ANNUAL ENERGY AUDIT REPORT

OF TP NORTHERN ODISHA DISTRIBUTION LIMITED(TPNODL)

[DC Registration No.-DIS0038OD]

Submitted to:

TP NORTHERN ODISHA DISTRIBUTION LIMITED

Corporate Office: Januganj, Dist: Balasore-756019, Odisha

Phone: 06782-244865, Fax: 06782-244259

Email: ceooffice@tpnodl.com, swagat.mukherjee@tpnodl.com

Website: www.tpnodl.com

Conducted by

M/s Zenith Energy Services Private Limited,

3rd Floor, C1, Space & more Business Park 1-89/A/8/C2 Vital Rao Nagar, Hyderabad - 500 081, Telangana State, India

July – 2024

TPNODL

To,

The Secretary,

Bureau of Energy Efficiency,

4th Floor, Sewa Bhawan,

R.K.Puram, New Delhi-110066

Ref: TPNODL/EA/BEE/2024-25/04

Dated: 31.07.2024

Subject: Submission of Annual Energy Audit Report and Energy Accounting Pro-forma of TP Northern Odisha Distribution Ltd. for the FY 2023-24.

Sir,

This is with reference to the Annual Energy Audit Report and Energy Accounting Report compliance, the TP Northern Odisha Distribution Limited report for the FY2023-24 (Apr'23-Mar'24) is submitted in the specified pro-forma..

The duly signed copy is attached for your reference please. The hard copy of the report is being sent separately.

Kindly acknowledge the same.

Thanks and Warm Regards

31/07/24

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R. GOPALA KRISHNA
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Zenith Energy Services (P) Ltd. HYD

TP NORTHERN ODISHA DISTRIBUTION LIMITED
(A Tata Power and Odisha Government Joint Venture)

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ABBREVIATIONS

AMI	:	Advanced Metering Infrastructure
AMR	:	Automated Meter Reading
AT & C	:	Aggregate Technical and Commercial
BEE	:	Bureau of Energy Efficiency
CKT	:	Circuit Kilometer
CT	:	Current Transformer
DC	:	Designated Consumer
DISCOM	:	Electricity Distribution Company
DT	:	Distribution Transformer
EA	:	Energy Auditor
EHT	:	Extra High Tension
EHV	:	Extra High Voltage
EM	:	Energy Manager
FY	:	Financial Year
HT	:	High Tension
HVDS	:	High Voltage Distribution System
KVA	:	Kilo Volt Ampere
LT	:	Low Tension
MoP	:	Ministry of Power
MU	:	Million Unit
MW	:	Mega Watt
NO	:	Nodal Officer
OA	:	Open Access
POC	:	Point of Connection
PT	:	Potential Transformer
PVC	:	Polyvinyl Chloride
PX	:	Power Exchange
RE	:	Renewable Energy
RLDC	:	Regional Load Dispatch Centre
SDA	:	State Designated Agency
SLD	:	Single Line Diagram
SLDC	:	State Load Dispatch Centre
T&D	:	Transmission and Distribution
TPNODL	:	Tata Power Northern Odisha Distribution Limited
XLPE	:	Cross-linked Polyethylene

ACKNOWLEDGEMENT

Zenith Energy Services (Private) limited places on record its sincere thanks to management of TP Northern Odisha Distribution Limited (TPNODL) for entrusting the task of conducting Energy Audit of TPNODL.

ZESPL acknowledges with gratitude the wholehearted support and co-operation extended by Mr. Dwijadas Basak, CEO, TPNODL, Mr. Joydeep Roy (Chief-Commercial Services & CSR), Mr. Sachin Kumar Garg (Head CMG, Energy Audit & PA), Mr. Swagat Mukherjee (HoG Energy Audit & Business Excellence), Mr. Rahul Shukla (TL Energy Audit), Mr. Amit Kumar (HoG OT) and Mr. Raja Banik (TL Finance) while carrying out the study at TPNODL.

ZESPL sincerely thanks to all the officials and staff members of TPNODL who have rendered their all-possible cooperation and assistance to the audit team during the entire period of the audit.

AUDIT TEAM DETAILS

The following team members of M/s. Zenith Energy Services Private Limited were involved in the Annual Energy Audit of TPNODL for FY 2023-24.

Sl. No.	Organization	Team Members	Designation	Role
1	Zenith Energy Services (Private Limited)	Mr. R. Gopala Krishna	Sr. Consultant Accredited Energy Auditor Regd. No. AEA-0123	Project Head, Review of Data and Report
2		Mr. D S R Krishna	Head (Energy Efficiency)	Inspection, Review of Data & Report
3		Mr. R. Veera Swamy	DISCOM Sector Expert	Verification of Data and Report
4		Mr. P. Mahesh Kumar	Energy Auditor - 11059	Field Visit, Compilation of Data and Report

CERTIFICATE

We certify the following:

- The data collection has been carried out diligently and truthfully.
- All data measuring devices used by the auditor are in good working condition, have been calibrated and have valid certificates from the authorized approved agencies and tampering of such devices has not occurred.
- All reasonable professional skill, care and diligence had been taken in preparing the energy audit report and the contents thereof are a true representation of the facts.
- Adequate training provided to personnel involved in daily operations for implementation of recommendations.
- The energy audit has been carried out in accordance with the BEE (Manner and Intervals for Conduct of Energy Audit in electricity distribution companies) Regulations, 2021.

1.0 EXECUTIVE SUMMARY

TP Northern Odisha Distribution Limited (TPNODL) is a joint venture of Tata Power (51%) and Govt. of Odisha (49%) on the Public-Private Partnership (PPP) model. TPNODL licensed area is spread over geography of 27920 Sq.Km and serves a registered consumer base of 2.05 million. TPNODL has been carrying out the business of Distribution and Retail Supply Licensee. TPNODL has been carrying out the business of distribution and retail supply of electricity in the 5 districts of Odisha namely; Balasore, Bhadrak, Jajpur, Keonjhar and Mayurbhanj. The Company is operating through 5 Circles, 16 Divisions, 50 Subdivisions, 159 Sections with a Corporate Office based at Balasore. The business of TPNODL utility is governed by the provisions of license issued by Hon'ble Odisha Electricity Regulatory Commission (OERC) for business of distribution and retail supply of electricity in Northern Odisha.

TPNODL receives electrical power at 33kV level from 29 numbers of Grid Sub stations (GSS) and 7 nos. of Switching Stations located within the vicinity of TPNODL operational area. TPNODL distributes the power at 33kV / 11kV / 415V / 230V depending on the demand of the consumers.

Fact sheet of TPNODL:

The Fact sheet of TPNODL is furnished below.

Supply Area	27920 Sq.Km
Maximum Demand	1123.829 MVA
Power Transformer Installed Capacity	2704.30 MVA
No. of Distribution Transformer (DTs)	77688
Distribution Transformer (DT) Installed Capacity	2932 MVA
HT Mains-33 kV	3225.64 Ckt. KMs
HT Mains-11 kV	41108.37 Ckt. KMs
LT Mains	68139.45 Ckt. KMs
Length of Aerial Bunched Cables	47194 KMs
Length of Under Ground Cables	401 KMs
Nos. of 33 kV Feeders	115
Nos. of 11 kV Feeders	853
Nos. of 33/11 kV Sub Station	245
Nos. of Power Transformers	564

2.0 BACKGROUND

Energy Conservation has become a top most priority in today's scenario in order to have asustainable growth, productivity, enhancement & environmental protection. Considering the vast potential of energy savings and benefits of energy efficiency as per the report prepared by National Development Council (NDC) Committee on power, Govt. of India enacted the Energy Conservation Act 2001. The aim of EC Act 2001 is to provide the much-needed legal framework and other institutional arrangements so that various energy efficiency improvement drives can beeasily launched at the state and national level. In order to implement the various provisionsunder the EC Act 2001, the Government of India established the Bureau of Energy Efficiency (BEE) on 1st March 2002 for development of policies and strategies with a thrust on self-regulation and market principles, with the primary objective of reducing energy intensity of the Indian Economy and to enact and enforce energy efficiency through various regulatory and promotional measures.

2.0.1 Extant Regulations and Role of BEE

BEE coordinates with designated consumers, designated agencies and other organizations and recognizes, identifies and utilizes the existing resources and infrastructure, in performing the functions assigned to it under the Energy Conservation Act. The Energy Conservation Act provides for regulatory and promotional functions.

The Major Promotional Functions of BEE include:

- Create awareness and disseminate information on energy efficiency and conservation
- Arrange and organize training of personnel and specialists in the techniques for efficientuse of energy and its conservation
- Strengthen consultancy services in the field of energy conservation
- Promote research and development
- Develop testing and certification procedures and promote testing facilities
- Formulate and facilitate implementation of pilot projects and demonstration projects
- Promote use of energy efficient processes, equipment, devices and system
- Take steps to encourage preferential treatment for use of energy efficient equipment orappliances
- Promote innovative financing of energy efficiency projects
- Give financial assistance to institutions for promoting efficient use of energy and itsconservation
- Prepare educational curriculum on efficient use of energy and its conservation
- Implement international co-operation programs relating to efficient use of energy andits conservation

Perform Achieve and Trade (PAT) Scheme

National Mission of Enhanced Energy Efficiency (NMEEE) is one of the eight national missions of the NAPCC released by the Prime Minister on 30th June 2008. BEE has been entrusted with the task of preparing the implementation plan for NMEEE. PAT scheme is formulated under National Mission for Enhanced Energy Efficiency (NMEEE) which is one of eight plans in the National Action Plan on Climate Change (NAPCC).

PAT is a regulatory instrument framed by BEE and Ministry of Power to reduce specific energy consumption in energy intensive industries and reduce T & D loss in DISCOMs with an associated market based mechanism to enhance the cost effectiveness through certification of excess energy saving which can be traded in power exchange.

2.0.2 Purpose of Audit and Accounting Report

DISCOMs are currently focusing on Energy Conservation and Energy Efficiency to a larger extent for reducing the T & D Loss and improving the performance. Efficient energy management, usage of energy efficient technologies and adopting best-practices for reduction T & D Loss would help utility to improve their billings, collection, energy sale and profitability. As per the PAT scheme of BEE, TPNODL being a DISCOM having annual AT & C losses more than 1000 Million kWh i.e. 86000 Metric Tonnes of Oil Equivalent (MTOE) is a Designated Consumer as per EC Act 2001.

The main focus of the audit is to establish T & D Loss for the year 2023-24, collection of technical information like annual energy consumption, nos. of connections, nos. of disconnections, connected load and percentage of total connected load, energy billed, net input energy, power factor, total supply hours, scheduled outage, scheduled supply hours, unscheduled outage, available supply hours and evaluation of T & D loss, AT & C loss and billing efficiency of utility, finding out deviations from the baseline T & D loss, evaluations of energy management systems, exploring future energy conservation measures, energy saving potentials and providing recommendation for the same.

In line with Section 14(g) of the Energy Conservation (EC) Act, the Central Government has notified targets (in the form of Specific Energy Consumption) for Designated Consumers (DCs) on 26th October 2021 under the PAT cycle-VII. The baseline Distribution loss of TPNODL has been fixed as 18.74% for baseline year 2018-19 to with baseline net input energy 5575.61MU. TPNODL has been directed to reduce its T&D Loss to 18.00 % in Target Year 2024-25 which is already met in FY2023-24.

BEE (Manner and Intervals for Conduct of Energy Audit in electricity distribution companies), Regulations 2021 has been notified on 6th October 2021 and as per Regulation 3 of the said Regulations, it is required that the TPNODL to conduct the annual energy audit by an Accredited Energy Auditor and submit the report to BEE and SDA.

The management of TPNODL evinced keen interest in availing the services of ZESPL for conducting Annual Energy Audit of TPNODL. The proposal for conducting energy audit of the DISCOM was accepted by the management of TPNODL vides their PO No. 4800003026 dated 25.04.2024.Accordingly, ZESPL has been entrusted with the work of conducting the annual energy audit and submission of reports for the same. The field study, measurement and audit activities by ZESPL was conducted at site from 25th June 2024 to 26th June 2024 and the report has been prepared based on the field study data, available technical data as well as information / inputs received from TPNODL.

2.0.3 Period of Energy Auditing and Accounting

Reg. 3(1) Every electricity distribution company shall conduct an annual energy audit for every financial year and submit the annual energy audit report to the Bureau and respective State Designated Agency and also made available on the website of the electricity distribution company within a period of four months from the expiry of the relevant financial year.

Reg. 4(1) Every electricity distribution company shall —

(a) ensure that all feeder wise, circle wise and division wise periodic energy accounting shall be conducted by the energy manager of the electricity distribution company for each quarter of the financial year; and
(b) submit the periodic energy accounting report to the Bureau and respective State Designated Agency and also made available on the website of electricity distribution company within forty-five days from the date of the periodic energy accounting.

3.0 DISCOM INTRODUCTION AND OVERVIEW

TP Northern Odisha Distribution Limited (TPNODL) is a joint venture of Tata Power (51%) and Govt of Odisha (49%) on the Public-Private Partnership (PPP) model. Govt. of Odisha (GoO)'s share is held by it through its 100% owned company GRIDCO. TPNODL was vested in the Utilityof NESCO for distributing and retail supply of electricity in the northern part of Odisha, through a Vesting Order issued by the Hon'ble Odisha Electricity Regulatory Commission (OERC). The business of TPNODL utility is governed by the provisions of license issued by Hon'ble Odisha Electricity Regulatory Commission (OERC) for distribution and retail supply of electricity in Northern Odisha.

TPNODL procures power from GRIDCO which is a state-owned company, engaged in the business of purchase of electricity in bulk from various generators located inside Odisha and the state share of power from Central generators. GRIDCO supplies power to all power distribution utilities, including TPNODL under the existing Bulk Supply Agreement between TPNODL and the GRIDCO. The power procurement price is the Bulk Supply Price at which GRIDCO supplies power to Distribution utilities which is determined by Hon'ble OERC and apportioned based on the ability of each DISCOM to pay the energy charges to GRIDCO.

TPNODL license area is spread over geography of 27920 Sq.Km having coastal line of about 150 Km serving the registered consumer base of 2.05 million. TPNODL procures power from GRIDCO which is a state owned company. It receives electrical power at a sub transmission voltage of 33KV from Odisha Power Transmission Company Limited's (OPTCL) 220/132/33 kV Grid Substations and then distributes the power at 33KV / 11KV / 440V / 230V depending on the demand of the consumers. For effective operations, license area is divided in 5 circles which is further sub divided in 16 Divisions, 50 Sub-division & 159 sections which manages the commercial and O&M activities in order to serve its consumer.

3.0.1 NAME & ADDRESS OF DISCOM

The details of administrative set up of TPNODL are furnished below:

Name and Address of Designated Consumer:
TP Northern Odisha Distribution Limited (TPNODL)
Corporate Office: Januganj, Dist: Balasore-756019, Odisha
Phone: 06782-244865, Fax: 06782-244259
Email: ceooffice@tpnodl.com
Website: www.tpnodl.com

3.0.2 NAME AND CONTACT DETAILS OF ENERGY MANAGER AND AUTHORIZED SIGNATORY OF DISCOM:

CEO TPNODL:
Mr. Dwijadas Basak, Chief Executive Officer
Phone: 9818100677
E-mail: ceooffice@tpnodl.com

Nodal Officer:
Mr. Joydip Roy, Chief-Commercial Services & CSR
Phone: 9223548427
Email: joydip.roy@tpnodl.com

Designated Energy Manager:
Mr. Swagat Mukherjee, HoG Energy
Audit,
Phone: 9831196234
E-mail: Swagat.Mukherjee@tpnodl.com

Certified Energy Auditor:
Mr. Vikas Arora, Energy Auditor,
Phone: 99971393824
E-mail: vikas.arora@tpnodl.com

IT Manager:
Mr. Amit Kumar, HoG OT
Phone: 9560044457
Email: amit.kumar@tpnodl.com

Financial Manager:
Mr. Raja Banik, Team Lead Finance
Phone: 9609933777
Email: raja.banik@tpnodl.com

3.0.3. SUMMARY PROFILE OF DISCOM

DETAILS	As on 31st March 2023	As on 31st March 2024
No. of Circles	5	5
No. of Divisions	16	16
No. of Subdivisions	50	50
No. of Sections	159	159

S.No.	Circle	Division	Sub-Division
1	Balasore	BED, Balasore	Supply No-I
			Supply No-II
		BTED, Basta	Basta
			Jamsuli
		JED, Jaleswar	Jaleswar
			Bhograi
		CED, Balasore	RE-I
			RE-II
			Nilagiri
		SED, Soro	Soro
			Bahanaga
			Markona
			Khaira
2	Bhadrak	BNED, Bhadrak	No.I Bhadrak
			No.II Bhadrak
			Basudevpur
			Dhamra
			Tihidi
		BSED, Bhadrak	Bhadrak Rural
			Dhamnagar
			Asurali
3	Baripada	BPED, Baripada	Baripada
			Rural
			Betnoti
			Kuliana
			Moroda
		UED, Udala	Khunta
			Udala
		RED, Rairangpur	Rairangpur-I
			Rairangpur-II
			Karanjia
			Joshipur
4	Jajpur Road	JRED, Jajpur Road	Panikoili
			Jajpur Road
			Duburi
		JTED, Jajpur Town	No. I Jajpur Town
			Dasrathpur
			Binjharpur
		KUED, Kuakhia	Bari
			Dharamsala
			Kuakhia
5	Keonjhar	KED, Keonjhar	No.I Keonjhar
			No.II Keonjhar
			Turumunga
		JOED, Joda	Joda
			Champua
			Barbil
		AED, Anandapur	Anandapur
			Ghatagaon
			Bidyadharpur

TPNODL receives electrical power at 33kV level from 29 numbers of Grid Sub stations (GSS) and 9 no. of Switching stations located within the vicinity of TPNODL operational area.

TPNODL distributes the power at 33kV / 11kV / 415V / 230V depending on the demand of the consumers. At present, there are 115 numbers of 33KV feeders with a combined route length of approximately 3226 KMs supplying power to 245 numbers of 33/11KV Primary Substation (Structures). The 33KV supply is stepped down to 11KV level through 550 numbers of 33/11KV power transformers at these primary substations with an installed capacity of 2704.3 MVA. Nearly 853 numbers of 11KV feeders radiates from the 33/11KV primary substations having length of approximately 41,108 KMs and supply power to HT consumers connected at 11KV level and LT customers connected to 11/0.415KV distribution substation. Approximately 77,688 numbers of distribution transformers are installed in all five circles with an installed capacity of 2932 MVA. The length of the LT feeders is 68,139 KMs approximately.

The Detail of Network Systems of TPNODL is furnished below:

Network System	As on 31st March 2023	As on 31st March 2024
Length of 33 KV Line (km.)	3024	3225.64
Length of 11 KV Line (km.)	40188.5	41108.37
Length of LT KV Line (km.)	67486.44	68139.45
Length of LT AB Cable (km.)	44786.4	47194

Metering Status of TPNODL:

CATEGORY WISE % OF METERING COMPLETED						
Category	FY 2022-23			FY 2023-24		
	Total	No. of Metering Completed	% of Metering Completed	Total	No. of Metering Completed	% of Metering Completed
33 kV Feeders	108	108	100%	115	115	100%
11 kV Feeders	825	598	72.5%	853	853	100%
Distribution Transformers	74726	2883	3.85%	77688	8202	10.56%
Consumers	2041588	1999017	97.91%	1954513	1950535	99.80%

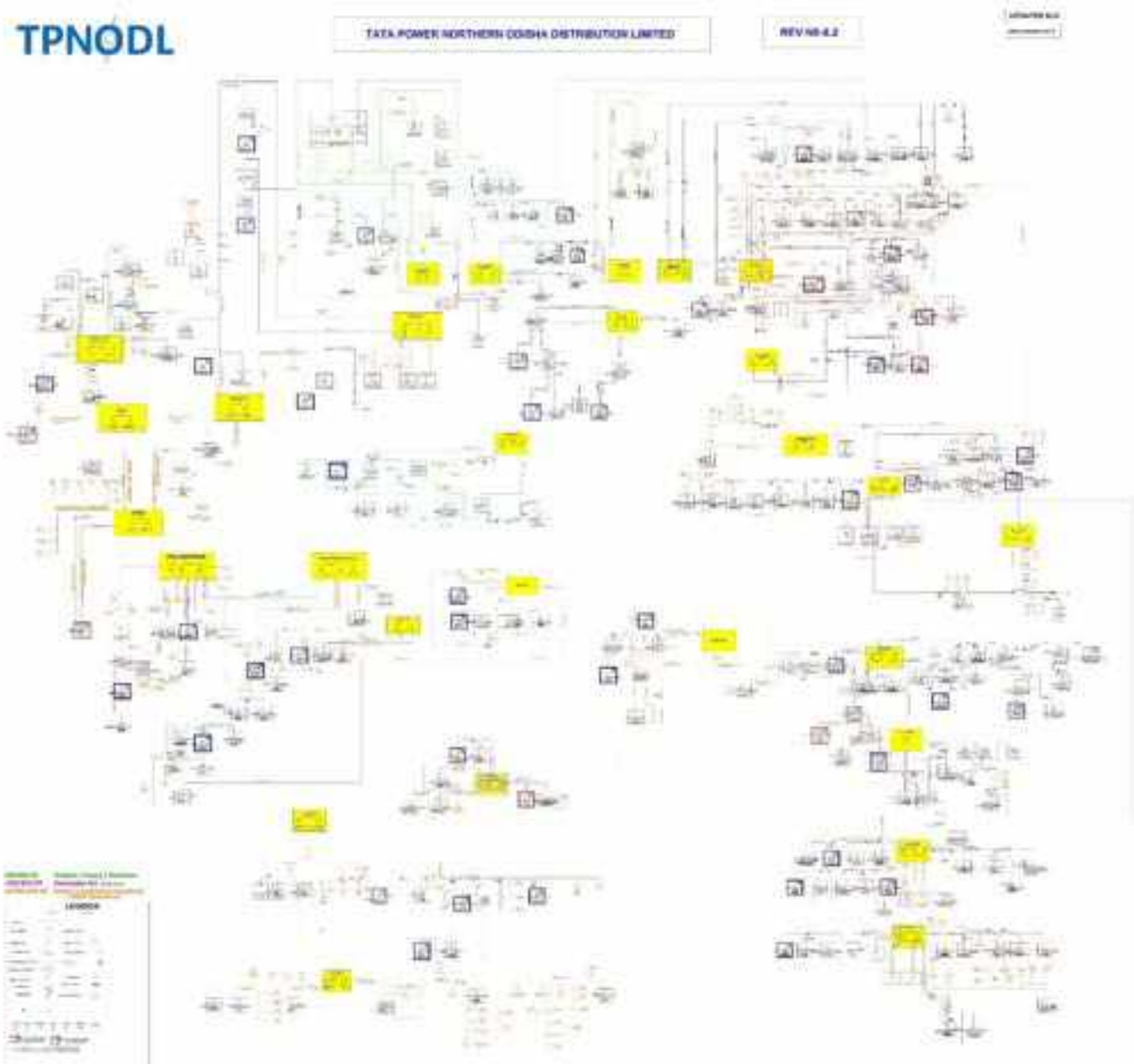
Comments on the above table:

As per the performance review report of TPNODL submitted to Hon'ble OERC, the percentage of DT Metering in the FY 2022-23 is around 3.85 % and in the FY 2023-24 it is around 11.66%. Please clarify the difference.

TPNODL Response: The difference in no's of DTs where smart metering is completed 8202 in the above table and 9063 in the performance review report is due to the addition of 861 no's of private DT consumers where metering is considered on the consumer end point.

SLD of TPNODL as a whole:

PDF Copy of SLD is attached with the mail.



Consumer Base of TPNODL:

The details of total numbers of Consumers in TPNODL area is furnished below:

Consumer Category	No of connections (Metered)	No of connection Un-metered (Nos)	Total Number of connections (Nos)
Residential	1769310	2042	1771352
Agricultural	25399	1085	26484
Commercial/Industrial-LT	124455	35	124490
Commercial/Industrial-HT	562	0	562
Others	30809	816	31625
Total	**1950535**	**3978**	**1954513**

The Detail of Assets under TPNODL is furnished below:

ASSETS	As on 31st March 2023	As on 31st March 2024
No. of 33 KV feeders (Including GRIDCO interface)	108	115
No. of 11 KV feeders	825	853
No. of 33 / 11 kV POWER Transformers	550	564
No. of Distribution Transformers (11/0.4 & 33/ 0.4 kV)	74726	77688

3.0.4. ENERGY CONSERVATION MEASURES ALREADY TAKEN AND PROPOSED FOR FUTURE

Since the present network is overloaded and due to increase in the consumer base of EHT and HT network, TPNODL has proposed to undertake the following projects and the estimate cost is shown against each project.

Major Category	Activity	Amount (in Cr.)
Network Optimisation & Load Growth	Augmentation Power Transformers	2.60
	Augmentation of Distribution Transformers	24.57
	Addition of 11 kV Lines (O/H and U/G)	24.12
	Addition of 33 kV Overhead Lines(O/H and U/G)	9.80
	Addition of New PTR at PSS	5.08
	Addition New DTRs along with Associated HT/LT lines	17.37
	New 33/11kV PSS with Associated Lines	18.60
	Total	**102.14**

Major Category	Activity	Amount (in Cr.)
Statutory & Safety	Fencing of Distribution substations	11.55
	Boundary wall work at Primary Substations	10.73
	Life enhancement of network and maintaining safe horizontal / vertical clearances	8.43
	Yard Fencing with in PSS	0.98
	Fire Extinguisher & Water Hydrant System for Jajpur Store	2.09
	Fire wall for PTR "6Mtr*8Mtr"	1.14
	Defective cable replacement	10
	Shifting of O/H lines on safety ground on public request	4.34
	Intrusion system for theft prevention is store	0.15
	Total	**49.41**

Major Category	Activity	Amount (in Cr.)
Loss Reduction	Testing equipment for Meter, Meter Reading, HT/LT Accucheck & other material	5.91
	Conversion of LT Bare conductor to AB Cable	43.35
	Meters and metering equipment for energy audit	2.83
	Equipment for AMR enablement of 3 phase consumer meters	0.56
	Field Testing equipment (PTR testing, PQ analizer, Switch gear testing kit)	3.96
	Total	**56.61**

Major Category	Activity	Amount (in Cr.)
Technology & Civil Infrastructure	Security cameras, heavy-duty Racking system / Storage solutions for Jajpur store	1.50
	Civil Infrastructure (Office Buildings, PSS, Stores, Approach Roads, Record room, Cafeteria Canteen, MRT office, STS office, STS Lab and others)	29.68
	Office Administration	5.75
	Automation of Non-ODSSP & SCADA Interigation	12.00
	Bluetooth printer, cash drop box, RRG App	0.88
	Data Recovery (DR) for Hardware Equiment	16.82
	Data Center (DC) for Hardware Equiment	3.50
	End computing devices	0.75
	Cyber Security	7.70
	Communication	4.01
	SCADA-ADMS, Computing devices	10.10
	GIS Software Implementation and Land Base & Network Survey & Digitization for 9 Division	27.86
	Software and Application	0.75
	Drones and its licence	0.30
	Total	**121.60**

Major Category	Activity	Amount (in Cr.)
Reliability	Replacement/Addition of network component in 33/11kV Primary Substation	10.18
	11 KV Conductor up gradation	15.07
	Refurbishment of 11KV/0.415 KV Distribution Substation (DSS)	3.11
	Installation of LV protection at DSS	33.38
	Installation of Auto reclosure /Sectionalizers, RMUs	7.52
	Installation of FPIs for O/H Lines	1.86
	Installation of AB Switch, HG Fuse & LA for DTRs	25.47
	11 KV Voltage Regulators for voltage improvement	5.01
	Installation of Station Transformers (PPS)	0.72
	Procurement of spares and servicing for ODSSP & IPDS	1.45
	Earthing of Transformers	14.29
	Total	**118.06**

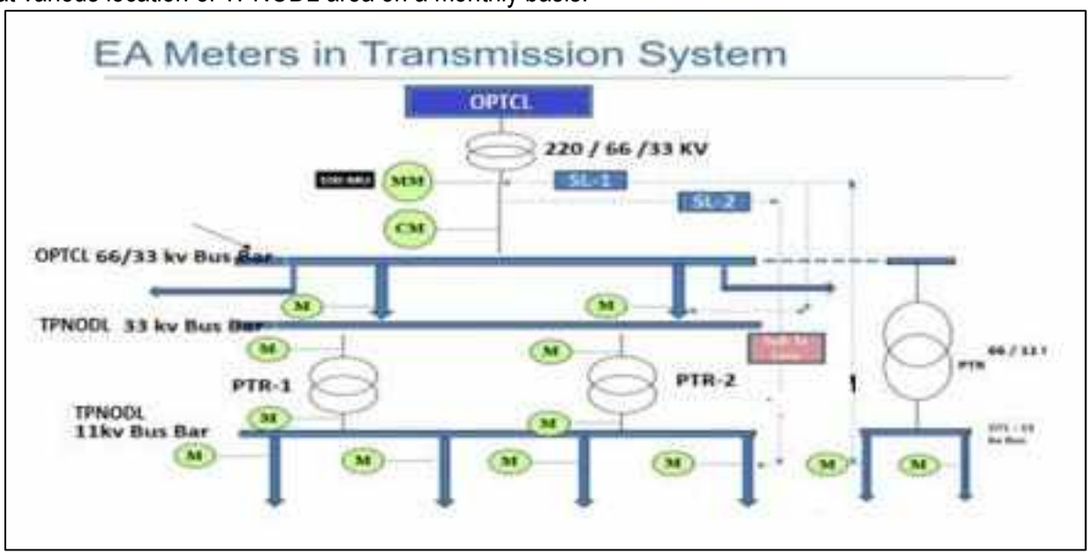
Major Category	Activity	Amount (in Cr.)
Reducing Carbon Footprint	Budget for Electric Scooter/Car	3.99
	Rooftop Solar System on office building (Solar Roof top system (Corp office , circle offices , Balasore Store)	0.99
	Total	**4.98**

4.0 ENERGY FLOW ANALYSIS

4.0.1 ENERGY FLOW ACROSS VARIOUS SERVICE LEVELS

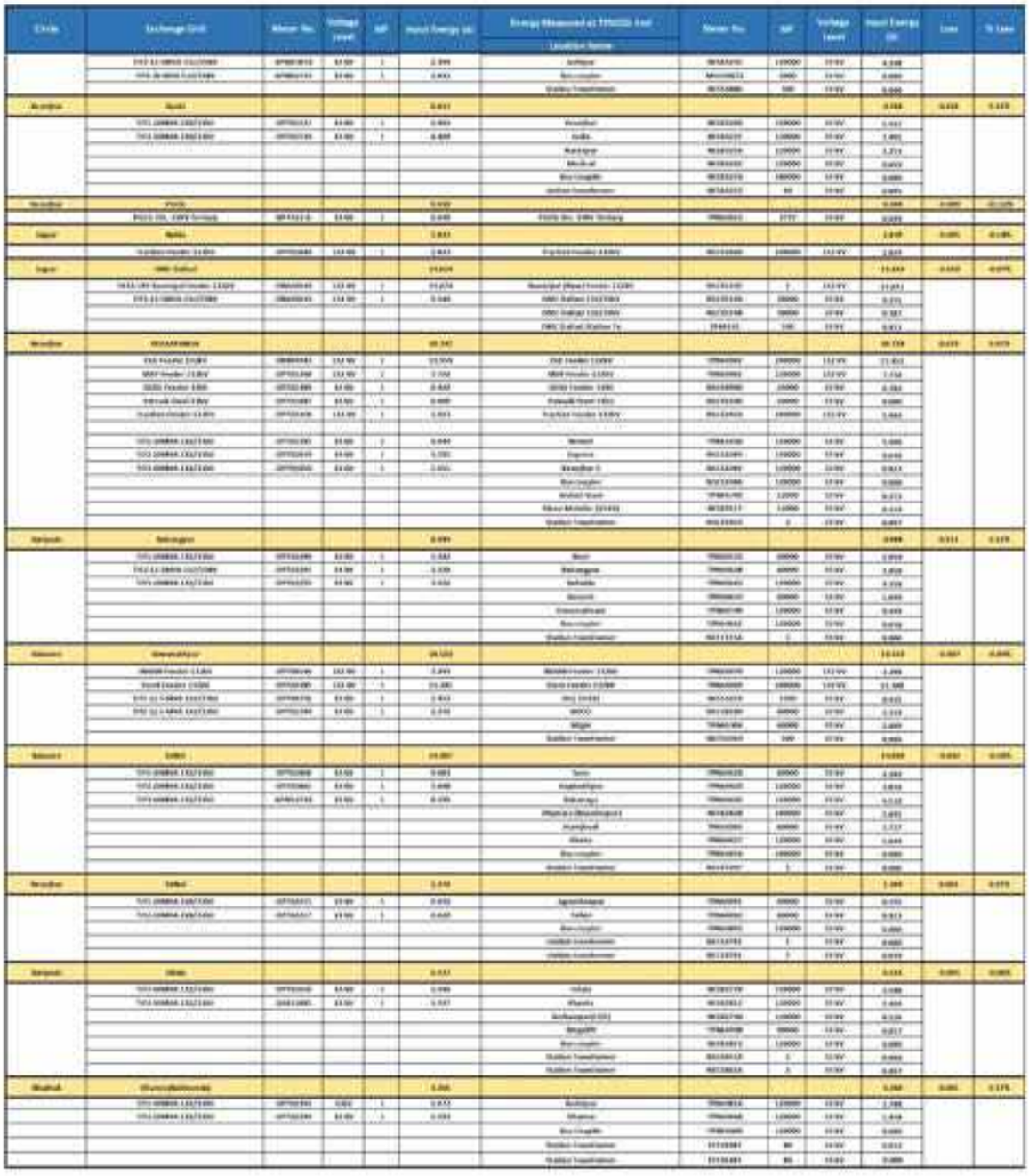
SL-1 Audit:

The purpose of SL-1 Report is to verify the net energy drawn by TPNODL from the network of OPTCL and thereafter do the related accounting. The scope of the report is to verify the net energy drawl from GRIDCO with the check meters installed at various location of TPNODL area on a monthly basis.



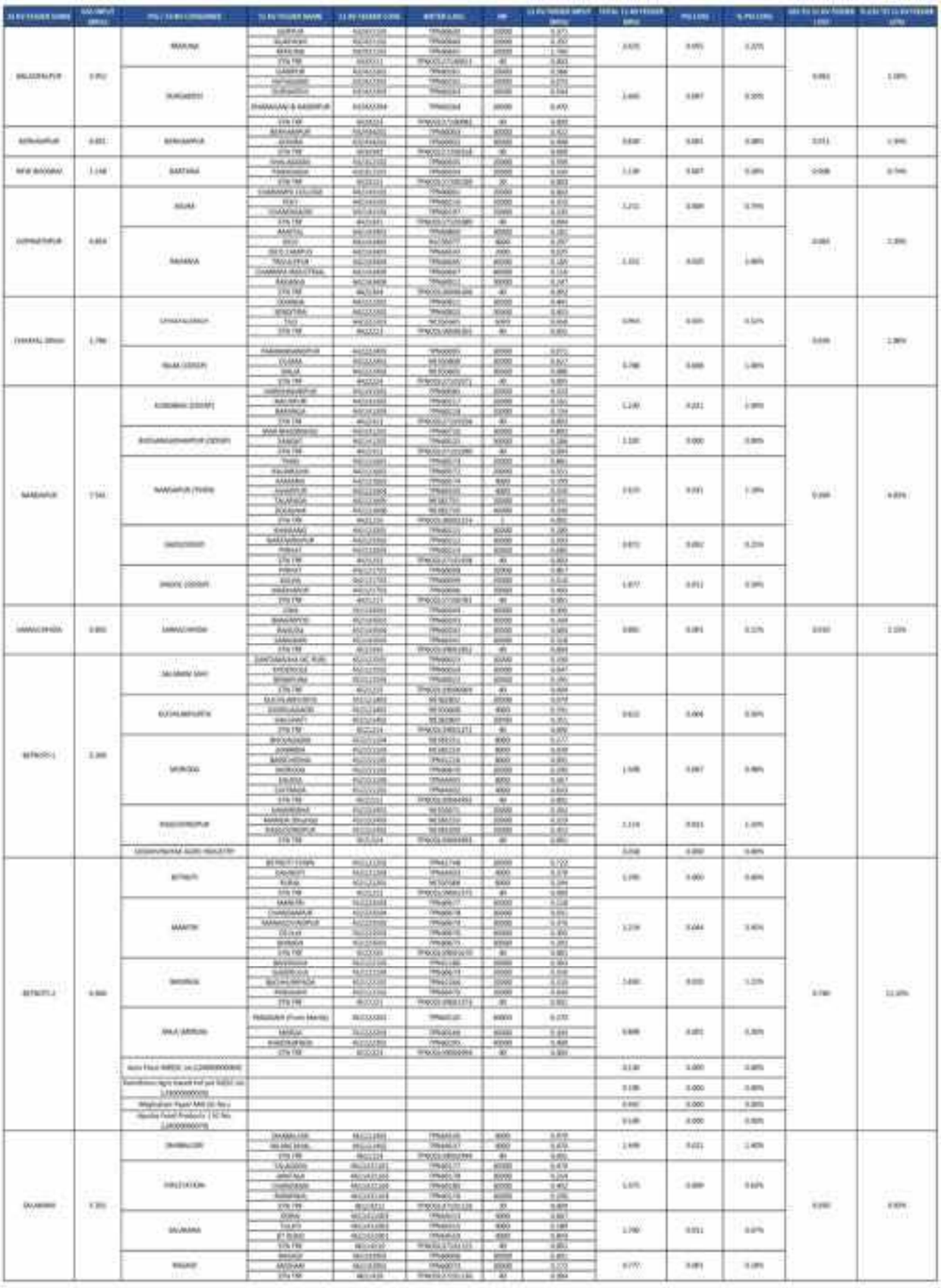
Circle	Exchange ID/ID	Meter No.	Voltage Level	MF	Input Energy (a)	Energy Measured at TPNODL End Location Name	Meter No.	MF	Voltage Level	Input Energy (b)	Loss	% Loss
Bhadrak	[illegible]				0.000					0.000	0.000	0.00%
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	4.0	33 kV	0.000		
						[illegible]	[illegible]	1	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
Bhadrak	[illegible]				0.000					0.000	0.000	0.00%
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
Bhadrak	[illegible]				0.000					0.000	0.000	0.00%
	[illegible]	[illegible]	11 kV	1	0.000	[illegible]	[illegible]	120000	11 kV	0.000		
	[illegible]	[illegible]	11 kV	1	0.000	[illegible]	[illegible]	120000	11 kV	0.000		
	[illegible]	[illegible]	11 kV	1	0.000	[illegible]	[illegible]	120000	11 kV	0.000		
Balasore	[illegible]				0.000					0.000	0.000	0.00%
	[illegible]	[illegible]	132 kV	1	0.000	[illegible]	[illegible]	120000	132 kV	0.000		
	[illegible]	[illegible]	132 kV	1	0.000	[illegible]	[illegible]	120000	132 kV	0.000		
	[illegible]	[illegible]	132 kV	1	0.000	[illegible]	[illegible]	120000	132 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	40000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	40000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	40000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	1	33 kV	0.000		
Baripada	[illegible]				0.000					0.000	0.000	0.00%
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	1	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
Bhadrak	[illegible]				0.000					0.000	0.000	0.00%
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	1	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	40000	33 kV	0.000		
						[illegible]	[illegible]	1	33 kV	0.000		
Baripada	[illegible]				0.000					0.000	0.000	0.00%
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	1	33 kV	0.000		
Baripada	[illegible]				0.000					0.000	0.000	0.00%
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	1	33 kV	0.000		
Baripada	[illegible]				0.000					0.000	0.000	0.00%
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
	[illegible]	[illegible]	33 kV	1	0.000	[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	120000	33 kV	0.000		
						[illegible]	[illegible]	1

Circle	Exchange Unit	Meter No.	Voltage Level	MF	Input Energy (MU)	Energy Received at TPNODL End Location Name	Meter No.	MF	Voltage Level	Input Energy (MU)	Loss	% Loss
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

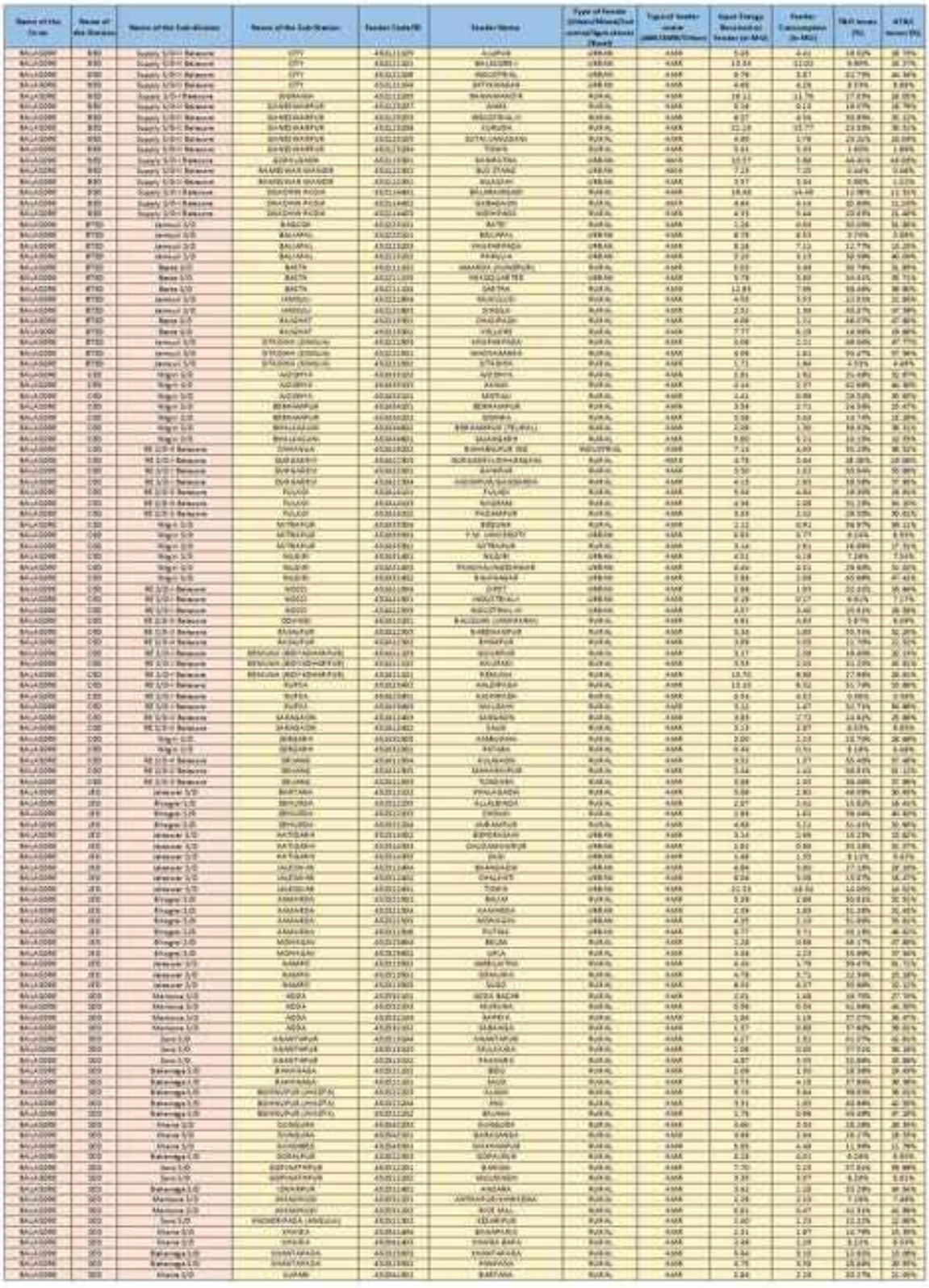


SL-2 Audit:

The purpose of energy audit for sub transmission level i.e. SL-2 level is to calculate the technical losses occurring during the sub transmission in the power distribution network. It is verified by accounting the net energy drawn by TPNODL from the network of OPTCL and thereafter for the meters installed at 33 kV Incomer and at the 11 kV feeders of the TPNODL PSS.

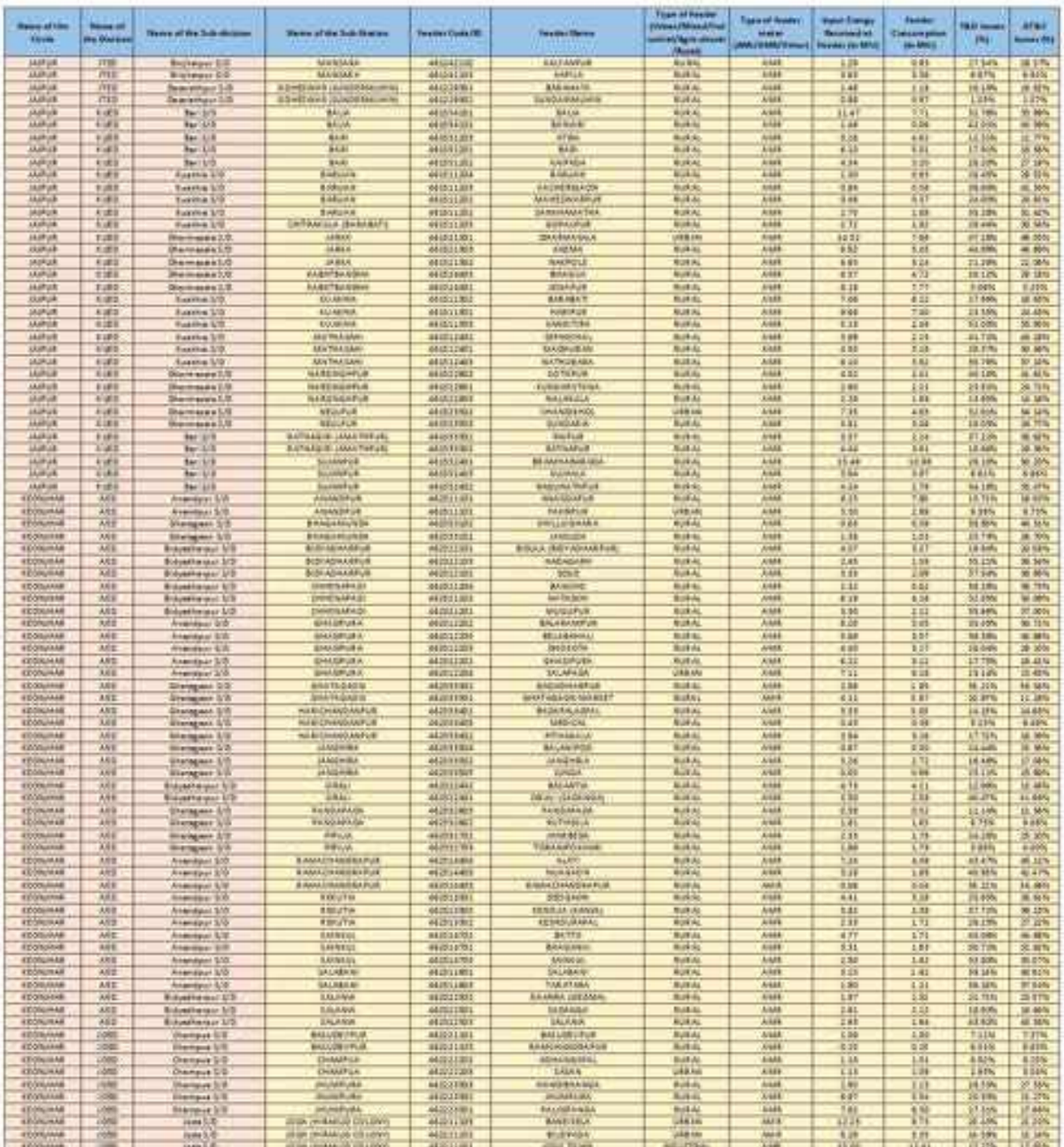


11 kV Feeder T&D loss sheet for FY 2023-24:



BALASORE	BDI	Khaira S/D	KUHARI	33/11kV S/S	KUHARI	RURAL	AAA	4.00	2.77	31.77%	31.44%
BALASORE	BDI	Khaira S/D	NIMAIDIHA	33/11kV S/S	HIRA	RURAL	AAA	4.00	3.10	19.28%	27.91%
BALASORE	BDI	Khaira S/D	MAHIDIHA	33/11kV S/S	KHAKTAPUR	RURAL	AAA	3.16	2.59	18.35%	28.82%
BALASORE	BDI	Khaira S/D	MAHIDIHA	33/11kV S/S	BHAI	RURAL	AAA	2.63	2.10	12.06%	14.36%
BALASORE	BDI	Khaira S/D	MAHIDIHA	33/11kV S/S	MAYAHALL	RURAL	AAA	3.84	3.24	10.84%	11.45%
BALASORE	BDI	Khaira S/D	CHAITANA	33/11kV S/S	DAMODU	RURAL	AAA	1.66	1.38	10.09%	11.13%
BALASORE	BDI	Khaira S/D	CHUPRAH	33/11kV S/S	DIGRAHA	RURAL	AAA	1.44	1.31	16.17%	17.18%
BALASORE	BDI	Jaxa S/D	PITHALIA	33/11kV S/S	SUKHA	RURAL	AAA	2.54	2.26	13.03%	14.39%
BALASORE	BDI	Jaxa S/D	PITHALIA	33/11kV S/S	MAHAKANA (JAXA)	RURAL	AAA	3.24	2.29	11.98%	12.49%
BALASORE	BDI	Jaxa S/D	PITHALIA	33/11kV S/S	TUDIGUDA 1000	RURAL	AAA	3.83	3.42	8.28%	9.91%
BALASORE	BDI	Jaxa S/D	SORE COLLEGE	33/11kV S/S	MAHAPUR	URBAN	AAA	5.29	3.88	47.13%	48.99%
BALASORE	BDI	Jaxa S/D	SORE COLLEGE	33/11kV S/S	SORE TOWN	URBAN	AAA	14.19	10.51	17.87%	20.02%
BAMPADA	BPED	Betnoti S/D	BAISINGA	33/11kV S/S	BAISINGHA	RURAL	AAA	4.36	3.91	19.42%	20.25%
BAMPADA	BPED	Betnoti S/D	BAISINGA	33/11kV S/S	BAISINGHA	RURAL	AAA	8.39	7.71	17.59%	18.48%
BAMPADA	BPED	Betnoti S/D	BAISINGA	33/11kV S/S	PAHARPUR	RURAL	AAA	6.49	5.79	18.18%	19.36%
BAMPADA	BPED	Kuliana S/D	BANGARUDI	33/11kV S/S	GUTIA	RURAL	AAA	1.81	1.77	8.84%	10.36%
BAMPADA	BPED	RE Bampada S/D	BHALADUDI	33/11kV S/S	CHUHAT	RURAL	AAA	1.15	0.78	15.46%	16.75%
BAMPADA	BPED	RE Bampada S/D	BHALADUDI	33/11kV S/S	SINGADA	RURAL	AAA	0.87	0.56	17.43%	19.16%
BAMPADA	BPED	Kuliana S/D	CHHEDDA	33/11kV S/S	CHHEDDA	RURAL	AAA	4.79	0.84	52.23%	56.27%
BAMPADA	BPED	Kuliana S/D	CHHENDA	33/11kV S/S	SATGARHDI	RURAL	AAA	1.85	1.69	8.86%	8.86%
BAMPADA	BPED	RE Bampada S/D	DIMIRPADA	33/11kV S/S	CIRCUIT HOUSE	URBAN	AAA	9.36	8.68	9.35%	9.81%
BAMPADA	BPED	RE Bampada S/D	DIMIRPADA	33/11kV S/S	RELIGIOUS	URBAN	AAA	3.07	2.73	16.29%	17.89%
BAMPADA	BPED	RE Bampada S/D	DIMIRPADA	33/11kV S/S	MAHINDRA	URBAN	AAA	8.98	8.01	11.39%	12.32%
BAMPADA	BPED	RE Bampada S/D	DIMIRPADA	33/11kV S/S	B.ADA	URBAN	AAA	8.76	8.21	16.17%	16.88%
BAMPADA	BPED	Khaira S/D	BAJRA KANAKPUR	33/11kV S/S	BHAGU	RURAL	AAA	5.71	5.49	16.13%	16.19%
BAMPADA	BPED	Khaira S/D	BAJRA KANAKPUR	33/11kV S/S	SUBARNAPUR	RURAL	AAA	3.33	3.18	10.47%	12.20%
BAMPADA	BPED	Kuliana S/D	AMARPOSHI (KHARSUDIGOLE)	33/11kV S/S	BHAGAMA	RURAL	AAA	1.68	0.79	16.03%	16.79%
BAMPADA	BPED	Kuliana S/D	KALABADA (KULIANA)	33/11kV S/S	PATKURI	RURAL	AAA	2.81	1.34	14.94%	16.11%
BAMPADA	BPED	RE Bampada S/D	SUTIPAI	33/11kV S/S	BAMPADA	RURAL	AAA	2.39	1.99	10.78%	27.77%
BAMPADA	BPED	RE Bampada S/D	SUTIPAI	33/11kV S/S	SUTIPAI	RURAL	AAA	1.67	1.11	1.41%	1.41%
BAMPADA	BPED	Betnoti S/D	KUSUMAPATA	33/11kV S/S	KHAKHAT	RURAL	AAA	1.96	1.78	10.19%	11.10%
BAMPADA	BPED	Bampada S/D	LOUBASAI (OLD UPBG-2)	33/11kV S/S	LOBASAI	URBAN	AAA	13.42	13.03	11.43%	11.58%
BAMPADA	BPED	Bampada S/D	LOUBASAI (OLD UPBG-2)	33/11kV S/S	KHAMARDA	URBAN	AAA	6.16	5.77	10.73%	27.44%
BAMPADA	BPED	Betnoti S/D	MUNDA (KHALA)	33/11kV S/S	MUNDA KHALAM	RURAL	AAA	3.06	2.89	19.83%	20.28%
BAMPADA	BPED	Betnoti S/D	MUNDA (KHALA)	33/11kV S/S	MUNDA	RURAL	AAA	1.98	1.49	18.90%	27.90%
BAMPADA	BPED	Betnoti S/D	MUNDA (KHALA)	33/11kV S/S	PARADAHI	RURAL	AAA	2.13	1.92	20.58%	30.89%
BAMPADA	BPED	Khaira S/D	MAHADEVA (BARIPADA)	33/11kV S/S	BHOGANDHI	RURAL	AAA	2.07	2.07	14.09%	18.31%
BAMPADA	BPED	Khaira S/D	MAHADEVA (BARIPADA)	33/11kV S/S	MAHADEVA	RURAL	AAA	0.55	0.51	4.72%	5.71%
BAMPADA	BPED	RE Bampada S/D	BARIPADA PHASE	33/11kV S/S	BARIPADA PHASE	RURAL	AAA	9.58	9.07	13.67%	14.12%
BAMPADA	BPED	Kuliana S/D	BARIPADA (KULIANA-BUDHA)	33/11kV S/S	KULIANA	RURAL	AAA	9.52	9.51	42.19%	44.78%
BAMPADA	BPED	Betnoti S/D	CHUBUDIHI	33/11kV S/S	BENAPURA	RURAL	AAA	1.90	1.77	14.29%	16.17%
BAMPADA	BPED	Betnoti S/D	CHUBUDIHI	33/11kV S/S	SANTARAPUR (KC PUR)	RURAL	AAA	3.13	2.38	17.56%	20.28%
BAMPADA	BPED	RE Bampada S/D	DHANANJAYA	33/11kV S/S	BALIDHA	RURAL	AAA	1.91	1.68	7.69%	7.94%
BAMPADA	BPED	RE Bampada S/D	DHANANJAYA	33/11kV S/S	BHAGAMATA	RURAL	AAA	1.67	1.29	28.78%	30.80%
BAMPADA	BPED	RE Bampada S/D	DHANANJAYA	33/11kV S/S	DHANANJAYA	RURAL	AAA	6.09	5.70	8.84%	8.84%
BAMPADA	BPED	RE Bampada S/D	LOHANDIPUR	33/11kV S/S	BHAGU	RURAL	AAA	1.79	1.62	10.13%	10.91%
BAMPADA	BPED	RE Bampada S/D	LOHANDIPUR	33/11kV S/S	SINGADA	RURAL	AAA	1.91	1.49	10.59%	11.72%
BAMPADA	BPED	Kuliana S/D	SIBAI	33/11kV S/S	SIBAI	RURAL	AAA	1.48	0.91	10.58%	11.41%
BAMPADA	BPED	Bampada S/D	PITHUDA	33/11kV S/S	BHANGAPUR	URBAN	AAA	7.66	6.88	11.93%	12.27%
BAMPADA	BPED	Bampada S/D	STADIUM	33/11kV S/S	COLLECTOR	URBAN	AAA	1.27	1.24	11.81%	11.98%
BAMPADA	BPED	Bampada S/D	STADIUM	33/11kV S/S	LOHARDIH	URBAN	AAA	4.79	4.29	11.71%	14.70%
BAMPADA	BPED	Bampada S/D	TAKATPUR	33/11kV S/S	NUAGOPAL	URBAN	AAA	3.11	2.84	18.66%	19.74%
BAMPADA	BPED	Bampada S/D	TAKATPUR	33/11kV S/S	RAJBASI	URBAN	AAA	8.13	7.51	13.08%	13.37%
BAMPADA	BPED	Bampada S/D	TAKATPUR	33/11kV S/S	TAKATPUR	URBAN	AAA	1.59	1.25	12.28%	14.16%
BAMPADA	BPED	Jamsoli S/D	JAMSOLI	33/11kV S/S	JAMSOLI	RURAL	AAA	1.59	0.72	16.89%	18.71%
BAMPADA	BSD	Bangiposi S/D	ASURIPAL	33/11kV S/S	KHAGUDIH	URBAN	AAA	4.38	4.00	9.00%	9.59%
BAMPADA	BSD	Bangiposi S/D	BADASAHANA	33/11kV S/S	BUDHAPADA (L)	RURAL	AAA	2.41	2.08	10.13%	17.30%
BAMPADA	BSD	Bangiposi S/D	BADASAHANA	33/11kV S/S	HATIBORA	RURAL	AAA	8.10	8.06	11.28%	12.10%
BAMPADA	BSD	Bangiposi S/D	BADASAHANA	33/11kV S/S	SUSUNI	RURAL	AAA	3.13	2.27	14.79%	16.48%
BAMPADA	BSD	Bangiposi S/D	BAHALDA	33/11kV S/S	BAHINI	RURAL	AAA	3.07	2.71	11.91%	12.35%
BAMPADA	BSD	Bangiposi S/D	BUHTOLA	33/11kV S/S	BUHTOLA	RURAL	AAA	3.83	3.73	2.50%	2.62%
BAMPADA	BSD	Bangiposi S/D	BUHTOLA	33/11kV S/S	BUHTOLA	RURAL	AAA	2.18	1.40	15.99%	17.18%
BAMPADA	BSD	Bangiposi S/D	BUSI	33/11kV S/S	BSDI BAJAR (ARP METER)	URBAN	AAA	3.21	2.21	10.08%	10.18%
BAMPADA	BSD	Bangiposi S/D	BUSI	33/11kV S/S	LOHARIPA	RURAL	AAA	6.31	5.10	10.78%	11.96%
BAMPADA	BSD	Kaptipada S/D	THAKURMUNDA	33/11kV S/S	KENDUJHARI	RURAL	AAA	4.69	3.66	16.03%	16.73%
BAMPADA	BSD	Kaptipada S/D	THAKURMUNDA	33/11kV S/S	SIMILIDIHA	RURAL	AAA	5.83	2.76	16.99%	17.27%
BAMPADA	BSD	Kaptipada S/D	THAKURMUNDA	33/11kV S/S	THAKURMUNDA	RURAL	AAA	8.99	2.99	10.08%	11.06%
BAMPADA	UED	Khunta S/D	AMBADALI	33/11kV S/S	AMBADALI	RURAL	AAA	1.29	0.77	19.27%	19.73%
BAMPADA	UED	Khunta S/D	AMBADALI	33/11kV S/S	DHANUA	RURAL	AAA	1.58	0.85	15.28%	15.28%
BAMPADA	UED	Khunta S/D	AMBADALI	33/11kV S/S	MUNTAPUR	RURAL	AAA	1.42	1.17	10.73%	14.96%
BAMPADA	UED	Khunta S/D	BICHAKHAI	33/11kV S/S	BICHAKHAI	RURAL	AAA	1.56	1.16	14.94%	16.71%
BAMPADA	UED	Khunta S/D	BICHAKHAI	33/11kV S/S	BADIPUR	RURAL	AAA	2.11	0.87	7.46%	7.53%
BAMPADA	UED	Khunta S/D	BICHAKHAI	33/11kV S/S	DHANJORA	RURAL	AAA	1.49	1.10	19.99%	20.90%
BAMPADA	UED	Khunta S/D	BICHAKHAI	33/11kV S/S	KUSALUDIHI	RURAL	AAA	1.98	1.33	16.13%	16.16%
BAMPADA	UED	Khunta S/D	BICHAKHAI	33/11kV S/S	MUKTAPUR	RURAL	AAA	0.87	0.70	15.08%	16.39%
BAMPADA	UED	Khunta S/D	BICHAKHAI	33/11kV S/S	SINGTIA	RURAL	AAA	1.87	1.60	15.05%	15.77%
BAMPADA	UED	Khunta S/D	CHUNTA	33/11kV S/S	BARJORA	RURAL	AAA	9.93	9.93	4.32%	4.85%
BAMPADA	UED	Khunta S/D	CHUNTA	33/11kV S/S	KUSUDA	RURAL	AAA	3.79	3.19	14.91%	15.37%
BAMPADA	UED	Khunta S/D	KHATIBEI	33/11kV S/S	BHIRAM	RURAL	AAA	1.42	1.39	15.64%	15.91%
BAMPADA	UED	Khunta S/D	KHATIBEI	33/11kV S/S	CHHAGHARIA	RURAL	AAA	2.77	2.38	18.74%	21.41%
BAMPADA	UED	Khunta S/D	KHATIBEI	33/11kV S/S	DIHIJA	RURAL	AAA	3.18	2.93	15.71%	17.56%
BAMPADA	UED	Khunta S/D	KHATIBEI	33/11kV S/S	MAHADEVPUR	RURAL	AAA	3.81	2.99	15.67%	16.96%
BAMPADA	UED	Udala S/D	NUAGUDIHI	33/11kV S/S	BHIRUBASINI	RURAL	AAA	1.56	0.99	15.73%	17.38%
BAMPADA	UED	Udala S/D	NUAGUDIHI	33/11kV S/S	NUAGUDIHI	RURAL	AAA	3.49	2.72	18.74%	20.37%
BAMPADA	UED	Khunta S/D	PURANA BAMPADA	33/11kV S/S	KHAKHRA	RURAL	AAA	2.87	2.87	16.29%	18.23%
BAMPADA	UED	Khunta S/D	PURANA BAMPADA	33/11kV S/S	RAJGOA	RURAL	AAA	3.41	3.19	14.07%	14.71%
BAMPADA	UED	Khunta S/D	PURANA BAMPADA	33/11kV S/S	SARUDA	RURAL	AAA	1.29	1.21	15.13%	15.56%
BAMPADA	UED	Udala S/D	UDALA	33/11kV S/S	BATUNDI	RURAL	AAA	6.87	6.35	15.23%	16.86%
BAMPADA	UED	Udala S/D	UDALA	33/11kV S/S	UDALA	RURAL	AAA	0.58	0.49	9.40%	9.71%
BAMPADA	UED	Khunta S/D	UDHIRIDA	33/11kV S/S	BELAM	RURAL	AAA	1.88	1.66	5.28%	5.84%
BAMPADA	UED	Khunta S/D	UDHIRIDA	33/11kV S/S	SUSUNIAPUR	RURAL	AAA	2.28	1.97	15.06%	15.31%
BAMPADA	UED	Khunta S/D	UDHIRIDA	33/11kV S/S	UDUBATHPUR	RURAL	AAA	2.30	2.13	13.27%	13.96%
BAMPADA	UED	Khunta S/D	UDHIRIDA	33/11kV S/S	UDHIRIDA	RURAL	AAA	0.99	0.99	16.23%	16.35%
BAMPADA	UED	Udala S/D	UDALA	33/11kV S/S	KUSUMATPATA	RURAL	AAA	6.44	5.99	11.17%	11.94%
BAMPADA	UED	Udala S/D	UDALA	33/11kV S/S	KHOPI	RURAL	AAA	3.85	3.19	18.87%	19.47%
BAMPADA	UED	Udala S/D	UDALA	33/11kV S/S	UDALA NO-1	URBAN	AAA	4.84	3.14	19.74%	21.83%
BAMPADA	BPED	No. 2 S/D	SILIDA	33/11kV S/S	DHANSUDHI	RURAL	AAA	2.19	2.12	13.69%	14.39%
BAMPADA	BPED	No. 2 S/D	SILIDA	33/11kV S/S	DHANJHARA COLLEGE	RURAL	AAA	8.88	8.24	12.08%	18.11%
BAMPADA	BPED	No. 2 S/D	SILIDA	33/11kV S/S	PALLI	RURAL	AAA	3.81	3.81	16.03%	17.42%
BAMPADA	BPED	Rasulgunj S/D	BALUDIPUR	33/11kV S/S	DHANDIPAL	URBAN	AAA	10.98	9.39	12.09%	12.39%
BAMPADA	BPED	Rasulgunj S/D	BALUDIPUR	33/11kV S/S	DHAN BAZAR	URBAN	AAA	10.18	7.91	18.87%	19.35%
BAMPADA	BPED	Rasulgunj S/D	BALUDIPUR	33/11kV S/S	MANDIR	URBAN	AAA	3.31	2.94	15.79%	19.76%
BAMPADA	BPED	Rasulgunj S/D	BALUDIPUR	33/11kV S/S	NAYAGHUMPUR	RURAL	AAA	3.80	3.29	16.94%	18.85%
BAMPADA	BPED	Rasulgunj S/D	BALUDIPUR	33/11kV S/S	SUKUDAPUR (L)	RURAL	AAA	1.90	1.13	16.84%	17.45%
BAMPADA	BPED	Rasulgunj S/D	BALUDIPUR	33/11kV S/S	SUSUNIPUR	URBAN	AAA	11.91	8.49	14.17%	17.17%
BAMPADA	BPED	Sharsa S/D	BARIPUR	33/11kV S/S	BALARAMDI	RURAL	AAA	10.31	8.12	11.97%	19.56%
BAMPADA	BPED	No. 2 S/D	BARSAHIKACHHARPUR	33/11kV S/S	JANGAT	RURAL	AAA	1.20	0.87	44.09%	45.38%
BAMPADA	BPED	Tiruri S/D	CHHATRAPALI PSS	33/11kV S/S	BAMPANGAR	RURAL	AAA	3.19	3.19	16.89%	17.97%
BAMPADA	BPED	Tiruri S/D	CHHATRAPALI PSS	33/11kV S/S	CHHATRAPALI	URBAN	AAA	10.07	8.98	10.72%	17.89%
BAMPADA	BPED	Tiruri S/D	CHHATRAPALI PSS	33/11kV S/S	TIRIYA (CHP)	RURAL	AAA	3.19	3.19	18.79%	19.39%
BAMPADA	BPED	Sharsa S/D	DHANKHAPALI	33/11kV S/S	DHENKIKA	RURAL	AAA	7.31	6.91	12.13%	12.85%
BAMPADA	BPED	Rasulgunj S/D	JHUNTIPALI	33/11kV S/S	DHUNDHAKUND	RURAL	AAA	4.31	3.99	16.70%	18.36%
BAMPADA	BPED	Rasulgunj S/D	JHUNTIPALI	33/11kV S/S	JHUNTIPALI	RURAL	AAA	1.66	1.49	16.28%	16.91%
BAMPADA	BPED	Rasulgunj S/D	JHUNTIPALI	33/11kV S/S	PALDIHA	URBAN	AAA	3.61	3.52	13.63%	13.93%
BAMPADA	BPED	Tiruri S/D	KHETRA PSS	33/11kV S/S	KHERKHAIPUR	RURAL	AAA	3.99	3.72	21.47%	21.86%

Name of the Circle	Name of the Division	Name of the Sub-division	Name of the Sub-Station	Feeder Code/ID	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural/Rural)	Type of feeder meter (AMR/AMI/Others)	Input Energy Received at Feeder (in MU)	Feeder Consumption (in MU)	T&D losses (%)	AT&C losses (%)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Name of the Circle	Name of the Division	Name of the Sub-division	Name of the Sub-station	Feeder Code	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural (Rural))	Type of feeder meter (AMR/AMI/Others)	Input Energy Received at Feeder (in MU)	Feeder Consumption (in MU)	T&D losses (%)	AT&C losses (%)
KEONJHAR	KED	No. I Keonjhar S/D	[illegible]	[illegible]	[illegible]	URBAN	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. I Keonjhar S/D	[illegible]	[illegible]	[illegible]	URBAN	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	No. II Keonjhar S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]
KEONJHAR	KED	Turmunga S/D	[illegible]	[illegible]	[illegible]	RURAL	AMR	[illegible]	[illegible]	[illegible]	[illegible]

Observations:

- From the above table it can be concluded that % of Losses are relatively on higher side in rural areas.
- Losses on all Agricultural feeders are also on higher side.
- Highest % of losses observed at Luhakanii (Rural Feeder) which is around 59.75%.

TPNODL Reply: GIS consumer mapping is in progress across the utility. The actual feeder loss will be arrived post-consumer mapping for the feeder. The same shall be corrected in the subsequent financial year.

DT WISE AUDIT & LOSS CALCULATION:

The DT wise loss calculation of sample DTs of capacity 100kVA & above along with the metering and communication details are as given below:

Details of DT-wise losses (please add more rows as per requirement)

Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (kVA)	Predominant consumer type of DT (Domestic/Industrial/Agricultural/Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4321115	432111503	Collector	TPNODL39001029	100	MIXED	AMI	FUNCTIONAL	100%	11	0.032	0.021	0.011	34.45%
4321115	432111501	Collectorate	TPNODL39001101	100	MIXED	AMI	FUNCTIONAL	100%	78	0.046	0.037	0.009	19.34%
4321115	432111503	Phandi Chhaka	TPNODL39001033	100	MIXED	AMI	FUNCTIONAL	100%	33	0.016	0.011	0.005	32.34%
4321115	432111503	Phandi Chhaka	TPNODL39001408	100	MIXED	AMI	FUNCTIONAL	100%	30	0.023	0.022	0.002	6.57%
4321115	432111503	Phandi Chhaka	TPNODL39001411	100	MIXED	AMI	FUNCTIONAL	100%	32	0.029	0.021	0.009	29.18%
4321115	432111503	Phandi Chhaka	TPNODL39001424	100	MIXED	AMI	FUNCTIONAL	100%	39	0.052	0.026	0.026	49.65%
4321115	432111504	Motiganj	TPNODL39001104	100	MIXED	AMI	FUNCTIONAL	100%	61	0.023	0.020	0.003	14.92%
4321115	432111504	Motiganj	TPNODL39001410	100	MIXED	AMI	FUNCTIONAL	100%	41	0.018	0.015	0.003	15.61%
4321115	432111504	Motiganj	TPNODL39001818	100	MIXED	AMI	FUNCTIONAL	100%	49	0.016	0.013	0.003	19.14%
4321115	432111504	Damadarpur	TPNODL39002110	100	MIXED	AMI	FUNCTIONAL	100%	77	0.035	0.021	0.014	40.82%
4321115	432111504	Motiganj	TPNODL39007064	100	MIXED	AMI	FUNCTIONAL	100%	51	0.021	0.017	0.004	20.95%
4321115	432111504	Damdarpur	TPNODL39007469	500	MIXED	AMI	FUNCTIONAL	100%	145	0.117	0.047	0.070	59.74%
4321115	432111504	Damdarpur	TPNODL39007471	250	MIXED	AMI	FUNCTIONAL	100%	137	0.095	0.040	0.055	57.90%
4321115	432111504	Damdarpur	TPNODL390075.77	100	MIXED	AMI	FUNCTIONAL	100%	76	0.035	0.022	0.013	37.58%
4321122	432112202	Digriania	TPNODL39000016	100	MIXED	AMI	FUNCTIONAL	100%	96	0.047	0.029	0.018	38.65%
4321122	432112202	Digriania	TPNODL39000017	100	MIXED	AMI	FUNCTIONAL	100%	53	0.015	0.011	0.004	25.63%
4321122	432112202	Digriania	TPNODL39000019	100	MIXED	AMI	FUNCTIONAL	100%	113	0.054	0.041	0.013	24.79%
4321122	432112202	Sumhal	TPNODL39002021	100	MIXED	AMI	FUNCTIONAL	100%	90	0.054	0.023	0.031	57.49%
4321122	432112202	Purana Balasore	TPNODL39002238	100	MIXED	AMI	FUNCTIONAL	100%	80	0.034	0.022	0.012	35.39%
4321122	432112203	Bania Mandir Feeder	TPNODL39001155	100	MIXED	AMI	FUNCTIONAL	100%	98	0.037	0.034	0.002	6.66%
4321144	432114401	Balamgadi	TPNODL39001012	100	MIXED	AMI	FUNCTIONAL	100%	25	0.023	0.010	0.014	58.50%
4321144	432114401	Balramgadi	TPNODL39001323	100	DOMESTIC	AMI	FUNCTIONAL	100%	1	0.035	0.037	0.003	8.23%
4321144	432114401	Swadhinpadia	TPNODL39001520	100	MIXED	AMI	FUNCTIONAL	100%	30	0.014	0.008	0.006	43.66%
4321144	432114403	Nuthpada	TPNODL39007067	100	MIXED	AMI	FUNCTIONAL	100%	41	0.015	0.011	0.004	28.70%
4321153	432115301	Ramipatna	TPNODL39000184	100	MIXED	AMI	FUNCTIONAL	100%	54	0.048	0.023	0.025	52.55%
4321153	432115301	Ramipatna	TPNODL393008.02	100	MIXED	AMI	FUNCTIONAL	100%	40	0.023	0.014	0.010	41.66%
4321153	432115301	Ramipatna	TPNODL39001107	100	MIXED	AMI	FUNCTIONAL	100%	55	0.040	0.027	0.013	33.35%
4321153	432115301	Ramipatna	TPNODL39001296	100	MIXED	AMI	FUNCTIONAL	100%	55	0.039	0.034	0.005	12.34%
4321153	432115301	Ramipatna	TPNODL39001343	100	MIXED	AMI	FUNCTIONAL	100%	41	0.017	0.012	0.004	26.89%
4321153	432115301	Ramipatna	TPNODL39001478	500	MIXED	AMI	FUNCTIONAL	100%	241	0.101	0.080	0.022	21.22%
4321153	432115301	Ramipatna	TPNODL39001784	100	MIXED	AMI	FUNCTIONAL	100%	28	0.013	0.010	0.003	24.61%
4321153	432115301	Ramipatna	TPNODL39001816	100	MIXED	AMI	FUNCTIONAL	100%	56	0.037	0.016	0.020	55.47%
4321153	432115301	Ramipatna	TPNODL39001819	500	MIXED	AMI	FUNCTIONAL	100%	376	0.142	0.115	0.027	18.89%
4321153	432115301	Ramipatna	TPNODL39002116	100	MIXED	AMI	FUNCTIONAL	100%	105	0.030	0.015	0.016	51.89%
4321153	432115302	Suetpur	TPNODL39001039	100	MIXED	AMI	FUNCTIONAL	100%	88	0.023	0.021	0.002	10.29%
4321153	432115302	Suetpur	TPNODL39001192	100	MIXED	AMI	FUNCTIONAL	100%	49	0.016	0.013	0.003	16.98%
4321153	432115302	Suetpur	TPNODL39001477	100	MIXED	AMI	FUNCTIONAL	100%	132	0.046	0.039	0.007	15.07%
4321153	432115302	Suetpur	TPNODL39001618	100	MIXED	AMI	FUNCTIONAL	100%	78	0.041	0.033	0.008	19.63%

From the above, it can be observed that, Damdarpur Feeder DTs 500kVA, 250kVA & 100kVA have highest loss of 59.74%, 57.90% and 37.58% respectively.

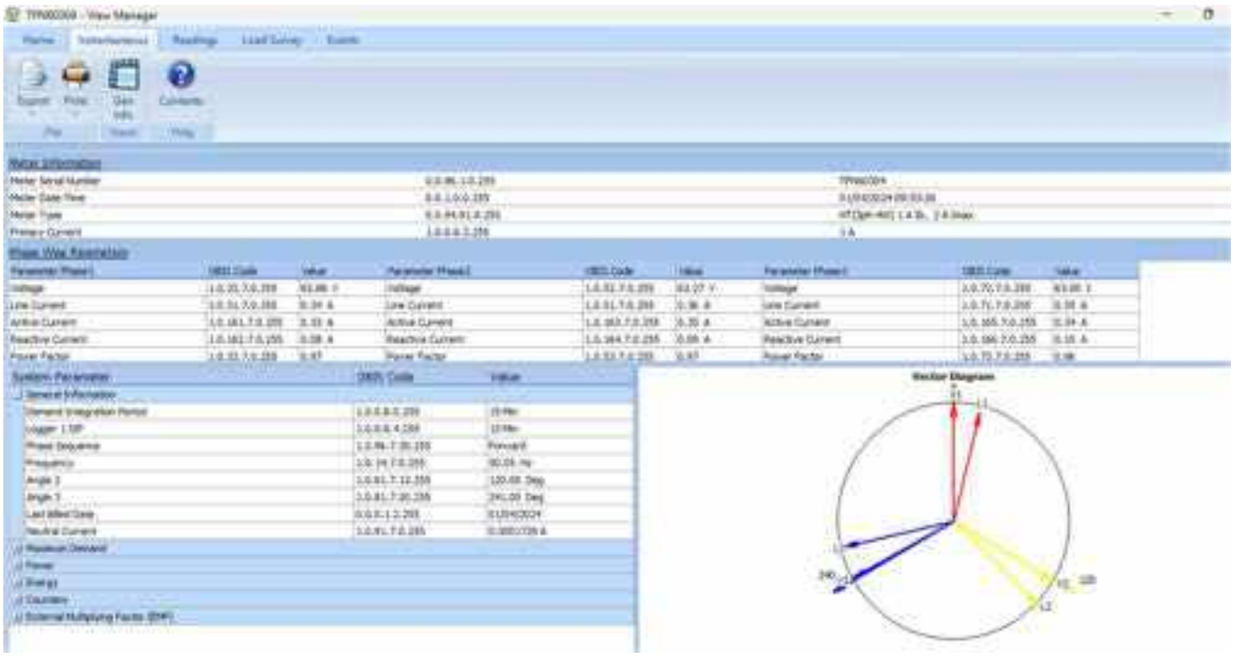
Bania Mandir & Phandi Chhaka 100kVA DTs have low losses of 6.57% and 6.66% respectively which is appreciable.

Most of the DTs have losses in the range of 10%-40%. TPNODL is advised to work on these DTs for reduction of their losses.

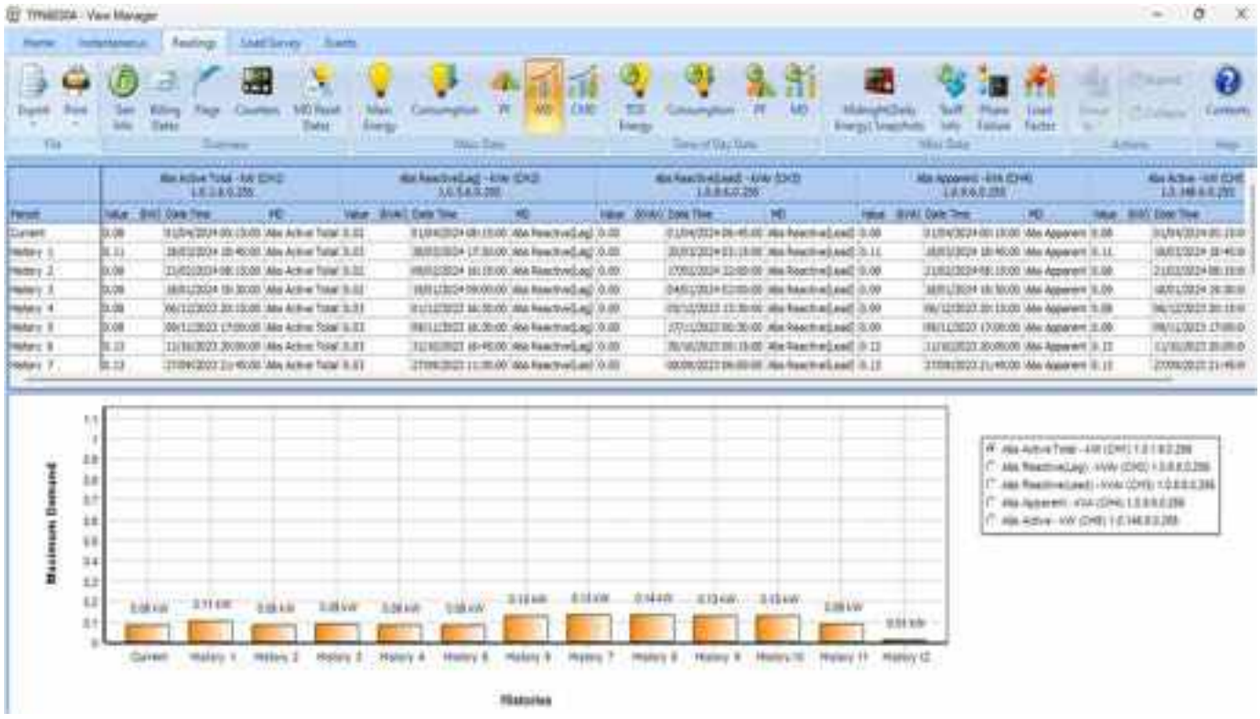
4.0.2 VALIDATION OF METERED DATA

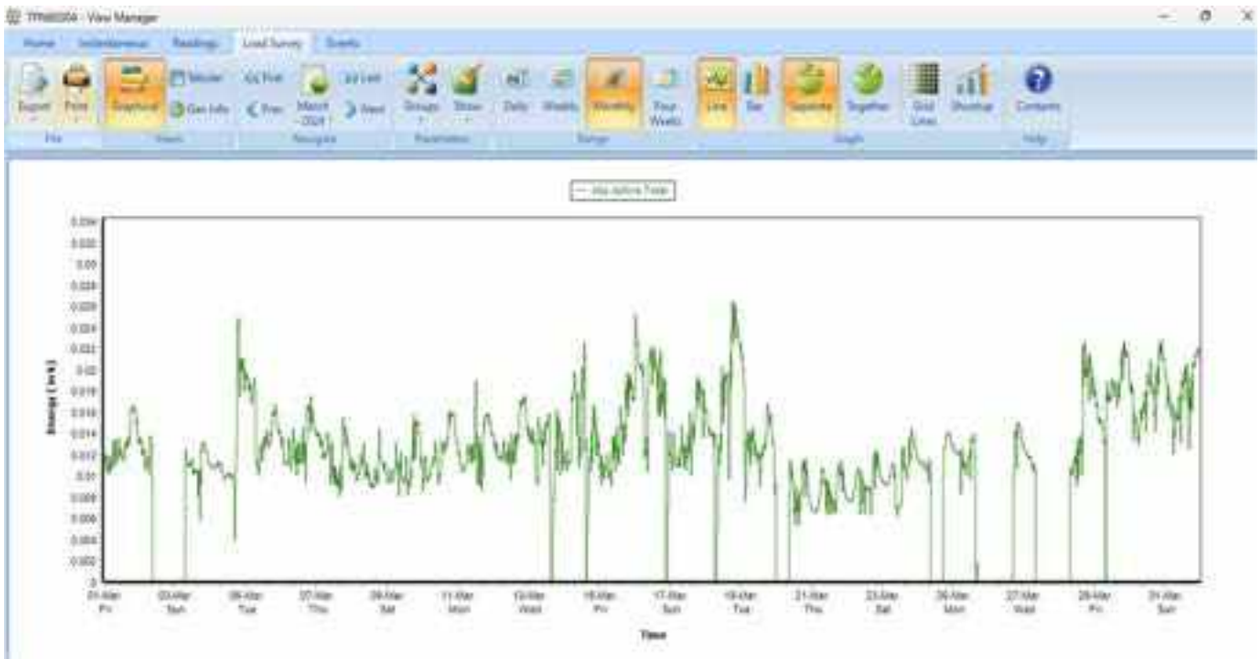
The Third Party Auditor along with Energy Audit Team visited and checked the input and output data pertaining to 10 no's 33/11kV PSS and also collected the respective screen shots of MRI dumps. The results are tabulated under SL-2 Audit Sheet.

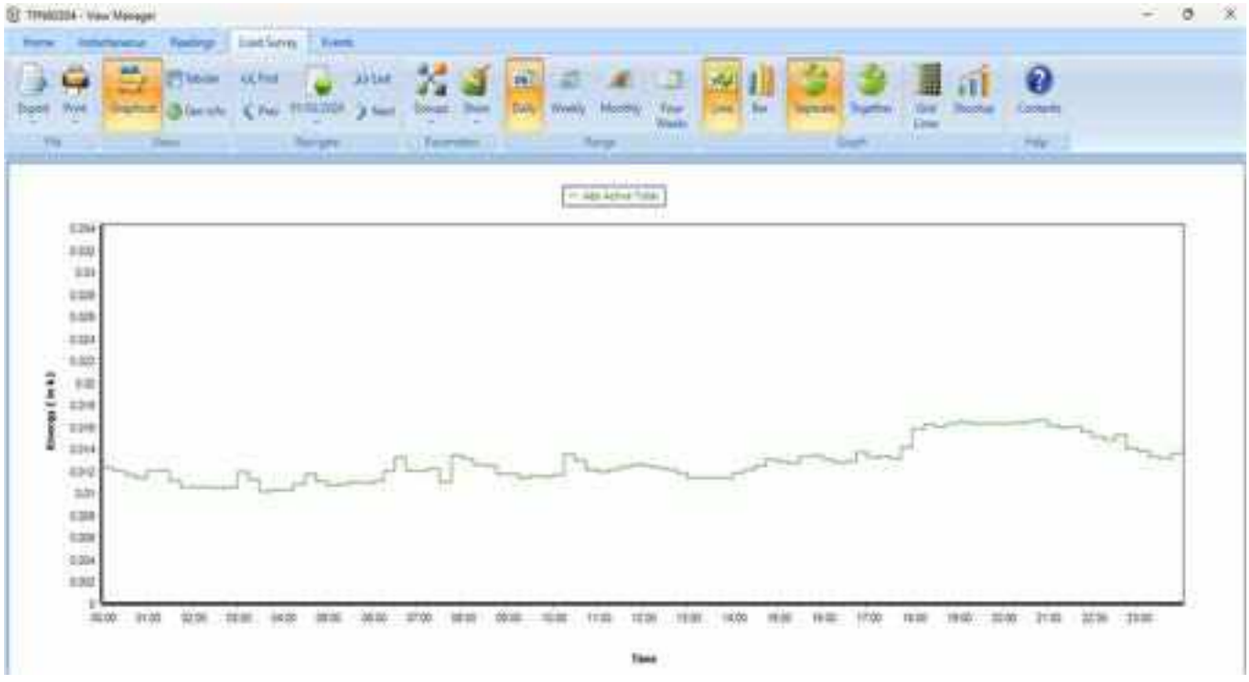
The sample screenshot of the Meter Raw data files are as given below:




TPNEDM - View Manager
Power Factor
Histories


TPNEDM - View Manager
Maximum Demand
Histories



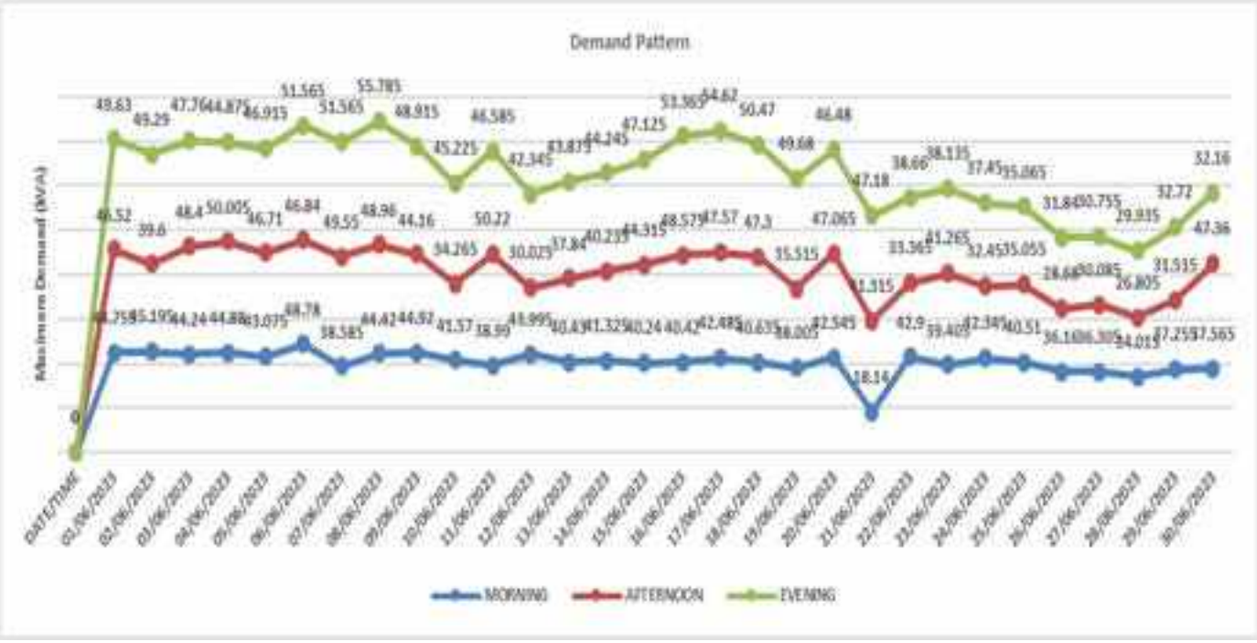


DT AUDIT PILOT PROJECT:

A Pilot Project was done by Energy Audit Group of TPNODL on a 100kVA Rural Feeder DT named 'Dahapada' Village of Balasore Circle.

The Loss identified on the DT was earlier 51% which was reduced to 32% after taking the various energy conservation measures and enforcement raids.

The demand pattern day wise analysis of the 100kVA Dahapada Village DT can be understand from the below graph:



Based on Smart meter energy data, DT meter audit carried out for the operational parameters in terms of Utilization & Balancing. Sample is given below:

Meter no.	Rating(kVA)	Rated Current (Amp)	DT MDI KW	Maximum current for the month (Amp)			Peak Current as % of Rated			Variance (MAX-MIN)	Remarks
				R	Y	B	R	Y	B		
TPNODL39001080	100	139	113	182	228	120	131%	164%	86%	78%	Unbalanced and Overloaded
TPNODL39000633	250	348	114	123	299	149	35%	86%	43%	51%	Unbalanced
TPNODL39001180	100	139	120	169	155	218	121%	112%	157%	45%	Overloaded
TPNODL39001438	100	139	72	67	126	87	48%	91%	63%	43%	OK
TPNODL39000666	100	139	62	56	106	61	40%	76%	44%	36%	OK
TPNODL39001102	100	139	41	28	71	58	20%	51%	42%	31%	OK
TPNODL39000664	100	139	118	104	144	108	75%	104%	78%	28%	Overloaded
TPNODL39001618	100	139	79	109	84	81	78%	61%	58%	20%	OK
TPNODL39000744	100	139	153	144	162	159	104%	116%	114%	12%	Overloaded
TPNODL39000996	100	139	201	243	246	233	175%	177%	167%	9%	Overloaded

Analysis of Unbalanced and Overloaded DTs

4.0.3 VALIDATION OF ENERGY FLOW DATA AND LOSSES

Abstract of Energy Bill Served by GRIDCO to TPNODL:

Sl.No.	Month	SMD Approved by OERC(kVA)	SMD Permitted by OERC(kVA)	Actual SMD (kVA)	Total Energy Billed as per OERC (MU)	Total Energy Sale as per OERC (MU)	LOSS (%) as per OERC
1	Apr-23	12,80,000	14,08,000	12,16,321	623.923	521.895	16.35%
2	May-23	12,80,000	14,08,000	11,23,153	639.789	516.749	19.23%
3	Jun-23	12,80,000	14,08,000	12,67,195	643.868	547.245	15.01%
4	Jul-23	12,80,000	14,08,000	12,07,956	665.742	566.878	14.85%
5	Aug-23	12,80,000	14,08,000	12,03,310	647.54	566.588	12.50%
6	Sep-23	12,80,000	14,08,000	12,20,855	624.58	552.848	11.48%
7	Oct-23	12,80,000	14,08,000	11,81,432	621.961	534.877	14.00%
8	Nov-23	12,80,000	14,08,000	10,44,514	504.573	445.261	11.75%
9	Dec-23	12,80,000	14,08,000	8,94,570	477.034	419.093	12.15%
10	Jan-24	12,80,000	14,08,000	9,65,170	520.648	432.038	17.02%
11	Feb-24	12,80,000	14,08,000	10,14,169	501.363	434.632	13.31%
12	Mar-24	12,80,000	14,08,000	11,47,307	576.13	458.254	20.46%
TOTAL		**1,53,60,000**	**1,68,96,000**	**1,34,85,952**	**7047.151**	**5996.358**	**14.91%**

CALCULATION OF PAYBACK PERIOD:

Approved sale of TPNODL as approved by commission for FY 2023-24= 5996.358 MU

Calculated T&D Loss of TPNODL for FY 2023-24= 14.91 %

Target T&D Loss as approved by Hon'ble OERC for FY 2023-24 = 18.00%

So, Targeted Annual Energy Savings in MUs (wrt. FY2022-23) = 5996.358*(18.00-14.91) = 185.29 MUs

Approved Bulk Supply Price of GRIDCO for FY 2023-24= 3.35 per Unit

Approved Transmission Tariff of OPTCL for FY 2023-24= 0.24 per Unit

Hence, financial saving of TPNODL due to T&D loss reduction= (3.35+0.24) *185.29/10=66.52 Crores

Total investment approved by Hon'ble OERC for T&D Loss = 433.10 Crores

Simple Payback period = TOTAL INVESTMENT / SAVINGS = 433.10/66.52= 7 Years

BILLED AMOUNT OF TPNODL

Total energy billed, amount billed, gross amount collected by the DISCOM for FY 2023-24 is furnished below:

ANNUAL BILLED AMOUNT IN CRORES			
Financial Year	Total Energy Billed	Amount Billed	Gross Amount Collected
	Million kWh	Rs. Cr	Rs. Cr
FY 2023-24	5996.35	3660.19	3797.97

METERED/UNMETERED ENERGY SALE OF TPNODL

Annual Metered/ Unmetered Energy Consumption (in MU) under TPNODL

ANNUAL METERED/UNMETERED ENERGY CONSUMPTION IN MU				
Financial Year	**Total Input Energy**	**Metered Energy Sales**	**Unmetered Energy Sales**	**Estimated unaccounted energy**
FY 2023-24	7047.15	5862.63	133.73	1050.79

Percentage of metered, unmetered & unaccounted energy consumption

% OF METERED/UNMETERED & UNACCOUNTED ENERGY CONSUMPTION				
Financial Year	**Total Input Energy**	**Metered Energy Sales in %**	**Unmetered Energy Sales in %**	**Estimated unaccounted Energy %**
FY 2023-24	7047.15	83.19	1.90	14.91

Observations & Recommendations:

The estimated % of unaccounted energy is 14.91% in FY2023-24 which was around 16.43% during the FY 2022-23 and the AT&C losses are reported to be 11.71%.

5.0. LOSS AND SUBSIDY COMPUTATION

5.0.1 ENERGY ACCOUNTS ANALYSIS FOR PREVIOUS YEAR & PRESENT YEAR

The Energy and Performance Fact Sheet of TPNODL for the last 2 financial years is furnished below:

PARTICULARS	FY 22-23	FY 23-24
Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded) in MU	6473.32	7047.15
Total Sale (MU)	5410.05	5996.36
% of T&D Losses	16.43%	14.91%
T & D Loss (MU)	1063.27	1050.79
Billing Efficiency (%)	83.57%	85.09%
Billing to Consumers (Rs. in Cr.)	3203.92	3660.19
Collection Received (Rs. in Cr.)	3397.92	3797.97
Collection Efficiency (%)	106.06%	103.76%
AT& C Loss (%)	11.36%	11.71%

Energy Accounts of Previous Year:

TPNODL has purchased around 6473.32 MU of Energy from GRIDCO in FY 2022-23 and has billed around 5410.05 MU of energy to its various consumers and thus has a T&D Loss of around 16.43% & AT&C Loss of around 11.33% in FY 2022-23 as per the performance review report of TPNODL submitted to Hon'ble OERC.

PARTICULARS	FY 2022-23
Input Energy(MU)	6473.32
Total Sale (MU)	5410.05
T & D Loss (%)	16.43%
T & D Losses (MU)	1063.27
Billing Efficiency (%)	83.57%
Billing To Consumers (Rs. in Cr)	3203.92
Collection Received (Rs. in Cr)	3397.92
Collection Efficiency (%)	106.06%
AT& C Losses (%)	11.36%

Energy Accounts and performance of TPNODL in Current Year:

TPNODL has purchased around 7047.17 MU of Energy from GRIDCO in FY 2023-24 and has billed around 5996.36 MU of energy to its various consumers and thus has a T&D Loss of around14.91% & AT&C Loss of around 11.71% in FY 2023-24 as per the performance review report of TPNODL submitted to Hon'ble OERC.

PARTICULARS	FY 2023-24
Input Energy(MU)	7047.15
Total Sale (MU)	5996.36
T & D Loss (%)	14.91%
T & D Losses (MU)	1050.79
Billing Efficiency (%)	85.09%
Billing To Consumers (Rs. in Cr)	3660.19
Collection Received (Rs. in Cr)	3797.97
Collection Efficiency (%)	103.76%
AT& C Losses (%)	11.71%

Division Wise Energy & Performance Fact Sheet of TPNODL for FY 2023-24:

Name of Division	Energy Input (MU) (Assuming HT Loss 8%)	Energy Sold (MU)	T & D Loss (%) (Assuming HT Loss 8%)	Billing Efficiency (%)	Billing to Consumer (Rs. in Crs.)	Collection Received (Rs. in Crs.)	Collection Efficiency (%)	AT & C Loss (%)
BED, BALASORE	343.007	302.972	11.67%	88.33%	187.71	189.16	100.77%	10.99%
BTED, BASTA	159.584	93.248	41.57%	58.43%	47.50	50.67	106.69%	37.66%
JED, JALESWAR	263.042	193.446	26.46%	73.54%	102.77	108.02	105.10%	22.70%
CED, BALASORE	791.068	695.357	12.10%	87.90%	415.38	472.40	113.73%	0.03%
SED, SORO	237.623	179.894	24.29%	75.71%	95.24	98.11	103.01%	22.01%
BNED, BHADRAK (N)	592.763	455.546	23.15%	76.85%	275.79	282.21	102.33%	21.36%
BSED, BHADRAK (S)	168.273	107.690	36.00%	64.00%	58.41	64.59	110.58%	29.23%
BPED, BARIPADA	346.817	249.923	27.94%	72.06%	149.50	158.90	106.28%	23.41%
UED, UDALA	104.411	74.307	28.83%	71.17%	42.20	46.39	109.93%	21.77%
RED, RAIRANGPUR	210.562	153.501	27.10%	72.90%	91.25	103.75	113.70%	17.11%
JRED, JAJPUR ROAD	1867.574	1790.344	4.14%	95.86%	1137.38	1151.43	101.23%	2.95%
JTED, JAJPUR TOWN	184.044	136.167	26.01%	73.99%	72.52	72.82	100.42%	25.71%
KUED, KUAKHIA	309.492	211.938	31.52%	68.48%	127.18	129.22	101.60%	30.42%
KED, KEONJHAR	382.081	352.268	7.80%	92.20%	222.32	222.22	99.95%	7.85%
JOED, JODA	910.041	878.556	3.46%	96.54%	564.60	572.77	101.45%	2.06%
AED, ANANDAPUR	176.769	121.201	31.44%	68.56%	70.43	75.32	106.95%	26.67%
TPNODL TOTAL	**7047.151**	**5996.358**	**14.91%**	**85.09%**	**3660.19**	**3797.97**	**103.76%**	**11.71%**

CALCULATION OF T&D LOSS

Distribution Loss or T&D loss is the difference between energy supplied to a network and the total energy billed. It includes both technical and commercial losses.

Sample Calculation:

A typical calculation for T&D Loss for FY 2023-24 is furnished below:

The Average Demand of TPNODL for FY 2023-24 = 1123.82 MVA

The total Energy Input to TPNODL for FY 2023-24 = 7047.15 MU

BST Bill (P/U) = 3.59
BST Bill of GRIDCO to TPNODL for FY 2023-24 = Energy input (MU) x BST Bill (P/U)/10 + 0.09684
=7047.15 * (3.59/10) +0.09684
= 2531.09 Cr
Total Energy sale to all consumer i.e. EHT, HT and LT for FY 2023-24 = 5996.358 MU
Energy sale to EHT consumer = 3115.166 MU
Energy sale to HT consumer = 685.813 MU
Energy sale to LT consumer = 2195.379 MU
For HT Category of T & D Loss is assumed at 8%

T & D Loss in LT Category = 1-(Energy sale to LT consumer in MU/ ((Total Energy input in MU - Energy sale to EHT consumer in MU) – ((Energy input in MU - Energy sale to EHT consumer in MU) x 8%) - Energy sale to HT consumer in MU))
= 1-(2195.37 / ((7047.15- 3115.16) - ((7047.15- 3115.16)*8%) – 685.81)) **= 25.11%**

T & D Loss in HT & LT Category = 1-(((Energy sale to HT consumer in MU+ Energy sale to LT consumer in MU)/ (Total Energy input in MU- Energy sale to EHT consumer in MU)))
=1-(((685.81+2195.37)/ (7047.15- 3115.16))) = **26.72%**

Overall T & D Loss of TPNODL for FY 2023-24 = 1- Total Energy sale to consumer including EHT,HT and LT in MU/ Total Energy input in MU
=1-(5996.35/7047.15) = **14.91%**

Based on the above methodology T&D loss for FY 2023-24 is calculated & furnished below:

PARTICULARS	FY 2023-24
BULK SUPPLY	
Demand (MVA)	**1023.829**
Energy input (MU)	**7047.151**
SALE TO CONSUMERS (MU)	
EHT	3115.166
HT	685.813
LT	2195.379
TOTAL SALE (MU)	**5996.358**
T & D LOSS (%)	
HT	**8%**
LT	**25.11%**
HT+LT	**26.72%**
OVERALL T & D LOSS (%)	**14.91%**

Month wise T & D loss FY 2023-24 is furnished below:

Table 3.1: T&D LOSS FOR FY 2023-24

PARTICULARS	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	TOTAL
BULK SUPPLY													
Demand (MVA)	1216.321	1123.153	1267.195	1207.956	1203.310	1220.855	1181.432	1044.514	894.570	965.170	1014.169	1147.307	1123.829
Energy input (MU)	623.923	639.789	643.868	665.742	647.540	624.580	621.961	504.573	477.034	520.648	501.363	576.130	7047.151
SALE TO CONS (MU)													
EHT`	274.505	259.125	254.871	275.585	277.785	263.03	280.115	244.064	232.764	263.096	236.874	253.352	3115.166
HT	52.07	54.21	53.909	57.518	59.031	56.775	55.812	52.914	58.209	61.706	60.066	63.593	685.813
LT	195.32	203.414	238.465	233.775	229.772	233.043	198.95	148.283	128.12	107.236	137.692	141.309	2195.379
TOTALSALE (MU)	521.895	516.749	547.245	566.878	566.588	552.848	534.877	445.261	419.093	432.038	434.632	458.254	5996.358
T & D LOSS (%)													
LT	27.50%	31.28%	21.55%	22.44%	18.27%	15.52%	23.09%	20.60%	23.06%	38.81%	24.87%	39.45%	25.11%
HT & LT	29.20%	32.32%	24.84%	25.34%	21.89%	19.84%	25.47%	22.77%	23.72%	34.40%	25.23%	36.52%	26.72%
OVERALL (%)	16.35%	19.23%	15.01%	14.85%	12.50%	11.48%	14.00%	11.75%	12.15%	17.02%	13.31%	20.46%	14.91%

CALCULATION OF AT&C LOSS

AGGREGATE TECHNICAL & COMMERCIAL (AT&C) LOSS:

Aggregate Technical & Commercial Loss (AT&C Loss) is defined as the summation of all technical as well as commercial power loss that occurs due to electrical power flow through sub- transmission and distribution network.

Technical Loss is defined as the summation of power loss through 33 kV, 11 kV line and LT Line loss including transformer loss and others.

Commercial Loss is defined as the summation of power loss occurring due to theft/ pilferage, deficient meter, inefficiency in billing & unrealized revenue due to collection inefficiency.

COMPUTATION OF AT& C LOSS

Aggregate Technical & Commercial Loss (AT&C) is computed from the actual meter readings of the meter installed at various locations in the system.

Calculations:

Calculation AT & C loss for FY 2023-24 is furnished below

The total Energy Input to TPNODL for FY 2023-24 = 7047.151 MU

The total Energy sale by TPNODL for FY 2023-24 = 5999.358 MU

Total collection received by TPNODL = 3797.975 Cr

Total Billing to consumers done by TPNODL = 3660.189 Cr

Overall Billing Efficiency (%) for FY 2023-24 = (Total Sale in MU/ Total input in MU)*100

= (5999.358/7047.151)*100 = 85.09 %

Overall Collection Efficiency (%) for FY 2023-24

= (Total Collection Received (Rs. in Cr) / Total Billing to Consumers (Rs. in Cr))*100

= 100* (3797.975 /3660.189) = 103.76 **%**

AT & C Loss (%) for FY 2023-24

AT & C Loss (%) = 1-{Collection Efficiency (%) x Billing Efficiency (%)}

Overall AT & C Loss (%) for FY 2023-24 = 1-(103.76* 85.09%)

= 11.71 %

AT & C Loss for FY 2023-24 is furnished below:

Particulars	FY 2023-24
Total Sale (MU)	5999.358
T & D Loss (%)	14.91%
Billing Efficiency (%)	85.09%
Billing to Consumers (Rs. inCr)	3660.189
Collection Received (Rs. in Cr)	3797.975
Collection Efficiency (%)	103.76%
AT & C Loss (%)	11.71%

Month wise AT & C loss for last financial year is furnished below:

Table3. 4: AT&C LOSS FOR FY 2023-24

PARTICULARS	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	TOTAL
SALE TO CONSUMERS (MU)													
TOTAL SALE (MU)	521.895	516.749	547.245	566.878	566.588	552.848	534.877	445.261	419.093	432.038	434.632	458.254	5996.358
T & D LOSS (%)													
OVERALL (%)	16.35%	19.23%	15.01%	14.85%	12.50%	11.48%	14.00%	11.75%	12.15%	17.02%	13.31%	20.46%	14.91%
BILLING EFFICIENCY (%)													
OVERALL (%)	83.6%	80.8%	85.0%	85.1%	87.5%	88.5%	86.0%	88.2%	87.9%	83.0%	86.7%	79.5%	85.09%
BILLING TO CONSUMERS (Rs. in Crs.)													
TOTAL	310.293	306.865	327.821	337.31	332.426	328.035	323.769	282.61	267.239	279.437	273.179	291.205	3660.189
COLLECTION RECEIVED (Rs. in Crs.)													
TOTAL	301.180	310.498	318.711	328.082	326.167	339.169	324.793	300.179	288.401	276.142	292.566	392.082	3797.975
COLLECTION EFFICIENCY (%)													
OVERALL (%)	97.06%	101.18%	97.22%	97.26%	98.12%	103.39%	100.32%	106.22%	107.92%	98.82%	107.10%	134.64%	103.76%
AT & C LOSS (%)													
OVERALL (%)	18.8%	18.3%	17.4%	17.2%	14.1%	8.5%	13.7%	6.3%	5.2%	18.0%	7.2%	-7.1%	11.71%

Category wise nos. of Consumers:

TPNODL is licensed to distribute electricity to consumers and collect revenue. The different categories of consumers in TPNODL are as per the following.

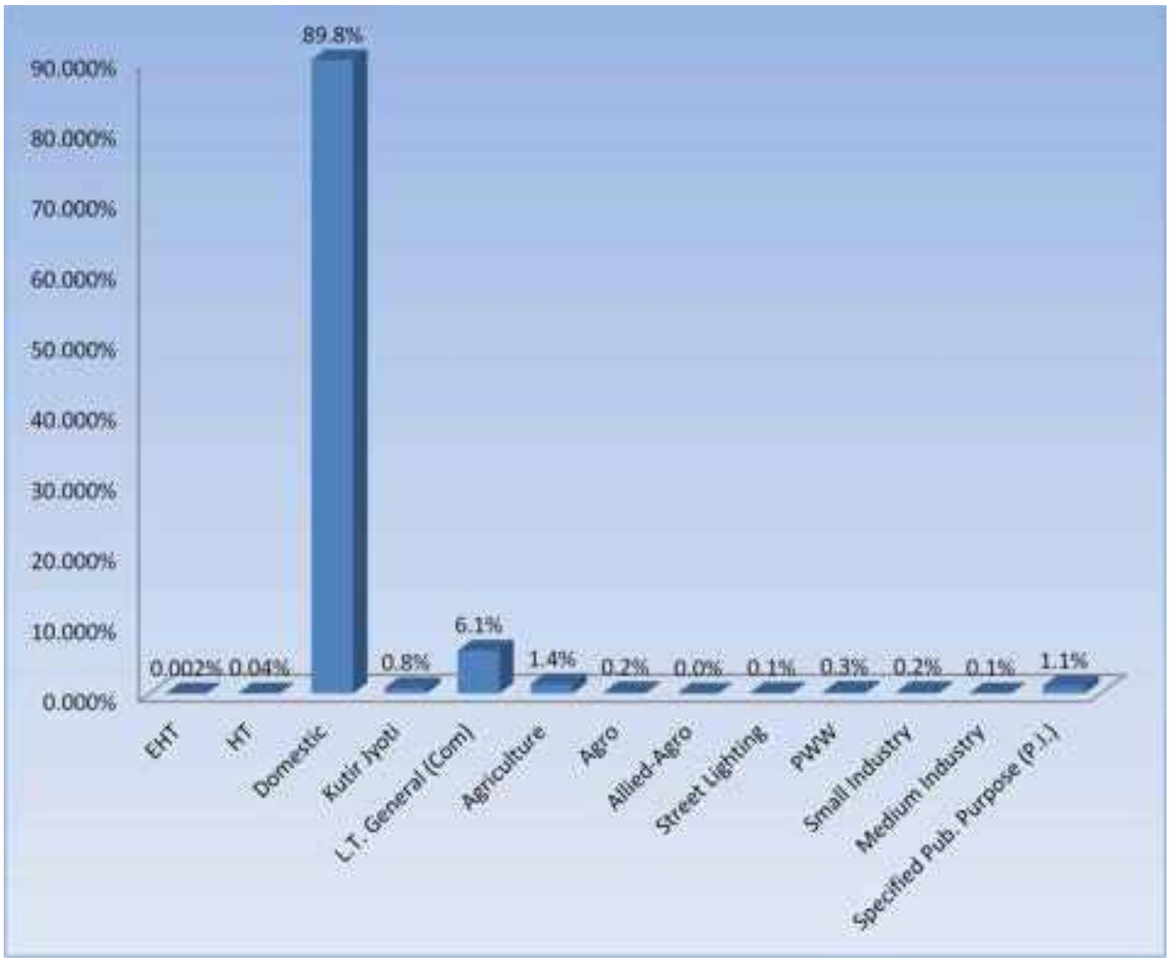
- Domestic
- Kutir Jyoti
- L.T. General (Com)
- Agriculture
- Agro
- Allied-Agro
- Street Lighting
- PWW
- Small Industry
- Medium Industry
- Specified Pub. Purpose (P.I.)
- Large Industry below 132kV
- Power Intensive Industries
- General Purpose
- Bulk-Supply Domestic
- Public Institution
- Irrigation
- Captive Power Plant
- Public Water Works above 110kVA
- Heavy Industries
- Railway Traction

Details of category wise nos. of consumers and their annual energy consumption, contract demand, correct meter, without meter and defect meter for the last financial year are given below:

Category wise no. of consumer under TPNODL

S.No	Type of Consumers	No of Connections	% of Connections
1	EHT	42	0.002%
2	HT	748	0.038%
3	Domestic	1756009	89.844%
4	Kutir Jyoti	15316	0.784%
5	L.T. General (Com)	119207	6.099%
6	Agriculture	26474	1.355%
7	Agro	3811	0.195%
8	Allied-Agro	65	0.003%
9	Street Lighting	2017	0.103%
10	PWW	5015	0.257%
11	Small Industry	4164	0.213%
12	Medium Industry	1119	0.057%
13	Specified Pub. Purpose (P.I.)	20526	1.050%
TOTAL		**1954513**	**100%**

The above data is also depicted in a bar chart for better understanding.



Observations & Recommendations:

- From the above table, it is found that the total consumers in TPNODL are 1954513 in the FY 2023-24. The same was 2041588 during the year 2022-23. TPNODL got removed around 87075 no. of non-paying connections during FY 2023-24 which were identified under special drive (**Project Khoj**), hence, is the main reason for reduction of the consumer base.
- Among all categories, the percentage of domestic category consumers is around 89.8% in FY 2023-24.
- Whereas percentage of nos. of HT consumers is around 0.04% in FY 2023-24, the percentage of nos. of EHT consumers is around 0.002% in FY 2023-24. There is slight increase in the EHT connections from 2022-23 to 2023-24.

5.0.2 ENERGY ACCOUNTS ANALYSIS AND PERFORMANCE IN CURRENT YEAR (QUARTERLY)

Particulars	Quarter 1 (Apr'23-Jun'23)	Quarter 2 (Jul'23-Sep'23)	Quarter 3 (Oct'23-Dec'23)	Quarter 4 (Jan'24-Mar'24)
Gross Input Energy (Purchased from the Generating Sources) (in MUs)	2211.81	2223.43	1982.81	1935.24
Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded) (in MUs)	1904.96	1937.86	1603.57	1598.14
Total Energy Billed (in MUs)	1585.889	1686.314	1468.007	1324.924
Distribution Losses (in MUs)	319.072	251.548	135.561	273.217
Distribution Losses %	16.75%	12.98%	8.45%	17.10%
Collection Efficiency %	98.46%	99.56%	102.44%	113.86%
AT&C Losses %	18.03%	13.36%	6.22%	5.60%

From the above table, it is evident that the Distribution losses are on higher side during Quarters 1 & 2 and on lower side during Quarter 3 & 4.

Collection Efficiency was quiet low during the 1st Quarter but, it was significantly improved in the subsequent quarters.

The AT&C loss % was very low 5.60% in the Quarter 4 due to high Collection Efficiency 113.86%.

5.0.3 SUBSIDY COMPUTATION & ANALYSIS

Subsidy is not applicable to TPNODL DISCOM.

6.0 ENERGY AUDIT FINDINGS

6.0.1 REVIEW OF CAPACITY OF DISCOM'S ENERGY ACCOUNTING AND AUDIT CELL

The main objective of Energy Audit is to establish the following.

- Energy input to the system
- Energy utilized / sold (Energy Sales) to the consumer
- Energy losses in the system.
- To assess the efficiency of the system
- To identify the area of high T&D losses
- To assess the extent of theft & pilferage
- To take appropriate steps for making the system technically more efficient and financially sustainable

Energy audit distinctly addresses the problems of energy losses. Hence, any savings in energy usage and reduction of losses directly leads to the profitability of the utility.

The Energy Accounting and Auditing cell of TPNODL is performing reasonably good job. Even though the organization was taken over by TPNODL in 2021 only its Energy accounting cell has been preparing the quarterly reports regularly and submitting to the BEE in time.

The Energy Audit Team have also ensured 100% metering at the 33kV interface points at OPTCL GSS and ensured 100% metering performance for the PSS & corresponding 11kV feeders.

TPNODL have also installed Smart Metering on their 100kVA and above capacity DTs to ensure real time data and analysis of overloaded and high loss DTs.

They are in process of installing DT Smart Metering on 63kVA for around 9500 DTs in the year FY2024-25.

The various loss reduction recommendations are furnished below:

1. It is recommended that TPNODL should request the Hon'ble Commission for tariff rationalization measures to be adopted for HT / EHT Consumers so that HT / EHT Industries will be incentivized to procure power from DISCOM without depending much on Open Access. TPNODL may be required to incentivize the Industrial Consumption by taking up better tariff rationalization measures in future tariff hearing process, as increase in HT / EHT consumption will help in reducing the T&D losses and AT & C losses.

2. It is proposed that TPNODL should promote Energy Efficient Lighting System (LED Bulbs, Tube lights and Energy Efficient Fans) in association with BEE / EESL / Private ESCO in its utility area. There are few ESCO Companies available in India which will install new energy efficient equipment in place of old conventional equipment and share the energy savings (Monetary savings) on a pre agreed % basis.

3. At present Hon'ble OERC has implemented kVAh billing for the HT/ EHT/ Commercial / MSME and Industrial consumers. In view of the kVAh billing, the consumer which are having low power factor are paying higher energy bills, still the awareness about kVAh billing is not there and consumers are operating with low Power Factors. TPNODL may carry out special drives for awareness and sensitization about kVAh billing. However, TPNODL has started installing Capacitor Bank and APFC Panel.

6.0.2 CRITICAL ANALYSIS - STATUS AND PROGRESS IN COMPLIANCE PREREQUISITES TO ENERGY ACCOUNTING, DATA GAPS, AND SUMMARY OF KEY RESPONSES OF DISCOM MANAGEMENT ON COMMENTS BY ENERGY AUDITOR

- ✓ TPNODL has purchased around 7047.17 MU of Energy from GRIDCO in FY 2023-24 and has billed around 5996.36 MU of energy to its various consumers and thus has a T&D Loss of around 14.91% & AT&C Loss of around 11.71%. This reflects an overall collection efficiency of 103.76% in FY 2023-24.

- ✓ The T&D loss in FY 23-24 (14.91%) is significantly reduced as compared to the T&D loss of FY 22-23 (16.43%). However, out of 16 divisions of TPNODL, the following 11 divisions are having more than the overall T&D loss of 14.91%. It is recommended to take additional steps to reduce the T&D loss of the following divisions.

S No	Division Name	T&D Loss %
1	BTED, BASTA	41.57%
2	JED, JALESWAR	26.46%
3	SED, SORO	24.29%
4	BNED, BHADRAK (N)	23.15%
5	BSED, BHADRAK (S)	36.00%
6	BPED, BARIPADA	27.94%
7	UED, UDALA	28.83%
8	RED, RAIRANGPUR	27.10%
9	JTED, JAJPUR TOWN	26.01%
10	KUED, KUAKHIA	31.52%
11	AED, ANANDAPUR	31.44%

TPNODL Response: TPNODL has implemented some of the measures to increase their Billing Efficiency as follows:

- OCR Based Billing of Meters
- Section & Corporate level Monitoring of daily billing
- Smart Meter installation on 200kW and above load consumers
- Data Sanitization of Consumer Master

- ✓ TPNODL has 100% metering for all the feeders above 11 kV and has provided energy input and consumption / sale data of all the feeders (>11kV). The process of checking the functioning and calibration of the feeder meters is an on-going process and is monitored by TPNODL.

- ✓ TPNODL has installed 4,79,726 meters, which includes the new consumers and replacements for old consumers during FY2023-24.

- ✓ The numbers of unmetered connections are only around 0.21% of total meters installed in the TPNODL service area

- ✓ Since sudden and stringent implementation of various type of measures to reduce the losses may call for opposition from the consumers TPNODL may take necessary steps to increase awareness amongst different categories of consumers about the importance of electricity in the development of the society, how it is produced, how much coal is spent in producing the one unit of electricity etc.

TPNODL Response: TPNODL has taken several measures and organized some consumer awareness programs as follows:

- **Customer Meet-SAMBANDH:** Customer Care Centers division wise in presence of Executive Engineers followed by listening the voice of customers to foster customer satisfaction and build trust
- **Rural Outreach-DISHA:** For reaching out to rural areas and gram panchayat village level consumers to respond to their queries and resolve issues.
- **Key Consumer Group (KCG) Meet:** Meeting with High Valued Consumers at Circle and Division level to attend and discuss their problems related to quality supply of electricity and billing related issues
- **Pay and Win Schemes:** Lucky draw campaign among the consumers to encourage digital and timely payment of electricity bills
- **Social Media & Mass Communication:** Publication of Posters & Pamphlets through Social Media, Magazines and Newspapers regarding awareness of energy conservation and various schemes & offers related to consumer benefits

6.0.3 REVISED FINDINGS BASED ON DATA VALIDATION AND FIELD VERIFICATION

S.No.	Date	Place	Activity Carried Out
1	24.06.2024	TPNODL Commercial Office	Arrival on Site, Opening meeting, Discussed Audit methodology & substation visit agenda discussion
2	24.06.2024	33/11 kV Somnathpur PSS	Field Visit, Inspection, Collection & Verification of data
		33/11 kV Ganeswarpur PSS	Field Visit, Inspection, Collection & Verification of data
		33/11 kV Odangi PSS	Field Visit, Inspection, Collection & Verification of data
		33/11 kV Betnoti PSS	Field Visit, Inspection, Collection & Verification of data
		33/11 kV Salbanisahi PSS	Field Visit, Inspection, Collection & Verification of data
		132/33 kV Basta Grid	Field Visit, Inspection, Collection & Verification of data
3	25.06.2024	33/11 kV Kundibagh PSS	Field Visit, Inspection, Collection & Verification of data
		33/11 kV Bijegangdharpur PSS	Field Visit, Inspection, Collection & Verification of data
		33/11 kV Firestation PSS	Field Visit, Inspection, Collection & Verification of data
		33/11 kV Ragadi PSS	Field Visit, Inspection, Collection & Verification of data

VISIT TO KUNDIBAG 33/11 KV SUBSTATION, BSED, BHADRAK:

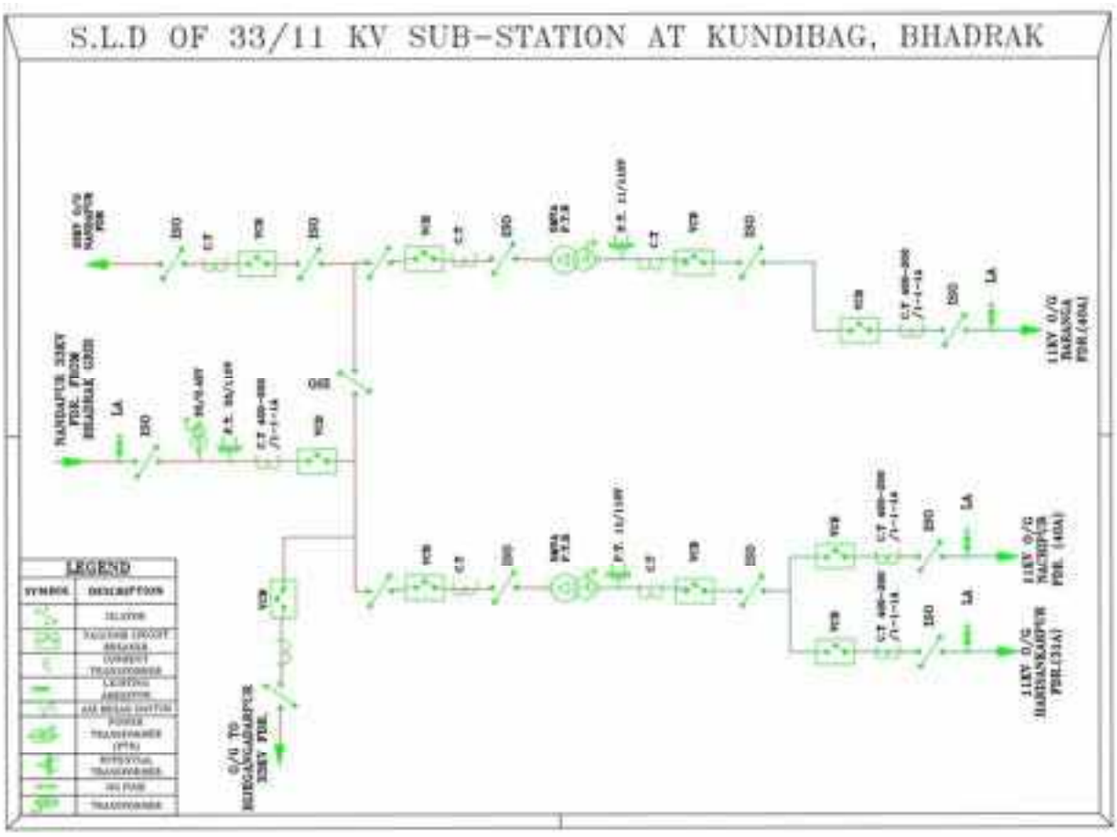
KUNDIBAG PSS

SWITCHYARD OF KUNDIBAG PSS

FEEDER METER, STATION TRF METER & AMR POSITION OF KUNDIBAG PSS

OBSERVATIONS:

- The 33 KV incoming is from Nandapur Feeder.
- Three 11 KV Feeders emanate from the structure namely Banaranga, Nachipur & Harishankarpur. There is no any 33 KV outgoing feeder.
- The 11 kV Feeders have peak ampere of 91 Amp (Banaranga), 17 Amp (Nachipur) and 36 Amp (Harishankarpur).
- There are two nos. of 5 MVA Power Transformers in the structure.
- Silica gel of the transformers are also in good condition.
- WTI, OTI and Body Temperatures of the transformers are within in the limits.
- All the 33kV & 11kV Feeder Meters & AMR are working properly and the reading of Kwh, KVArh, KVAh, KW, KVA etc. are shown in the energy meter on the Control panel.
- Smart Meter Installed at Station Transformer is also working properly and is communicating.
- Fencing have not been found in the Switchyard which is a safety concern.



VISIT TO RAGADI 33/11 KV SUBSTATION, JRED, JAJPUR

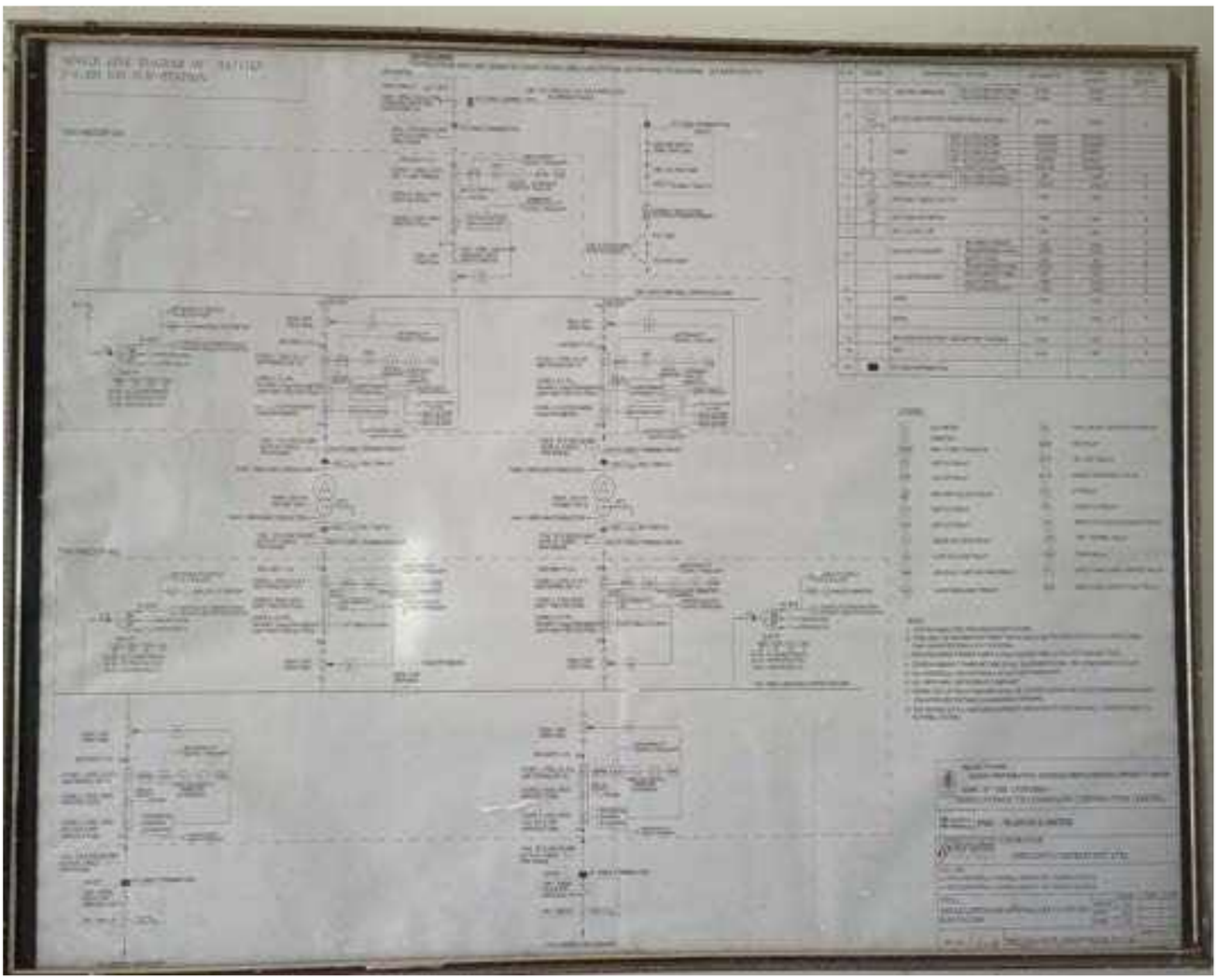
RAGADI PSS

SWITCHYARD OF RAGADI PSS

FEEDER METER & AMR POSITION OF RAGADI PSS

OBSERVATIONS:

- The 33 KV incoming is from Salakana Feeder.
- Two 11 KV Feeder emanate from the structure namely Andhari and Ragadi.
- The 11 kV Feeders have Peak Load of 30 Amp (Andhari) and 83 Amp (Ragadi).
- There are two nos. of 5 MVA Power Transformers in the structure.
- Silica gel of the transformers are also in good condition.
- WTI, OTI and Body Temperatures of the transformers are within in the limits.
- All the 33kV & 11kV Feeder Meters & AMR are working properly and the reading of Kwh, KVArh, KVAh, KW, KVA etc. are shown in the energy meter on the Control panel.
- Fencing have not been found in the Switchyard which is a safety concern.



SINGLE LINE DIAGRAM OF 33/11KV RAGADI PSS

6.0.4 INCLUSIONS AND EXCLUSIONS

Open access energy is excluded while evaluating the distributing losses.
Further, TPNODL have also prepared a Capex Plan for FY2023-24 as follows:

(i) Network Optimization & Load Growth: 102.14 Cr.
(ii) Statutory & Safety: 49.41 Cr.
(iii) Loss Reduction: 56.61 Cr.
(iv) Technology & Civil Infrastructure: 121.60 Cr.
(v) Reliability: 118.06 Cr.
(vi) Reducing Carbon Footprint: 4.98Cr.

7.0 ACTION PLAN OF THE DISCOM:

Action Plan of the DISCOM to complete communicable metering of Feeders, Smart Metering on DTs and Consumers:

In order to revive feeder and DT metering, 100% 33KV (at OPTCL GSS), 11KV feeder metering and 8202 No. of DT metering (>=100kVA) have been already done and Approx. 9500 No' of DT Metering (63kVA) is being targeted to be completed by the end of FY 23-24.

TPNODL has also taken an E-Watch Read IT solution for monitoring the Real Time Data of 33kV & 11kV Feeder Meters and developed its own solution MDM to manage Smart Metering Billing and Load Survey data.

The consumer smart meter installation is in ongoing process, TPNODL have strengthened the system to liquidate all the pendency in FY 2023-24.

Metering Details	Count FY21-22	Count FY22-23	Plan FY23-24
33kV Feeder Metering (Emanating From GSS)	108	115	-
11kV Feeder Metering	825	853	-
DTR Smart Metering (11/.4) KV (100kVA & above)	2883	8202	-
DTR Smart Metering (11/.4) KV (63kVA)	-	-	9500

Action Plan and Loss Reduction measures implemented by TPNODL in his service area

Theme -1: Mitigation of Overloading of Power Transformers

Theme -3: Length Reduction of Long 33 kV Feeders

S.No.	Name of Circle	Nos of Feeders	Feeders>50kms	Mitigation Plan Proposed	Remarks
1	Balasore	26	1	1	1. New link line from Agarpada GSS to Kupari PSS Proposed in ODSSP-IV Scheme for mitigation of Khaira feeder.
2	Bhadrak	10	2	2	1. Proposal of Basudevpur feeder considered in Capex FY 22-23 from Balimunda GSS. (Line construction complete, charging subject to GSS commissioning) * 2. Chandabali GSS to Dhamra PSS Line under ODSSP - IV Scheme.
3	Baripada	19	3	3	1. New 7.5 kms line proposal from Karanjia GSS to Saharpada PSS for Karanjia feeder taken in Capex 22-23. (WIP)* 2. New line of 27.1 kms from Karanjia GSS to Joshipur PSS for Joshipur feeder taken. (Proposed under ODSSP-IV Scheme) * 3. Link line from Baripada GSS to Kalabadia PSS for New Bangiriposi feeder mitigation.
4	Jajpur	12	1	1	1. Link line Planned from New Duburi grid for Sukinda Feeder.

S.No.	Name of Circle	Nos of Feeders	Feeders>50kms	Mitigation Plan Proposed	Remarks
5	Keonjhar	21	3	3	1. New Link Line from Tikira GSS (Keonjhar No-1 feeder mitigation).
					2. New line from Telkoi GSS (Judia feeder mitigation).
					3. New line for bifurcation into 29 and 46 kms feeder respectively. (Remuli Fdr mitigation)

Further, TPNODL proposes Capital Expenditure of INR 452.8 Cr. For FY23-24 to carry out various activities under 6 major categories.

S. No.	Major Category	Activity	Amount in Cr.
1	Statutory & Safety	Fencing of Distribution Substations	11.55
		Boundary wall work at Primary Substations	10.73
		Life enhancement of network and maintaining safe horizontal / vertical clearances	8.43
		Yard Fencing with in PSS	0.98
		Fire Extinguisher & Water Hydrant System for Jajpur Store	2.09
		Fire wall for PTR **"6Mtr*8Mtr"**	1.14
		Defective cable replacement	10
		Shifting of O/H lines on safety ground on public request	4.34
		Intrusion system for theft prevention is store	0.15
Total (1)			**49.41**
2	Loss Reduction	Testing equipment for Meter, Meter Reading, HT/LT Accucheck& other material.	5.91
		Conversion of LT Bare conductor toAB Cable	43.35
		Meters and metering equipment for energy audit	2.83
		Equipment for AMR enablement of 3phase consumer meters	0.56
		Field Testing equipment (PTR testing, PQ analizer, Switch gear testing kit)	3.96
Total (2)			**56.61**
3	Reliability	Replacement/Addition of network component in 33/11kV Primary Substation	10.18
		11 KV Conductor up gradation	15.07
		Refurbishment of 11KV/0.415 KV Distribution Substation (DSS)	3.11

S. No.	Major Category	Activity
1	Statutory & Safety	Fencing of Distribution Substations
		Boundary wall work at Primary Substations
		Life enhancement of network and maintaining safe horizontal / vertical clearances
		Yard Fencing with in PSS
		Fire Extinguisher & Water Hydrant System for Jajpur Store
		Fire wall for PTR **"6Mtr*8Mtr"**
		Defective cable replacement
		Shifting of O/H lines on safety ground on public request
		Intrusion system for theft prevention is store
Total (1)		
2	Loss Reduction	Testing equipment for Meter, Meter Reading, HT/LT Accucheck& other material.
		Conversion of LT Bare conductor toAB Cable
		Meters and metering equipment for energy audit
		Equipment for AMR enablement of 3phase consumer meters
		Field Testing equipment (PTR testing, PQ analizer, Switch gear testing kit)
Total (2)		
3	Reliability	Replacement/Addition of network component in 33/11kV Primary Substation
		11 KV Conductor up gradation
		Refurbishment of 11KV/0.415 KV Distribution Substation (DSS)

S. No.	Major Category	Activity	Amount in Cr.
		Installation of LV protection at DSS	33.38
		Installation of Auto reclosure /Sectionalizers, RMUs	7.52
		Installation of FPIs for O/H Lines	1.86
		Installation of AB Switch, HG Fuse & LA for DTRs	25.47
		11 KV Voltage Regulators for voltage improvement	5.01
		Installation of Station Transformers(PPS)	0.72
		Procurement of spares and servicing for ODSSP & IPDS	1.45
		Earthing of Transformer	14.29
Total (3)			**118.06**
4	Network Optimisation & Load Growth	Augmentation of Power Transformer	2.60
		Augmentation of Distribution Transformer	24.57
		Addition of 11 kV Lines (O/H and U/G)	24.12
		Addition of 33 kV Overhead Lines(O/H and U/G)	9.80
		Addition of New PTR at PSS	5.08
		Addition New DTRs along with Associated HT/LT lines	17.37
		New 33/11kV PSS with Associated Lines	18.60
Total (4)			**102.14**
5	Technology and Civil Infrastructure	Security cameras, heavy-duty Racking system / Storage solutions for Jajpur store	1.5
		Civil Infrastructure (Office Buildings, PSS, Stores, Approach Roads, Record room, Cafeteria Canteen, MRT office, STS office, STS Lab and others)	29.68
		Office Administration	5.75
		Automation of Non-ODSSP & SCADA Interigation	12.00
		Bluetooth printer, cash drop box, RRG App	0.88
		Data Recovery (DR) for Hardware Equiment	16.82
		Data Center (DC) for Hardware Equiment	3.50
		End computing devices	0.75
		Cyber Security	7.70
		Communication	4.01
		SCADA-ADMS, Computing devices	10.10
		GIS Software Implementation and Land Base & Network Survey & Digitization for 9 Division	27.86
		Software and Application	0.75
		Drones and its licence	0.30
Total (5)			**121.60**
6	Reducing Carbon Footprint	Budget for Electric Scooter/Car	3.99
		Rooftop Solar System on office building (Solar Roof top system (Corp office , circle offices , Balasore Store)	0.99
Total (6)			**4.98**
Grand Total = 1+2+3+4+5+6			**452.80**

7.0.1 SUMMARY OF CRITICAL ANALYSIS BY ENERGY AUDITOR

- ✓ TPNODL has already completed 100% metering on their 33kV feeders emanating from GSS upto PSS and corresponding11kV Feeders. For the monitoring of real time data they have taken an E-watch read IT solution for the monitoring of 33kV & 11kV feeder real time data.

- ✓ Also, installed around 8202 Smart Meters on 100kVA and above capacity DTs which are directly monitored on company owned MDM Application. Further, TPNODL have planned to install Smart Meters on 63kVA and above DT capacity for the FY2024-25.

7.0.2 SUMMARY OF KEY FINDINGS – ENERGY BALANCE AND LOSSES

- TPNODL has purchased around 7047.17 MU of Energy from GRIDCO in FY 2023-24 and has billed around 5996.36 MU of energy to its various consumers. The unmetered / assessment energy during FY 23-24 is 2.23%, i.e. 133.73 MU.

- Increase in the Consumption of EHT Consumption from 2651.93 MU in FY 22-23 to 3115.16 MU in FY 23-24.

- The billed energy towards commercial/Industrial HT consumers is high about 53.57% and the detailed energy balance is presented below:

S No	Consumer Category	Billed Energy (MU)	% of energy consumption
1	Residential	1474.15	24.58%
2	Agricultural	59.40	0.99%
3	Commercial/Industrial-LT	498.20	8.31%
4	Commercial/Industrial-HT	3212.02	53.57%
5	Others	752.59	12.55%
Total		**5996.36**	**100.00%**

- The T&D loss in FY 23-24 (14.91%) is significantly reduced as compared to the T&D loss of FY 22-23 (16.43%) due to the loss reduction projects undertaken by TPNODL.

- Out of 16 divisions of TPNODL, the following 11 divisions are having more than the overall T&D loss of 14.91%. It is recommended to take additional steps to reduce the T&D loss of the following divisions

S No	Division Name	T&D Loss %
1	BTED, BASTA	41.57%
2	JED, JALESWAR	26.46%
3	SED, SORO	24.29%
4	BNED, BHADRAK (N)	23.15%
5	BSED, BHADRAK (S)	36.00%
6	BPED, BARIPADA	27.94%
7	UED, UDALA	28.83%
8	RED, RAIRANGPUR	27.10%
9	JTED, JAJPUR TOWN	26.01%
10	KUED, KUAKHIA	31.52%
11	AED, ANANDAPUR	31.44%

- There is a significant reduction in number of Interruptions in 33 kV and 11 kV Feeders in FY 23-24. This shows the commitment of TPNODL towards the reliability of the electricity supply to the consumers.

Quality of Supply			
Financial Year	**FY2021-22**	**FY2022-23**	**FY2023-24**
No of interruptions in 33 KV feeders	16750	11571	11423
No of interruptions in 11 KV feeders	339516	288140	331251

7.0.3 RECOMMENDATIONS AND BEST PRACTICES – ENERGY ACCOUNTING, LOSS REDUCTION, AND ENERGY CONSERVATION

RECOMMENDATIONS

- 33 kV System Loss should be estimated as the difference of sending end energy from the 220 / 132 / 33 kV Grid Sub-Station and receiving end energy of Primary Substation including energy sent out to Bulk consumers at 33 kV level.
- 33 kV Loss should be computed considering one month consumption by taking meter reading of all the incoming 33 kV feeders of Primary Sub-Station including bulk 33 kV consumer and related 33 kV outgoing feeders of Grid Sub-Station.
- 33 kV line loss = Σ(33 kV O/G Feeder meter reading at GRID SUB-STATION - Σ(33 kV I/C meter reading at PRIMARY SUBSTATION + 33 kV I/C meter reading at HT Bulk))
- Computation of 33/11 kV transformer loss: Σ 33 kV I/C meter reading at primary Substation
- −Σ 11 kV O/G meter reading at primary Substation.

➢ **COMPUTATION OF 11 kV LOSS:**

Energy Loss of 11 kV feeders should be arrived at by the difference between the sending end energy i.e. 11 kV outgoing feeders of primary sub-station and energy recorded at LV side of DTR including Bulk consumer connected in the same 11 kV feeder.

11 kV Loss should be computed considering one month's energy consumption by taking the meter reading of the 11 kV feeder of Primary Substation and all the DTR meter reading connected in the same 11 kV feeder and bulk consumer connected in the same 11 kV feeder.

Thus the total 11 kV loss for this circle found out as

11 kV line loss = Σ(11 kV O/G Feeder meter reading at Primary Substation – Σ All DTRs'meter reading connected to that 11 kV feeder) – Σ 11 kV I/C meter reading at HT Bulk.

➢ **COMPUTATION OF LT LOSS:**

Energy Loss of LT feeders should be arrived at by the difference between the sending end energy i.e. Distribution Transformer (DTR) and Energy recorded at consumer meters of LT consumersconnected in the same DTR.

LT Loss should be computed considering one month's energy consumption by taking meterreading of DTR and the entire Consumers' meter reading connected to the same DTR.

Thus the total LT line loss for these circles is found out as

LT line loss = Σ (11/0.44 KV DTR meter reading – Σ All consumers' meter reading connected to that DTR)

- **COMPUTATION OF COMMERCIAL LOSS:**

Commercial Loss may be found out as

= AT&C Loss – Technical Loss

= {(1 – Billing Efficiency x Collection Efficiency) x 100} – (33 kV loss + 33/11 kV transformer loss) + (11 kV Line Loss + LT Line Loss)

The Billing efficiency, Collection Efficiency, Energy Billed and Energy to be collected from theTPNODL.

Technical Loss i.e.; 33 kV, 11 kV and LT Line Losses to be computed as mentioned above.

Hence Total amount of Commercial Loss has been arrived by deducting all other componentsfrom AT&C Loss.

RECOMMENDATIONS

a) Energy loss due to theft/ pilferage:

During field survey it was observed that there is some energy lost due to theft/ pilferage in the Power system. It needs to be prevented by checking periodically.

b) Defective meters:

Considerable percentage of defective meters is one of the reasons for provisional billing and consequential commercial losses in the TPNODL. Some energy meters installed at the consumer premises are found to be defective.

RECOMMENDATIONS

Technical loss recommendation

- Reduction in Transmission losses:
- Improvement in power factor
- Reconductoring of transmission line
- Conversion of single circuit to double circuit

Reduction of Transformer losses:

- Improvement of die electric strength of transformer oil
- Improvement of power factor
- Thermographs of primary/ secondary cable/ bus terminations
- Reduction of contact resistance of terminations
- Regular checking and replacement of silica gel

Reduction of Bus losses

- Visual inspection of bus for detection of any loose connections or oxidation
- Thermographs of bus section for thermal imaging to detect any hot spots/ joints
- Reduction in contact resistance by proper termination after cleaning & tightening of contacts

- Replacement of bus by that of higher cross section & of material of higher conductivity (Copper in place of Aluminum) if necessary.

7.0.4 ACTION PLAN FOR MONITORING AND REPORTING

TPNODL has already completed 100% metering on their 33kV feeders emanating from GSS upto PSS and corresponding 11kV Feeders. For the monitoring of real time data they have taken an E-watch read IT solution for the monitoring of their 33kV & 11kV feeder real time data.

They have also installed around 8200 Smart Meters on their 100kVA and above capacity DTs which is directly monitored on their company owned MDM Application.

Further, they have planned to install Smart Meters on 63kVA and above DT capacity for the FY2024-25.

7.0.5 ACTION PLAN FOR AUTOMATED ENERGY ACCOUNTING

TPNODL has developed an Energy Accounting Application named UDS where all the Energy Accounting related reports are automatically generated.

Further, TPNODL have also planned to integrate their MDM & E-Watch Read IT Application to the UDS Application for automatic fetching of the Feeder wise Input and Consumer Billed data to calculate feeder wise losses. Also, GIS based consumer mapping data will be automatically pushed to the UDS Application and timely updated on monthly basis for refinement of losses and accurate energy accounting.

8.0 DEMAND SIDE MANAGEMENT (DSM), ENERGY EFFICIENCY & CONSERVATION:

Demand Side Management (DSM) is applied to energy efficiency measures that would modify or reduce end-user's energy demand. It is basically the selection, planning and implementation of measures intended to have an influence on the demand either caused directly or indirectly by the utility's programs. Hon'ble OERC has framed Odisha Electricity Regulatory Commission (Demand Side Management) Regulations, 2011, based on which DISCOM has to prepare the action plan and take measures for implementation of DSM Regulations.

TPNODL has established a Distribution System Operations Control Centre i.e. (DSOCC) (ABT Cell) in its Head Office for management of load at 33KV and 11KV feeder level, so that it can adhere to allotted drawl schedule of SLDC.

Following DSM measures and energy conservation options are proposed to beimplemented in TPNODL.

Promoting the use of Energy Efficient Products:

It is proposed that TPNODL should promote Energy Efficient Lighting System (LED Bulbs, Tube lights and Energy Efficient Fans) in association with BEE / EESL / Private ESCO in its utility area. The availability of LED Bulbs, Tube Lights, BLDC Fans, IE3 Meters which are supposed to be distributed to consumers through BEE / EESL / Private ESCO as part of the Utility based Demand Side Management Program are not available in plenty. TPNODL may discuss with BEE / EESL / Private ESCO to open more outlets and increase the LED Lights, Super-Efficient AC and Fans Distribution.

Promoting the use of renewable energy (Solar) through facilitation:

Hon'ble Commission has notified Net Metering Scheme for Solar Roof Top Project in the consumer premises. TPNODL should popularize the scheme for LT consumers and provide prompt support and cooperation to the consumer for net metering agreement and solar project interconnection with DISCOM systems. Once Solar Interconnection happens at the LT systems,this will improve the voltage profile and reduce LT loss. Also the RPO of GRIDCO / DISCOM can be compiled which may reduce the BSP in future and will lead to financial savings for DISCOM. TPNODL should conduct more nos. of Consumer awareness programs on saving electricity, electricity wastage, power theft, using electricity during off peak hour, using star rated equipment.

Sensitization Program on kVAh Billing:

At present Hon'ble OERC has implemented kVAh billing for the HT/ EHT/ Commercial / MSME and Industrial consumers. In view of the kVAh billing, the consumer which are having low power factor are paying higher energy bills, still the awareness about kVAh billing is not there and consumers are operating with low Power Factors. TPNODL may carry out special drives forawareness and sensitization about kVAh billing. This may lead to more numbers of APFC installation and improvement in Power Factor and will lower the burden on the existing infrastructure. TPNODL may sign MoU with ESCO / AFPC installer under the Utility based Demand Side Management program so that APFC installer will assess the data base of Consumers with low power factor, take necessary action for installation of APFC Panels in consultation with Consumers directly.

Facilitating Industrial Energy Efficiency:

TPNODL can facilitate DSM measures in industrial segments by promoting use of energy efficient motors, pumps, compressors, capacitor bank, etc. TPNODL can coordinate and inform BEE / EESL
/ Private ESCO to provide the Industrial LED lighting Solution, Solution, IE3 Motors and Energy Efficient in ESCO / PMC model as per the provision of DSM Regulations. This will facilitate Demand Side Management in a long way.

8.0.1 ENERGY EFFICIENCY IN DEMAND SIDE MANAGEMENT

The purpose of Energy Efficiency and Demand Side Management should be to reduce the load during peak period and enhance load during the non-peak period.

DSM activity should be also carried out to protect the Environment and to win the trust of consumers. The DSM can be carried out at three levels: DISCOM level, consumer level and by usingtechnology like energy storage.

The DSM activities are to be initiated by DISCOM however need to be carried out by consumers. DISCOM can only manage a few DSM activities like voltage regulation and power factor regulation.

It is proposed that enough data are required to be generated by carrying out consumer load Research and third-party experts should be engaged.

DSM programs need skill about energy conservation and art of Communication with a consumer. It is better to engage Energy Manager/ Energy Auditors in a DSM cell.

Awareness program on DSM should be conducted. Based on the analysis of data and third- party survey report and action plan to be prepared for submission to Hon'ble OERC.

At the consumer level, the involvement of consumers is must for the success of demand side management. Awareness, Incentives, penalties and legislation are four main tools to involve consumers. The DSM scheme should be formulated based on these four tools.

Demand side Management requires high level of awareness in the Consumers hence it is recommended to conduct awareness programs to various category of consumers.

BEE introduced many initiatives to bring awareness among various categories of consumers about the importance of Demand side management and its importance and also funding non-profit organizations like APSECM, TSRECO etc to conduct programs on demand side management.

ZESPL came across a situation where Industries are offered lower rate of unit during use of electricity in night hours.

9.0 DETAILS OF VARIOUS SYSTEM IMPROVEMENT & LOSS REDUCTION PROJECT UNDERTAKEN BY TPNODL

The following table indicates the improvement in the performance of TPNODL

S.No.	Particulars	As on 31st March 2022	As on 31st March 2023	As on 31st March 2024
1	No. of Circles	5	5	5
2	No. of Divisions	16	16	16
3	No. of subdivisions	50	50	50
4	No. of Sections	159	159	159
5	No. of Special Police Stations	5	5	5
6	No. of Courts	1	1	1
	No. of consumers			
7	EHT	37	41	42
8	HT	614	659	748
9	LT	2,088,432	2,040,888	1953723
10	Total	2,089,083	2,041,588	1,954,513
	Network System			
11	Length of 33 KV Line (km.)	2895	3024	3226
12	Length of 11 KV Line (km.)	37591	40189	41108.4
13	Length of LT KV Line (km.)	66672	67486	68139.45
14	Length of conductor stolen (km.)	0.00	27	23
15	Cost involved (Cr.)	0.00	0.23	0.37
16	No. of 33 KV Group & Feeder Breakers Required	50	102	43
17	No. of 33 KV Group & Feeder Breakers Installed	173	71	48
18	No. of 11 KV Group & Feeder Breakers Required	70	147	62
19	No. of 11 KV Group & Feeder Breakers Installed	240	107	91
	Feeder Metering			
20	No. of 33 kV feeders (excluding GRIDCO interface)	98	108	115
21	No. of 33 KV feeder metering	98	108	115
22	No. of 11 KV feeders	797	825	853
23	No. of 11 KV feeder metering	545	825	853
24	No. of 33/11 KV transformers	524	550	564
25	No. of 33/11 KV transformers metering position	246	244	280
26	No. of distribution transformers (11/0.4 & 33/0.4 kv)	72323	74726	77688
27	No. of distribution transformer metering position	2208	2883	9063
28	MVA capacity of DTRs	2657	2787	2932
29	Energy audit carried out -33 KV	77	108	115
30	Energy audit carried out -11 KV	545	344	656
31	Energy audit carried out – No. of DTR's	455	471	3352

	Consumer Metering Position			
32	Total number of meters	2,010,760	1,999,017	1,950,535
33	No. of working meters	1,737,701	1,740,496	1,903,263
34	Percentage of working meters (%)	86%	87%	98%
35	New meters installed (3 ph)	4930	11213	26630
36	New meters installed (1 ph)	255855	391243	391935
37	No of 3 Phase consumers	34775	37152	45648
38	No of consumers with TOD benefit	1046	998	7979
39	No of consumers 10 KW load and above	12761	14329	15405
40	No of consumers AMR rating	9431	16743	83349
41	Total no of consumers	2089083	2041588	1954513
42	No of consumers added	80950	-47495	-87075
43	No of meters purchased	124310	431037	412,099
44	No of meters used for installation for new consumer and replacements for old consumers	260785	402456	479,726
45	Cost involved in purchase of meters (Rs. in Crs.)	9.08	55.11	72.84
46	Cost of meter rent collected (Rs. in Crs)	22.80	10.82	36.36
	Anti-Theft Measures			
47	No. of cases Finalized under Section 126 & 135	37893	36387	37775
48	Amount Finalised (Rs. Cr)	47.89	49.03	59.68
49	Amount accessed during filing of case (Rs. Cr)	64.37	67.38	77.02
50	No. of New connections given	113608	87701	103760
51	No of Connections Regularised	2011	694	521
52	Amount Collected (Cr)	21.65	37.60	40.11
53	No. of FIR Lodged	12	29	29
54	No of illegal consumers prosecuted/ Initiated in Court	12	9	3
55	Number of Disconnection made	67022	126935	235184
56	Revenue realized (Rs. Cr)	206.06	257.94	120.31

	Franchise Activity			
57	No of Micro-Franchises	211	301	307
58	No of Consumers Covered	184767	218583	219783
59	No of Macro- Franchises	0	0	0
60	No of Consumers Covered	0	0	0
61	No of Input based- franchises	0	0	0
62	No of consumers covered	0	0	0
63	Total no of consumers covered under franchise	184767	218583	219783
	Quality of Supply			
64	Failure of Power Transformers	27	8	10
65	No of Distribution transformers burnt	2533	2877	3333
66	Cost involved (Cr.)	4.41	3.03	7.09
67	No of interruptions in 33 KV feeders	16750	11571	11423
68	No of interruptions in 11 KV feeders	339516	288140	331251
69	No. of Grievances received through CHP	388	415	650
70	Disposed through CHP including Bijli Adalat	341	399	409
71	No of GRF orders received	241	358	365
72	Mo of GRF orders compiled	27	8	10
	System Improvement Works During Review Period			
73	Installation of New transformers (DTR)	0	128	103
74	Upgradation of Transformers (DTR)	21	147	186
75	Installation of Pillar Box	0	0	0
76	Length of AB cable Laid (KM)	29.84	337	325
77	Conversion of Single Phase to Three Phase Lines	0	12	20

The above table highlights the measures initiated by TPNODL to improve the performance of the Network and reduce the losses in the system.

The major achievements during 2023-24 are

(i) Installation of More number of Transformers
(ii) Upgradation of Capacity of Transformers
(iii) Reduction in number of Interruptions in 33 kV Feeders
(iv) Reduction in number of Interruptions in 11 kV Feeders
(v) Reduction in Failure of number of Power Transformers
(vi) Increase in number of three Phase meters newly installed
(vii) Increase in number of single Phase meters newly installed
(viii) Increase in Length of AB Cables Laid
(ix) Increase in number of EHT and HT Consumers
(x) Increase in the Consumption EHT Consumption from 2651.93 MU to 3115.16 MU

10.0 CONCLUSION

In line with Section 14(g) of the Energy Conservation (EC) Act, the Central Government has notified targets (in the form of Specific Energy Consumption) for Designated Consumers (DCs) on 26th October 2021 under the PAT cycle-VII. The baseline Distribution loss of TPNODL has been fixed as 18.74% for baseline year 2018-19 with baseline net input energy 5575.61MU. TPNODL has been directed to reduce its T&D Loss to 18.00 % in Target Year 2024-25. The T&D loss for the FY 2023-24 was 14.91% and TPNODL was successful in achieving the target set by BEE. Keeping in view of the present condition there is still scope for improvement in the network.

TPNODL Management has endeavored for continual improvement in its drive for achieving energy efficiency by adopting various energy saving measures with most energy efficient technology. Considering the trend in their energy performance, it is expected that TPNODL may get a target for further reduction of its T&D loss from its present level. Hence, TPNODL should focus to achieve the future target by adopting a strict energy conservation plan and energyefficiency measures.

Overall, the TPNODL management has a very progressive outlook and is open to ideas involving moderate to low investment, to improve the Energy Efficiency. Hence we feel TPNODL management needs to put best efforts to achieve Energy Conservation in future.

11.0 ANNEXURES: TO BE ACCOMPANIED WITH THE REPORT

11.0.1 INTRODUCTION OF VERIFICATION FIRM

The present annual energy audit is conducted in compliance with BEE (Manner and Intervals for Conduct of Energy Audit in electricity distribution companies), Regulations 2021 by **Zenith Energy Services (Private Limited).**

Name of Accredited Energy Auditor	: Sri R. Gopala Krishna
Accreditation No	: AEA-0123
Name of the firm	: M/s Zenith Energy Services Private Limited
Address	: Corporate office:301, Space and More,Gafoornagar,Near Durgam Cheruvu, Hyderabad-500081
Mobile	: 9177952654 / 8328415352
Email	: zenith@zenithenergy.com
Website	: www.zenithenergy.com
Registration No.	: Em AEA – 011

ENERGY IS LIFE
BEE
CONSERVE IT

BUREAU OF ENERGY EFFICIENCY

Examination Registration No. : EA-0432

Accreditation Registration No.: AEA-0123

Certificate of Accreditation

This is to certify that Mr./Ms. R Gopalakrishna having its trade/registered office at Hyderabad has been given accreditation as accredited energy auditor. The certificate shall be effective from 26th day of November 2013.

The certificate is subject to the provisions of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their List) Regulations, 2010.

This certificate shall be valid until it is cancelled under regulation 9 of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their List) Regulations, 2010

On cancellation, the certificate of accreditation shall be surrendered to the Bureau within fifteen days from the date of receipt of order of cancellation.

Your name has been entered at AEA No. 0123 in the register of list of accredited energy auditors. Your name shall be liable to be struck out on the grounds specified in regulation 8 of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their List) Regulations, 2010.

Given under the seal of the Bureau of Energy Efficiency, Ministry of Power, this 26th day of May 2014.

Secretary,
Bureau of Energy Efficiency
New Delhi

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11.0.2 MINUTES OF MEETING WITH THE DISCOM TEAM

Minutes of Meeting between TPNODL and Zenith Energy Services Private Limited

1. A meeting was held between TPNODL and Zenith Energy on June 25, 2024, to finalize the energy accounting and report for FY 2023-24.
2. Zenith Energy reviewed the pro-forma prepared by TPNODL and inquired in detail about each entry.
3. TPNODL explained the various entries made at each circle, division, and subdivision levels.
4. Zenith Energy requested that TPNODL provide the procedure followed to evaluate the unit rate of IP sets (unmetered connections). Additionally, TPNODL should provide the procedures followed for evaluating the unit rate for agricultural pumps, along with sample calculations.
5. Upon request, TPNODL provided data on the Retail Tariff Supply Rate of Consumers applicable during FY 2023-24.
6. TPNODL clarified that the report is being prepared based on the data. In case any issues are pointed out by BEE, corrections in the report will be made by Zenith Energy based on the final approval data. Zenith Energy accepted this responsibility.
7. Regular fortnightly meetings are conducted between TPNODL and Zenith Energy for audit-related tasks and progress.

TPNODL Team Members	Signatures	Zenith Energy Services Private Limited.	Signatures
Mr. Swagat Mukherjee (HoG-Energy Audit)		Mr. R. Gopala Krishna	
Mr. Rahul Shukla Team Lead-Energy Audit		Mr. D S R Krishna	
Mr. Sudeep Moharana Team Lead-Energy Audit		Mr. R. Veera Swamy	
		Mr. P. Mahesh Kumar	

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11.0.3 CHECK LIST PREPARED BY AUDITING FIRM

List of documents required are:

- Month Wise input and billed energy along with BSP Bills
- T&D losses computation approach
- Un-metered energy consumption approach
- Performance of DISCOM on distribution losses
- Measures taken to reduce losses and improve system efficiency
- Zone/Circle/Division/Sub-Division wise loss computation
- Reduction achieved; measures adopted for energy conservation
- Report on distribution losses
- List of measuring equipment and calibration certificates and frequency of calibration.
- Write up on energy scenario
- Generation via solar, DG and any other source and share of energy consumption
- Net Input Energy Computation Details
- Category wise Consumers details
- Category wise consumers connected load and % load.
- Bifurcation of billed Energy (metered billed energy and Un-metered billed energy)
- Disconnected Consumers details
- Load Analysis Report.
- Write up on procedure followed technical loss analysis.
- Quarterly Energy accounting reports submitted to BEE
- OERC Report on performance of DISCOMs during 2023-24
- Independent auditor's report on the financial performance of TPNODL during 2023-24
- Sample test certificates of meters valid for 2023-24

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11.0.4 BRIEF APPROACH, SCOPE & METHODOLOGY FOR AUDIT

The methodology adopted for conducting the Annual Energy Audit is as follows:

- Verification of existing pattern of energy distribution across periphery of Electricity Distribution Company
- Verification of accounted energy flow submitted by electricity Distribution Company at all applicable voltage levels of the distribution network
- Collection of data on energy received, and distributed, covered within the scope of energy audit
- Analyze the consistency of data monitoring compared to the collected data
- Recommendations to facilitate energy accounting and improve energy efficiency
- Analyze the data with respect to the purpose of energy accounting in reducing losses for the electricity distribution company
- Field visit to various Sub-stations and taking photographs of energy meters installed at various feeders. Verification of log sheets in the sub stations and matching of the data. Collection of MRI dumps of the respective energy meters
- Verification of modifications/improvements made by TPNODL to reduce energy losses and improve the system performance
- Interaction with field staff to understand their concept about energy losses and their contribution to reduce the losses in their own perspective
- Detailed discussions with energy audit team and share the experiences of other DISCOMs where the losses are minimum
- Verification and collection of calibration reports of Energy meters and their thorough Examination
- Detailed discussions with energy audit team and higher management about installation of communicable energy meters in Distribution Transformers and its importance
- Selection of particular very high loss area from the data and detailed discussion on measured taken and measures proposed to be taken to reduce losses in that area
- Verification of Energy Input to Output Balance for selected circles/feeders
- Preparation of draft report and submission of the same to TPNODL
- Replies to the issues raised by TPNODL on the draft report
- Submission of the Final report

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11.0.5 POWER PURCHASE DETAILS:

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7673L
GSTIN-21AAACO7673L1Z6

Provisional Monthly Transmission Charges Invoice
For TPNODL
April-2023

Invoice No: TRANS/TPNODL/Cur/April-2023

Date 04-May-2023
Pay By Date: 02-Jun-2023

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Janugani, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	713.508234	MU
	Station Consumption	0.353372	MU
	Injection by 11kV and 33kV Generators	1.119733	MU
	Open Access Energy	89.231756	MU
B	Energy to be billed towards Transmission charges	622.803373	MU

ITEM NO	PARTICULARS	AMOUNT	AMOUNT
A	Transmission Charges		
	Transmission charges @ 24.00P/kWh		14,94,72,810.00
B	Adjustment for past bills		
C	Total current charges(A+B)		14,94,72,810.00
D	Delayed payment Surcharged Accrued		-
E	Previous amount outstanding		
	i Outstanding Transmission Charges	16,31,89,952.00	
	ii Outstanding DPS	0	
	Total of previous amount outstanding (i+ii)		16,31,89,952.00
F	Less payment received during the month		
	i Amount received towards last month bill	15,66,62,354.00	
	ii Rebate allowed on that bill	32,83,799.00	
	iii Collection towards arrears		
	iv Collection towards TDS	32,83,799.00	
	Total of payment received during the month		16,31,89,952.00
G	Total amount claimed through this bill (C+D+E-F)		14,94,72,810.00
	Rupees Fourteen Crore Ninety Four Lakh Seventy Two Thousand Eight Hundred Ten Only		
H	Rebate on Payment of Current Charges		
	i Payable with 2% Rebate on or before 06-05-2023		14,64,83,354.00
	ii Payable with 1% Rebate on or before 02-06-2023		14,79,78,082.00
	iii Payable without Rebate after with DPS 02-06-2023		14,94,72,810.00

For and on behalf of OPTCL

DGM(F),RT&C 9/5/23

AGM(E)-II,RT&C 04.05.2023

Sr.GM (RT&C) 4/5/2023

1. Pay by Date 30 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.76 of 2022 approving Transmission Tariff for FY 2023-24.
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

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GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960

Bill of Supply
For TPNODL
April-2023

GRIDCO GSTIN:21AABCG5398P3Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/ 167

Date: 04-May-23
Pay By Date: 03-Jun-23

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Janugang, Balasore, Odisha

GSTIN: 21AAICT5123C1ZX

A. Total Energy for the month	623.923105 MU
B. SMD approved by OERC	12,80,000 kVA
SMD permitted by OERC	14,08,000 kVA
Actual SMD occurred	12,16,321 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	2,09,01,42,402.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		2,09,01,42,402.00
2	Debit/Credit Bills:		
	a) Debit/Credit Bills for the months from Apr-2021 to Mar-2022 vide Bill Nos GR/BS/23-24/ 60 to 71 Dtd.02.05.2023	86,72,602.00	
	b) Debit/Credit Bills for the months from Apr-2022 to Jan-2023 vide Bill Nos GR/BS/23-24/ 72 to 81 Dtd.02.05.2023	(71,71,841.00)	
	Sub Total: (a+b)		15,00,761.00
3	Total Current Charges: Items (1+2)		2,09,16,43,163.00
4	Add Delayed Payment Surcharge for the month of Apr-2023 (Annex-5)		-
5	Add: Previous amount outstanding :-		
	(i) Outstanding energy charges	2,48,09,06,947.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		2,48,09,06,947.00
6	Less payment received during the month		
	(a) Amount received against Feb'23 bill	1,59,16,59,416.00	
	(b) Rebate allowed for Feb'23 bill	1,60,93,625.00	
	(c) Amount against TDS on Feb'23 Bill	16,09,362.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(1,60,93,62,403.00)
7	Total amount claimed through this bill: items (3 to 6)		3,96,31,86,807.00
	(Rounded off to the nearest Rupee)		3,96,31,86,807.00

(Rupees three hundred ninety six crore thirty one lakh eighty six thousand eight hundred seven only)

Checked by
DGM(F), PP

AGM (EBC)

For & on behalf of GRIDCO
GM (T&BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 482 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.476 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures -**

Annexure 1	Energy Flow Statement	Annexure 2	Station Consumption statement
Annexure 3	Open Access Statements	Annexure 4	Energy Accounting Statement of SLDC
Annexure 5	Delayed Payment Surcharge	Annexure 6	Rebate Statement
Annexure 7	Billing Consideration Statement	Annexure 8	Billing Information Statement

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z6

Provisional Monthly Transmission Charges Invoice
For TPNODL
May-2023

Invoice No: TRANS/TPNODL/Cur/May-2023

Date 05-Jun-2023
Pay 04-Jul-2023

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Janugan, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	746.976550	MU
	Station Consumption	0.391459	MU
	Injection by 11kV and 33kV Generators	0.116609	MU
	Open Access Energy	106.795797	MU
B	Energy to be billed towards Transmission charges	639.672715	MU

ITEM NO	PARTICULARS		AMOUNT	AMOUNT
A	**Transmission Charges**			
	Transmission charges @ 24.00P/kWh			15,35,21,452.00
B	**Adjustment for past bills**			
C	**Total current charges(A+B)**			15,35,21,452.00
D	**Delayed payment Surcharged Accrued**			-
E	**Previous amount outstanding**			
	i Outstanding Transmission Charges		14,94,72,810.00	
	ii Outstanding DPS		0	
	Total of previous amount outstanding (i+ii)			14,94,72,810.00
F	**Less payment received during the month**			
	i Amount received towards last month bill		14,34,93,898.00	
	ii Rebate allowed on that bill		29,89,456.00	
	iii Collection towards arrears			
	iv Collection towards TDS		29,89,456.00	
	Total of payment received during the month			14,94,72,810.00
G	**Total amount claimed through this bill (C+D+E-F)**			15,35,21,452.00
	Rupees Fifteen Crore Thirty Five Lakh Twenty One Thousand Four Hundred Fifty Two Only			
H	**Rebate on Payment of Current Charges**			
	i Payable with 2% Rebate on or before	07-06-2023		15,04,51,023.00
	ii Payable with 1% Rebate on or before	04-07-2023		15,19,86,237.00
	iii Payable without Rebate after with DPS	04-07-2023		15,35,21,452.00

For and on behalf of

DGM(F),RT&C

AGM(E)-I,RT&C

Sr.GM (RT&C)

NOTE:

1. **Pay by Date.30 days from the date of issuance of this bill** as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.78 of 2022 approving Transmission Tariff for FY 2023-24.
3. This Invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

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GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960
Bill of Supply(Provisional)
For TPNODL
May-2023

GRIDCO GSTIN:21AABCG5398P3Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/ 131

Date: 03-Jun-23
Pay By Date: 03-Jul-23

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Janugan, Balasore, Odisha
GSTIN: 21AAICT5123C1ZX

A. Total Energy for the month	639.788324 MU
B. SMD approved by OERC	12,80,000 kVA
SMD permitted by OERC	14,08,000 kVA
Actual SMD occurred	11,23,153 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	2,14,32,94,238.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		2,14,32,94,238.00
2	Debit/Credit Bills:		
	a) Debit Bills for the _____ vide Bill Nos _____ Dtd _____	0.00	
	Sub Total: (a+b)		0.00
3	Total Current Charges: Items (1+2)		2,14,32,94,238.00
4	Add Delayed Payment Surcharge for the month of May-2023 (Annex-6)		-
5	Add: Previous amount outstanding :-		
	(i) Outstanding energy charges	3,96,31,86,807.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		3,96,31,86,807.00
6	Less payment received during the month		
	(a) Amount received against Mar'23 bill	1,85,09,86,664.00	
	(b) Rebate allowed for Mar'23 bill	1,87,15,436.00	
	(c) Amount against TDS on Mar'23 Bill	18,71,844.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(1,87,15,43,644.00)
7	Total amount claimed through this bill: Items (3 to 6)		4,23,49,37,398.00
	(Rounded off to the nearest Rupee)		4,23,49,37,398.00

(Rupees four hundred twenty three crore forty nine lakh thirty seven thousand three hundred ninety eight only)

Checked by

DGM(F), PP

AGM (EBC)

For & on behalf of GRIDCO

DM (T&BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No.78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 482 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.475 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/taxes/cess etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures -**

Annexure 1	Energy Flow Statement	**Annexure 2**	Station Consumption statement
Annexure 3	Open Access Statements	**Annexure 4**	Energy Accounting Statement of SLDC
Annexure 5	Delayed Payment Surcharge	**Annexure 6**	Rebate Statement
Annexure 7	Billing Consideration Statement	**Annexure 8**	Billing Information Statement

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ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z6

Provisional Monthly Transmission Charges Invoice
For TPNODL
June-2023

Invoice No: TRANS/TPNODL/Cur/June-2023

Date 05-Jul-2023
Pay By Date: 03-Aug-2023

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Januganj, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	751.327552	MU
	Station Consumption	0.401398	MU
	Injection by 11kV and 33kV Generators	1.245879	MU
	Open Access Energy	107.056835	MU
B	Energy to be billed towards Transmission charges	642.623440	MU

ITEM NO	PARTICULARS	AMOUNT	AMOUNT
A	**Transmission Charges**		
	Transmission charges @ 24.00P/kWh		15,42,29,626.00
B	**Adjustment for past bills**		
C	**Total current charges(A+B)**		15,42,29,626.00
D	**Delayed payment Surcharged Accrued**		
E	**Previous amount outstanding**		
	i Outstanding Transmission Charges	15,35,21,452.00	
	ii Outstanding DPS	0	
	Total of previous amount outstanding (i+ii)		15,35,21,452.00
F	**Less payment received during the month**		
	i Amount received towards last month bill		
	ii Rebate allowed on that bill	14,73,90,594.00	
	iii Collection towards arrears	30,70,429.00	
	iv Collection towards TDS		
	Total of payment received during the month	30,70,429.00	
			15,35,21,452.00
G	**Total amount claimed through this bill (C+D+E-F)**		15,42,29,626.00
	Rupees Fifteen Crore Forty Two Lakh Twenty Nine Thousand Six Hundred Twenty Six Only		
H	**Rebate on Payment of Current Charges**		
	i Payable with 2% Rebate on or before 07-Jul-2023		15,11,45,033.00
	ii Payable with 1% Rebate on or before 03-Aug-2023		15,26,87,330.00
	iii Payable without Rebate after with DPS 03-Aug-2023		15,42,29,626.00

For and on behalf of OPTCL

DGM(F),RT&C 5/7/23

DGM(El),RT&C 5.7.2023

Sr.GM (RT&C) 15.07.23

1. Pay by Date:30 days from the date of issuance of this bill as per the OERC (

v

G R I D C O Limited

Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960

Bill of Supply(Provisional)

For TPNODL
June-2023

GRIDCO GSTIN:21AABCG8398P3Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/188

Date: 04-Jul-23
Pay By Date: 03-Aug-23

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Janugan, Balasore, Odisha
GSTIN: 21AAICT5123C1ZX

A. Total Energy for the month	643.867833	MU
B. SMD approved by OERC	12,80,000	kVA
SMD permitted by OERC	14,08,000	kVA
Actual SMD occurred	12,67,195	kVA
Excess SMD drawal	0	kVA

Item No			Amount (Rs.)
1	**Current Charges:**		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	2,15,69,57,241.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		2,15,69,57,241.00
2	**Debit/Credit Bills:**		
	a) Debit Bills for the _____ vide Bill Nos._____ Dtd._____	0.00	
	Sub Total: (a+b)		0.00
3	**Total Current Charges: Items (1+2)**		2,15,69,57,241.00
4	**Add Delayed Payment Surcharge for the month of Jun-2023 (Annex-5)**		-
5	**Add: Previous amount outstanding :-**		
	(i) Outstanding energy charges	4,23,49,37,398.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		4,23,49,37,398.00
6	**Less payment received during the month**		
	(a) Amount received against Apr'23 bill	2,06,86,35,088.00	
	(b) Rebate allowed for Apr'23 bill	2,09,16,432.00	
	(c) Amount against TDS on Apr'23 Bill	20,91,643.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(2,09,16,43,163.00)
7	**Total amount claimed through this bill: items (3 to 6)**		4,30,02,81,476.00
	(Rounded off to the nearest Rupee)		4,30,02,81,476.00

(Rupees four hundred thirty crore two lakh fifty one thousand four hundred seventy six only)

Checked by

DGM(F), PP

DGM (EBC)

For & on behalf of GRIDCO

Sr.GM (T&BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 482 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.476 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures -**

Annexure 1	Energy Flow Statement	**Annexure 2**	Station Consumption statement
Annexure 3	Open Access Statements	**Annexure 4**	Main/Check Comparsom of Solar Plant
Annexure 5	Energy Accounting Statement of SLDC	**Annexure 6**	Delayed Payment Surcharge
Annexure 7	Rebate Statement	**Annexure 8**	Billing Consideration Statement

v

OPTCL

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z6
Provisional Monthly Transmission Charges Invoice
For TPNODL
July-2023

Invoice No: TRANS/TPNODL/Cur/July-2023

Date 04-Aug-2023
Pay By Date: 02-Sep-2023

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Janugan, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	766.747597	MU
	Station Consumption	0.379713	MU
	Injection by 11kV and 33kV Generators	2.050346	MU
	Open Access Energy	100.629446	MU
B	Energy to be billed towards Transmission charges	863.693092	MU

ITEM NO	PARTICULARS	AMOUNT	AMOUNT
A	**Transmission Charges**		
	Transmission charges @ 24.00P/kWh		15,92,86,342.00
B	**Adjustment for past bills**		
C	**Total current charges(A+B)**		15,92,86,342.00
D	**Delayed payment Surcharged Accrued**		
E	**Previous amount outstanding**		
i	Outstanding Transmission Charges	15,42,29,826.00	
ii	Outstanding DPS	0	
	Total of previous amount outstanding (i+ii)		15,42,29,826.00
F	**Less payment received during the month**		
i	Amount received towards last month bill	14,60,80,440.00	
ii	Rebate allowed on that bill	30,84,693.00	
iii	Collection towards arrears		
iv	Collection towards TDS	30,84,693.00	
	Total of payment received during the month		15,42,29,826.00
G	**Total amount claimed through this bill (C+D+E-F)**		**15,92,86,342.00**
	Rupees Fifteen Crore Ninety Two Lakh Eighty Six Thousand Three Hundred Forty Two Only		
H	**Rebate on Payment of Current Charges**		
i	Payable with 2% Rebate on or before 07-Aug-2023		15,61,00,615.00
ii	Payable with 1% Rebate on or before 02-Sep-2023		15,76,93,479.00
iii	Payable without Rebate after with DPS 02-Sep-2023		15,92,86,342.00

For and on behalf of OPTCL

DGM(F),RT&C

DGM(E),RT&C

Sr.GM (RT&C)

1. Pay by Date:30 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.76 of 2022 approving Transmission Tariff for FY 2023-24
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (Seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003990
Bill of Supply(Provisional)
For TPNODL
July-2023

GRIDCO GSTIN:21AABCG5398F1Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/ 253

Date: 04-Aug-23
Pay By Date: 03-Sep-23

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Jamuganj, Balasore, Odisha
GSTIN: 21AAICT8123C1ZX

A. Total Energy for the month	848.742107 MU
B. SMD approved by OERC	12,80,000 kVA
SMD permitted by OERC	14,08,000 kVA
Actual SMD occurred	12,67,988 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	2,23,02,36,058.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		2,23,02,36,058.00
2	Debit/Credit Bills:		
	a) Debit Bills for the _____ vide Bill Nos _____ Dtd _____	0.00	
	Sub Total: (a+b)		0.00
3	**Total Current Charges: Items (1+2)**		2,23,02,36,058.00
4	**Add Delayed Payment Surcharge for the month of Jul-2023 (Annex-6)**		-
5	**Add: Previous amount outstanding :-**		
	(i) Outstanding energy charges	4,30,02,91,475.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		4,30,02,91,475.00
6	**Less payment received during the month**		
	(a) Amount received against May'23 bill	2,11,97,17,999.00	
	(b) Rebate allowed for May'23 bill	2,14,32,942.00	
	(c) Amount against TDS on May'23 Bill	21,43,294.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(2,14,32,94,235.00)
7	**Total amount claimed through this bill: Items (3 to 6)**		4,38,71,93,299.00
	(Rounded off to the nearest Rupee)		4,38,71,93,299.00

(Rupees four hundred thirty eight crore seventy one lakh ninety three thousand two hundred ninety nine only)

Checked by

OGM(F), PP

DGM (EDC)

For & on behalf of GRIDCO

Sr.GM (T&BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 452 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.478 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/taxes/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards this billing will be taken into account.
7. **Details of the Annexures -**

Annexure 1	Energy Flow Statement	Annexure 2	Station Consumption statement
Annexure 3	Open Access Statements	Annexure 4	Main/Check Comparisom of Solar Plant
Annexure 5	Energy Accounting Statement of SLDC	Annexure 6	Delayed Payment Surcharge
Annexure 7	Rebate Statement	Annexure 8	Billing Consideration Statement
Annexure 9	Billing Information Statement		

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ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z9

Provisional Monthly Transmission Charges Invoice
For TPNODL
August-2023

Invoice No: TRANS/TPNODL/Cur/August-2023

Date: 07-Sep-2023
Pay By Date: 06-Oct-2023

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Janugan, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	730.180420	MU
	Station Consumption	0.352727	MU
	Injection by 11kV and 33kV Generators	1.870913	MU
	Open Access Energy	82.296390	MU
B	Energy to be billed towards Transmission charges	645.502390	MU

ITEM NO	PARTICULARS	AMOUNT	AMOUNT
A	**Transmission Charges**		
	Transmission charges @ 24.00P/kWh		15,49,58,974.00
B	**Adjustment for past bills**		
C	**Total current charges(A+B)**		15,49,58,974.00
D	**Delayed payment Surcharged Accrued**		
E	**Previous amount outstanding**		
	i Outstanding Transmission Charges	15,32,66,342.00	
	ii Outstanding DPS	0	
	Total of previous amount outstanding (i+ii)		15,32,66,342.00
F	**Less payment received during the month**		
	i Amount received towards last month bill	15,29,14,868.00	
	ii Rebate allowed on that bill	31,66,727.00	
	iii Collection towards arrears		
	iv Collection towards TDS	31,66,727.00	
	Total of payment received during the month		15,32,66,342.00
G	**Total amount claimed through this bill (C+D+E-F)**		15,49,58,974.00
	Rupees Fifteen Crore Forty Nine Lakh Fifty Eight Thousand Nine Hundred Seventy Four Only		
H	**Rebate on Payment of Current Charges**		
	i Payable with 2% Rebate on or before 11-Aug-2023		15,18,59,795.00
	ii Payable with 1% Rebate on or before 06-Oct-2023		15,34,09,384.00
	iii Payable without Rebate after(with DPS) 06-Oct-2023		15,49,58,974.00

For and on behalf of OPTCL

DGM(F),RT&C | DGM(E),RT&C | Sr.GM (RT&C)

1. Pay by Date:30 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.76 of 2022 approving Transmission Tariff for FY 2023-24.
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR19955GC003960

Bill of Supply(Provisional)

For TPNODL
August-2023

GRIDCO GSTIN:21AABCG8396P3Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/ 304

Date: 06-Sep-23
Pay By Date: 06-Oct-23

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Janugan], Balasore, Odisha
GSTIN: 21AAICT8133C1ZX

A. Total Energy for the month	**647.539717 MU**
B. SMD approved by OERC	**12,80,000 kVA**
SMD permitted by OERC	**14,08,000 kVA**
Actual SMD occurred	**12,03,310 kVA**
Excess SMD drawal	**0 kVA**

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 336 Paise per kWh for the Energy	2,16,92,58,052.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		2,16,92,58,052.00
2	Debit/Credit Bills:		
	a) Debit Bills for the _____vide Bill Nos._____ Dtd_____	0.00	
	Sub Total: (a+b)		0.00
3	**Total Current Charges: Items (1+2)**		2,16,92,58,052.00
4	**Add Delayed Payment Surcharge for the month of Aug-2023 (Annex-6)**		-
5	**Add: Previous amount outstanding :-**		
	(i) Outstanding energy charges	4,38,71,93,299.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		4,38,71,93,299.00
6	**Less payment received during the month**		
	(a) Amount received against Jun'23 bill	2,13,32,30,712.00	
	(b) Rebate allowed for Jun'23 bill	2,15,69,672.00	
	(c) Amount against TDS on Jun'23 Bill	21,56,957.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(2,16,69,57,241.00)
7	**Total amount claimed through this bill: Items (3 to 6)**		4,39,94,94,110.00
	(Rounded off to the nearest Rupee)		4,39,94,94,110.00

(Rupees four hundred thirty nine crore ninety four lakh ninety four thousand one hundred ten only)

Checked by

DGM(F), PP

AGM (EBC)

For & on behalf of GRIDCO

Sr.GM (T&BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 482 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.478 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures -**

Annexure 1	Energy Flow Statement	**Annexure 2**	Station Consumption statement
Annexure 3	Open Access Statements	**Annexure 4**	Main/Check Comparison of Solar Plant
Annexure 5	Energy Accounting Statement of SLDC	**Annexure 6**	Delayed Payment Surcharge
Annexure 7	Rebate Statement	**Annexure 8**	Billing Consideration Statement
Annexure 9	Billing Information Statement		

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ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office: Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z6

Provisional Monthly Transmission Charges Invoice
For TPNODL
September-2023

Invoice No: TRANS/TPNODL/Curr/September-2023

Date :06-Oct-2023
Pay By Date: 04-Nov-2023

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Januganj, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	726.496118	MU
	Station Consumption	0.348007	MU
	Injection by 11kV and 33kV Generators	1.158044	MU
	Open Access Energy	101.366979	MU
B	Energy to be billed towards Transmission charges	623.423087	MU

ITEM NO	PARTICULARS	AMOUNT	AMOUNT
A	**Transmission Charges**		
	Transmission charges @ 24.00P/kWh		14,96,21,543.00
B	**Adjustment for past bills**		
C	**Total current charges(A+B)**		14,96,21,543.00
D	**Delayed payment Surcharged Accrued**		-
E	**Previous amount outstanding**		
i	Outstanding Transmission Charges	15,49,59,974.00	
ii	Outstanding DPS	0	
	Total of previous amount outstanding (i+ii)		15,49,59,974.00
F	**Less payment received during the month**		
i	Amount received towards last month bill	14,97,60,616.00	
ii	Rebate allowed on that bill	30,99,179.00	
iii	Collection towards arrears		
iv	Collection towards TDS	30,99,179.00	
	Total of payment received during the month		15,49,59,974.00
G	**Total amount claimed through this bill (C+D+E-F)**		14,96,21,543.00
	Rupees Fourteen Crore Ninety Six Lakh Twenty One Thousand Five Hundred Forty Three Only		
H	**Rebate on Payment of Current Charges**		
i	Payable with 2% Rebate on or before 09-Oct-2023		14,66,26,112.00
ii	Payable with 1% Rebate on or before 04-Nov-2023		14,81,25,328.00
iii	Payable without Rebate after with DPS 04-Nov-2023		14,96,21,543.00

For and on behalf of OPTCL

DGM(F),RT&C | DGM(E),RT&C | Sr.GM (RT&C)

1. Pay by Date 30 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.76 of 2022 approving Transmission Tariff for FY 2023-24.
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

v

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960

Bill of Supply(Provisional)

For **TPNODL**

September-2023

GRIDCO GSTIN:21AABCG5398P3Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/ 350

Date: 05-Oct-23
Pay By Date: 04-Nov-23

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Januganj, Balasore, Odisha

GSTIN: 21AAICT5123C1ZX

A. Total Energy for the month	624.579638 MU
B. SMD approved by OERC	12,80,000 kVA
SMD permitted by OERC	14,08,000 kVA
Actual SMD occurred	13,20,885 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	2,09,23,41,787.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		2,09,23,41,787.00
2	Debit/Credit Bills:		
	a) Debit Bills for the _____vide Bill Nos._____ Dtd_____	0.00	
	Sub Total: (a+b)		0.00
3	Total Current Charges: Items (1+2)		2,09,23,41,787.00
4	Add Delayed Payment Surcharge for the month of Sep-2023 (Annex-6)		-
5	Add: Previous amount outstanding :-		
	(i) Outstanding energy charges	4,39,94,94,110.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		4,39,94,94,110.00
6	Less payment received during the month		
	(a) Amount received against Jul'23 bill	2,20,97,03,461.00	
	(b) Rebate allowed for Jul'23 bill	2,23,02,361.00	
	(c) Amount against TDS on Jul'23 Bill	22,30,236.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(2,23,02,36,058.00)
7	**Total amount claimed through this bill: Items (3 to 6)**		4,26,15,99,839.00
	(Rounded off to the nearest Rupee)		4,26,15,99,839.00

(Rupees four hundred twenty six crore fifteen lakh ninety nine thousand eight hundred thirty nine only)

Checked by

DGM(F), PP

DGM (EBC)

For & on behalf of GRIDCO

Sr.GM (T&BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No.78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 482 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.478 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures -**

Annexure 1	Energy Flow Statement	**Annexure 2**	Station Consumption statement
Annexure 3	Open Access Statements	**Annexure 4**	Main/Check Comparison of Solar Plant
Annexure 5	Energy Accounting Statement of SLDC	**Annexure 6**	Delayed Payment Surcharge
Annexure 7	Rebate Statement	**Annexure 8**	Billing Consideration Statement
Annexure 9	Billing Information Statement		

v

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office: Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z6

Provisional Monthly Transmission Charges Invoice
For TPNODL
October-2023

Invoice No: TRANS/TPNODL/Cur/October-2023

Date: 04-Nov-2023
Pay By Date: 03-Dec-2023

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Januganj, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	729.196322	MU
	Station Consumption	0.355378	MU
	Injection by 11kV and 33kV Generators	1.958391	MU
	Open Access Energy	106.878427	MU
B	Energy to be billed towards Transmission charges	620.004126	MU

ITEM NO	PARTICULARS	AMOUNT	AMOUNT
A	**Transmission Charges**		
	Transmission charges @ 24.00P/kWh		14,88,00,990.00
B	**Adjustment for past bills**		
C	**Total current charges(A+B)**		14,88,00,990.00
D	**Delayed payment Surcharged Accrued**		-
E	**Previous amount outstanding**		
	i Outstanding Transmission Charges		
	ii Outstanding DPS	14,96,21,543.00	
	Total of previous amount outstanding (i+ii)		14,96,21,543.00
F	**Less payment received during the month**		
	i Amount received towards last month bill		
	ii Rebate allowed on that bill	14,36,36,681.00	
	iii Collection towards arrears	29,82,431.00	
	iv Collection towards TDS		
		29,82,431.00	
	Total of payment received during the month		14,96,21,543.00
G	**Total amount claimed through this bill (C+D+E-F)**		14,88,00,990.00
	Rupees Fourteen Crore Eighty Eight Lakh Nine Hundred Ninety Only		
H	**Rebate on Payment of Current Charges**		
	i Payable with 2% Rebate on or before 07-Nov-2023		14,58,24,970.00
	ii Payable with 1% Rebate on or before 03-Dec-2023		14,73,12,980.00
	iii Payable without Rebate after with DPS 03-Dec-2023		14,88,00,990.00

For and on behalf of OPTCL

DGM(F),RT&C | DGM(E),RT&C | Sr.GM (RT&C)

1. Pay by Date:33 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.79 of 2022 approving Transmission Tariff for FY 2023-24.
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960
Bill of Supply(Provisional)
For TPNODL
October-2023

GRIDCO GSTIN:21AABCG5399P1Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/ 399

Date: 04-Nov-23
Pay By Date: 04-Dec-23

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Janugarj, Balasore, Odisha
GSTIN: 21AACTS1123C1ZX

A. Total Energy for the month	621.960911 MU
B. SMD approved by OERC	12,60,000 kVA
SMD permitted by OERC	14,58,000 kVA
Actual SMD occurred	11,81,432 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 333 Paise per kWh for the Energy	2,08,35,69,062.00	
	(b) Excess Demand Charge @ Rs 200 per kVA	0.00	
	Sub Total: (a+b)		2,08,35,69,062.00
2	Debit/Credit Bills:		
	a) Debit Bills for the ____ vide Bill Nos ____ Dtd ____	0.00	
	Sub Total: (a+b)		0.00
3	Total Current Charges: Items (1+2)		2,08,35,69,062.00
4	Add Delayed Payment Surcharge for the month of Oct-2023 (Annex-6)		0.00
5	Add: Previous amount outstanding :-		
	(i) Outstanding energy charges	4,26,15,99,039.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		4,26,15,99,039.00
6	Less payment received during the month		
	(a) Amount received against Aug'23 bill	2,14,53,96,213.00	
	(b) Rebate allowed for Aug'23 bill	2,16,92,581.00	
	(c) Amount against TDS on Aug'23 bill	21,69,268.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(2,16,92,58,062.00)
7	Total amount claimed through this bill: Items (3 to 6)		4,17,99,10,039.00
	(Rounded off to the nearest Rupee)		4,17,99,10,039.00

(Rupees four hundred seventeen crore fifty nine lakh ten thousand eight hundred thirty nine only)

For & on behalf of GRIDCO

Checked by

DGM(F), PP

AGM (EBC)

DGM (EBC)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 482 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.479 & 488 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 493 & 494 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. Details of the Annexures -

Annexure 1	Energy Flow Statement	Annexure 2	Station Consumption statement
Annexure 3	Open Access Statements	Annexure 4	Main/Check Comparison of Solar Plant
Annexure 6	Energy Accounting Statement of SLDC	Annexure 5	Delayed Payment Surcharge
Annexure 7	Rebate Statement	Annexure 8	Billing Consideration Statement
Annexure 9	Billing information Statement		

v

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z5

Provisional Monthly Transmission Charges Invoice
For TPNODL
November-2023

Invoice No: TRANS/TPNODL/Cur/November-2023

Date: 05-Dec-2023
Pay By Date: 03-Jan-2024

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Januganj, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	611.096883	MU
	Station Consumption	0.284474	MU
	Injection by 11kV and 33kV Generators	1.872652	MU
	Open Access Energy	106.239658	MU
B	Energy to be billed towards Transmission charges	502.702099	MU

ITEM NO	PARTICULARS		AMOUNT	AMOUNT
A	Transmission Charges			
	Transmission charges @ 24.00P/kWh			12,06,48,504.00
B	Adjustment for past bills			
C	Total current charges(A+B)			12,06,48,504.00
D	Delayed payment Surcharged Accrued			
E	Previous amount outstanding			
	i Outstanding Transmission Charges		14,88,00,990.00	
	ii Outstanding DPS		0	
	Total of previous amount outstanding (i+ii)			14,88,00,990.00
F	Less payment received during the month			
	i Amount received towards last month bill		14,28,48,960.00	
	ii Rebate allowed on that bill		29,76,020.00	
	iii Collection towards arrears			
	iv Collection towards TDS		29,76,020.00	
	Total of payment received during the month			14,88,00,990.00
G	Total amount claimed through this bill (C+D+E-F)			12,06,48,504.00
	Rupees Twelve Crore Six Lakh Forty Eight Thousand Five Hundred Four Only			
H	Rebate on Payment of Current Charges			
	i Payable with 2% Rebate on or before	07-Dec-2023		11,82,35,534.00
	ii Payable with 1% Rebate on or before	03-Jan-2024		11,94,42,019.00
	iii Payable without Rebate after with DPS	03-Jan-2024		12,06,48,504.00

For and on behalf of OPTCL

DGM(F),RT&C

DGM(El),RT&C

Sr.GM (RT&C)

1. Pay by Date 30 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No 79 of 2022 approving Transmission Tariff for FY 2023-24.
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

v

GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960
Bill of Supply(Provisional)
For TPNODL
November-2023

GRIDCO GSTIN:21AABCG5398P1Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/ 4442

Date: 04-Dec-23
Pay By Date: 03-Jan-24

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Janugan[, Balasore, Odisha
GSTIN: 21AACTS1233C1ZX

A. Total Energy for the month	504.572140 MU
B. SMD approved by OERC	12,80,000 kVA
SMD permitted by OERC	14,08,000 kVA
Actual SMD occurred	10,44,514 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	1,69,03,20,019.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		1,69,03,20,019.00
2	Debit/Credit Bills:		
	a) Debit Bills for the ____mde Bill Nos.____ Dtd.____	0.00	
	Sub Total: (a+b)		0.00
3	Total Current Charges: Items (1+2)		1,69,03,20,019.00
4	Add Delayed Payment Surcharge for the month of Nov-2023 (Annex-6)		0.00
5	Add: Previous amount outstanding :-		
	(i) Outstanding energy charges	4,17,89,10,839.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		4,17,89,10,839.00
6	Less payment received during the month		
	(a) Amount received against Sep'23 bill	2,06,83,36,027.00	
	(b) Rebate allowed for Sep'23 bill	2,09,23,418.00	
	(c) Amount against TDS on Sep'23 Bill	20,92,342.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(2,09,23,41,787.00)
7	Total amount claimed through this bill: Items (3 to 6)		3,77,38,89,071.00
	(Rounded off to the nearest Rupee)		3,77,38,89,071.00

(Rupees three hundred seventy seven crore thirty eight lakh eighty nine thousand seventy one only)

Checked by:

DGM(F), PP

AGM (EBC)

For & on behalf of GRIDCO

DGM (EBC)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 462 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No 78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No 478 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No 78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures :-**

Annexure 1	Energy Flow Statement	Annexure 2	Station Consumption statement
Annexure 3	Open Access Statements	Annexure 4	Main/Check Comparisom of Solar Plant
Annexure 5	Energy Accounting Statement of SLDC	Annexure 6	Delayed Payment Surcharge
Annexure 7	Rebate Statement	Annexure 8	Billing Consideration Statement
Annexure 9	Billing information Statement		

v

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z8

Provisional Monthly Transmission Charges Invoice
For TPNODL
December-2023

Invoice No: TRANS/TPNODL/Curr/December-2023

Date 05-Jan-2024
Pay By Date: 03-Feb-2024

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Januganj, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	596.586873	MU
	Station Consumption	0.268893	MU
	Injection by 11kV and 33kV Generators	0.585855	MU
	Open Access Energy	119.282191	MU
B	Energy to be billed towards Transmission charges	476.049734	MU

ITEM NO	PARTICULARS	AMOUNT	AMOUNT
A	**Transmission Charges**		
	Transmission charges @ 24.00P/kWh		11,42,51,936.00
B	**Adjustment for past bills**		
C	**Total current charges(A+B)**		11,42,51,936.00
D	**Delayed payment Surcharged Accrued**		-
E	**Previous amount outstanding**		
	i Outstanding Transmission Charges	12,08,48,504.00	
	ii Outstanding DPS	0	
	Total of previous amount outstanding (i+ii)		12,08,48,504.00
F	**Less payment received during the month**		
	i Amount received towards last month bill	11,58,22,594.00	
	ii Rebate allowed on that bill	24,12,970.00	
	iii Collection towards arrears		
	iv Collection towards TDS	24,12,970.00	
	Total of payment received during the month		12,08,48,504.00
G	**Total amount claimed through this bill (C+D+E-F)**		**11,42,51,936.00**
	Rupees Eleven Crore Forty Two Lakh Fifty One Thousand Nine Hundred Thirty Six Only		
H	**Rebate on Payment of Current Charges**		
	i Payable with 2% Rebate on or before 08-Jan-2024		11,19,86,897.00
	ii Payable with 1% Rebate on or before 03-Feb-2024		11,31,09,417.00
	iii Payable without Rebate after with DPS 03-Feb-2024		11,42,51,936.00

For and on behalf of OPTCL

DGM(F),RT&C 5/1/24 | DGM(E)(RT&C | Sr.GM (RT&C) 05/1/24

1. Pay by Date 30 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.76 of 2022 approving Transmission Tariff for FY 2023-24.
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960
Bill of Supply(Provisional)
For TPNODL
December-2023

GRIDCO GSTIN:21AABCG8398P3Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/ 492

Date: 05-Jan-24
Pay By Date: 04-Feb-24

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Janugan, Balasore, Odisha
GSTIN: 21AAICT5123C1ZX

A. Total Energy for the month	477.033480 MU
B. SMD approved by OERC	12,80,000 kVA
SMD permitted by OERC	14,08,000 kVA
Actual SMD occurred	8,84,570 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	1,59,80,63,498.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		1,59,80,63,498.00
2	Debit/Credit Bills:		
	a) Credit Bills towards auxiliary Consumption by PGCIL Substations for FY-2017-18 vide Bill Nos.GR/BS/ 23-24/452 Dtd.21.12.2023	(11,07,195.00)	
	b) Credit Bills towards auxiliary Consumption by PGCIL Substations for FY-2018-19 vide Bill Nos.GR/BS/ 23-24/453 Dtd.21.12.2023	(33,19,585.00)	
	c) Credit Bills towards auxiliary Consumption by PGCIL Substations for FY-2019-20 vide Bill Nos.GR/BS/ 23-24/454 Dtd.21.12.2023	(32,21,348.00)	
	d) Credit Bills towards auxiliary Consumption by PGCIL Substations for FY-2020-21 vide Bill Nos.GR/BS/ 23-24/455 Dtd.21.12.2023	(37,31,768.00)	
	e) Credit Bills towards auxiliary Consumption by PGCIL Substations for FY-2021-22 (Apr-2021 to Aug-21) vide Bill Nos.GR/BS/ 23-24/478 Dtd.02.01.2024	(19,51,572.00)	
	Sub Total: (a+b+c+d+e)		(1,32,81,468.00)
3	Total Current Charges: Items (1+2)		1,58,48,82,032.00
4	Add Delayed Payment Surcharge for the month of Dec-2023 (Annex-6)		0.00
5	Add: Previous amount outstanding :-		
	(i) Outstanding energy charges	3,77,38,89,071.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		3,77,38,89,071.00
6	Less payment received during the month		
	(a) Amount received against Oct'23 bill	2,06,06,49,752.00	
	(b) Rebate allowed for Oct'23 bill	2,08,35,891.00	
	(c) Amount against TDS on Oct'23 Bill	20,83,569.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(2,09,35,69,052.00)
7	Total amount claimed through this bill: Items (3 to 6)		3,27,50,02,051.00
	(Rounded off to the nearest Rupee)		3,27,50,02,051.00

(Rupees three hundred twenty seven crore fifty lakh two thousand fifty one only)

Checked by

DGM(F), PP

DGM (EBC)

For & on behalf of GRIDCO

Sr.GM (T & BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 462 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No 78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No 478 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures :-**

Annexure 1	Energy Flow Statement	Annexure 2	Station Consumption statement
Annexure 3	Open Access Statements	Annexure 4	Main/Check Comparison of Solar Plant
Annexure 5	Energy Accounting Statement of SLDC	Annexure 6	Delayed Payment Surcharge
Annexure 7	Rebate Statement	Annexure 8	Billing Consideration Statement
Annexure 9	Billing Information Statement		

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z6
Provisional Monthly Transmission Charges Invoice
For TPNODL
January-2024

Invoice No: TRANS/TPNODL/Curr/January-2024

Date 05-Feb-2024
Pay By Date: 05-Mar-2024

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Januganj, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	635.579118	MU
	Station Consumption	0.271342	MU
	Injection by 11kV and 33kV Generators	0.541008	MU
	Open Access Energy	114.657751	MU
B	Energy to be billed towards Transmission charges	520.109017	MU

ITEM NO	PARTICULARS		AMOUNT	AMOUNT
A	Transmission Charges			
	Transmission charges @ 24.00P/kWh			12,48,26,164.00
B	Adjustment for past bills			
C	Total current charges(A+B)			12,48,26,164.00
D	Delayed payment Surcharged Accrued			
E	Previous amount outstanding			
i	Outstanding Transmission Charges		11,42,51,936.00	
ii	Outstanding DPS		0	
	Total of previous amount outstanding (i+ii)			11,42,51,936.00
F	Less payment received during the month			
i	Amount received towards last month bill		10,96,81,858.00	
ii	Rebate allowed on that bill		22,85,039.00	
iii	Collection towards arrears			
iv	Collection towards TDS		22,85,039.00	
	Total of payment received during the month			11,42,51,936.00
G	Total amount claimed through this bill (C+D+E-F)			12,48,26,164.00
	Rupees Twelve Crore Forty Eight Lakh Twenty Six Thousand One Hundred Sixty Four Only			
H	Rebate on Payment of Current Charges			
i	Payable with 2% Rebate on or before	07-Feb-2024		12,23,29,641.00
ii	Payable with 1% Rebate on or before	05-Mar-2024		12,35,77,902.00
iii	Payable without Rebate after with DPS	05-Mar-2024		12,48,26,164.00

For and on behalf of OPTCL

DGM(F),RT&C | DGM(E),RT&C | Sr.GM (RT&C) 05/2/24.

1. Pay by Date:30 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.76 of 2022 approving Transmission Tariff for FY 2023-24.
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960
Bill of Supply(Provisional)
For TPNODL
January-2024

GRIDCO GSTIN:21AABCG6398P1Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GRIDS/23-24/ 543

Date: 05-Feb-24
Pay By Date: 06-Mar-24

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Januganj, Balasore, Odisha
GSTIN: 21AACT5123C1ZX

A. Total Energy for the month	920.648327 MU
B. SMD approved by OERC	12,80,000 kVA
SMD permitted by OERC	14,08,000 kVA
Actual SMD occurred	9,65,170 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	1,74,41,71,895.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		1,74,41,71,895.00
2	Debit/Credit Bills:		
	a) Debit Bills for the _____vide Bill Nos._____ Dtd _____	0.00	
	Sub Total: (a+b)		0.00
3	Total Current Charges: Items (1+2)		1,74,41,71,895.00
4	Add Delayed Payment Surcharge for the month of Jan-2024 (Annex-6)		0.00
5	Add: Previous amount outstanding :-		
	(i) Outstanding energy charges	3,27,50,02,051.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		3,27,50,02,051.00
6	Less payment received during the month		
	(a) Amount received against Nov'23 bill	1,67,17,26,499.00	
	(b) Rebate allowed for Nov'23 bill	1,69,03,200.00	
	(c) Amount against TDS on Nov'23 Bill	16,90,320.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(1,69,03,30,019.00)
7	Total amount claimed through this bill: Items (3 to 6)		3,32,88,53,927.00
	(Rounded off to the nearest Rupee)		3,32,88,53,927.00

(Rupees three hundred thirty two crore eighty eight lakh fifty three thousand nine hundred twenty seven only)

Checked by

DGM(F), PP | DGM (EBC) | For & on behalf of GRIDCO Sr.GM (T & BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 482 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.476 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures -**

Annexure 1	Energy Flow Statement	**Annexure 2**	Station Consumption statement
Annexure 3	Open Access Statements	**Annexure 4**	Main/Check Comparison of Solar Plant
Annexure 5	Energy Accounting Statement of SLDC	**Annexure 6**	Delayed Payment Surcharge
Annexure 7	Rebate Statement	**Annexure 8**	Billing Consideration Statement
Annexure 9	Billing information Statement		

v

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z6
Provisional Monthly Transmission Charges Invoice
For TPNODL
February-2024

Invoice No: TRANS/TPNODL/Curr/February-2024

Date 06-Mar-2024
Pay By Date: 04-Apr-2024

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Janugarj, Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	603.827814	MU
	Station Consumption	0.275131	MU
	Injection by 11kV and 33kV Generators	1.686402	MU
	Open Access Energy	102.186392	MU
B	Energy to be billed towards Transmission charges	499.677893	MU

ITEM NO	PARTICULARS	AMOUNT	AMOUNT
A	**Transmission Charges**		
	Transmission charges @ 24.00P/kWh		11,99,22,693.00
B	**Adjustment for past bills**		
C	**Total current charges(A+B)**		11,99,22,693.00
D	**Delayed payment Surcharged Accrued**		
E	**Previous amount outstanding**		
	i Outstanding Transmission Charges	12,48,26,184.00	
	ii Outstanding DPS	0	
	Total of previous amount outstanding (i+ii)		12,48,26,184.00
F	**Less payment received during the month**		
	i Amount received towards last month bill	11,98,33,119.00	
	ii Rebate allowed on that bill	24,99,523.00	
	iii Collection towards arrears		
	iv Collection towards TDS	24,99,523.00	
	Total of payment received during the month		12,48,26,184.00
G	**Total amount claimed through this bill (C+D+E-F)**		11,99,22,693.00
	Rupees Eleven Crore Ninety Nine Lakh Twenty Two Thousand Six Hundred Ninety Three Only		
H	**Rebate on Payment of Current Charges**		
	i Payable with 2% Rebate on or before 11-Feb-2024		11,75,24,239.00
	ii Payable with 1% Rebate on or before 04-Apr-2024		11,87,23,466.00
	iii Payable without Rebate after with DPS 04-Apr-2024		11,99,22,693.00

6.3.2024

DGM(F),RT&C

6.3.2024

DGM(El),RT&C

For and on behalf of OPTCL

Sr.GM (RT&C)

1. Pay by Date:30 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.76 of 2022 approving Transmission Tariff for FY 2023-24
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections

v

GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960

Bill of Supply(Provisional)

For TPNODL
February-2024

GRIDCO GSTIN:21AABCG5398P3Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/23-24/ 598

Date: 04-Mar-24
Pay By Date: 03-Apr-24

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Januganj, Balasore, Odisha

GSTIN: 21AACTS123C1ZX

A. Total Energy for the month	501.362819 MU
B. SMD approved by OERC	12,80,000 kVA
SMD permitted by OERC	14,08,000 kVA
Actual SMD occurred	10,14,169 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	1,67,95,65,444.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		1,67,95,65,444.00
2	Debit/Credit Bills:		
	a) Debit Bills for the _____ vide Bill Nos _____ Dtd_____	0.00	
	Sub Total: (a+b)		0.00
3	Total Current Charges: Items (1+2)		1,67,95,65,444.00
4	Add Delayed Payment Surcharge for the month of Feb-2024 (Annex-6)		0.00
5	Add: Previous amount outstanding :-		
	(i) Outstanding energy charges	3,32,88,53,927.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		3,32,88,53,927.00
6	Less payment received during the month		
	(a) Amount received against Dec'23 bill	1,56,72,50,531.00	
	(b) Rebate allowed for Dec'23 bill	1,58,48,819.00	
	(c) Amount against TDS on Dec'23 Bill	16,84,682.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(1,58,48,82,032.00)
7	Total amount claimed through this bill: Items (3 to 6)		3,42,37,37,339.00
	(Rounded off to the nearest Rupee)		3,42,37,37,339.00

(Rupees three hundred forty two crore thirty seven lakh thirty seven thousand three hundred thirty nine only)

Checked by

DGM(F), PP

AGM (EBC)

For & on behalf of GRIDCO

Sr.GM (T & BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 482 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.478 & 486 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures -**

Annexure 1	Energy Flow Statement	**Annexure 2**	Station Consumption statement
Annexure 3	Open Access Statements	**Annexure 4**	Main/Check Comparison of Solar Plant
Annexure 5	Energy Accounting Statement of SLDC	**Annexure 6**	Delayed Payment Surcharge
Annexure 7	Rebate Statement	**Annexure 8**	Billing Consideration Statement
Annexure 9	Billing Information Statement		

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
Registered Office:Janpath,Bhubaneswar-751022
PAN-AAACO7873L
GSTIN-21AAACO7873L1Z8

Provisional Monthly Transmission Charges Invoice
For TPNODL
March-2024

Invoice No: TRANS/TPNODL/Cur/March-2024

Date 05-Apr-2024
Pay By Date: 04-May-2024

To,
The Chief Executive Officer,
TP Northern Odisha Distribution Ltd.,
Janugan], Balasore, Odisha

Data furnished by SLDC towards Transmission Charges for TPNODL

A	Actual Energy drawn	695.831851	MU
	Station Consumption	0.341124	MU
	Injection by 11kV and 33kV Generators	0.542391	MU
	Open Access Energy	119.358989	MU
B	Energy to be billed towards Transmission charges	575.589347	MU

ITEM NO	PARTICULARS	AMOUNT	AMOUNT
A	**Transmission Charges**		
	Transmission charges @ 24.00P/kWh		13,81,41,443.00
B	**Adjustment for past bills**		
C	**Total current charges(A+B)**		13,81,41,443.00
D	**Delayed payment Surcharged Accrued**		-
E	**Previous amount outstanding**		
	i Outstanding Transmission Charges	11,99,22,693.00	
	ii Outstanding DPS	0	
	Total of previous amount outstanding (i+ii)		11,99,22,693.00
F	**Less payment received during the month**		
	i Amount received towards last month bill	11,51,28,785.00	
	ii Rebate allowed on that bill	23,98,454.00	
	iii Collection towards arrears		
	iv Collection towards TDS	23,98,454.00	
	Total of payment received during the month		11,99,22,693.00
G	**Total amount claimed through this bill (C+D+E-F)**		**13,81,41,443.00**
	Rupees Thirteen Crore Eighty One Lakh Forty One Thousand Four Hundred Forty Three Only		
H	**Rebate on Payment of Current Charges**		
	i Payable with 2% Rebate on or before **08-Apr-2024**		**13,53,78,614.00**
	ii Payable with 1% Rebate on or before **04-May-2024**		**13,67,60,029.00**
	iii Payable without Rebate after with DPS **04-May-2024**		**13,81,41,443.00**

For and on behalf of OPTCL

DGM(F),RT&C 5.4.24

DGM(T),RT&C 5.4.24

Sr.GM (RT&C) 5/4/24

1. Pay by Date 30 days from the date of issuance of this bill as per the OERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2014.
2. The billing for Transmission of power is done as per OERC Order dated 23.03.2023 in Case No.76 of 2022 approving Transmission Tariff for FY 2023-24.
3. This invoice shall be deemed as accepted in full in the absence of any objection raised to the contrary within 7 (seven) days of the bill. The objection should indicate the amount not admitted and the specific reasons for the objections.

GRIDCO

G R I D C O Limited
Registered Office: Janpath,
Bhubaneswar 751022
CIN: U40109OR1995SGC003960
Bill of Supply(Provisional)
For TPNODL
March-2024

GRIDCO GSTIN:21AABCG5398P1Z3
Goods Description: Electricity
HSN Code: 27160000
Ref No: GR/BS/24-25/ 009

Date: 04-Apr-24
Pay By Date: 04-May-24

The Chief Executive Officer
TP Northern Odisha Distribution Limited
Janugang, Balasore, Odisha
GSTIN: 21AAICT6123C1ZX

A. Total Energy for the month	576.130067 MU
B. SMD approved by OERC	12,80,000 kVA
SMD permitted by OERC	14,08,000 kVA
Actual SMD occurred	11,47,307 kVA
Excess SMD drawal	0 kVA

Item No			Amount (Rs.)
1	Current Charges:		
	(a) Bulk Supply Price @ 335 Paise per kWh for the Energy	1,93,00,35,691.00	
	(b) Excess Demand Charge @ Rs 250 per kVA	0.00	
	Sub Total: (a+b)		1,93,00,35,691.00
2	Debit/Credit Bills:		
	a) Debit Bills for the _____ vide Bill Nos_____ Dtd_____	0.00	
	Sub Total: (a+b)		0.00
3	Total Current Charges: Items (1+2)		1,93,00,35,691.00
4	Add Delayed Payment Surcharge for the month of Mar-2024 (Annex-6)		0.00
5	Add: Previous amount outstanding :-		
	(i) Outstanding energy charges	3,42,37,37,339.00	
	(ii) Outstanding DPS	0.00	
	Total Previous Outstanding: (i+ii)		3,42,37,37,339.00
6	Less payment received during the month		
	(a) Amount received against Jan'24 bill	1,72,49,86,004.00	
	(b) Rebate allowed for Jan'24 bill	1,74,41,719.00	
	(c) Amount against TDS on Jan'24 Bill	17,44,172.00	
	(d) Other Adjustment (if any)	0.00	
	Total Payment and Adjustment: (a+b+c+d)		(1,74,41,71,895.00)
7	Total amount claimed through this bill: Items (3 to 6)		3,60,96,01,135.00
	(Rounded off to the nearest Rupee)		3,60,96,01,135.00

(Rupees three hundred sixty crore ninety six lakh one thousand one hundred thirty five only)

Checked by

DGM(F), PP

M. Mishra
DGM (EBC)

For & on behalf of GRIDCO

Sr.GM (T & BS)

Note:

1. The BSP Bill of Supply for the month has been prepared in line with the Bulk Supply Agreement executed with TPNODL and ARR & BSP Order dated 23.03.2023 in Case No 78/2022.
2. The billing for Bulk Supply of Power has been done based on the actual energy consumption statement provided by SLDC and in line with the Clause No. 462 of the BSP order Dt.23.03.2023 of GRIDCO for FY-2023-24 in Case No.78/2022 in the matter of overdrawal by the DISCOMs and as per the rates stipulated at Clause No.478 & 488 of the said BSP Order.
3. Rebate for prompt payment & Delayed Payment Surcharge shall be admissible/imposed as per the Clause No. 483 & 484 of BSP Order of GRIDCO Dt.23/03/2023 in case No.78/2022 of OERC and relevant provisions of Bulk Supply Agreement executed with TPNODL.
4. In case of any default in monthly BSP dues by the DISCOMs, they are liable for imposition of power regulation to the extent of non payment of monthly BSP dues as per Clause No. 479 of the BSP Order.
5. Statutory duty/tax/cess/toll etc. imposed under any law from time to time shall be charged over and above the bulk supply price fixed by the Commission as per Clause No. 485 of the BSP Order.
6. Discrepancy, if any, found later on, towards the billing will be taken into account.
7. **Details of the Annexures -**

Annexure 1	Energy Flow Statement	Annexure 2	Station Consumption statement
Annexure 3	Open Access Statements	Annexure 4	Main/Check Comparison of Solar Plant
Annexure 5	Energy Accounting Statement at SLDC	Annexure 6	Delayed Payment Surcharge
Annexure 7	Rebate Statement	Annexure 8	Billing Consideration Statement
Annexure 9	Billing information Statement		

11.0.6 ANNUAL PERFORMANCE OF TPNODL FOR FY2023-24:

BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION
PLOT NO.4, CHUNUKOLI, SAILASHREE VIHAR,
CHANDRASEKHARPUR, BHUBANESWAR

IN THE MATTER OF : Annual Performance Review of TP Northern Odisha Distribution Ltd. (TPNODL) for the Financial Year FY 2023-24.

And

IN THE MATTER OF : TP Northern Odisha Distribution Ltd.,
Corporate Office - Januganj, Balasore, Odisha- 756019

Affidavit verifying submission of information for the Annual Performance Review of TPNODL for the financial year 2023-24

I, Dwijadas Basak, aged about 57 years, son of Sri Dhananjoy Basak, residing at Balasore, do hereby solemnly affirm and state as follows:

I am the Chief Executive Officer of TP Northern Odisha Distribution Ltd (TPNODL), Head Office-Januganj, Balasore, Odisha-756019 and I am competent to swear the present affidavit.

The statements made in the submission are true to the best of my knowledge and the statements made are based on information and records and I believe them to be true.

Dated : 20.05.2024

DEPONENT

BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION
PLOT NO.4, CHUNUKOLI, SAILASHREE VIHAR,
CHANDRASEKHARPUR, BHUBANESWAR

IN THE MATTER OF : Annual Performance Review of TP Northern Odisha Distribution Ltd. (TPNODL) for the Financial Year FY 2023-24.

And

IN THE MATTER OF : TP Northern Odisha Distribution Ltd.
Corporate Office - Januganj, Balasore, Odisha- 756019

The above named utility most respectfully showeth :

That, in compliance to the letter no. DIR(T)-336/08/523 dated 08.05.2024 of Secretary, OERC, the required data for the Annual Performance Review of TPNODL for the period April, 2023 to March, 2024 in the prescribed formats are submitted enclosed herewith.

Chief Executive Officer
For & on behalf of TPNODL

L.T.PERFORMANCE FOR THE PERIOD - APR-23 TO MAR-24										
Name of Division :	BED, BALASORE					BTED, BASTA				
Category	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)
Domestic	52608	98.115	49.61	51.16	103.12%	71964	49.581	24.54	27.68	112.81%
Kutir Jyoti	5	0.000	0.00	0.00	120.00%	27	0.007	0.00	0.00	113.95%
L.T. General (Com)	11471	44.524	33.18	33.45	100.81%	5108	15.116	11.39	11.34	99.58%
Agriculture	72	0.271	0.06	0.07	120.65%	3627	15.157	3.17	3.40	107.26%
Agro	151	5.666	1.25	1.25	100.57%	222	2.525	0.55	0.55	99.75%
Allied-Agro	0	0.000	0.00	0.00	#DIV/0!	10	0.188	0.08	0.08	99.51%
Street Lighting	30	2.485	1.55	1.58	101.68%	64	1.025	0.64	0.59	92.24%
PWW	173	4.576	3.48	3.67	102.57%	293	3.546	3.09	3.20	103.48%
Small Industry	127	0.745	0.52	0.52	100.10%	219	1.143	0.86	0.86	99.80%
Medium Industry	62	3.823	2.76	2.79	101.12%	24	0.006	0.58	0.59	100.86%
Specified Pub. Purpose (P.I.)	357	1.809	1.25	1.19	95.14%	799	0.912	0.69	0.47	67.10%
TOTAL LT	65048	162.013	93.6560	95.58	102.05%	82568	89.806	45.6051	48.78	106.92%
Energy Input in LT (MU)			180.009					143.375		
Energy Sold in LT (MU)			162.013					89.806		
LT LOSS (%)			10.00%					37.36%		
AT & C Loss (%)			8.15%					33.83%		
Realisation Cost per LT Input (P/U)			531					340		

L.T.PERFORMANCE FOR THE PERIOD - APR-23 TO MAR-24										
Name of Division :	JED, JALESWAR					CED, BALASORE				
Category	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)
Domestic	98778	61.115	29.53	35.14	118.98%	99407	81.435	39.47	45.82	116.06%
Kutir Jyoti	577	0.016	0.03	0.03	110.22%	19	0.014	0.02	0.02	82.46%
L.T. General (Com)	8121	20.328	14.52	14.56	100.29%	7248	23.648	17.66	17.99	101.86%
Agriculture	4101	23.907	4.75	4.89	102.93%	1721	0.519	0.52	1.00	193.52%
Agro	511	13.123	3.04	2.99	98.28%	572	8.719	2.13	2.17	101.94%
Allied-Agro	4	0.068	0.04	0.04	114.46%	4	0.006	0.00	0.01	176.09%
Street Lighting	104	1.678	1.05	1.08	102.38%	99	0.986	0.61	0.31	50.86%
PWW	286	4.171	3.78	3.74	98.84%	395	4.362	4.12	4.17	101.14%
Small Industry	275	1.043	0.84	0.82	97.65%	241	0.964	0.75	0.77	103.60%
Medium Industry	27	1.210	1.07	1.03	96.00%	161	7.279	6.26	6.24	99.59%
Specified Pub. Purpose (P.I.)	979	1.288	0.96	0.64	66.56%	1231	2.601	2.12	1.88	88.64%
TOTAL LT	113761	127.947	59.6090	64.95	108.95%	111098	131.723	73.6600	80.37	109.11%
Energy Input in LT (MU)			181.316					203.419		
Energy Sold in LT (MU)			127.947					131.723		
LT LOSS (%)			29.43%					35.25%		
AT & C Loss (%)			23.12%					29.35%		
Realisation Cost per LT Input (P/U)			358					395		

L.T.PERFORMANCE FOR THE PERIOD - APR-23 TO MAR-24										
Name of Division :	SED, SORO					BNED, BHADRAK NORTH				
Category	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)
Domestic	138717	105.583	48.58	51.27	105.54%	160714	158.228	75.74	79.05	104.37%
Kutir Jyoti	160	0.013	0.02	0.02	108.96%	456	0.106	0.08	0.06	73.00%
L.T. General (Com)	8144	25.741	19.12	19.23	100.59%	12033	44.442	33.01	32.62	99.44%
Agriculture	2078	1.350	0.46	0.44	95.66%	757	1.061	0.36	0.15	42.53%
Agro	797	3.328	0.66	0.69	105.02%	308	4.382	0.95	0.95	100.73%
Allied-Agro	4	0.085	0.03	0.04	126.27%	11	0.246	0.10	0.09	95.45%
Street Lighting	124	2.337	1.43	1.15	80.89%	196	4.367	2.73	2.57	93.90%
PWW	547	2.159	2.42	2.88	119.23%	296	4.408	4.15	4.13	99.67%
Small Industry	337	1.396	1.09	1.10	100.89%	520	1.832	1.40	1.39	99.23%
Medium Industry	61	1.795	1.89	1.91	100.72%	133	6.659	5.39	5.25	97.36%
Specified Pub. Purpose (P.I.)	1615	2.082	1.60	1.28	80.21%	1639	2.164	1.59	1.41	88.25%
TOTAL LT	153604	145.869	77.2919	80.02	103.53%	177062	227.895	125.5038	127.88	101.89%
Energy Input in LT (MU)			184.588					333.713		
Energy Sold in LT (MU)			145.869					227.895		
LT LOSS (%)			20.98%					31.71%		
AT & C Loss (%)			18.19%					30.42%		
Realisation Cost per LT Input (P/U)			433					383		

L.T.PERFORMANCE FOR THE PERIOD - APR-23 TO MAR-24										
Name of Division :	BSED, BHADRAK SOUTH					BPED, BARIPADA				
Category	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)
Domestic	101436	77.863	38.55	43.43	118.83%	189279	143.927	71.46	81.09	113.49%
Kutir Jyoti	41	0.012	0.02	0.00	11.67%	4016	0.420	0.73	0.74	100.71%
L.T. General (Com)	4890	15.035	11.22	11.38	101.43%	13606	46.807	35.00	35.23	100.64%
Agriculture	958	1.150	0.37	0.23	63.17%	2352	2.981	0.82	1.15	139.78%
Agro	337	1.387	0.25	0.25	98.37%	220	1.721	0.34	0.32	96.40%
Allied-Agro	4	0.043	0.02	0.02	107.95%	5	0.024	0.01	0.01	111.00%
Street Lighting	115	2.272	1.42	1.07	75.27%	154	1.868	1.16	1.09	93.99%
PWW	204	0.894	1.20	1.11	92.51%	530	8.141	6.99	7.23	103.46%
Small Industry	257	0.948	0.73	0.72	98.40%	488	2.471	1.81	1.83	101.37%
Medium Industry	71	1.901	1.84	1.81	98.42%	138	4.297	3.77	3.90	103.36%
Specified Pub. Purpose (P.I.)	1264	1.408	1.11	0.79	70.88%	2883	7.490	5.80	5.07	87.53%
TOTAL LT	109597	102.913	54.7222	60.99	111.11%	213673	220.154	127.8901	137.67	107.65%
Energy Input in LT (MU)			150.064					289.303		
Energy Sold in LT (MU)			102.913					220.154		
LT LOSS (%)			31.42%					23.90%		
AT & C Loss (%)			23.80%					18.08%		
Realisation Cost per LT Input (P/U)			405					476		

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L.T.PERFORMANCE FOR THE PERIOD - APR-23 TO MAR-24										
Name of Division :	UED, UDALA					RED, RAIRANGPUR				
Category	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)
Domestic	85328	49.635	24.08	28.77	119.47%	171471	91.264	43.00	55.03	127.70%
Kutir Jyoti	2900	0.115	0.27	0.27	100.19%	2483	0.345	0.36	0.35	97.43%
L.T. General (Com)	4279	12.521	9.30	9.15	98.40%	8039	25.282	18.78	19.74	105.22%
Agriculture	1072	2.167	0.52	0.34	65.76%	2786	0.133	0.46	0.52	113.36%
Agro	118	0.344	0.07	0.07	109.72%	39	0.637	0.11	0.11	101.60%
Allied-Agro	4	0.173	0.08	0.08	100.51%	5	0.252	0.09	0.10	112.32%
Street Lighting	80	0.686	0.40	0.28	71.26%	136	1.699	1.06	1.02	96.29%
PWW	174	2.560	2.40	2.59	107.94%	773	7.225	6.90	6.70	97.08%
Small Industry	218	0.992	0.75	0.75	99.39%	307	1.418	1.04	1.04	99.98%
Medium Industry	42	0.775	0.98	1.18	120.74%	84	1.499	1.44	1.53	106.31%
Specified Pub. Purpose (P.I.)	1593	2.765	1.99	1.52	75.96%	2391	5.342	3.99	3.77	94.51%
TOTAL LT	**95804**	**72.713**	**40.8279**	**44.99**	**110.19%**	**188494**	**135.096**	**77.3055**	**89.92**	**116.31%**
Energy Input in LT (MU)			94.464					175.312		
Energy Sold in LT (MU)			72.713					135.096		
LT LOSS (%)			**23.03%**					**22.94%**		
AT & C Loss (%)			**15.18%**					**10.37%**		
Realisation Cost per LT Input (P/U)			**476**					**513**		

L.T.PERFORMANCE FOR THE PERIOD - APR-23 TO MAR-24										
Name of Division :	JRED, JAJPUR ROAD					JTED, JAJPUR TOWN				
Category	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)
Domestic	86483	116.840	58.23	63.90	109.75%	91657	105.782	50.02	51.33	102.61%
Kutir Jyoti	31	0.016	0.01	0.01	105.00%	63	0.006	0.01	0.01	85.39%
L.T. General (Com)	6443	38.815	29.98	30.58	101.95%	4819	20.253	16.05	16.02	99.81%
Agriculture	1416	2.900	0.77	0.28	36.46%	1331	1.355	0.54	0.34	63.26%
Agro	43	0.130	0.03	0.02	93.54%	74	0.257	0.04	0.04	91.57%
Allied-Agro	1	0.000	0.00	0.00	#DIV/0!	0	0.000	0.00	0.00	#DIV/0!
Street Lighting	102	2.801	1.76	1.98	112.48%	80	2.276	1.42	0.83	58.02%
PWW	194	4.023	3.88	3.76	102.92%	174	2.095	1.89	1.92	101.30%
Small Industry	179	0.973	0.75	0.73	98.23%	237	0.802	0.65	0.66	101.46%
Medium Industry	87	3.234	2.99	3.02	101.24%	13	0.246	0.24	0.24	100.51%
Specified Pub. Purpose (P.I.)	715	2.060	1.44	1.30	90.26%	607	1.472	1.06	0.64	60.06%
TOTAL LT	**95094**	**172.792**	**99.5901**	**105.58**	**106.01%**	**99025**	**134.544**	**79.9084**	**71.21**	**106.43%**
Energy Input in LT (MU)			222.248					167.697		
Energy Sold in LT (MU)			172.792					134.544		
LT LOSS (%)			**22.25%**					**19.77%**		
AT & C Loss (%)			**17.58%**					**19.42%**		
Realisation Cost per LT Input (P/U)			**475**					**425**		

L.T.PERFORMANCE FOR THE PERIOD - APR-23 TO MAR-24										
Name of Division :	KUED, KUAKHIA					KED, KEONJHAR				
Category	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)
Domestic	101020	101.947	49.59	52.59	106.05%	105441	64.715	32.10	35.56	110.83%
Kutir Jyoti	454	0.018	0.03	0.02	95.00%	1762	0.130	0.21	0.21	101.20%
L.T. General (Com)	5596	24.570	18.48	18.64	100.88%	7085	27.596	21.04	21.09	100.27%
Agriculture	831	0.438	0.11	0.27	257.81%	1433	1.275	0.42	0.29	69.48%
Agro	89	0.271	0.05	0.05	104.23%	143	0.706	0.18	0.17	97.31%
Allied-Agro	1	0.009	0.00	0.00	100.00%	2	0.398	0.02	0.19	856.62%
Street Lighting	104	3.047	1.91	1.30	68.40%	103	2.576	1.59	1.43	89.81%
PWW	188	1.815	2.00	2.03	101.72%	211	2.440	2.49	2.52	100.88%
Small Industry	232	1.119	0.83	0.84	100.75%	151	1.076	0.75	0.75	99.67%
Medium Industry	106	3.857	3.65	3.76	103.08%	36	1.356	1.33	1.36	102.47%
Specified Pub. Purpose (P.I.)	573	1.440	1.07	1.04	97.73%	1545	3.248	2.45	2.23	90.92%
TOTAL LT	**109174**	**138.535**	**77.7017**	**80.58**	**103.67%**	**118912**	**105.466**	**62.5898**	**65.83**	**105.17%**
Energy Input in LT (MU)			214.923					116.125		
Energy Sold in LT (MU)			138.535					105.466		
LT LOSS (%)			**35.51%**					**9.18%**		
AT & C Loss (%)			**33.14%**					**4.48%**		
Realisation Cost per LT Input (P/U)			**375**					**567**		

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L.T.PERFORMANCE FOR THE PERIOD - APR-23 TO MAR-24										
Name of Division :	JOED, JODA					AED, ANANDAPUR				
Category	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)
Domestic	80050	72.240	35.84	37.73	105.30%	119640	77.662	36.65	41.40	112.96%
Kutir Jyoti	863	0.038	0.13	0.12	88.33%	1467	0.122	0.20	0.20	98.91%
L.T. General (Com)	6897	31.719	23.83	24.09	101.05%	5428	20.628	15.39	15.38	99.90%
Agriculture	973	1.532	0.37	0.26	69.44%	796	0.542	0.17	0.13	74.91%
Agro	23	0.067	0.02	0.02	100.00%	186	0.905	0.17	0.17	101.52%
Allied-Agro	2	0.010	0.01	0.01	68.35%	8	0.043	0.02	0.02	104.29%
Street Lighting	136	3.394	2.13	2.12	99.76%	399	1.964	1.21	1.02	84.19%
PWW	320	2.727	2.58	2.53	97.97%	257	3.999	3.42	3.51	102.82%
Small Industry	165	1.033	0.75	0.74	99.34%	211	0.615	0.63	0.63	101.31%
Medium Industry	61	1.843	1.76	1.75	88.95%	43	1.085	1.20	1.33	110.39%
Specified Pub. Purpose (P.I.)	804	2.582	1.88	1.66	88.40%	1520	3.343	2.45	2.44	99.38%
TOTAL LT	90276	117.205	69.2918	71.01	102.48%	129935	110.708	61.5102	68.24	107.68%
Energy Input in LT (MU)			123.026					152.134		
Energy Sold in LT (MU)			117.205					110.708		
LT LOSS -(%)			4.73%					27.23%		
AT & C Loss (%)			2.37%					21.64%		
Realisation Cost per LT Input (P/U)			577					435		

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L.T.PERFORMANCE FOR THE PERIOD - APR-23 TO MAR-24					
Name of Division :	TPNODL AS WHOLE				
Category	No. of Consumer	Consumption (MU)	Amount Billed (Rs. in Crs.)	Amount Collected (Rs. in Crs.)	Collection Efficiency (%)
Domestic	1756009	1455.932	705.07	780.96	110.76%
Kutir Jyoti	15316	1.378	2.12	2.06	97.23%
L.T. General (Com)	119207	438.025	326.93	329.69	100.84%
Agriculture	26474	56.748	13.84	13.75	99.33%
Agro	3811	45.188	9.82	9.84	100.19%
Allied-Agro	65	1.544	0.51	0.70	137.77%
Street Lighting	2017	35.438	22.07	19.42	88.00%
PWW	5015	58.741	54.55	55.58	101.88%
Small Industry	4164	18.760	14.15	14.17	100.14%
Medium Industry	1119	41.414	37.16	37.68	101.40%
Specified Pub. Purpose (P.I.)	20526	42.211	31.45	27.52	87.50%
TOTAL LT	1953723	2195.379	1217.66	1291.36	106.05%
Energy Input in LT (MU)	2931.613				
Energy Sold in LT (MU)	2195.379				
LT LOSS (%)	25.11%				
AT & C Loss (%)	20.58%				
Realisation Cost per LT Input (P/U)	440				

PERFORMANCE OF TPNODL FOR THE FY 2023-24 (APR - MAR)

Sl. No.	Name of Division	Year	No. of Consumers	Energy Input (MU) (Discounting HT Loss %) LT	Energy Input TOTAL	Energy Sold (MU) EHT	HT	LT	TOTAL	T & D Loss (%) (Discounting HT Loss %) LT	Overall	Billing Efficiency (%) LT	Overall	Billing to Consumer (Rs. in Crs.) LT	TOTAL	Collection Received (Rs. in Crs.) LT	TOTAL	Collection Efficiency (%) LT	TOTAL	AT & C Loss (%) LT	TOTAL	Overall Realisation Per total Input (P/U)	LT Realisation Per LT Input (P/U)
OERC TARGET / APPROVAL				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
ACTUAL																							
1	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Sl. No.	Name of Division	Year	No. of Consumers	Energy Input (MU) (Discounting HT Loss %) LT	Energy Input TOTAL	Energy Sold (MU) EHT	HT	LT	TOTAL	T & D Loss (%) (Discounting HT Loss %) LT	Overall	Billing Efficiency (%) LT	Overall	Billing to Consumer (Rs. in Crs.) LT	TOTAL	Collection Received (Rs. in Crs.) LT	TOTAL	Collection Efficiency (%) LT	TOTAL	AT & C Loss (%) LT	TOTAL	Overall Realisation Per total Input (P/U)	LT Realisation Per LT Input (P/U)
OERC TARGET / APPROVAL				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
14	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TPNODL TOTAL		2023-24 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2022-23 (Apr-Mar)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NOTARY

v

TPNODL

STATUS OF ARREAR

(Rs. in Crs.)

Category	Arrears as on 31.03.2023	Billing for the period (Apr-23 to Mar-24)	Collection against current dues (Apr-23 to Mar-24) against '3'	Collection against arrear during (Apr-23 to Mar-24) against '2'	Total collection	Arrear for the period (Apr-23 to Mar-24)	Arrear as on 31-03-2024
1	2	3	4	5	6=4+5	7=3-4	8=2-5+7
EHT	315.57	1976.42	1976.42	68.46	2044.88	0.00	247.11
HT	44.93	368.57	365.68	0.47	366.15	2.89	47.36
LT	1857.60	1089.46	1021.03	147.69	1168.72	68.43	1778.34
Govt & PSU HT	-2.40	97.54	95.59	0.00	95.59	1.95	-0.46
Govt & PSU LT	7.64	128.20	119.38	3.25	122.63	8.82	13.20
Total of above	2223.33	3660.19	3578.10	219.87	3797.97	82.08	2085.55

v

TPNODL

OUTSTANDING GOVT ARREARS

Rs. in Lacs.

SL No.	GOVT. DEPARTMENTS	AS ON 31.03.2023	AS ON 31.03.2024	Increase / Decrease
1	Housing & Urban Development			
(i)	PHD (Urban)	-182.75	-86.45	96.30
(ii)	Others	12.70	0.00	-12.70
	Total	**-170.05**	**-86.45**	**83.60**
2	Rural Development			
(i)	Rural Water Supply (RWSS)	1304.51	970.01	-334.50
(ii)	Others	-4.31	2.33	6.64
	Total	**1300.20**	**972.34**	**-327.86**
3	Irrigation(WR)			
(i)	Lift Irrigation			
(ii)	Panipanchayat			
(iii)	Others	-40.49	-58.39	-17.90
	Total	**-40.49**	**-58.39**	**-17.90**
4	Home Deptt			
(i)	Judiciary			
(ii)	Police	-111.12	-76.92	34.20
(iii)	Jail			
(iv)	Others			
	Total	**-111.12**	**-76.92**	**34.20**
5	Law Deptt			
(i)	Judicial courts	-31.17	-12.99	18.18
(ii)	Endowments			
(iii)	Others			
	Total	**-31.17**	**-12.99**	**18.18**
6	Panchayat Raj Deptt			
(i)	Zila Parishada			
(ii)	Panchayat Samiti			
(iii)	Grampanchayat	724.64	1090.10	365.46
(iv)	Other Establishments			
	Total	**724.64**	**1090.10**	**365.46**
7	School & Mass Education	-310.62	-121.78	188.84
8	Higher Education	-122.68	-95.13	27.55
9	Industries			
(i)	Technical Education	-7.43	-10.75	-3.32
(ii)	Other Establishments	-7.78	-6.26	1.52
	Total	**-15.21**	**-17.01**	**-1.80**
10	Revenue	-47.01	-15.95	30.06

v

SL No.	GOVT. DEPARTMENTS	AS ON 31.03.2023	AS ON 31.03.2024	Increase / Decrease
11	Works	-31.13	-30.21	0.92
12	Fisheries & Animal Resources			
(i)	Fisheries	-15.72	-6.85	8.87
(ii)	Veterinary			
(iii)	Others			
	Total	**-15.72**	**-6.85**	**8.87**
13	Co-Operatives			
(i)	Spinning Mills	-0.60	-0.72	-0.12
(ii)	Other Establishments	-1.39	-4.17	-2.78
	Total	**-1.99**	**-4.89**	**-2.90**
14	Forestry	-19.66	-10.55	9.11
15	Civil Supply	-0.86	-1.39	-0.53
16	Health &Family	-441.65	-412.56	29.09
17	Transport	-0.69	3.50	4.19
18	Other Departments	-172.63	-116.10	56.53
	Total State Government	**492.16**	**997.77**	**505.61**
19	Urban Local Bodies			
(i)	Municipal Corporations			
(ii)	Municipality			
(iii)	NAC / Municipality	59.49	94.93	35.44
	Total	**59.49**	**94.93**	**35.44**
20	PSU	-28.32	181.83	210.15
	Total Outstanding Arrear	**523.33**	**1274.53**	**751.20**

TPNODL

CONSUMER MIX DATA AS ON 31.03.2024

Sl. No.	Name of the Division	Category in terms of Area			Category in terms of Use of power (MU)							No of Villages	No of Villages Electrified
		Urban	Rural	Total	Kutir Jyoti	Agricultural	Domestic	Commercial	Industrial	Traction	Others		
1	BED, Balasore	57707	7412	**65119**	0	0.271	100.072	58.233	53.154	67.48	23.762	2933	2933
2	BTED, Basta	4236	78336	**82572**	0.007	15.157	49.581	15.353	3.158	0	9.992		
3	JED, Jaleswar	15045	98732	**113777**	0.016	23.907	61.115	21.018	3.13	60.202	24.058		
4	CED, Balasore	5886	105312	**111198**	0.014	0.519	81.435	26.92	549.733	0	35.736		
5	SED, Soro	14508	139142	**153650**	0.013	1.35	105.583	26.143	16.057	0	30.748		
6	BNED, Bhadrak (N)	35396	141751	**177149**	0.106	1.061	156.228	136.366	76.997	61.964	20.824	1314	1314
7	BSED, Bhadrak (S)	2639	106975	**109614**	0.012	1.15	77.863	15.322	5	0	8.343		
8	BPED, Baripada	41414	172318	**213732**	0.42	3.343	143.927	50.636	24.902	0	26.693	3966	3966
9	UED, Udala	7820	87990	**95810**	0.115	2.29	49.635	12.521	3.124	0	6.622		
10	RED, Rairangpur	12927	175602	**188529**	0.345	0.78	91.264	26.753	15.86	0	18.499		
11	JRED, Jajpur Road	19237	76542	**95779**	0.016	3.191	124.259	57.787	1459.938	133.054	12.099	1388	1388
12	JTED, Jajpur Town	2946	89089	**99035**	0.006	1.355	105.782	21.406	1.048	0	6.57		
13	KJED, Kujang	2199	107026	**109235**	0.018	1.41	102.056	24.793	77.063	0	6.598		
14	KED, Kendrapara	21159	97792	**118961**	0.13	1.46	65.102	31.978	178.453	63.035	14.11	2125	2125
15	JOED, Joda	29226	61159	**90385**	0.038	1.617	79.072	38.174	649.82	94.969	14.866		
16	AED, Anandapur	11911	118057	**129968**	0.122	0.542	77.799	29.824	9.552	0	12.362		
TOTAL		**291278**	**1663235**	**1954513**	**1.378**	**59.403**	**1472.773**	**586.229**	**3123.989**	**480.704**	**271.882**	**11726**	**11726**

PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION														
PARTICULARS	2023-23 (Jun to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	328.474	29.781	33.997	34.231	34.575	30.630	31.036	28.768	24.338	22.719	21.693	22.528	27.949	343.697
BST Bill of GRIDCO (Rs. in Crs.)	114.64	10.69	12.20	12.29	12.41	10.96	11.14	10.69	8.74	8.16	7.77	8.09	10.02	123.14
BST Bill (PAI)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	64.033	5.448	6.034	5.802	5.777	5.063	6.042	5.971	5.942	6.163	5.739	5.305	5.895	67.480
HT	79.685	6.967	6.878	7.380	7.792	5.743	5.342	5.201	4.821	5.392	5.122	6.102	7.389	73.479
LT	147.511	13.006	14.878	18.926	18.158	16.958	16.634	14.747	12.585	9.818	8.232	8.721	9.167	162.913
TOTAL SALE (MU)	291.149	24.421	27.790	32.091	31.727	28.268	28.017	26.969	23.348	21.373	19.193	20.128	22.349	302.972
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	9.88%	20.79%	21.06%	8.27%	2.91%	1.55%	5.78%	10.65%	-3.98%	-2.89%	12.48%	10.48%	29.44%	10.09%
HT & LT	14.11%	22.03%	22.20%	13.61%	9.89%	8.57%	12.08%	15.54%	5.38%	6.33%	15.47%	13.93%	25.26%	14.53%
OVERALL (%)	11.39%	18.00%	18.36%	12.09%	8.24%	7.42%	8.73%	12.43%	4.07%	4.60%	11.37%	10.68%	20.11%	11.67%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	90.12%	79.21%	78.94%	91.73%	97.09%	98.45%	94.22%	89.35%	103.98%	102.89%	87.51%	89.51%	70.56%	90.00%
HT & LT	85.89%	77.97%	77.80%	86.39%	90.11%	90.93%	87.92%	84.46%	94.62%	93.68%	84.53%	86.07%	74.72%	85.47%
OVERALL (%)	89.64%	82.00%	81.74%	87.91%	91.76%	92.58%	90.27%	87.57%	95.93%	95.40%	86.63%	89.35%	79.89%	88.33%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	43.67	3.56	3.89	3.80	3.72	3.68	3.87	3.87	4.01	4.14	3.69	3.40	3.64	42.97
HT	53.22	4.11	4.66	4.84	5.09	3.98	3.78	3.75	3.49	3.70	3.54	4.07	4.62	50.89
LT	82.79	7.32	8.07	10.83	10.39	9.27	9.42	8.60	7.54	5.95	5.23	5.19	5.68	93.06
TOTAL	179.69	14.99	16.63	18.62	19.20	16.91	17.08	16.22	15.03	13.84	12.43	12.62	14.14	187.71
Billing to Govt Dept. & PSU	9.69	2.52	2.49	2.45	2.73	3.09	2.21	2.12	2.02	1.75	2.08	1.98	2.34	27.75
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	42.98	3.69	3.96	3.89	3.85	3.72	3.56	3.87	3.87	4.01	4.14	3.68	3.40	44.02
HT	51.57	4.26	4.67	4.62	4.89	5.07	3.88	3.87	3.75	3.84	3.73	3.53	4.21	49.57
LT	83.45	8.10	9.05	9.42	10.38	9.03	9.08	8.48	7.98	8.04	5.70	5.23	9.49	95.38
TOTAL	179.02	16.08	15.68	17.93	17.82	17.83	16.60	16.22	15.60	14.18	13.58	12.44	17.10	189.16
Collection from Govt Dept. & PSU	8.34	1.84	1.93	1.71	2.96	2.63	2.10	1.96	1.82	1.70	1.99	1.88	3.18	27.67
COLLECTION (PAI) Rs.	5.48	4.73	4.61	5.24	5.18	5.84	5.35	5.45	6.41	6.24	6.27	5.02	6.14	5.51
COLLECTION EFFICIENCY (%)														
EHT	98.61%	103.57%	91.41%	146.98%	71.14%	104.75%	91.84%	100.01%	96.61%	80.73%	113.24%	107.63%	93.37%	100.10%
HT	96.80%	134.61%	87.28%	93.59%	96.00%	127.00%	105.20%	103.13%	107.55%	94.82%	105.52%	86.80%	85.44%	99.97%
LT	101.32%	82.32%	86.19%	86.94%	99.96%	97.35%	96.15%	98.85%	105.93%	111.46%	109.01%	101.84%	170.08%	102.95%
HT & LT	100.31%	90.97%	93.00%	89.03%	99.86%	106.40%	98.75%	100.01%	106.44%	104.91%	107.80%	95.23%	130.41%	100.98%
OVERALL (%)	100.52%	93.86%	92.63%	97.36%	93.32%	106.09%	97.16%	100.01%	103.82%	102.46%	109.26%	98.54%	120.87%	100.77%
Collection efficiency excl. Govt & PSU dues %)	101.05%	98.25%	95.28%	101.54%	80.89%	110.79%	97.55%	101.19%	105.80%	103.25%	111.79%	99.17%	100.68%	100.96%
AT & C LOSS(%)														
LT	6.88%	34.00%	24.07%	20.20%	2.90%	8.16%	9.40%	12.06%	-10.14%	-14.67%	4.60%	8.84%	-19.09%	8.15%
HT & LT	13.42%	20.07%	27.65%	23.09%	11.18%	3.20%	13.19%	15.54%	-6.71%	1.72%	9.04%	18.04%	2.55%	12.69%
OVERALL (%)	13.90%	22.99%	24.28%	16.41%	14.37%	1.81%	12.27%	12.42%	3.40%	2.28%	3.16%	11.96%	3.44%	10.99%

PERIOD OF REVIEW - APR-22 TO MAR-24														
NAME OF THE DIVISION	BTED, BASTA													
PARTICULARS	2022-23 (Apr to Mar)	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	101.636	10.888	14.642	14.440	16.334	13.988	13.492	13.098	8.313	6.182	12.297	13.704	14.211	168.584
BST Bill of GRIDCO (Rs. in Cr.)	32.82	3.70	5.28	5.19	5.86	5.01	4.84	4.70	2.94	2.94	4.41	4.92	5.10	97.29
BST Bill (PSU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HT	2.918	0.277	0.442	0.301	0.280	0.259	0.346	0.327	0.289	0.232	0.219	0.308	0.253	3.442
LT	83.323	7.817	7.920	8.965	8.985	9.825	9.555	8.405	4.702	4.874	4.830	6.080	7.535	89.836
TOTAL SALE (MU)	85.841	8.094	8.362	10.266	9.265	10.084	9.901	8.732	4.991	5.106	4.249	6.388	7.788	93.278
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	39.17%	45.46%	39.21%	23.28%	39.67%	21.91%	20.81%	28.29%	43.21%	33.28%	63.67%	50.89%	40.43%	37.36%
HT & LT	43.39%	49.08%	42.89%	28.94%	43.28%	27.73%	26.62%	33.32%	46.41%	37.87%	65.40%	54.04%	44.48%	41.57%
OVERALL (%)	43.39%	49.08%	42.89%	28.94%	43.28%	27.73%	26.62%	33.32%	46.41%	37.87%	65.40%	54.04%	44.48%	41.57%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	60.83%	54.51%	60.79%	76.72%	60.33%	78.09%	79.19%	71.71%	56.79%	66.72%	36.33%	49.11%	59.57%	62.64%
HT & LT	56.61%	50.94%	57.11%	71.06%	56.72%	72.27%	73.38%	66.68%	53.59%	62.13%	34.60%	45.96%	55.52%	58.43%
OVERALL (%)	56.61%	50.94%	57.11%	71.06%	56.72%	72.27%	73.38%	66.68%	53.59%	62.13%	34.60%	45.96%	55.52%	58.43%
BILLING TO CONSUMERS (Rs. in Cr.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	1.81	0.15	0.22	0.16	0.15	0.14	0.19	0.18	0.16	0.14	0.13	0.12	0.15	1.89
LT	40.44	3.66	4.03	5.14	4.56	4.45	4.64	4.45	3.03	2.92	2.44	3.01	3.37	45.61
TOTAL	42.05	3.81	4.25	5.31	4.71	4.59	4.82	4.63	3.19	3.06	2.57	3.13	3.52	47.50
Billing to Govt Dept. & PSU	3.92	0.39	0.39	0.41	0.40	0.43	0.44	0.43	0.44	0.58	0.47	0.43	0.41	5.24
COLLECTION RECEIVED (Rs. in Cr.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	1.59	0.16	0.15	0.11	0.27	0.15	0.14	0.19	0.19	0.16	0.14	0.13	0.12	1.91
LT	43.23	2.88	3.48	3.81	4.29	3.82	4.58	4.34	3.58	3.58	3.41	2.86	7.84	46.76
TOTAL	44.78	3.04	3.63	4.02	4.56	3.97	4.72	4.52	4.17	3.74	3.55	2.79	7.96	50.67
Collection from Govt Dept. & PSU	4.33	0.04	0.06	3.53	0.19	0.04	0.37	0.59	0.43	0.20	0.45	0.03	2.32	4.90
COLLECTION (PSU) Rs.	2.95	1.91	2.49	2.78	2.79	2.84	3.50	3.45	4.48	4.50	2.89	2.04	5.60	3.18
COLLECTION EFFICIENCY (%)														
EHT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
HT	96.32%	104.33%	68.98%	68.22%	185.37%	108.69%	72.42%	102.28%	118.94%	119.78%	108.87%	104.19%	83.20%	101.00%
LT	106.90%	78.77%	86.31%	75.97%	94.01%	85.88%	96.52%	97.40%	131.31%	126.80%	139.85%	88.43%	232.56%	106.92%
HT & LT	106.50%	79.78%	85.40%	75.73%	96.88%	86.08%	97.79%	97.60%	130.69%	126.33%	138.00%	89.08%	226.21%	106.69%
OVERALL (%)	106.50%	79.78%	85.40%	75.73%	96.88%	86.08%	97.79%	97.60%	130.69%	126.33%	138.00%	89.08%	226.21%	106.69%
Collection efficiency excl. of Govt & PSU dues (%)	106.68%	87.64%	92.48%	78.21%	101.48%	86.21%	99.22%	83.98%	136.32%	146.18%	147.12%	102.29%	181.44%	109.33%
AT & C LOSS(%)														
LT	34.98%	57.06%	47.53%	41.72%	42.72%	32.83%	21.75%	30.16%	25.42%	15.39%	49.27%	56.57%	-39.03%	33.62%
HT & LT	39.71%	59.36%	51.23%	46.18%	45.00%	37.46%	28.24%	34.93%	29.96%	21.26%	52.31%	59.07%	-25.59%	37.66%
OVERALL (%)	39.71%	59.36%	51.23%	46.18%	45.00%	37.46%	28.24%	34.93%	29.96%	21.26%	52.31%	59.07%	-25.59%	37.66%

PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION	JED, JALESWAR													
PARTICULARS	2023-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy input (MU)	257.579	26.022	24.428	21.830	25.694	23.831	22.333	21.275	15.602	19.022	21.402	22.532	22.340	263.942
BST Bill of GRIDCO (Rs. in Cr's.)	89.50	9.02	8.77	7.84	9.22	8.56	8.02	7.64	5.67	6.39	7.69	8.09	8.02	94.43
BST Bill (PU)		3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	
SALE TO CONSUMERS (MU)														
EHT	60.290	5.197	5.467	3.239	5.034	4.889	5.129	5.169	5.136	5.249	5.214	5.033	5.310	60.262
HT	4.124	0.447	0.548	0.504	0.422	0.482	0.477	0.491	0.431	0.395	0.343	0.359	0.397	5.297
LT	125.619	11.832	13.164	13.628	14.488	14.298	14.070	12.066	5.882	6.838	4.479	7.906	9.186	127.947
TOTAL SALE (MU)	190.033	17.476	19.289	17.371	19.954	19.768	19.676	17.745	11.449	12.581	10.036	13.298	14.893	193.446
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	29.18%	38.28%	22.00%	17.80%	21.99%	15.17%	8.34%	15.67%	27.30%	19.30%	69.27%	49.77%	38.85%	25.43%
HT & LT	34.24%	42.42%	27.01%	23.96%	27.78%	21.57%	15.44%	21.94%	40.81%	34.87%	70.27%	52.77%	43.73%	34.31%
OVERALL (%)	26.22%	34.11%	21.40%	20.43%	22.34%	17.06%	11.90%	16.58%	27.55%	16.29%	52.17%	46.56%	33.33%	26.46%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	70.82%	61.72%	78.00%	82.10%	78.01%	84.83%	91.66%	84.33%	62.70%	80.70%	30.73%	50.23%	60.15%	75.57%
HT & LT	65.76%	57.58%	72.39%	76.02%	72.22%	78.43%	84.56%	78.06%	59.19%	75.03%	29.73%	47.23%	56.27%	69.69%
OVERALL (%)	73.78%	65.89%	78.60%	79.57%	77.66%	82.94%	88.10%	83.41%	72.45%	83.75%	46.83%	59.02%	66.67%	73.54%
BILLING TO CONSUMERS (Rs. in Cr's.)														
EHT	46.74	3.41	3.68	2.39	3.27	3.37	3.55	3.36	3.33	3.78	3.34	3.31	3.80	38.99
HT	2.56	0.25	0.29	0.28	0.27	0.28	0.28	0.28	0.28	0.27	0.24	0.24	0.25	3.17
LT	56.79	5.10	5.43	6.32	6.90	6.27	6.26	5.81	3.59	3.57	3.05	3.78	4.12	59.61
TOTAL	100.62	8.76	9.40	8.99	10.63	9.92	9.87	9.25	7.19	7.62	6.63	7.34	7.87	102.77
Billing to Govt Dept. & PSU	6.46	0.58	0.66	0.68	0.71	0.70	0.71	0.68	0.70	0.62	0.61	0.61	0.62	7.90
COLLECTION RECEIVED (Rs. in Cr's.)														
EHT	46.55	3.39	3.41	3.68	2.30	3.27	3.37	3.35	3.36	3.33	3.78	3.34	3.31	38.80
HT	2.55	0.25	0.25	0.28	0.28	0.29	0.14	0.40	0.28	0.20	0.24	0.27	0.27	3.19
LT	61.22	3.85	4.02	5.86	6.17	5.43	6.21	5.84	5.30	4.50	4.29	3.52	9.25	64.95
TOTAL	104.33	7.49	8.68	9.83	8.73	8.99	9.52	9.58	8.94	8.09	8.31	7.12	12.83	106.92
Collection from Govt Dept. & PSU	7.38	0.19	0.15	0.42	0.55	0.23	0.46	0.78	0.82	0.30	0.48	0.27	2.66	7.52
COLLECTION (PU) Rs.	4.05	2.62	3.01	4.50	3.49	3.77	4.26	4.50	5.66	5.38	3.88	3.16	5.74	4.11
COLLECTION EFFICIENCY (%)														
EHT	99.53%	99.51%	92.68%	100.89%	70.41%	97.00%	100.52%	99.69%	100.86%	88.09%	113.43%	100.77%	94.66%	99.74%
HT	101.84%	99.92%	86.22%	100.29%	99.58%	104.10%	54.95%	143.58%	108.84%	94.61%	99.29%	111.09%	107.65%	100.42%
LT	107.82%	75.51%	80.65%	92.65%	84.80%	86.62%	86.08%	103.96%	147.88%	126.08%	140.83%	92.84%	224.64%	106.95%
HT & LT	107.37%	76.53%	80.42%	93.23%	84.97%	87.36%	84.40%	105.84%	144.88%	123.90%	137.52%	94.03%	217.89%	106.52%
OVERALL (%)	104.20%	85.47%	91.30%	110.48%	86.88%	93.63%	96.48%	103.56%	124.46%	106.11%	126.45%	97.07%	163.10%	105.10%
Collection efficiency excl. Govt & PSU dues %)	103.84%	89.26%	98.38%	114.56%	87.73%	94.97%	88.99%	102.74%	125.28%	111.14%	130.17%	101.80%	137.64%	105.93%
AT & C LOSS(%)														
LT	23.64%	53.40%	29.32%	23.93%	25.97%	26.52%	11.86%	12.31%	7.42%	-1.75%	59.73%	53.32%	35.13%	33.12%
HT & LT	29.28%	55.94%	34.84%	29.13%	31.41%	31.46%	20.18%	17.38%	34.26%	7.04%	58.51%	55.38%	-22.91%	38.71%
OVERALL (%)	23.69%	43.68%	28.25%	12.09%	22.40%	24.83%	16.00%	13.59%	8.83%	11.13%	41.26%	42.71%	-8.73%	32.76%

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PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION							CEO, BALASORE							
PARTICULARS	2023-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	488.412	80.110	67.930	61.315	73.693	72.733	64.234	71.713	53.768	38.965	44.021	49.828	71.900	791.868
BST Bill of GRIDCO (Rs. in Cr.)	170.48	28.76	31.57	29.19	26.33	26.11	23.08	25.74	19.30	13.99	16.02	17.89	25.83	283.99
BST Bill (PU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	196.029	34.001	38.049	31.035	42.836	44.732	36.965	46.089	33.250	26.667	25.945	28.702	47.969	490.883
HT	64.212	6.010	6.998	6.306	6.841	6.218	5.822	5.899	5.413	5.612	5.777	5.933	6.124	72.751
LT	131.097	11.869	12.466	13.495	14.701	14.750	14.697	12.599	7.701	7.421	5.380	8.545	8.149	131.723
TOTAL SALE (MU)	391.338	71.880	77.512	70.836	64.178	65.698	57.484	64.587	46.364	33.694	36.602	44.180	62.262	695.357
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	35.98%	33.82%	36.17%	27.38%	32.97%	24.63%	23.71%	28.79%	42.58%	33.90%	55.15%	32.09%	48.84%	35.25%
HT & LT	33.29%	31.31%	34.86%	34.81%	31.28%	25.13%	24.75%	27.67%	35.94%	28.86%	42.04%	29.06%	40.45%	31.88%
OVERALL (%)	10.88%	10.19%	11.85%	12.89%	13.15%	9.67%	10.51%	9.99%	13.71%	13.53%	17.97%	11.33%	13.47%	12.16%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	94.02%	88.18%	90.83%	92.62%	87.03%	75.47%	76.29%	71.21%	57.42%	66.10%	44.85%	67.91%	51.16%	64.75%
HT & LT	86.80%	69.69%	65.14%	85.38%	68.72%	74.88%	75.25%	72.13%	64.06%	71.20%	57.96%	71.94%	59.55%	68.12%
OVERALL (%)	89.12%	89.81%	88.15%	87.11%	86.85%	90.33%	89.49%	90.04%	86.29%	86.47%	82.03%	88.67%	86.63%	87.96%
BILLING TO CONSUMERS (Rs. in Cr.)														
EHT	118.94	21.66	23.62	20.04	26.42	27.14	22.56	27.97	20.18	12.58	16.20	18.18	28.83	287.36
HT	40.43	3.67	4.12	3.71	3.88	3.65	3.49	3.53	3.32	3.63	3.77	3.80	3.79	44.36
LT	67.21	6.18	6.25	7.70	7.75	7.21	7.66	6.94	5.08	4.76	4.06	5.00	5.01	73.60
TOTAL	226.58	41.51	43.99	41.40	38.05	38.06	33.71	38.44	28.58	21.98	24.03	27.98	37.62	415.38
Billing to Govt Dept. & PSU	5.77	0.74	0.75	0.78	0.82	0.89	0.88	0.93	0.87	0.85	0.80	0.77	0.79	9.88
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	157.42	30.32	36.11	39.95	36.55	32.58	33.69	29.09	18.52	26.82	13.74	20.43	23.18	347.72
HT	39.96	3.57	3.88	4.05	3.72	3.83	3.62	3.47	3.56	3.31	3.77	3.92	3.87	44.31
LT	73.89	5.06	5.55	6.72	7.59	8.60	7.27	7.24	6.33	5.81	5.24	4.83	12.29	88.37
TOTAL	270.38	44.96	47.33	50.73	47.86	42.99	44.58	39.77	28.39	34.73	22.75	29.69	39.34	472.40
Collection from Govt Dept. & PSU	6.34	0.29	0.28	0.41	1.42	0.51	0.84	1.03	0.80	0.71	0.60	0.48	2.32	9.49
COLLECTION (PU) Rs.	5.84	5.61	5.58	6.24	6.48	5.91	6.94	5.59	5.27	6.91	5.10	5.82	5.47	5.97
COLLECTION EFFICIENCY (%)														
EHT	132.36%	114.74%	113.35%	133.00%	138.33%	118.94%	149.31%	103.90%	91.91%	186.54%	84.83%	106.52%	80.38%	116.94%
HT	98.85%	97.37%	88.84%	109.38%	98.01%	104.96%	103.87%	98.39%	105.38%	91.11%	88.77%	103.14%	102.28%	99.88%
LT	108.61%	81.65%	88.81%	87.37%	97.85%	90.87%	94.96%	104.34%	124.49%	122.01%	128.18%	93.02%	245.42%	109.11%
HT & LT	119.94%	87.63%	88.88%	94.82%	97.23%	95.58%	97.75%	102.33%	116.83%	108.64%	115.01%	97.39%	163.83%	105.64%
OVERALL (%)	119.33%	108.30%	107.58%	122.41%	125.77%	112.96%	132.26%	103.47%	99.27%	158.04%	94.87%	103.64%	104.58%	113.73%
Collection efficiency after Govt & PSU dues (%)	115.58%	109.04%	108.81%	123.76%	124.74%	114.27%	133.84%	103.31%	99.48%	161.04%	95.32%	104.90%	100.51%	114.16%
AT & C LOSS(%)														
LT	38.47%	45.83%	45.82%	45.29%	34.41%	31.42%	27.96%	25.70%	28.81%	19.36%	42.06%	36.63%	-25.56%	29.38%
HT & LT	29.95%	39.61%	42.11%	38.19%	33.18%	28.43%	26.45%	26.19%	25.10%	22.04%	33.33%	29.94%	-0.46%	28.04%
OVERALL (%)	4.38%	2.73%	5.16%	-6.84%	-8.23%	2.03%	-18.38%	6.84%	14.54%	-36.68%	22.38%	8.10%	9.53%	0.03%

PERIOD OF REVIEW : APR-23 TO MAR-24														
NAME OF THE DIVISION	BRD, SONO													
PARTICULARS	2023-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	229.752	19.903	24.310	24.909	25.109	22.946	22.472	21.188	16.381	13.394	14.232	14.660	18.899	237.623
BST Bill of GRIDCO (Rs. in Crs.)	77.84	7.15	8.73	8.94	9.01	8.24	8.07	7.58	5.51	4.81	5.11	5.38	6.78	85.31
BST Bill (PU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HT	29.728	2.579	3.465	3.097	3.446	3.025	2.741	2.446	2.328	2.329	2.752	3.124	2.835	34.628
LT	129.781	12.154	13.046	16.278	15.980	15.568	16.082	13.618	10.924	7.815	6.443	8.716	9.347	145.869
TOTAL SALE (MU)	159.421	14.732	16.511	19.375	19.326	18.591	18.823	16.064	13.250	10.144	9.195	11.840	12.042	179.894
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	25.19%	22.74%	32.97%	17.87%	19.20%	13.93%	10.32%	19.77%	7.47%	21.80%	37.70%	18.22%	36.38%	20.88%
HT & LT	27.78%	25.98%	32.08%	22.22%	23.03%	16.88%	16.24%	23.80%	13.74%	24.26%	35.39%	20.86%	36.28%	24.29%
OVERALL (%)	27.78%	25.98%	32.08%	22.22%	23.03%	16.88%	16.24%	23.80%	13.74%	24.26%	35.39%	20.86%	36.28%	24.29%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	74.81%	77.26%	69.03%	82.13%	80.80%	86.07%	89.68%	80.23%	92.53%	78.20%	62.30%	81.78%	63.62%	79.02%
HT & LT	72.22%	74.02%	67.92%	77.78%	76.97%	81.02%	83.76%	76.10%	86.26%	75.74%	64.61%	79.04%	63.72%	75.71%
OVERALL (%)	72.22%	74.02%	67.92%	77.78%	76.97%	81.02%	83.76%	76.10%	86.26%	75.74%	64.61%	79.04%	63.72%	75.71%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	18.61	1.51	1.77	1.52	1.64	1.50	1.40	1.20	1.13	1.27	1.61	1.83	1.57	17.00
LT	65.33	6.18	6.58	8.31	7.93	7.98	8.06	7.32	6.31	4.68	4.09	4.98	5.40	77.29
TOTAL	83.94	7.69	8.36	9.83	9.58	9.06	9.46	8.52	7.44	5.95	5.70	6.80	6.97	95.34
Billing to Govt Dept. & PSU	0.24	0.47	0.46	0.47	0.51	0.57	0.58	0.57	0.51	0.51	0.49	0.63	0.63	6.36
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	18.26	1.67	1.44	1.75	1.43	1.78	1.40	1.43	1.19	1.24	1.23	1.09	1.91	18.16
LT	74.13	3.23	6.21	6.83	7.52	6.44	6.83	7.32	6.76	5.54	5.06	5.01	11.18	80.02
TOTAL	92.39	4.90	7.66	8.58	8.96	8.22	8.36	8.74	7.94	6.78	6.30	6.09	13.09	98.11
Collection from Govt Dept. & PSU	5.43	0.17	0.18	0.15	0.48	0.17	0.29	0.46	0.34	0.32	0.41	0.17	2.97	5.11
COLLECTION (PU) Rs.	4.19	3.47	3.15	3.44	3.57	3.58	3.72	4.14	5.17	5.06	4.42	4.41	6.02	4.13
COLLECTION EFFICIENCY (%)														
EHT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
HT	98.09%	110.45%	81.80%	114.79%	87.20%	118.80%	101.83%	119.05%	105.79%	97.50%	76.78%	86.81%	121.68%	100.81%
LT	112.48%	84.84%	94.21%	92.23%	94.85%	89.14%	86.02%	99.91%	108.02%	118.43%	123.62%	103.06%	208.95%	103.53%
HT & LT	110.07%	88.71%	91.59%	97.27%	93.54%	90.75%	86.36%	102.60%	106.75%	113.96%	110.55%	98.81%	187.74%	102.01%
OVERALL (%)	110.07%	88.71%	91.59%	97.27%	93.54%	90.75%	86.36%	102.60%	106.75%	113.96%	110.55%	98.81%	187.74%	102.01%
Collection efficiency with Govt & PSU dues (%)	119.49%	93.25%	94.62%	99.00%	93.42%	94.80%	90.60%	104.33%	109.68%	118.87%	113.09%	108.11%	168.51%	103.54%
AT & C LOSS(%)														
LT	15.10%	34.61%	34.97%	32.46%	23.36%	28.72%	22.86%	19.84%	1.07%	7.38%	22.86%	15.72%	-31.66%	18.19%
HT & LT	20.51%	33.59%	37.79%	32.12%	28.01%	26.52%	25.96%	21.82%	7.82%	13.68%	28.59%	22.06%	-19.62%	22.01%
OVERALL (%)	20.51%	33.59%	37.79%	32.12%	28.01%	26.52%	25.96%	21.82%	7.82%	13.68%	28.59%	22.06%	-19.62%	22.01%

PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION	BWED, BHADRAK NORTH													
PARTICULARS	2023-33 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	652.482	54.868	56.923	55.529	58.626	58.962	57.501	53.084	38.843	38.972	37.625	37.413	46.427	592.783
BST Bill of GRIDCO (Rs. In Crs.)	227.72	19.70	20.44	19.93	21.05	21.16	20.64	19.06	13.94	13.27	13.51	13.43	16.67	212.80
BST Bill (PSU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	270.579	17.450	14.871	14.086	17.926	19.370	18.996	17.586	14.425	16.678	17.206	15.400	16.003	206.271
HT	25.580	2.766	3.281	2.904	2.617	2.703	2.662	2.228	1.464	1.113	1.811	2.012	2.142	27.389
LT	211.761	19.376	21.031	25.052	24.075	24.305	25.887	21.999	17.466	13.334	10.472	12.229	12.889	227.895
TOTAL SALE (MU)	515.900	39.596	39.183	42.022	44.618	46.378	47.315	41.810	33.345	31.325	29.379	29.641	31.034	455.548
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	33.58%	38.79%	40.80%	28.91%	30.66%	27.90%	21.68%	27.71%	16.87%	23.25%	39.09%	32.95%	50.14%	31.71%
HT & LT	36.53%	40.62%	42.19%	32.58%	34.42%	31.77%	26.45%	31.76%	22.52%	28.13%	41.05%	35.31%	50.59%	34.96%
OVERALL (%)	20.92%	27.63%	31.16%	24.32%	23.90%	21.33%	17.71%	21.24%	14.15%	19.27%	22.18%	20.77%	33.16%	23.15%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	66.50%	61.21%	59.40%	71.09%	69.12%	72.10%	78.32%	72.29%	83.13%	76.75%	60.91%	67.05%	49.86%	68.29%
HT & LT	63.47%	59.16%	57.81%	67.42%	65.58%	68.23%	73.55%	68.24%	77.48%	71.90%	58.95%	64.69%	49.41%	65.04%
OVERALL (%)	79.07%	72.17%	68.84%	75.68%	76.10%	78.67%	82.29%	78.76%	85.85%	84.73%	77.82%	79.23%	66.94%	76.85%
BILLING TO CONSUMERS (Rs. In Crs.)														
EHT	164.12	11.66	9.80	9.30	11.52	12.53	12.21	11.35	9.61	10.99	11.28	10.08	10.60	130.97
HT	17.68	1.81	2.19	2.00	1.78	1.79	1.80	1.55	1.17	1.02	1.29	1.50	1.44	19.32
LT	113.20	10.08	11.03	13.49	12.84	12.52	13.44	11.97	10.15	7.93	6.70	7.25	9.12	125.50
TOTAL	295.00	23.53	23.03	24.79	26.12	26.83	27.45	24.88	20.93	19.93	19.27	18.83	20.22	275.79
Billing to Govt Dept. & PSU	9.58	0.93	1.08	1.11	1.19	1.14	1.20	1.38	1.17	1.06	0.98	1.06	0.99	13.15
COLLECTION RECEIVED (Rs. In Crs.)														
EHT	158.71	14.56	11.88	9.87	9.30	11.52	12.53	12.21	11.35	9.61	10.99	11.28	10.58	134.05
HT	17.67	1.47	1.79	2.28	1.91	1.68	1.73	1.91	1.56	1.14	1.29	1.31	1.55	19.37
LT	121.03	8.34	9.57	10.61	11.98	10.52	11.32	10.59	9.96	9.30	7.74	6.91	21.08	127.89
TOTAL	297.40	24.38	23.82	22.74	23.17	23.70	25.58	24.70	22.88	20.04	19.82	19.50	32.68	282.21
Collection from Govt Dept. & PSU	9.73	0.42	0.46	0.60	1.28	0.75	0.74	1.20	1.10	1.03	1.03	0.88	2.83	12.38
COLLECTION (P/U) Rs.	4.66	4.44	4.04	4.10	3.95	4.02	4.45	4.85	5.89	5.42	5.27	5.21	7.04	4.76
COLLECTION EFFICIENCY (%)														
EHT	96.70%	124.88%	118.98%	106.09%	80.75%	91.97%	102.61%	107.54%	118.17%	87.44%	97.38%	111.97%	94.59%	103.84%
HT	99.96%	81.57%	81.82%	113.17%	106.42%	92.73%	96.05%	122.69%	133.54%	111.87%	85.12%	87.06%	107.35%	100.36%
LT	106.92%	82.02%	86.75%	78.70%	93.15%	84.06%	84.25%	88.40%	88.25%	117.24%	115.41%	95.40%	259.20%	101.89%
HT & LT	105.96%	82.71%	85.86%	83.14%	94.06%	85.08%	86.64%	92.33%	101.86%	116.63%	110.54%	93.97%	236.25%	101.68%
OVERALL (%)	100.81%	103.61%	99.96%	91.76%	88.71%	88.38%	93.19%	99.27%	109.38%	100.54%	102.83%	103.80%	161.85%	102.33%
Collection efficiency of Govt & PSU dues (%)	100.79%	105.99%	102.70%	93.48%	87.90%	89.30%	94.66%	89.01%	110.26%	100.64%	102.79%	104.90%	155.24%	102.77%
AT & C LOSS(%)														
LT	28.90%	69.24%	48.50%	44.06%	39.61%	39.44%	34.02%	36.13%	18.33%	10.02%	29.70%	38.04%	-29.25%	30.42%
HT & LT	32.74%	51.05%	50.36%	43.94%	37.71%	41.94%	37.01%	36.89%	21.06%	16.18%	34.64%	39.21%	-16.73%	33.87%
OVERALL (%)	20.29%	28.23%	31.19%	30.56%	32.49%	30.53%	23.32%	21.81%	8.12%	14.81%	19.98%	17.92%	-8.05%	21.38%

PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION	BSED, BHADRAK SOUTH													
PARTICULARS	2022-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	168.323	15.094	16.825	17.000	17.967	16.748	16.758	15.841	10.561	8.804	9.221	9.928	13.606	168.273
BST Bill of GRIDCO (Rs. in Crs.)	98.81	5.42	6.04	6.10	6.46	6.01	6.02	5.62	3.79	3.16	3.35	3.56	4.88	60.41
BST Bill (PTU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	1.847	0.108	0.099	0.078	0.018	0.050	0.001	0.001	0.002	0.004	0.018	0.002	0.003	0.369
HT	3.531	0.373	0.379	0.372	0.391	0.453	0.483	0.309	0.230	0.224	0.402	0.466	0.387	4.668
LT	101.882	8.754	9.382	12.142	11.851	11.248	11.978	9.992	8.291	5.499	3.648	8.309	5.750	102.913
TOTAL SALE (MU)	105.660	9.235	9.854	12.593	12.260	11.752	12.380	10.302	8.523	5.727	4.068	8.796	6.140	107.890
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	32.86%	34.74%	37.48%	20.09%	26.58%	24.55%	20.23%	29.63%	33.04%	30.14%	55.29%	27.04%	52.59%	31.42%
HT & LT	37.54%	39.10%	41.83%	25.94%	31.87%	29.92%	26.13%	34.14%	37.61%	34.97%	58.48%	31.55%	54.86%	36.00%
OVERALL (%)	37.30%	38.82%	41.42%	25.82%	31.64%	29.83%	26.12%	34.13%	37.67%	34.85%	58.39%	31.55%	54.87%	36.00%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	67.14%	65.26%	62.52%	79.91%	73.42%	75.45%	79.77%	70.97%	66.96%	69.86%	44.71%	72.96%	47.41%	68.58%
HT & LT	62.46%	60.90%	58.37%	73.96%	68.13%	70.08%	73.87%	65.86%	62.33%	65.03%	43.52%	68.45%	45.12%	63.92%
OVERALL (%)	62.70%	61.18%	58.58%	74.08%	68.36%	70.17%	73.88%	65.87%	62.33%	65.05%	43.62%	68.45%	45.13%	64.00%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	0.65	0.09	0.07	0.07	0.02	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.31
HT	3.14	0.28	0.28	0.28	0.29	0.33	0.36	0.24	0.18	0.21	0.32	0.37	0.30	3.38
LT	51.15	4.42	4.70	6.11	5.88	5.49	6.00	5.35	3.91	3.32	2.54	3.37	3.04	54.72
TOTAL	55.13	4.79	5.05	6.46	6.20	5.87	6.36	5.58	4.09	3.54	2.87	3.74	3.34	58.41
Billing to Govt Dept. & PSU	3.40	0.33	0.38	0.38	0.39	0.41	0.43	0.53	0.46	0.50	0.38	0.43	0.49	5.02
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	0.60	0.07	0.09	0.00	0.05	0.02	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.29
HT	3.08	0.32	0.36	0.22	0.24	0.26	0.30	0.31	0.31	0.17	0.24	0.30	0.42	3.49
LT	65.33	4.01	4.29	4.88	5.33	5.02	5.29	5.43	4.81	4.56	3.98	3.02	10.08	65.80
TOTAL	69.21	4.40	4.76	5.30	5.62	5.30	5.62	5.74	5.12	4.76	4.21	3.35	10.49	64.59
Collection from Govt Dept. & PSU	3.94	0.10	0.17	0.16	0.33	0.25	0.16	0.55	0.47	0.27	0.41	0.20	1.16	4.24
COLLECTION (PSU) Rs.	4.11	2.91	2.83	3.06	3.13	3.16	3.36	3.67	4.86	5.41	4.51	3.38	7.71	3.84
COLLECTION EFFICIENCY (%)														
EHT	94.15%	82.24%	127.78%	1.02%	334.61%	35.67%	3164.28%	118.67%	70.58%	40.48%	27.81%	1078.57%	48.28%	95.34%
HT	98.16%	114.67%	139.58%	79.78%	81.77%	78.48%	100.37%	130.35%	170.38%	82.50%	75.80%	85.48%	139.53%	103.40%
LT	127.72%	96.51%	91.32%	91.52%	89.21%	91.43%	88.16%	101.62%	123.06%	138.01%	156.22%	89.73%	284.77%	111.11%
HT & LT	126.61%	91.97%	93.82%	91.44%	88.86%	90.70%	86.73%	102.83%	125.13%	134.70%	147.28%	89.36%	273.44%	110.66%
OVERALL (%)	125.52%	91.80%	94.27%	90.58%	89.48%	90.28%	89.42%	102.83%	125.11%	134.59%	146.65%	89.67%	273.27%	110.58%
Collection efficiency excl. Govt & PSU dues (%)	126.18%	96.26%	98.22%	93.02%	89.74%	92.41%	93.34%	102.72%	127.90%	147.68%	152.98%	95.41%	271.19%	113.03%
AT & C LOSS(%)														
LT	14.34%	40.93%	42.91%	34.86%	34.56%	31.01%	29.88%	27.86%	17.64%	3.65%	30.19%	34.53%	-35.02%	23.86%
HT & LT	21.28%	43.99%	45.24%	39.77%	38.46%	36.44%	34.45%	32.27%	22.01%	12.40%	35.80%	38.87%	-23.38%	29.27%
OVERALL (%)	21.30%	43.84%	44.78%	40.30%	39.01%	36.65%	33.94%	32.27%	22.02%	12.45%	36.03%	38.62%	-23.32%	29.33%

PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION	BPED, BARIPADA													
PARTICULARS	2023-24 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	340.179	31.580	22.994	34.588	34.813	33.326	32.202	30.013	22.072	21.226	22.467	22.823	27.624	346.817
BST Bill of GRIDCO (Rs. In Crs.)	118.72	11.34	12.20	12.42	12.50	11.96	11.56	10.77	7.92	7.62	8.07	8.19	9.82	124.31
BST Bill (PAI)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HT	25.165	2.300	2.457	2.195	2.589	2.442	2.102	2.108	2.128	2.031	2.781	2.980	3.093	26.769
LT	223.337	21.844	18.149	21.985	23.773	23.586	23.793	19.869	14.244	13.561	11.202	15.006	13.153	220.134
TOTAL SALE (MU)	**248.502**	**24.144**	**20.606**	**24.180**	**26.362**	**26.027**	**25.895**	**21.968**	**16.384**	**16.092**	**13.983**	**17.986**	**16.246**	**249.023**
T & D LOSS (%)														
HT (Assume 8%)	**8.00%**	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	**8.00%**
LT	**22.40%**	18.38%	37.02%	28.75%	18.25%	16.42%	13.90%	27.13%	21.68%	20.27%	37.48%	18.71%	41.07%	**23.80%**
HT & LT	**26.95%**	23.57%	39.38%	30.08%	24.26%	21.91%	19.51%	26.81%	25.88%	24.23%	37.85%	21.19%	41.19%	**27.94%**
OVERALL (%)	**26.95%**	23.57%	39.38%	30.08%	24.26%	21.91%	19.51%	26.81%	25.88%	24.23%	37.85%	21.19%	41.19%	**27.94%**
Billing Efficiency (%)														
HT	**92.00%**	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	**92.00%**
LT	**77.60%**	81.62%	62.98%	74.25%	80.75%	83.58%	86.50%	77.87%	78.32%	79.73%	62.52%	83.29%	58.93%	**76.19%**
HT & LT	**73.05%**	76.43%	60.62%	69.94%	75.72%	78.09%	80.49%	73.19%	74.14%	75.77%	62.15%	78.81%	58.81%	**72.06%**
OVERALL (%)	**73.05%**	**76.43%**	**60.62%**	**69.94%**	75.72%	**78.09%**	80.49%	73.19%	74.14%	75.77%	62.15%	78.81%	58.81%	**72.06%**
BILLING TO CONSUMERS (Rs. In Crs.)														
EHT	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
HT	**19.35**	1.65	1.76	1.59	1.81	1.71	1.58	1.61	1.66	1.63	2.03	2.19	2.09	**21.01**
LT	**121.25**	11.98	10.19	13.11	13.10	12.68	13.29	11.53	9.06	9.47	7.40	8.95	8.14	**127.89**
TOTAL	**139.59**	**13.63**	**11.96**	**14.70**	**14.91**	**14.40**	**14.87**	**13.14**	**10.72**	**10.48**	**9.43**	**11.13**	**10.23**	**148.90**
Billing to Govt Dept. & PSU	16.15	1.98	1.63	1.62	1.92	1.98	2.09	1.99	1.90	1.72	1.88	1.70	1.77	22.31
COLLECTION RECEIVED (Rs. In Crs.)														
EHT	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
HT	**19.01**	1.58	1.58	1.93	1.53	1.79	1.67	1.62	1.86	1.65	1.88	2.12	2.21	**21.22**
LT	**127.62**	9.25	10.02	12.43	13.12	11.71	12.19	12.17	10.36	10.31	8.99	8.19	17.97	**127.67**
TOTAL	**146.64**	**10.83**	**11.59**	**14.36**	**14.66**	**13.50**	**13.82**	**13.79**	**12.03**	**11.96**	**10.88**	**11.31**	**20.18**	**158.90**
Collection from Govt Dept. & PSU	**18.50**	0.82	0.88	1.66	2.43	2.33	1.58	2.07	1.28	1.54	1.39	1.20	4.58	**21.69**
COLLECTION (PAI) Rs.	**4.28**	3.43	3.41	4.15	4.21	4.05	4.28	4.62	3.45	3.83	4.84	4.85	7.30	**4.58**
COLLECTION EFFICIENCY (%)														
EHT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	**#DIV/0!**
HT	**98.19%**	85.72%	89.91%	121.43%	84.91%	104.30%	106.04%	100.67%	100.67%	85.84%	92.57%	97.21%	105.53%	**99.21%**
LT	**105.26%**	77.31%	99.38%	94.84%	100.16%	92.35%	91.38%	105.58%	114.37%	121.64%	121.37%	102.66%	225.80%	**107.65%**
HT & LT	**104.33%**	78.45%	96.96%	97.72%	96.33%	93.77%	92.94%	104.98%	112.15%	114.97%	115.31%	101.62%	197.26%	**106.28%**
OVERALL (%)	**104.33%**	78.45%	96.96%	97.72%	96.33%	93.77%	92.94%	104.98%	112.15%	114.97%	115.31%	101.62%	197.26%	**106.28%**
Collection efficiency excl. Govt & PSU dues (%)	**104.69%**	85.16%	103.79%	99.88%	94.19%	90.04%	90.03%	105.15%	121.81%	120.04%	122.94%	107.21%	194.38%	**107.87%**
AT & C LOSS(%)														
LT	**18.32%**	36.98%	38.04%	29.58%	19.10%	22.82%	20.96%	17.78%	10.42%	3.01%	23.98%	14.49%	-30.14%	**18.88%**
HT & LT	**23.79%**	39.28%	41.21%	31.65%	25.54%	26.77%	25.19%	23.16%	16.85%	12.89%	28.33%	19.92%	-16.01%	**23.41%**
OVERALL (%)	**23.79%**	39.28%	41.21%	31.65%	25.54%	26.77%	25.19%	23.16%	16.85%	12.89%	28.33%	19.92%	-16.01%	**23.41%**

PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION	UED, UDALA													
PARTICULARS	2022-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy input (MU)	101.814	9.432	9.399	10.582	10.917	10.074	9.938	9.098	6.678	6.443	6.819	6.909	8.150	104.411
BST Bill of GRIDCO (Rs. in Crs.)	36.03	3.38	3.37	3.79	3.92	3.62	3.57	3.27	2.40	2.31	2.45	2.48	2.93	37.48
BST Bill (P/U)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HT	0.976	0.168	0.124	0.145	0.114	0.098	0.081	0.040	0.033	0.091	0.199	0.309	0.224	1.594
LT	77.545	7.699	6.757	7.667	7.986	7.996	7.813	5.200	4.328	4.108	3.909	4.822	4.426	72.713
TOTAL SALE (MU)	78.521	7.867	6.881	7.812	8.100	8.094	7.864	5.240	4.361	4.199	4.108	5.131	4.650	74.307
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	16.34%	9.52%	20.83%	19.90%	19.67%	12.80%	14.07%	37.56%	28.17%	29.62%	35.65%	20.26%	39.19%	25.03%
HT & LT	22.88%	16.59%	26.70%	26.04%	25.80%	19.65%	20.87%	42.39%	34.70%	34.83%	39.76%	25.73%	42.98%	28.83%
OVERALL (%)	22.88%	16.59%	26.70%	26.04%	25.80%	19.65%	20.87%	42.39%	34.70%	34.83%	39.76%	25.73%	42.98%	28.83%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	83.66%	90.48%	79.37%	80.10%	80.43%	87.20%	85.93%	62.44%	70.83%	70.38%	64.35%	79.74%	60.81%	76.97%
HT & LT	77.12%	83.41%	73.30%	73.96%	74.20%	80.35%	79.13%	57.61%	65.30%	65.17%	60.24%	74.27%	57.02%	71.17%
OVERALL (%)	77.12%	83.41%	73.30%	73.96%	74.20%	80.35%	79.13%	57.61%	65.30%	65.17%	60.24%	74.27%	57.02%	71.17%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	0.85	0.14	0.11	0.12	0.11	0.09	0.05	0.04	0.04	0.09	0.17	0.24	0.18	1.38
LT	40.48	3.94	3.47	4.01	4.29	4.06	4.24	3.26	2.79	2.57	2.59	2.91	2.71	40.83
TOTAL	41.33	4.07	3.59	4.13	4.40	4.15	4.29	3.30	2.83	2.66	2.76	3.15	2.88	42.20
Billing to Govt Dept. & PSU	4.93	0.44	0.40	0.37	0.42	0.49	0.51	0.52	0.49	0.46	0.42	0.42	0.45	5.39
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	0.66	0.20	0.13	0.11	0.13	0.11	0.08	0.05	0.06	0.05	0.08	0.18	0.23	1.40
LT	44.84	2.93	2.93	3.53	4.22	3.74	3.91	4.12	3.11	3.39	3.23	3.02	6.85	44.99
TOTAL	45.50	3.13	3.07	3.64	4.35	3.85	3.99	4.17	3.17	3.44	3.31	3.19	7.09	46.39
Collection from Govt Dept. & PSU	5.44	0.09	0.06	0.19	0.83	0.31	0.32	0.79	0.14	0.23	0.35	0.34	1.83	5.26
COLLECTION (P/U) Rs.	4.47	3.32	3.27	3.46	3.98	3.82	4.02	4.58	4.75	5.34	4.88	4.62	8.69	4.44
COLLECTION EFFICIENCY														
EHT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
HT	78.32%	147.71%	128.43%	90.52%	118.47%	111.11%	152.60%	105.94%	136.31%	55.17%	50.72%	73.69%	132.77%	102.05%
LT	110.77%	74.40%	84.51%	88.03%	98.38%	92.29%	92.32%	126.49%	111.68%	131.98%	124.57%	103.56%	252.20%	110.19%
HT & LT	110.10%	76.84%	85.76%	88.11%	98.84%	92.72%	93.05%	126.22%	112.08%	129.26%	120.14%	101.32%	245.84%	109.93%
OVERALL (%)	110.10%	76.84%	85.76%	88.11%	98.84%	92.72%	93.05%	126.22%	112.08%	129.26%	120.14%	101.32%	245.84%	109.93%
Collection efficiency excl. Govt & PSU dues %	110.99%	83.58%	94.77%	91.80%	93.40%	96.78%	97.07%	121.61%	129.25%	146.56%	126.79%	104.53%	216.68%	111.75%
AT & C LOSS(%)														
LT	7.34%	32.69%	32.92%	29.49%	20.80%	19.52%	20.66%	21.02%	20.90%	7.10%	19.84%	17.42%	-53.96%	15.18%
HT & LT	15.09%	35.91%	37.14%	34.83%	26.66%	25.50%	26.37%	27.29%	26.82%	15.76%	27.63%	24.76%	-40.18%	21.77%
OVERALL (%)	15.09%	35.91%	37.14%	34.83%	26.66%	25.50%	26.37%	27.29%	26.82%	15.76%	27.63%	24.76%	-40.18%	21.77%

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PERIOD OF REVIEW : APR-23 TO MAR-24														
NAME OF THE DIVISION							RED, RAIRANGPUR							
PARTICULARS	2023-24 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy input (MU)	231.539	19.086	20.421	20.099	19.919	18.834	19.142	17.703	14.208	14.827	16.260	13.877	16.570	210.962
BST Bill of GRIDCO (Rs. in Crs.)	80.81	6.66	7.33	7.40	7.15	6.80	6.87	6.36	5.10	5.32	5.48	4.98	5.89	75.59
BST Bill (P/U)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HT	15.767	1.329	1.474	1.479	1.586	1.442	1.408	1.458	1.375	1.518	1.884	1.648	1.826	18.405
LT	156.676	14.597	14.709	14.683	13.681	12.463	13.158	10.225	8.076	8.025	8.328	8.781	7.379	130.096
TOTAL SALE (MU)	172.443	15.126	16.183	16.162	15.267	13.905	14.564	11.683	9.451	9.541	9.992	11.429	9.198	153.501
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	20.57%	8.99%	15.04%	15.86%	18.27%	22.00%	18.78%	31.05%	30.95%	33.81%	32.70%	12.03%	45.10%	22.94%
HT & LT	25.52%	15.55%	20.75%	21.54%	23.35%	26.56%	23.91%	34.01%	33.48%	35.85%	34.52%	17.64%	44.52%	27.69%
OVERALL (%)	25.52%	15.55%	20.75%	21.54%	23.35%	26.56%	23.91%	34.01%	33.48%	35.85%	34.52%	17.64%	44.52%	27.19%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	79.43%	91.01%	84.96%	84.04%	81.73%	78.00%	81.21%	68.95%	69.05%	66.19%	67.30%	87.97%	54.90%	77.06%
HT & LT	74.48%	84.45%	79.25%	78.46%	76.65%	73.44%	76.09%	65.99%	66.52%	64.15%	65.48%	82.36%	55.48%	72.31%
OVERALL (%)	74.48%	84.45%	79.25%	78.46%	76.65%	73.44%	76.09%	65.99%	66.52%	64.15%	65.48%	82.36%	55.48%	72.80%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	10.93	1.14	1.11	1.13	1.15	1.04	1.01	1.09	1.17	1.19	1.27	1.26	1.45	13.85
LT	81.46	7.38	7.54	7.73	7.28	7.13	7.34	6.32	5.38	4.61	5.26	6.11	5.26	77.31
TOTAL	92.39	8.50	8.65	8.82	8.43	8.17	8.35	7.38	6.55	5.80	6.53	7.37	6.71	91.20
Billing to Govt Dept. & PSU	14.11	1.17	1.07	1.07	1.11	1.19	1.25	1.22	1.37	1.20	1.36	1.33	1.41	14.01
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	10.08	1.21	1.11	1.18	1.10	1.10	0.94	0.95	1.07	0.97	1.51	1.38	1.32	13.84
LT	87.43	5.82	5.96	6.78	6.26	6.26	6.99	7.02	5.94	6.86	6.17	8.19	16.79	89.32
TOTAL	97.52	7.04	7.07	7.91	9.36	7.36	7.93	8.67	7.01	7.84	7.69	7.58	18.12	103.75
Collection from Govt Dept. & PSU	14.45	0.28	0.15	0.52	1.76	0.77	0.81	1.86	0.57	0.69	1.37	0.81	0.99	15.81
COLLECTION (P/U) Rs.	4.21	3.68	3.46	3.84	4.70	3.89	4.14	5.01	4.83	5.29	5.04	5.48	10.83	4.93
COLLECTION EFFICIENCY (%)														
EHT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
HT	92.23%	106.22%	100.61%	105.45%	95.48%	105.17%	83.08%	90.00%	91.73%	81.64%	119.65%	109.80%	91.14%	99.22%
LT	107.23%	79.10%	79.03%	87.46%	113.47%	87.82%	95.21%	126.23%	110.38%	149.04%	117.28%	101.31%	318.47%	116.31%
HT & LT	106.55%	82.74%	81.79%	88.69%	111.02%	90.03%	94.66%	120.18%	107.09%	135.19%	117.74%	102.78%	270.07%	113.70%
OVERALL (%)	106.55%	82.74%	81.79%	88.69%	111.02%	90.03%	94.66%	120.18%	107.09%	135.19%	117.74%	102.78%	270.07%	113.70%
Collection efficiency excl. of Govt & PSU dues %)	106.11%	92.15%	91.31%	99.28%	103.64%	94.39%	100.20%	113.68%	126.57%	155.52%	122.28%	110.36%	228.60%	115.11%
AT & C LOSS(%)														
LT	14.75%	26.01%	32.98%	26.50%	7.26%	31.49%	22.88%	13.65%	23.78%	1.36%	21.08%	10.86%	-75.29%	18.37%
HT & LT	21.39%	30.12%	35.19%	29.63%	14.01%	33.88%	27.76%	20.68%	28.79%	13.01%	22.91%	15.36%	-49.83%	17.11%
OVERALL (%)	21.39%	30.12%	35.19%	29.63%	14.91%	33.88%	27.76%	20.68%	28.79%	13.01%	22.91%	15.36%	-49.83%	17.11%

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PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION	JRED, JAJPUR ROAD)													
PARTICULARS	2022-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	1683.932	160.292	151.793	165.717	169.201	162.227	160.965	165.467	141.362	138.273	158.561	143.297	150.419	1897.574
BST Bill of GRIDCO (Rs. in Crs.)	587.69	57.54	54.49	59.49	60.74	58.24	57.79	59.40	50.75	49.64	56.92	51.44	54.00	670.46
BST Bill (PU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	1341.315	131.284	118.491	131.888	135.578	130.028	128.776	135.526	117.434	114.946	136.207	118.186	120.180	1520.404
HT	92.529	7.008	7.791	7.387	8.257	8.202	7.293	7.727	8.517	7.899	8.942	9.712	9.435	97.148
LT	165.227	13.909	16.548	16.493	17.805	17.978	17.805	15.587	13.021	10.335	8.695	10.317	12.339	172.792
TOTAL SALE (MU)	1598.067	152.179	143.830	157.716	161.640	156.209	154.874	158.840	138.972	133.080	154.844	138.215	141.951	1790.344
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	25.80%	26.40%	24.53%	22.31%	21.49%	16.57%	16.90%	21.39%	15.96%	24.31%	18.15%	22.96%	32.90%	22.25%
HT & LT	24.77%	27.95%	24.65%	23.67%	22.49%	18.69%	19.03%	22.13%	18.35%	22.17%	16.63%	20.24%	28.00%	22.25%
OVERALL (%)	5.04%	5.06%	5.25%	4.83%	4.47%	3.71%	3.78%	4.01%	3.11%	3.76%	2.34%	3.56%	5.63%	4.14%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	74.20%	70.60%	75.47%	77.69%	78.52%	83.03%	83.20%	78.65%	84.02%	75.69%	81.85%	77.04%	67.10%	77.75%
HT & LT	75.23%	72.05%	75.35%	76.33%	77.51%	81.31%	80.47%	77.87%	81.65%	77.83%	83.37%	79.76%	72.00%	77.75%
OVERALL (%)	94.96%	94.94%	94.75%	95.17%	95.53%	96.29%	96.22%	95.99%	96.89%	96.24%	97.66%	96.45%	94.37%	95.86%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	828.17	82.68	78.87	83.77	86.87	83.31	82.44	84.58	73.57	73.66	86.62	76.15	78.78	970.03
HT	65.06	4.88	5.36	5.11	5.61	5.64	5.18	5.37	4.68	5.67	6.81	6.78	6.59	67.76
LT	92.88	7.68	9.08	10.53	10.26	9.38	9.56	9.21	7.98	6.39	5.63	6.98	7.43	99.59
TOTAL	986.11	95.23	91.11	99.41	101.74	98.33	97.58	99.14	86.18	85.71	98.16	88.59	92.80	1137.38
Billing to Govt Dept. & PSU	30.01	1.58	1.53	1.66	1.56	1.58	1.63	1.65	1.64	1.59	2.03	3.12	2.89	22.41
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	872.40	86.66	83.21	78.72	83.62	85.89	83.21	82.44	81.59	74.05	73.49	86.58	80.82	980.26
HT	67.57	4.23	5.25	5.38	5.00	5.21	5.91	4.94	5.38	4.73	5.70	6.96	6.68	65.59
LT	105.36	6.68	7.91	8.89	10.04	9.11	8.05	10.12	8.00	7.30	7.84	6.08	15.15	105.58
TOTAL	1070.41	97.57	96.06	92.99	98.65	100.22	98.18	97.50	94.96	86.08	86.03	99.63	102.85	1151.43
Collection from Govt Dept. & PSU	35.83	0.92	1.20	1.23	1.87	1.48	1.22	1.65	1.41	1.44	1.81	3.03	4.20	21.09
COLLECTION (PU) Rs.	6.36	6.09	6.33	5.61	5.63	6.18	6.10	5.88	6.72	6.22	5.48	6.95	6.94	6.17
COLLECTION EFFICIENCY														
EHT	105.35%	104.82%	105.52%	93.98%	97.38%	103.09%	100.93%	97.50%	108.04%	100.53%	84.83%	113.68%	102.38%	101.65%
HT	109.91%	86.61%	97.84%	106.38%	89.11%	92.51%	114.14%	91.98%	114.98%	83.45%	82.56%	102.93%	104.45%	96.89%
LT	108.01%	87.07%	83.73%	84.39%	97.81%	97.21%	90.89%	109.92%	100.18%	112.83%	135.63%	100.48%	203.91%	106.81%
HT & LT	125.33%	98.89%	89.00%	91.22%	94.74%	95.44%	98.82%	103.31%	105.84%	99.01%	106.41%	101.76%	157.18%	102.28%
OVERALL (%)	108.55%	102.48%	105.43%	93.54%	96.97%	101.92%	100.61%	98.35%	107.69%	100.32%	87.56%	111.90%	110.83%	101.23%
Collection efficiency excl Govt & PSU dues %)	108.29%	103.18%	105.88%	93.67%	98.92%	102.09%	101.05%	98.39%	108.10%	100.50%	87.33%	112.49%	109.68%	101.38%
AT & C LOSS(%)														
LT	19.83%	38.92%	36.81%	34.47%	23.20%	18.41%	24.48%	12.59%	15.82%	14.60%	-11.01%	22.57%	-36.82%	17.58%
HT & LT	5.72%	27.40%	32.94%	30.37%	26.57%	22.40%	20.48%	19.56%	13.74%	22.94%	11.28%	19.82%	-10.17%	20.47%
OVERALL (%)	-3.08%	2.73%	0.10%	10.98%	7.36%	1.98%	3.20%	5.88%	-4.35%	3.48%	14.49%	-7.99%	-4.59%	2.95%

PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION	JTED, JAIPUR TOWN													
PARTICULARS	2023-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	178.328	16.602	19.113	19.281	19.281	18.572	17.661	16.618	11.644	9.773	9.428	10.615	15.238	184.944
BST Bill of GRIDCO (Rs. in Crs.)	62.24	5.96	6.86	6.92	6.92	6.67	6.35	5.97	4.18	3.51	3.48	3.81	5.47	66.07
BST Bill (PSU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HT	1.089	0.131	0.142	0.153	0.121	0.143	0.144	0.191	0.120	0.124	0.121	0.126	0.167	1.623
LT	121.636	11.243	12.979	15.463	13.887	13.734	14.308	12.634	10.016	7.156	8.264	7.548	9.252	134.544
TOTAL SALE (MU)	122.725	11.374	13.121	15.596	14.008	13.877	14.452	12.785	10.136	7.280	8.385	7.674	9.419	136.167
T & D LOSS (%)														
HT (Assume 6%)	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
LT	25.36%	25.75%	25.66%	12.17%	21.18%	18.94%	11.25%	16.53%	4.68%	19.30%	26.39%	21.70%	33.20%	19.77%
HT & LT	31.18%	31.49%	31.36%	19.11%	27.35%	25.28%	18.26%	23.06%	12.44%	25.51%	33.68%	27.71%	38.18%	26.01%
OVERALL (%)	31.18%	31.49%	31.36%	19.11%	27.35%	25.28%	18.26%	23.06%	12.44%	25.51%	33.68%	27.71%	38.18%	26.01%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	74.64%	74.25%	74.40%	87.83%	78.82%	81.06%	88.75%	83.47%	95.12%	80.70%	71.70%	78.30%	66.80%	80.23%
HT & LT	68.82%	68.51%	68.64%	80.89%	72.65%	74.72%	81.74%	76.94%	87.56%	74.49%	66.32%	72.29%	61.82%	73.99%
OVERALL (%)	68.82%	68.51%	68.64%	80.89%	72.65%	74.72%	81.74%	76.94%	87.56%	74.49%	66.32%	72.29%	61.82%	73.99%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	1.07	0.13	0.12	0.12	0.11	0.13	0.13	0.15	0.14	0.14	0.14	0.14	0.16	1.61
LT	61.49	5.66	6.54	7.99	7.18	6.83	7.28	6.61	5.88	4.18	3.82	4.10	5.10	70.91
TOTAL	62.55	5.78	6.66	8.08	7.29	6.95	7.42	6.76	6.01	4.31	3.96	4.24	5.27	72.52
Billing to Govt Dept. & PSU	4.68	0.46	0.46	0.55	0.48	0.57	0.58	0.58	0.61	0.53	0.58	0.53	0.60	6.49
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	1.12	0.08	0.07	0.14	0.12	0.16	0.09	0.14	0.09	0.16	0.07	0.29	0.21	1.60
LT	65.10	4.94	5.45	6.62	6.73	6.34	6.42	6.36	6.77	4.33	4.50	3.75	10.00	71.21
TOTAL	66.22	5.00	5.52	6.76	6.85	6.50	6.51	6.50	6.86	4.49	4.57	4.04	10.21	72.82
Collection from Govt Dept. & PSU	5.78	0.24	0.15	0.31	0.58	0.44	0.42	0.47	0.43	0.36	0.58	0.37	1.72	5.79
COLLECTION (P/U) Rs.	3.71	3.01	2.88	3.61	3.56	3.60	3.68	3.91	5.54	4.59	4.75	3.81	6.76	3.96
COLLECTION EFFICIENCY (%)														
EHT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
HT	104.70%	63.98%	57.28%	118.38%	114.17%	130.73%	67.54%	90.61%	83.25%	107.46%	50.60%	207.18%	128.68%	99.75%
LT	103.89%	87.43%	83.41%	83.21%	93.75%	92.84%	88.13%	96.17%	101.67%	104.04%	117.82%	91.41%	190.88%	100.43%
HT & LT	105.07%	88.49%	82.93%	83.71%	94.04%	93.53%	87.77%	96.16%	100.97%	104.15%	115.43%	95.28%	193.81%	100.42%
OVERALL (%)	105.07%	88.49%	82.93%	83.71%	94.04%	93.53%	87.77%	96.16%	100.97%	104.15%	115.43%	95.28%	193.81%	100.42%
Collection efficiency excl. Govt & PSU dues (%)	104.40%	89.30%	86.77%	85.72%	99.08%	94.99%	88.78%	97.58%	104.57%	110.61%	117.91%	99.18%	181.85%	101.91%
AT & C LOSS(%)														
LT	28.91%	35.09%	37.94%	28.92%	28.11%	24.74%	21.79%	19.73%	3.10%	16.04%	15.52%	28.43%	-20.84%	19.42%
HT & LT	27.14%	40.75%	43.07%	32.29%	31.68%	30.12%	28.26%	28.01%	11.59%	22.42%	23.45%	31.12%	-19.82%	25.71%
OVERALL (%)	27.14%	40.75%	43.07%	32.29%	31.68%	30.12%	28.26%	28.01%	11.59%	22.42%	23.45%	31.12%	-19.82%	25.71%

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PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION							KURD, KUMARIA							
PARTICULARS	2022-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	312.537	26.337	29.712	28.234	28.807	30.709	28.959	28.751	21.884	20.120	19.014	21.328	27.642	309.492
BST Bill of GRIDCO (Rs. in Crs.)	109.08	9.45	10.67	10.14	10.34	11.02	10.40	9.81	7.78	7.22	6.83	7.73	9.92	111.11
BST Bill (FIU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	46.623	3.581	3.928	3.178	3.732	3.807	3.385	2.891	3.722	3.816	3.827	3.817	3.676	43.662
HT	38.445	1.339	1.184	0.865	1.249	3.724	3.575	2.348	2.248	3.014	2.462	3.823	4.041	29.741
LT	100.066	11.973	11.582	14.302	14.248	14.817	14.804	12.909	10.422	8.121	6.178	8.500	10.981	134.535
TOTAL SALE (MU)	209.128	16.898	16.674	18.345	19.229	22.348	21.764	18.146	16.392	14.951	12.468	15.996	18.698	211.938
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	38.57%	38.92%	49.66%	35.84%	34.24%	29.53%	25.81%	34.19%	26.91%	33.27%	46.39%	32.67%	39.89%	35.61%
HT & LT	38.03%	41.54%	50.57%	39.47%	37.80%	31.08%	28.13%	36.09%	29.38%	31.72%	43.19%	31.49%	37.79%	36.70%
OVERALL (%)	33.09%	35.88%	43.88%	36.03%	32.90%	27.23%	24.85%	32.19%	24.34%	25.71%	34.09%	25.81%	32.36%	31.02%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	61.43%	61.08%	51.34%	64.46%	65.76%	70.47%	74.19%	65.81%	73.09%	67.73%	53.61%	67.13%	60.11%	64.39%
HT & LT	61.97%	58.46%	49.43%	60.53%	62.20%	68.92%	71.87%	63.91%	70.62%	69.28%	56.81%	68.51%	62.21%	63.30%
OVERALL (%)	66.91%	64.12%	56.12%	64.07%	67.10%	72.77%	75.15%	67.81%	75.68%	74.29%	65.50%	74.09%	67.64%	68.48%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	24.38	2.15	2.32	1.85	2.21	2.27	2.06	1.82	2.22	2.27	2.30	2.27	2.38	26.20
HT	23.87	1.21	1.12	0.96	1.24	2.84	2.53	1.94	1.86	2.31	1.89	2.60	2.88	23.28
LT	68.94	6.31	6.55	8.07	7.86	7.42	7.79	7.11	6.16	4.88	4.23	6.06	6.96	77.79
TOTAL	119.19	9.67	9.99	10.98	11.32	12.32	12.38	10.87	10.23	9.44	8.52	9.93	11.31	127.18
Billing to Govt Dept. & PSU	4.09	0.40	0.40	0.42	0.40	0.47	0.62	0.58	0.59	0.51	0.50	0.81	0.63	6.02
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	24.31	2.32	2.19	2.32	1.85	2.21	2.27	2.06	1.82	2.22	2.27	2.30	2.27	26.16
HT	20.16	0.70	0.96	1.17	1.84	1.96	2.66	1.76	1.85	2.63	2.34	2.00	2.66	22.50
LT	77.69	5.62	6.10	7.41	7.72	7.03	7.81	5.06	6.49	5.51	5.62	4.46	11.36	80.38
TOTAL	127.51	8.64	9.21	10.89	11.51	11.20	12.75	8.90	10.16	10.36	10.42	8.76	16.43	129.22
Collection from Govt Dept. & PSU	5.02	0.22	0.14	0.26	0.38	0.28	0.60	0.46	0.22	0.33	3.44	0.16	1.40	5.19
COLLECTION (FIU) Rs.	4.09	3.28	3.93	3.66	3.99	3.65	4.40	3.33	4.69	5.15	5.46	4.67	5.94	4.19
COLLECTION EFFICIENCY (%)														
EHT	99.68%	107.86%	92.83%	118.57%	88.17%	97.50%	110.39%	112.70%	82.20%	97.59%	99.02%	101.02%	96.36%	99.85%
HT	101.11%	58.13%	85.13%	121.41%	148.28%	74.84%	105.08%	97.25%	99.84%	113.64%	117.84%	77.11%	90.08%	96.65%
LT	111.77%	88.00%	83.21%	91.87%	88.14%	94.73%	100.31%	71.17%	104.95%	113.42%	137.00%	88.03%	184.57%	103.67%
HT & LT	108.06%	84.03%	92.03%	95.02%	104.97%	89.41%	101.47%	75.69%	103.76%	113.49%	130.61%	84.32%	154.77%	102.06%
OVERALL (%)	106.38%	89.32%	92.21%	99.21%	101.68%	90.81%	102.99%	81.90%	99.09%	109.66%	122.28%	88.14%	142.80%	101.68%
Collection efficiency excl. Govt & PSU dues %)	106.42%	90.84%	94.58%	101.20%	101.82%	92.12%	100.75%	82.09%	101.83%	112.25%	124.03%	91.97%	139.12%	102.39%
AT & C LOSS(%)														
LT	31.34%	45.64%	52.14%	40.76%	39.46%	33.24%	25.58%	53.16%	23.32%	33.18%	26.55%	40.90%	-10.77%	33.14%
HT & LT	32.94%	50.87%	54.51%	42.48%	34.71%	38.38%	27.08%	51.63%	26.73%	32.51%	20.66%	42.23%	3.72%	35.46%
OVERALL (%)	28.42%	42.73%	48.25%	35.54%	31.27%	33.84%	22.63%	44.47%	25.82%	16.53%	19.90%	34.89%	3.41%	30.42%

PERIOD OF REVIEW : APR-23 TO MAR-24														
NAME OF THE DIVISION							KED, KEONJHAR							
PARTICULARS	2023-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy input (MU)	340.978	28.109	29.403	30.154	30.158	33.777	32.836	33.730	30.905	33.685	35.700	29.708	33.918	382.081
BST Bill of GRIDCO (Rs. in Crs.)	119.00	10.09	10.56	10.83	10.83	12.13	11.79	12.11	11.09	12.09	12.82	10.66	12.18	137.17
BST Bill (PAI)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	128.298	9.125	9.168	9.187	9.705	12.816	12.379	13.742	12.301	13.051	14.474	13.074	13.641	142.660
HT	82.952	6.775	6.445	6.474	7.820	9.306	8.918	9.319	9.291	11.617	12.007	7.942	9.288	104.142
LT	103.315	9.462	10.071	11.909	10.383	10.114	10.116	9.004	7.471	9.752	6.556	7.492	5.540	105.468
TOTAL SALE (MU)	314.565	25.362	25.681	26.166	27.908	32.236	31.413	32.065	29.023	31.420	33.037	28.508	29.449	352.268
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	8.30%	11.49%	17.27%	16.72%	5.58%	-1.36%	-2.14%	0.73%	5.01%	8.34%	12.83%	-1.80%	30.31%	9.18%
HT & LT	12.40%	14.47%	18.39%	19.02%	11.06%	7.35%	6.97%	8.33%	10.12%	13.86%	12.55%	7.20%	22.03%	12.45%
OVERALL (%)	7.73%	9.77%	12.88%	13.23%	7.46%	4.56%	4.34%	4.94%	6.09%	6.72%	7.40%	4.03%	13.17%	7.86%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	91.70%	88.51%	82.73%	83.28%	94.42%	101.36%	102.14%	99.27%	94.99%	91.66%	87.17%	101.80%	69.69%	90.82%
HT & LT	87.60%	85.53%	81.61%	80.98%	89.00%	92.65%	93.03%	91.67%	89.88%	89.02%	87.45%	92.80%	77.97%	87.55%
OVERALL (%)	92.27%	90.23%	87.34%	86.77%	92.54%	95.44%	95.66%	95.06%	93.91%	93.28%	92.54%	96.97%	86.83%	92.28%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	85.80	6.34	6.23	6.18	6.57	8.25	7.76	8.65	7.88	8.14	8.86	8.13	8.48	91.45
HT	54.76	4.53	4.35	3.68	5.12	6.01	5.83	5.89	6.01	7.48	7.58	5.42	6.14	68.28
LT	59.86	5.15	5.58	6.66	5.96	5.59	5.68	5.44	4.58	4.37	4.21	4.74	4.43	62.59
TOTAL	199.42	16.01	16.14	16.61	17.65	19.85	19.50	20.07	18.44	19.99	20.73	18.28	19.05	222.32
Billing to Govt Dept. & PSU	11.04	1.12	1.21	1.31	1.26	1.36	1.47	1.44	1.29	1.27	1.27	1.31	1.32	15.66
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	83.12	6.25	6.34	6.20	6.16	8.57	8.27	7.79	8.85	7.88	8.14	8.88	8.13	89.23
HT	54.28	4.48	4.25	4.32	4.18	5.38	5.84	5.84	5.88	5.99	7.48	7.78	5.49	67.16
LT	63.72	4.05	5.12	5.79	6.25	5.40	5.38	6.15	4.85	4.61	4.68	4.81	5.87	65.83
TOTAL	201.12	14.78	15.82	16.31	16.57	17.35	19.57	19.78	19.49	18.48	20.28	21.28	22.54	222.22
Collection from Govt Dept. & PSU	11.02	0.37	0.88	1.13	1.09	1.18	1.00	1.38	1.10	1.15	1.09	1.08	3.21	14.44
COLLECTION (PAI) Rs.	5.88	5.28	5.38	5.41	5.48	5.14	5.88	5.87	6.31	5.49	5.68	7.16	8.64	5.82
COLLECTION EFFICIENCY (%)														
EHT	97.79%	98.59%	102.21%	100.34%	93.62%	79.71%	106.16%	90.13%	109.70%	96.83%	91.87%	109.02%	95.96%	97.97%
HT	99.12%	99.09%	100.01%	112.07%	81.32%	89.43%	101.91%	97.59%	99.45%	80.18%	98.96%	143.73%	88.71%	98.36%
LT	109.81%	78.63%	91.65%	87.93%	105.01%	96.65%	91.10%	113.12%	107.00%	105.42%	108.02%	97.24%	352.29%	105.17%
HT & LT	103.13%	88.21%	95.31%	98.84%	94.07%	92.81%	96.51%	104.66%	102.70%	89.49%	102.25%	122.05%	136.36%	101.62%
OVERALL (%)	100.06%	92.30%	97.98%	98.14%	93.90%	87.37%	102.36%	98.58%	105.69%	92.48%	97.82%	116.26%	118.33%	98.95%
Collection efficiency excl. Govt & PSU dues %)	100.91%	96.81%	102.71%	99.16%	94.49%	87.40%	102.68%	97.84%	107.86%	92.61%	98.83%	118.88%	109.88%	100.54%
AT & C LOSS(%)														
LT	2.85%	30.40%	24.18%	26.78%	0.88%	2.24%	8.92%	-12.30%	-1.65%	3.38%	5.84%	1.01%	-40.97%	4.48%
HT & LT	9.85%	24.58%	22.22%	21.58%	16.28%	14.01%	10.21%	3.78%	7.68%	20.33%	16.56%	-13.26%	-8.32%	11.01%
OVERALL (%)	6.94%	16.72%	14.41%	14.64%	13.11%	10.62%	3.99%	6.28%	0.74%	13.74%	9.48%	-11.67%	-2.75%	7.89%

PERIOD OF REVIEW : APR-23 TO MAR-24														
NAME OF THE DIVISION	JOED, JODA													
PARTICULARS	2023-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	838.147	74.586	68.837	67.463	82.303	83.094	78.282	81.648	76.631	78.063	81.003	73.715	67.408	910.041
BST 9% of GRIDCO (Rs. in Crs.)	252.01	26.78	24.71	24.23	29.55	29.83	28.10	29.31	27.51	28.02	29.08	26.39	24.20	326.70
BST 9% (PSU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	341.717	48.273	42.016	38.397	54.991	56.433	50.356	53.140	51.852	52.097	54.778	46.355	40.557	589.220
HT	150.318	13.583	11.867	14.838	13.221	13.736	14.478	14.617	15.841	15.267	15.298	14.351	15.363	172.116
LT	110.104	9.625	10.240	12.809	12.134	10.494	10.910	9.859	8.320	8.138	8.047	8.616	8.013	117.205
TOTAL SALE (MU)	602.137	71.481	63.823	66.812	80.336	80.663	75.742	77.616	76.013	75.502	78.123	69.322	63.923	878.356
T & D LOSS (%)														
HT (Assume 6%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	18.00%	9.41%	21.98%	-0.32%	-1.84%	2.76%	2.57%	13.58%	-19.61%	5.61%	8.86%	-6.90%	14.30%	4.73%
HT & LT	12.15%	11.80%	16.69%	5.75%	7.20%	9.12%	9.03%	13.44%	2.49%	9.86%	10.98%	5.72%	12.98%	9.81%
OVERALL (%)	6.30%	4.16%	7.28%	2.49%	2.39%	2.93%	3.22%	4.88%	0.81%	3.28%	3.58%	1.97%	5.17%	3.48%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	89.88%	90.59%	78.12%	105.32%	101.84%	97.24%	97.43%	86.42%	119.61%	94.39%	91.14%	106.90%	85.70%	95.27%
HT & LT	97.85%	98.20%	91.31%	94.22%	92.80%	91.88%	90.97%	86.58%	97.51%	86.14%	89.02%	94.20%	87.02%	93.19%
OVERALL (%)	95.70%	95.84%	92.72%	97.51%	97.61%	97.07%	96.78%	95.31%	99.19%	96.72%	96.44%	98.03%	94.83%	96.54%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	343.10	31.56	27.14	25.57	34.51	35.28	31.96	33.18	32.60	33.05	34.65	29.24	27.56	376.12
HT	106.58	9.41	8.18	9.63	9.17	9.44	9.87	10.18	10.79	10.64	10.61	10.17	10.77	119.18
LT	63.61	5.56	5.97	7.35	7.00	5.71	5.23	5.86	5.33	5.03	5.10	5.13	5.02	69.29
TOTAL	513.30	46.34	41.30	42.05	50.68	50.43	47.06	49.21	48.72	48.72	50.36	44.56	43.36	564.60
Billing to Govt Dept. & PSU	14.87	3.72	3.62	3.57	3.57	3.53	3.70	3.73	3.82	3.82	4.40	4.09	4.14	45.70
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	341.32	28.84	31.38	27.10	28.49	34.48	40.28	31.99	33.19	32.60	32.81	34.98	29.26	382.36
HT	102.35	10.46	9.48	8.17	10.47	9.04	9.40	10.01	10.14	10.78	10.64	10.63	10.18	110.40
LT	69.13	4.35	5.55	5.80	7.08	6.91	5.63	6.22	5.56	5.31	5.14	5.19	8.97	71.91
TOTAL	512.81	43.65	46.40	41.21	43.03	49.40	55.50	48.22	48.91	48.68	48.59	50.78	48.40	572.77
Collection from Govt Dept. & PSU	15.11	3.04	3.32	3.25	3.71	3.28	3.49	3.78	3.74	3.78	4.19	3.97	5.65	45.37
COLLECTION (PU) Rs.	6.12	5.86	6.74	6.11	5.23	5.94	7.09	5.91	6.38	6.24	6.00	7.18	7.18	6.29
COLLECTION EFFICIENCY (%)														
EHT	99.48%	91.84%	115.55%	106.16%	73.85%	97.60%	126.02%	96.41%	101.81%	98.64%	94.69%	118.84%	106.14%	101.68%
HT	95.85%	111.14%	110.90%	82.22%	114.20%	95.74%	95.21%	98.37%	93.99%	101.28%	100.24%	104.53%	94.47%	106.18%
LT	118.67%	78.24%	92.98%	80.22%	100.82%	103.46%	93.83%	106.20%	104.83%	105.41%	100.78%	100.91%	178.81%	102.48%
HT & LT	100.79%	96.93%	106.23%	81.37%	108.45%	98.69%	94.62%	101.23%	97.57%	102.59%	102.41%	103.32%	121.28%	101.93%
OVERALL (%)	99.80%	94.20%	112.35%	98.17%	84.89%	97.92%	115.48%	97.86%	100.41%	98.91%	96.49%	113.97%	111.65%	101.45%
Collection efficiency wrt Govt & PSU dues %)	99.84%	93.29%	114.54%	98.62%	83.46%	98.30%	117.25%	97.70%	100.63%	100.03%	96.59%	110.89%	108.61%	101.64%
AT & C LOSS(%)														
LT	2.24%	29.12%	27.36%	15.53%	-2.78%	-0.63%	8.78%	9.22%	-25.39%	0.91%	8.16%	-7.87%	-53.24%	2.37%
HT & LT	11.53%	12.75%	13.83%	23.33%	-0.65%	10.34%	13.98%	12.37%	4.86%	7.53%	10.82%	2.59%	-6.52%	8.89%
OVERALL (%)	4.40%	9.72%	-4.17%	6.22%	17.14%	4.95%	-11.78%	6.62%	0.40%	3.37%	6.96%	-11.72%	-5.87%	2.06%

PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION	AED, ANANDAPUR													
PARTICULARS	2022-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)														
Energy Input (MU)	178.627	15.713	16.070	17.982	18.125	17.117	16.689	15.244	11.423	10.552	11.013	10.980	13.861	176.769
BST Bill of GRIDCO (Rs. In Crs.)	62.13	5.64	5.49	5.48	6.51	6.15	5.99	5.47	4.10	3.79	3.95	3.94	4.98	63.46
BST Bill (P/U)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HT	0.912	0.820	1.054	0.781	0.972	1.047	0.939	0.797	0.445	0.653	1.136	1.142	0.888	10.493
LT	114.678	10.149	10.482	12.117	11.630	11.637	11.655	10.247	6.684	6.126	5.375	7.094	7.512	110.709
TOTAL SALE (MU)	123.592	10.969	11.536	12.898	12.602	12.684	12.594	11.044	7.129	6.780	6.511	8.236	8.210	121.201
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	25.96%	25.59%	32.88%	23.13%	25.94%	23.84%	19.15%	22.53%	33.59%	32.25%	40.25%	26.82%	37.68%	27.23%
HT & LT	30.58%	30.19%	36.16%	28.27%	30.47%	25.90%	24.54%	27.55%	37.59%	35.67%	40.88%	24.99%	40.77%	31.44%
OVERALL (%)	30.58%	30.19%	36.16%	28.27%	30.47%	25.90%	24.54%	27.55%	37.59%	35.67%	40.88%	24.99%	40.77%	31.44%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	74.04%	74.41%	67.32%	76.87%	74.06%	76.16%	80.85%	77.47%	66.41%	67.75%	59.75%	73.18%	62.32%	72.77%
HT & LT	69.42%	69.81%	63.84%	71.73%	69.53%	74.10%	75.46%	72.45%	62.41%	64.33%	59.12%	75.01%	59.23%	68.56%
OVERALL (%)	69.42%	69.81%	63.84%	71.73%	69.53%	74.10%	75.46%	72.45%	62.41%	64.33%	59.12%	75.01%	59.23%	68.56%
BILLING TO CONSUMERS (Rs. In Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	7.28	0.68	0.82	0.66	0.81	0.86	0.78	0.69	0.51	0.64	0.93	0.91	0.64	8.92
LT	61.02	5.50	5.67	6.43	6.13	6.82	6.11	5.70	4.18	3.75	3.56	4.28	4.60	61.51
TOTAL	68.22	6.07	6.49	7.09	6.94	6.67	6.89	6.39	4.70	4.39	4.48	5.19	5.23	70.43
Billing to Govt Dept. & PSU	10.48	0.90	0.87	0.87	0.86	0.99	1.00	1.08	1.04	0.94	0.99	1.03	0.97	11.69
COLLECTION RECEIVED (Rs. In Crs.)														
EHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	6.96	0.66	0.73	0.62	0.58	0.79	0.78	0.78	0.69	0.58	0.65	0.91	0.97	9.09
LT	65.83	4.50	4.37	4.77	5.72	5.02	5.14	7.01	4.90	4.28	4.42	4.30	11.81	66.24
TOTAL	72.79	5.31	5.11	5.39	6.30	5.81	5.92	7.79	5.57	4.86	5.07	5.21	12.79	75.32
Collection from Govt Dept. & PSU	11.12	0.28	0.38	0.42	0.89	0.73	0.71	1.35	1.00	0.91	0.85	0.82	3.28	11.39
COLLECTION (P/U) Rs.	4.89	3.39	2.83	3.11	3.48	3.40	3.56	5.11	4.88	4.60	4.81	4.75	9.22	4.26
COLLECTION EFFICIENCY (%)														
EHT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
HT	96.58%	118.77%	89.59%	124.07%	72.16%	92.45%	100.55%	112.76%	122.20%	90.91%	69.73%	100.47%	152.84%	101.88%
LT	107.89%	85.02%	77.13%	74.18%	93.29%	86.34%	84.15%	122.85%	117.06%	114.06%	124.32%	100.44%	257.02%	107.68%
HT & LT	106.70%	88.84%	78.70%	78.84%	90.82%	87.12%	85.97%	121.84%	118.72%	110.69%	112.99%	100.49%	244.38%	106.95%
OVERALL (%)	106.70%	88.84%	78.70%	78.84%	90.82%	87.12%	85.97%	121.84%	118.72%	110.69%	112.99%	100.49%	244.38%	106.95%
Collection efficiency excl. Govt & PSU dues (%)	104.77%	90.56%	84.16%	83.13%	89.08%	86.42%	85.36%	121.26%	125.28%	114.28%	126.26%	105.63%	223.10%	108.66%
AT & C LOSS(%)														
LT	26.12%	36.74%	48.08%	42.97%	30.91%	31.65%	31.06%	4.76%	22.26%	22.72%	25.73%	20.47%	-80.17%	21.84%
HT & LT	25.93%	37.98%	49.76%	43.45%	36.85%	35.44%	35.13%	11.73%	25.81%	28.79%	33.20%	24.68%	-44.76%	26.67%
OVERALL (%)	25.93%	37.98%	49.76%	43.45%	36.85%	35.44%	35.13%	11.73%	25.81%	28.79%	33.20%	24.68%	-44.76%	26.67%

PERIOD OF REVIEW - APR-23 TO MAR-24														
NAME OF THE DIVISION	TPNODL AS WHOLE													
PARTICULARS	2023-23 (Apr to Mar)	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
BULK SUPPLY														
Demand (MVA)	1022.211	1216.321	1123.153	1267.199	1207.956	1203.319	1220.855	1181.432	1044.514	894.579	965.179	1016.169	1147.307	1123.829
Energy input (MU)	6473.323	623.923	639.789	643.868	665.742	647.540	624.580	621.961	594.573	477.034	520.848	501.363	576.130	1947.151
BST Bill of GRIDCO (Rs. in Crs.)	1840.96	224.09	229.79	231.25	239.10	232.56	224.32	223.38	181.24	171.31	187.01	180.09	206.93	2531.09
BST Bill (PU)		3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
SALE TO CONSUMERS (MU)														
EHT	2651.831	274.560	259.125	254.871	275.585	277.785	263.030	269.115	244.004	232.764	263.096	239.874	253.302	3115.166
HT	625.417	52.870	54.213	53.909	57.518	59.031	56.775	55.812	52.914	58.269	61.796	60.068	63.593	685.813
LT	2132.704	195.328	203.414	236.465	233.775	229.772	233.043	198.930	148.283	128.120	197.236	137.692	141.389	2189.379
TOTAL SALE (MU)	5410.052	521.895	516.748	547.245	566.878	566.588	552.848	534.877	445.201	419.093	432.038	434.632	458.284	5990.358
T & D LOSS (%)														
HT (Assume 8%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LT	26.21%	27.56%	31.28%	21.55%	22.44%	18.27%	15.52%	23.09%	26.06%	23.06%	38.81%	24.87%	28.46%	25.11%
HT & LT	27.82%	29.26%	32.32%	24.84%	25.34%	21.89%	19.94%	25.47%	22.77%	23.72%	34.46%	25.23%	36.52%	26.72%
OVERALL (%)	16.43%	16.38%	19.23%	15.01%	14.85%	12.50%	11.48%	14.00%	11.75%	12.15%	17.82%	13.31%	20.46%	14.91%
Billing Efficiency (%)														
HT	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%
LT	73.79%	72.50%	68.72%	78.45%	77.56%	81.73%	84.48%	76.91%	79.40%	76.94%	61.19%	75.13%	60.55%	74.89%
HT & LT	72.18%	70.90%	67.68%	75.16%	74.66%	78.11%	80.16%	74.53%	77.23%	76.28%	65.60%	74.77%	63.48%	73.28%
OVERALL (%)	83.57%	83.60%	80.77%	84.99%	85.15%	87.50%	88.52%	86.00%	88.25%	87.85%	82.96%	86.69%	79.54%	85.09%
BILLING TO CONSUMERS (Rs. in Crs.)														
EHT	1848.37	172.91	163.48	161.83	174.11	175.76	166.34	174.76	155.32	149.63	166.92	151.73	163.81	1976.42
HT	427.95	35.50	36.47	36.22	38.19	39.22	38.20	37.76	36.57	40.37	42.48	41.83	43.22	466.11
LT	1127.88	101.84	107.30	126.67	125.91	117.43	123.59	111.26	89.72	77.24	78.82	79.78	84.68	1217.66
TOTAL	3283.91	310.25	306.86	327.82	337.31	332.43	328.03	323.77	282.61	267.24	278.44	273.18	291.21	3660.19
Billing to Govt Dept. & PSU	156.40	17.61	17.57	17.91	18.36	19.62	19.15	19.43	19.03	17.00	19.02	26.02	20.39	225.74
COLLECTION RECEIVED (Rs. in Crs.)														
EHT	1721.61	182.18	179.89	171.78	168.86	180.21	187.21	172.76	162.38	159.32	149.37	171.39	150.44	2044.88
HT	401.84	35.47	33.41	36.59	37.65	38.87	38.83	37.89	37.70	37.35	40.80	43.37	42.39	461.74
LT	1224.47	83.01	95.20	110.43	122.37	107.39	113.13	114.34	100.12	91.74	85.97	77.91	109.25	1291.36
TOTAL	3307.92	301.18	319.50	318.71	328.88	326.17	339.17	324.79	300.18	288.40	276.14	292.57	292.08	3797.97
Collection from Govt Dept. & PSU	166.95	9.29	10.00	12.96	20.94	15.35	15.07	20.61	15.77	14.97	17.39	15.73	51.70	218.23
COLLECTION (PU) Rs.	5.25	4.83	4.81	4.95	4.93	5.04	5.43	5.22	5.95	5.65	5.30	5.84	6.81	5.39
COLLECTION EFFICIENCY (%)														
EHT	104.44%	105.32%	110.10%	106.15%	96.53%	102.53%	112.61%	98.86%	104.53%	106.48%	89.48%	112.94%	97.94%	103.46%
HT	108.56%	99.79%	97.39%	100.49%	96.59%	98.36%	101.64%	99.83%	103.09%	92.51%	96.82%	104.13%	97.86%	99.06%
LT	108.59%	82.10%	89.87%	89.16%	97.89%	91.43%	91.54%	102.77%	110.31%	118.77%	122.78%	97.53%	225.98%	106.03%
HT & LT	107.76%	86.68%	91.03%	89.52%	98.05%	93.17%	93.92%	102.02%	108.28%	109.75%	112.97%	99.79%	181.83%	104.12%
OVERALL (%)	106.06%	97.06%	101.18%	97.22%	97.20%	96.12%	103.39%	100.32%	105.22%	107.92%	98.82%	107.10%	134.64%	103.76%
Collection efficiency excl. Govt & PSU dues %s	106.02%	99.73%	103.87%	98.81%	96.58%	99.30%	104.93%	99.99%	107.00%	109.66%	99.44%	108.36%	125.65%	104.23%
AT & C LOSS(%)														
LT	29.87%	40.46%	38.86%	33.19%	24.88%	22.27%	22.67%	20.06%	12.37%	8.62%	24.87%	26.72%	-36.30%	20.38%
HT & LT	22.22%	29.63%	36.39%	33.47%	26.80%	27.23%	24.71%	23.97%	16.39%	16.26%	26.09%	23.28%	-15.43%	23.71%
OVERALL (%)	11.39%	16.81%	18.27%	17.37%	17.18%	14.16%	8.48%	13.73%	6.27%	5.19%	18.00%	7.10%	-7.89%	11.71%

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DIVISION WISE DATA ON BEST PRACTICES (FY 2023-24)

(Apr-2023 to March-2024)

Sl.No.		Particular	TOTAL (as on 31st March 2023)	MKD, Bikaner	KHSC, Sadar	JSD, Jalore	USD, Sirohi	SGD, Sirohi	BMSD, Sikar (N)	BSDC, Sikar (S)	BPSD, Nagaur	UDD, Udaipur	RSD, Rajsamand	JRSD, Jodhpur Road	JOD, Jodhpur Town	KUSD, Kuchera	NSD, Nagaur	JUSD, Jhalawar	ASD, Kotputlipur	TOTAL (as on 31st March 2024)
1	a	No. of consumer	2041586	85118	82572	113717	111188	153600	177146	168614	213732	90810	166020	90779	98036	106235	116961	96388	120969	1906512
	b	No. of New Connection	67741	4013	4009	5070	7100	8089	7906	9591	12294	5159	10230	5427	3703	4476	6612	4873	5767	103769
	c	No. of New Connection / Total No. of Consumer (%)	4%	5%	5%	4%	6%	5%	5%	6%	6%	6%	6%	6%	4%	4%	6%	5%	5%	5%
2	a	Total HT length in circuit KM	6231	536	2000	1861	2000	2000	2000	2921	4410	4575	5700	2378	1800	1800	2727	1941	2460	44333
	b	Total LT length in circuit KM	6166	675	3634	3173	3400	4733	4833	3360	7801	5148	11075	3668	3236	3166	5230	2516	2460	68335
	c	HT to LT length ratio (%)	64%	51%	37%	59%	71%	53%	53%	86%	57%	75%	52%	67%	56%	56%	71%	75%	100%	65%
3	a	Total LT length in circuit KM	6166	675	3634	3173	3400	4733	4833	3360	7801	5148	11075	3668	3236	3166	5230	2516	2460	68335
	b	Total length of AB Cable in circuit KM	4678	784	1992	2008	1518	2672	3891	2115	6753	4870	9121	2139	1948	2000	3845	2098	1968	47194
	c	AB Cable to LT length ratio (%)	69%	85%	55%	64%	31%	56%	85%	63%	87%	95%	75%	60%	60%	63%	74%	83%	79%	69%
4	a	Total No. of 11KV Feeder	302	35	32	30	36	34	75	34	60	44	58	30	37	41	64	28	67	602
	b	Total No. of 11KV Audited Feeder	244	31	26	27	47	31	63	29	57	33	42	45	28	30	43	24	53	509
	c	11KV Audited Feeder (%)	81%	89%	78%	90%	94%	76%	84%	85%	75%	75%	72%	83%	76%	95%	68%	82%	79%	77%
5	a	Total No. of 33KV Feeder (Excluding dedicated Feeders)	53	4	3	4	6	5	7	3	13	3	7	5	5	4	3	3	3	87
	b	Total No. of 33KV Dedicated Feeders	16	3	0	0	1	0	0	0	3	1	0	4	0	1	4	1	0	18
	c	Total No. of 33KV Feeders (a+b)	69	7	3	4	10	5	7	3	16	3	7	9	5	5	12	11	3	105
	d	Total No. of 33KV Audited Feeder Excluding dedicated Feeders	53	4	3	6	3	5	7	3	12	3	7	5	3	4	5	9	3	87
	e	33KV Audited Feeder (%)	89%	100%	100%	150%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
6	A	Total No. of DTR	74239	2304	6314	6446	8000	9702	8078	4466	8983	3467	9068	4613	4139	4427	6133	3000	3664	77566
	B	Total No. of Audited DTR	451	263	175	400	392	304	130	117	48	58	88	215	204	454	151	287	88	3324
	c	% of Audited DTR	1%	10.98%	4.15%	6.07%	4.48%	3.25%	1.61%	2.26%	0.79%	1.15%	1.73%	3.58%	4.93%	10.25%	2.94%	8.32%	2.22%	4%
7	a	Overall Distribution Loss (%)	18%	11.97%	41.57%	28.48%	12.10%	24.29%	22.75%	36.00%	27.94%	28.83%	27.15%	4.14%	28.01%	21.32%	7.80%	5.46%	33.44%	14.91%
	b	LT Distribution Loss (%)	19%	13.03%	37.36%	29.49%	55.25%	30.98%	31.71%	34.42%	23.90%	25.03%	22.94%	22.25%	19.77%	26.51%	9.16%	4.72%	27.20%	25.11%
	c	Overall AT & C Loss (%)	11%	10.98%	37.94%	22.75%	3.23%	22.51%	21.36%	29.23%	23.41%	21.77%	17.11%	3.80%	23.71%	20.42%	7.80%	2.96%	30.67%	11.71%
	d	LT AT & C Loss (%)	20%	0.15%	33.03%	23.12%	28.26%	18.18%	20.42%	33.80%	19.06%	16.18%	19.37%	17.89%	16.42%	23.14%	4.48%	2.37%	21.84%	20.58%
8	a	Total No. of Rural Consumer	1744884	74412	78536	96732	103013	136142	141701	106975	172316	87950	170802	76942	68888	101526	91762	81159	116057	1656305
	b	Total No. of Urban Consumer	296954	67707	4238	16945	8988	14558	35356	3039	41414	7920	12827	15227	9948	3358	21966	25436	11911	281378
	c	Urban Consumer to Total Consumer	15%	89%	5%	15%	8%	9%	20%	2%	19%	8%	7%	20%	16%	3%	19%	32%	9%	15%
9	a	Total Employees (Nos.)	1228	151	115	130	144	161	188	126	236	100	103	154	110	124	116	115	122	3280
	b	No of Employees per 1000 Consumer	0.69	2.03	1.34	1.14	1.28	1.08	1.05	1.16	1.33	1.04	0.71	1.28	1.11	1.14	0.98	1.27	1.02	1.13
10	a	No. of DR Meter	114109	64087	83305	110805	109495	149786	170961	108663	209930	94233	183338	96951	98239	108344	133748	86932	123893	1586263
	b	No of Distribution Meter	216081	986	914	3017	3343	9175	5949	690	5733	3472	6233	1033	607	2757	3975	3145	5713	47272
	c	No of Consumer without Meter	2871	46	153	671	180	289	339	69	93	339	179	375	359	184	358	286	340	3919
	d	Consumer Metering (%) (DR meter / Total Consumer)	95%	99%	99%	97%	99%	97%	97%	99%	99%	98%	97%	99%	99%	97%	97%	98%	99%	97%

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DIVISION WISE DATA ON BEST PRACTICES (FY 2023-24) (Apr 2023 to March 2024)

Sl. No.		Particulars	TOTAL As on 31st March 2023	BED Balasore	BTED Basta	JED Jaleswar	CED Balasore	BED Soro	BNED Bhadrak (N)	BSED Bhadrak (S)	BPED Baripada	UED Udala	RED Rairangpur	JRED Jajpur Road	JTED Jajpur Town	KUED Kuakhia	KED Keonjhar	JOED Joda	AED Anandapur	TOTAL as on 31st March 2024
11	a	11KV Feeder with working meter (Nos)	823	35	32	39	50	69	75	54	86	44	92	55	37	41	64	38	67	853
	b	11KV Feeder with defective meter (Nos)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	c	11KV Feeder without meter (Nos)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	d	11KV Feeder metering % (OK meter / Total Nos of 11KV feeder)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
12	a	33KV Feeder with working meter (Nos)	98	4	3	6	8	5	7	8	17	3	7	9	3	4	8	9	6	97
	b	33KV Feeder with defective meter (Nos)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	c	33KV Feeder without meter (Nos)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	d	33KV Feeder metering % (OK meter / Total Nos of 33KV feeder)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
13	a	DTR with working meter (Nos)	3883	570	395	736	557	794	802	541	707	247	380	658	543	583	398	404	511	9063
	b	DTR with Defective meter (Nos)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	c	DTR without meter (Nos)	71982	1734	3819	3719	5293	5008	7208	4409	5355	3030	8160	5308	3593	3884	4713	2888	3457	69929
	d	DTR metering % (OK meter / Total Nos of DTR)	4%	25%	9%	17%	10%	13%	17%	11%	12%	7%	7%	11%	13%	13%	8%	12%	13%	12%
14	a	Total Sale (MU)	5418.09	302.972	93.248	183.446	656.207	179.084	455.548	107.895	349.023	74.207	153.021	1795.344	155.107	211.038	352.068	875.556	121.201	5596.36
	b	LT Sale (MU)	2132.79	162.613	85.838	127.347	131.735	145.888	227.550	102.913	133.154	72.712	135.098	172.782	134.544	138.335	105.498	117.205	110.108	2195.38
	c	% of LT Sale to Total Sale	39%	53%	96%	69%	19%	81%	50%	96%	39%	98%	88%	10%	86%	66%	30%	13%	91%	37%
15	a	Total No of DRF order issued	399	33	20	32	54	36	24	7	30	7	11	36	11	80	12	3	34	409
	b	Total No of DRF order implemented	356	30	18	33	48	32	20	7	25	5	10	33	9	75	10	3	30	369
	c	Implementation of DRF order (%)	89%	90%	90%	96%	90%	89%	83%	100%	86%	71%	91%	92%	82%	94%	83%	100%	88%	89%
16	a	Average No. of Bill Generated per month	1179158	43663	75835	111640	105823	150182	174062	107342	109273	59793	187155	155834	97755	100327	116854	89560	120853	1818514
	b	Bill generated per month to total Nos of Consumer (%)	97%	98%	97%	99%	99%	98%	98%	98%	87%	99%	99%	98%	99%	96%	98%	98%	98%	98%
17	a	Average No of Money Receipt Generated per month	1047.00	45613	61024	86440	80044	132295	118171	77592	145459	56035	137838	62875	76881	85299	82117	59775	85302	1353448
	b	Money Receipt generated to bill generated per month (%)	89%	76%	77%	77%	73%	79%	89%	72%	79%	60%	63%	67%	81%	79%	69%	87%	65%	71%
18	a	Total DTR burnt (Nos)	2077	107	150	130	270	366	224	255	237	111	203	199	158	198	202	164	208	3333
	b	DTR burnt / Total Nos of DTR (%)	4%	5%	4%	3%	4%	6%	3%	6%	4%	3%	4%	3%	4%	4%	3%	3%	7%	4%
	c	Total Capacity of all DTR (MVA)	2707	109.41	136.36	176.00	227.83	270.21	308.64	177.20	221.64	102.50	164.45	284.51	166.77	200.87	161.00	132.09	120.44	2902.47
	d	Total Capacity of DTR burnt (MVA)	124	4.92	8.70	9.86	11.12	16.82	14.14	12.80	8.87	3.70	7.27	8.83	7.87	8.98	8.41	7.11	11.13	148.31
	e	Capacity of DTR burnt to Capacity of Total DTR (%)	4%	5%	5%	4%	5%	7%	5%	7%	4%	4%	4%	3%	5%	4%	5%	5%	9%	5%
19	a	SAIFI of the Division (Nos)	621.15	520.94	1106.88	747.75	834.52	657.88	653.45	520.39	541.27	452.78	517.58	528.75	550.82	847.14	588.93	633.07	465.27	579.45
	b	SAIDI of the Division (Hrs)	378.46	190.61	526.38	373.44	316.80	299.61	298.20	280.83	288.71	218.47	287.58	252.56	355.28	328.75	185.64	457.21	355.78	346.87

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DIVISION WISE DATA ON BEST PRACTICES (FY 2023-24)
(April 2023 to March 2024)

Sl No.		Particulars	TOTAL As on 31st March 2023	BED Balasore	BTED Basta	JED Jaleswar	CED Balasore	SED Soro	BNED Bhadrak (N)	BSED Bhadrak (S)	BPED Baripada	UED Udala	RED Rairangpur	JRED Jajpur Road	JTED Jajpur Town	KJED [illegible]	KED [illegible]	[illegible]	AED Anandapur	TOTAL as on 31st March 2024
20	a	No of fatal accident (Human)	41	1	2	3	3	2	4	1	1	1	2	3	3	1	4	1	3	28
	b	No of fatal accident (Animal)	16	4	1	1	3	12	1	2	8	4	5	1	1	5	1	1	1	30
	c	Total (Human+Animal)	56	5	1	4	5	14	5	3	1	5	2	1	1	1	5	2	1	56
21	a	Length of 11KV feeder before CDSUP & other project (as on 01.04.2023)	37591	468	1610	1800	2384	2700	3814	2888	4539	3893	6073	2040	1668	1632	3022	1118	3233	40189
	b	Length of 11KV feeder after CDSUP & other project (as on 31.03.2024)	48788	465	1551	1742	2467	2836	2838	2717	4132	3818	5449	3007	1739	1688	3343	1767	7202	41108
22	a	Length of 33KV feeder before CDSUP & other project (as on 01.04.2023)	2855	75	119	115	194	130	322	189	286	209	332	248	83	187	374	166	199	3024
	b	Length of 33KV feeder after CDSUP & other project (as on 31.03.2024)	3034	71	119	113	194	132	325	184	288	254	332	218	78	171	385	257	198	3236

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PERFORMANCE OF TPNODL - SYSTEM IMPROVEMENT

Particulars	As on 31st March 2022	As on 31st March 2023	As on 31st March 2024
No. of Circles	5	5	5
No. of Divisions	16	16	16
No. of Subdivisions	50	50	50
No. of Sections	159	159	159
No. of Special Police Stations	5	5	5
No. of Courts	1	1	1
No. of consumers			
EHT	37	41	42
HT	614	659	748
LT	20,88,432	20,40,888	1953723
Total	**20,89,083**	**20,41,588**	**19,54,513**
Network System			
Length of 33 KV Line (km.)	2895	3024	3226
Length of 11 KV Line (km.)	37591	40189	41108
Length of LT KV Line (km.)	66672	67486	68139
Length of conductor stolen (km.)	0.00	27	23
Cost involved (Cr.)	0.00	0.23	0.37
No. of 33 KV Group & Feeder Breakers Required	50	102	43
No. of 33 KV Group & Feeder Breakers Installed	173	71	48
No. of 11 KV Group & Feeder Breakers Required	70	147	62
No. of 11 KV Group & Feeder Breakers Installed	240	107	91
FEEDER METERING			
No. of 33 KV feeders (excluding GRIDCO interface)	98	108	115
No. of 33 KV feeder metering	98	108	115
No. of 11 KV feeders	797	825	853
No. of 11 KV feeder metering	545	825	853
No. of 33 / 11 kv transformers	524	550	564
No. of 33/11 kv transformer metering position	246	244	280
No. of Distribution transformers (11/0.4 & 33/ 0.4 kv)	72323	74726	77688
No. of Distribution transformer metering position	2208	2883	9063
MVA Capacity of DTRs	2657	2787	2932
Energy Audit Carried Out-33 KV (Including Dedicated Feeders)	77	108	115
Energy Audit Carried Out-11 KV	545	344	656
Energy Audit Carried out- No of DTRs	455	471	3352

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PERFORMANCE OF TPNODL - SYSTEM IMPROVEMENT

Particulars	As on 31st March 2022	As on 31st March 2023	As on 31st March 2024
Consumer Metering Position			
Total number of meters	20,10,760	19,99,017	19,50,535
No. of working meters	17,37,701	17,40,498	19,03,263
Percentage of working meters (%)	86%	87%	98%
New meters installed (3 ph)	4930	11213	26630
New meters installed (1 ph)	255855	391243	391935
No of 3 Phase Consumers	34775	37152	45648
No of Consumers with TOD benefit	1046	996	7979
No of Consumers 10 KW load and above	12761	14329	15405
No of Consumer AMR metering	9431	16743	83349
Total No of consumers	2089083	2041588	1954513
No of consumers added	80950	-47495	-87075
No of meters purchased	124310	431037	4,12,099
No of meters used for installation for new consumer and replacements for old consumers	260785	402456	4,79,726
Cost involved in purchase of meters (Rs. in Crs.)	9.08	55.11	72.84
Cost of meter rent Collected (Rs. in Crs.)	22.80	10.62	36.36
Anti Theft Measures			
No of cases Finalised under Section 126 & 135	37893	36387	37775
Amount Finalised (Rs. Cr.)	47.89	49.03	59.68
Amount Accessed during filing of case (Rs. Cr.)	64.37	67.38	77.02
No of new connections given	113608	87701	103760
No of Connection Regularised	2011	694	521
Amount Collected (Cr.)	21.65	37.60	40.11
No. of FIR Lodged	12	29	28
No. of illegal consumers prosecuted/Initiated in Court	12	9	3
Number of Disconnection made	67022	126935	235184
Revenue realised (Rs. Cr.)	208.06	257.94	120.31

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GOVT. OF ODISHA (INDIA)

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PERFORMANCE OF TPNODL - SYSTEM IMPROVEMENT

Particulars	As on 31st March 2022	As on 31st March 2023	As on 31st March 2024
Franchisee Activity			
No of Micro-Franchisees	211	301	307
No of Consumers Covered	184767	218583	219783
No of Macro-Franchisees	0	0	0
No of Consumers Covered	0	0	0
No of Input Based-Franchisees	0	0	0
No of Consumers Covered	0	0	0
Total no of consumers covered under Franchisee	184767	218583	219783
QUALITY OF SUPPLY			
Failure of Power Transformers	27	8	10
No. of Distribution Transformers burnt	2533	2877	3333
Cost involved (Cr.)	4.41	3.03	7.09
No of Interruptions in 33 KV Feeders	10750	11571	11423
No of Interruptions in 11 KV Feeders	339516	288140	331251
No. of Grievances received through CHP	388	415	650
No. of GRF Orders received	341	399	409
No. of GRF Orders Complied	241	358	365
SYSTEM IMPROVEMENT WORKS DURING REVIEW PERIOD			
Installation of New Transformers (DTR)	0	128	103
Upgradation of Transformers (DTR)	21	147	186
Installation of Pillar Box	0	0	0
Length of AB Cable Laid (KM)	29.84	337	325
Conversion of Single Phase to Three Phase Lines	0	12	20
Amount Estimated under deposit work (Rs. in Crs.)	219.44	27.00	18.45
Amount Finalized for 6 % calculation (Rs. in Crs.)	14.40	20.33	25.02

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Statement of Direct Cash Flow for Period Ended March 31, 2024

(₹ Crore)

Particulars	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	FY 23-24
CASH INFLOW													
Revenue Collection	314.03	315.95	325.31	333.88	334.60	329.76	346.82	312.07	303.06	294.10	309.23	406.72	3,925.45
Incentive on past arrear collection	2.14	1.57	1.50	1.47	1.40	1.97	1.45	0.11	0.24	0.20	0.22	2.83	15.60
Rebate on BSP bills	1.94	2.17	2.40	2.45	2.48	2.54	2.47	2.39	2.33	1.92	1.84	1.98	26.90
Drawl of Long Term Loan (Net)	19.71	28.76	15.92	9.55	18.97	18.06	16.89	22.47	25.31	13.97	26.66	13.26	231.47
Drawl/(Repayment) of Short Term Loan (Net)	2.23	2.18	5.90	(5.23)	0.92	(0.44)	(0.10)	4.76	2.58	0.20	(8.19)	(99.16)	(94.41)
Other Miscellaneous receipts	16.75	9.42	8.33	14.42	13.45	10.11	7.83	9.79	12.42	8.99	37.51	20.79	150.31
TOTAL INFLOW	**356.80**	**360.05**	**359.36**	**356.66**	**371.81**	**362.49**	**375.24**	**351.79**	**345.93**	**319.48**	**367.27**	**348.42**	**4,255.32**
CASH OUTFLOW	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	FY 23-24
Bulk Supply Power (BSP) Purchases - GRIDCO	159.17	185.10	206.86	211.97	213.32	220.57	214.54	206.93	206.06	167.17	156.73	172.50	2,320.92
Transmission + SLDC charges - OPTCL	15.75	14.44	14.83	14.50	15.38	14.97	14.46	14.38	11.68	11.06	12.08	11.81	165.54
Employee expenses (incl terminal benefits paid)	30.75	44.10	39.45	37.84	32.64	32.05	33.11	33.60	35.36	32.94	35.13	35.44	422.43
R&M + A&G	37.00	51.60	31.36	39.13	38.92	34.86	42.46	27.23	35.14	30.98	37.45	36.60	442.74
Interest & Finance charges	3.06	3.27	47.50	4.40	3.73	3.87	3.97	4.56	4.92	5.43	4.78	4.86	94.33
Taxes and other Statutory payments	24.15	22.77	25.97	22.72	24.80	38.79	23.49	22.17	24.38	20.18	22.32	26.86	308.61
Capex Payments	35.86	40.71	32.73	20.32	25.48	25.15	33.35	28.28	36.76	25.79	43.92	39.83	378.17
TOTAL OUTFLOW	**315.75**	**361.99**	**398.71**	**351.28**	**354.27**	**370.27**	**365.36**	**337.16**	**354.30**	**293.56**	**312.40**	**327.70**	**4,133.75**
NET CASHFLOW	**41.05**	**(1.94)**	**(29.35)**	**5.38**	**17.54**	**(7.78)**	**9.88**	**14.63**	**(8.36)**	**25.93**	**34.87**	**20.72**	**122.57**
Opening Cash/Bank balance	292.85	333.90	331.96	302.61	307.99	325.53	317.76	327.64	342.27	333.91	359.83	394.70	292.85
Increase / (Decrease)	41.05	(1.94)	(29.35)	5.38	17.54	(7.78)	9.88	14.63	(8.36)	25.93	34.87	20.72	122.57
Closing Cash/Bank balance	**333.90**	**331.96**	**302.61**	**307.99**	**325.53**	**317.76**	**327.64**	**342.27**	**333.91**	**359.83**	**394.70**	**415.42**	**415.42**

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11.0.7 TPNODL RETAIL SUPPLY TARRIF ORDER FOR FY 2023-24:

Table – 24
Wheeling Charges Approved for FY 2023-24

	TPCODL	TPNODL	TPWODL	TPSODL
Energy Handled at HT (MU)	9398.00	4554.70	7934.46	4213.05
Net Distribution Cost (Rs. Crs.)	936.74	642.60	758.00	580.16
Wheeling Charge calculated for 2023-24 (Paise per unit)	**99.67**	**141.09**	**95.53**	**137.71**

Table - 25
Computed Surcharge for Open access consumer 1MW and above for FY 2023-24

DISCOM	TPCODL	TPNODL	TPWODL	TPSODL
Surcharge for EHT Consumer (P/U)	242.90	212.90	157.90	337.90
Surcharge for HT Consumer (P/U)	121.60	47.58	33.35	186.83

94. As per mandate of the Electricity Act, 2003 under Section 42, the Cross Subsidy Surcharge (CSS) is to be reduced progressively. The Commission is authorized to evolve a methodology for such reduction. Accordingly, the Commission has fixed the leviable surcharge, wheeling charges and transmission charges for open access customer for FY 2023-24 as given in Table below:

Table – 26
Leviable Surcharge, Wheeling Charge and Transmission Charge for Open access consumer 1MW and above for FY 2023-24

Name of the licensee	Cross Subsidy Surcharge (P/U)		Wheeling Charge P/U applicable to HT consumers only	Transmission Charges for Open access Customer
	EHT	HT		
TPCODL	170.03	85.12	99.67	The Open Access customer availing open access shall pay Rs.5760/MW/Day (Rs.240/MW/Hour) as transmission charges
TPNODL	149.03	33.31	141.09	
TPWODL	110.53	23.35	95.53	
TPSODL	236.53	130.78	137.71	

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Table - 23

Cross Subsidy Table for FY 2023-24

Year	Level of Voltage	Average cost of supply for the State as a whole (P/U)	Average Tariff P/U	Cross-Subsidy P/U	Percentage of Cross-subsidy above/below of cost of supply	Remarks
(1)	(2)	(3)	(4)	(5) =(4)-(3)	(6)=(5)/(3)	(7)
2017-18	EHT	488.26	580.45	92.19	18.88%	The tariff for HT and EHT categories have been calculated based on average tariff of that category.
	HT		581.60	93.34	19.12%	
	LT		398.95	-89.31	-18.29%	
2018-19	EHT	489.47	576.88	87.41	17.86%	
	HT		579.18	89.71	18.33%	
	LT		398.72	-90.76	-18.54%	
2019-20	EHT	499.71	577.21	77.49	15.51%	
	HT		579.38	79.67	15.94%	
	LT		406.21	-93.50	-18.71%	
2020-21	EHT	524.62	595.77	71.15	13.56%	
	HT		596.18	71.56	13.64%	
	LT		433.81	-90.81	-17.31%	
2021-22	EHT	548.40	626.50	78.10	14.24%	
	HT		623.90	75.49	13.77%	
	LT		466.07	-82.33	-15.01%	
2022-23	EHT	587.77	654.61	66.84	11.37%	
	HT		640.36	52.59	8.95%	
	LT		478.44	-109.33	-18.60%	
2023-24	EHT	604.22	622.71	18.50	3.06%	
	HT		652.90	48.68	8.06%	
	LT		497.71	-106.51	-17.63%	

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Table - 32

L.T.PERFORMANCE OF TPNODL FOR THE FY 2021-22

Sl. No.	Name of Division	No. of Consumers	Energy Input (MU) (Assuming HT Loss 8%)	Energy Sold (MU)	T & D Loss (%) (Assuming HT Loss 8%)	Billing Efficiency (%)	Billing to Consumer (Rs. in Crs.)	Collection Received (Rs. in Crs.)	Collection Efficiency (%)	AT & C Loss (%)	LT Realization Per LT Input P/U
1	BED, BALASORE	63048	157.266	138.828	11.72%	88.28%	77.71	70.23	90.38%	20.23%	447
2	BTED, BASTA	85356	128.905	79.324	37.49%	62.51%	37.97	29.34	77.28%	51.79%	231
3	JED, JALESWAR	121761	164.434	125.459	23.70%	76.30%	56.56	45.38	80.25%	38.79%	276
4	CED, BALASORE	119226	200.014	128.650	35.68%	64.32%	63.64	52.52	82.52%	46.92%	263
5	SED, SORO	153018	167.631	143.431	14.44%	85.56%	68.59	56.43	82.29%	29.58%	337
6	BNED, BHADRAK (N)	190050	304.674	213.300	29.99%	70.01%	109.87	91.57	83.35%	41.65%	301
7	BSED, BHADRAK (S)	116724	151.076	106.862	29.27%	70.73%	51.45	46.89	91.13%	35.54%	310
8	BPED, BARIPADA	238965	284.313	257.126	16.60%	83.40%	119.32	97.89	82.04%	31.57%	344
9	UED, UDALA	111266	91.918	92.580	-0.72%	100.72%	45.64	31.49	69.01%	30.36%	343
10	RED, RAIRANGPUR	209439	206.843	180.010	12.97%	87.03%	89.02	60.92	68.43%	40.44%	295
11	JRED, JAJPUR ROAD	103621	220.138	152.580	30.69%	69.31%	81.69	75.31	92.19%	36.10%	342
12	JTED, JAJPUR TOWN	103572	181.008	108.908	39.84%	60.14%	53.40	51.53	96.50%	41.97%	285
13	KUED, KUAKHIA	120048	219.956	121.438	44.79%	55.21%	60.84	56.06	92.15%	49.13%	255
14	KED, KEONJHAR	125049	102.240	112.240	-9.78%	109.78%	59.95	52.10	86.90%	4.60%	510
15	JOED, JODA	91014	119.342	115.019	3.62%	96.38%	62.66	57.74	92.14%	11.20%	484
16	AED, ANANDAPUR	139026	157.822	111.944	29.07%	70.93%	56.99	45.40	79.66%	43.48%	288
TPNODL TOTAL		**2080083**	**2855.673**	**2167.700**	**24.09%**	**75.91%**	**1095.31**	**920.83**	**84.07%**	**36.18%**	**322**

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TARIFF DESIGN

The present tariff structure

190. In line with the prevailing practice of tariff design, the Commission has decided to continue with the prevailing practice of single part, two part and three part tariffs for the ensuing year. While single part tariff is applicable to consumers covered under Kutir Jyoti, the other categories of consumers are covered under two part and three part tariffs.

191. Two part tariff covers LT consumers with connected load/contract demand less than 110 kVA and such consumers will have to pay MMFC (Rs./kW or KVA) and energy charges.

192. Three part tariff is applicable to HT and EHT consumers with contract demand of 110 kVA and above and such consumers will have to pay demand charges (Rs./kVA), energy charges (Rs./KVAh) and customer service charge (Rs./month).

Single Part Tariff

Kutir Jyoti consumers: Fixed Monthly Charge (Rs./Month) for consumption upto 30 units per month.

Two Part Tariff – for LT Supply less than 100 KW / 110 kVA

All classes of consumers other than Kutir Jyoti

(a) Energy Charge (kWh) (Paise/unit)

(b) Monthly Minimum Fixed Charge (MMFC) (Rs./KW/Month)

Three Part Tariff - LT consumers with connected load 110 kVA and above

(a) Demand Charge (Rs./kVA)

(b) Energy Charge (Rs./kVAh)

(c) Customer Service Charge (Rs./Month)

HT Consumers

(a) Demand Charge (Rs./kVA)

(b) Energy Charge (Rs./kVAh)

(c) Customer Service Charge (Rs./Month)

EHT Consumers

(a) Demand Charge (Rs./kVA)

(b) Energy Charge (Rs./kVAh)

(c) Customer Service Charge (Rs./Month)

193. In addition, certain other charges like prompt payment rebate, meter rent, delayed payment surcharge, over drawal penalty, incentive and other miscellaneous charges, etc. are payable under different circumstances as mentioned in the later part of this order.

194. The Commission has decided, RST structure for the FY 2023-24 in general will remain uncharged and most of the applicable charges for various category of consumers will remain same as that of FY 2022-23. The details of charges applicable to various categories of consumers classified under the OERC Distribution (Conditions of Supply) Code, 2019 are discussed hereafter.

(a) <u>Tariff for LT Consumers availing Power Supply at LT</u>

195. The consumers availing power supply at LT with CD less than 110 kVA or 100 KW have to pay Monthly Minimum Fixed Charge (MMFC) and energy charges as described below:

(a) The MMFC is payable by the LT consumers with contract demand less than 110 kVA.

(b) The Commission has decided that the rate of MMFC determined for FY 2022-23 shall continue for FY 2023-24.

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Table – 76

MMFC for LT consumers

Sl. No	Category of Consumers	Monthly Minimum Fixed Charge (MMFC) for first KW or part (Rs.)*	Monthly Minimum Fixed Charge (MMFC) for any additional KW or part (Rs.)
		Approved For FY 2023-24	
	LT Category		
1.	Domestic (other than Kutir Jyoti)	20	20
2.	General Purpose LT (<110 kVA)	30	30
3.	Irrigation Pumping and Agriculture	20	10
4.	Allied Agricultural Activities	20	10
5.	Allied Agro-Industrial Activities	80	50
6.	Public Lighting	20	15
7.	LT Industrial (S) Supply	80	35
8.	LT Industrial (M) Supply	100	80
9.	Specified Public Purpose	50	50
10.	Public Water Works and Sewerage Pumping <110 kVA	50	50

* When agreement stipulates supply in kVA this shall be converted to kW by multiplying with a power factor of 0.9 as per Regulation 2 (20) of OERC Distribution (Conditions of Supply) Code, 2019.

196. Some consumers with connected load less than 110 kVA might have been provided with simple energy meters which record energy consumption and not the maximum demand. But the OERC Distribution (Conditions of Supply) Code, 2019, provides that "Contract Demand for connected loads of 110 kVA and above shall be as stipulated in the agreement and may be different from the connected load. Contract Demand for a connected load below 110 kVA shall be the same as connected load. However, in case of installation with static meter/meter with provision of recording demand, the recorded demand rounded to nearest 0.5 KW shall be considered as the contract demand requiring no verification irrespective of the agreement. Therefore, for the purpose of calculation of Monthly Minimum Fixed Charge (MMFC) for the connected load below 110 kVA or 100 KW, the above stipulation holds good. The licensees are directed to follow the above provision of Regulation strictly.

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Energy Charge (Consumers with Connected Load less than 110 kVA)

Domestic

197. The Commission is aware of the paying capability of Below Poverty Level (BPL) consumers. Therefore, the Kutir Jyoti consumers will only pay the monthly minimum fixed charge @ Rs.80/- per month for consumption upto 30 units per month. In case, these consumers consume in excess of 30 units per month, they will be billed like any other domestic consumers depending on their consumption and will lose their BPL status from that month onwards.

198. The Commission is also conscious of affordability of non-Kutir Jyoti consumers. Keeping this in view the Energy Charges for supply to LT domestic consumers using low tension system remains unchanged for FY 2023-24 which are given below:

Domestic consumption slab per month	Energy charge
Upto and including 50 Units	300 paise per unit
From 51 to 200 units	480 paise per unit
From 201 to 400 units	580 paise per unit
More than 400 units consumption	620 paise per unit

199. In accordance with the provisions under the OERC Distribution (Condition of Supply) Code, 2019, initial power supply shall not be given without a correct meter. Load factor billing has been done away with since 1st April, 2004, as stipulated in the Commission's RST order for FY 2003-04. As such the licensees are directed not to bill any consumer on load factor basis.

General Purpose LT (<110 kVA)

200. The Commission reviewed the existing tariff structure and decided to continue with existing rate for GP LT category of consumers.

Table - 77

Slab	Energy charge (P/U)
First 100 units	590
Next 200 units	700
Balance units	760

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Irrigation Pumping and Agriculture

201. The Commission decides that the Energy Charge for this category shall be 150 paise per unit for supply at LT level as usual. Consumers in the irrigation pumping and agriculture category availing power supply at HT level will pay 140 paise per unit (kVAh) as usual.

Allied Agricultural Activities

202. The Commission decides that the tariff of this category shall continue at 160 paise per unit (kWh) at LT level and 150 paise per unit (kVAh) at HT level.

Allied Agro-Industrial Activities

203. The Commission decides to revise the tariff downward to 310 paise per unit (kWh) at LT level and 300 paise per unit (kVAh) at HT level. This downward revision has been made considering the requirement of cold storage in our State which would help in preserving the agro-produce.

Energy Charges for Other LT Consumers

204. The Commission, keeping its objective of rationalisation of tariff structure by progressive introduction of a cost-based tariff, has linked the Energy Charge at different voltage levels to reflect the cost of supply. The following tariff structure is continued for FY 2023-24 for all loads at LT level except domestic, Kutir Jyoti, general purpose, irrigation pumping, allied agricultural activities and allied agro-industrial activities.

Voltage of Supply	Energy Charge
LT	620 paise per unit

The above rate shall apply to the following categories of LT consumers:

1) Public lighting
2) LT industrial(S) supply <22 KVA
3) LT industrial(M) supply >=22 KVA <110 KVA
4) Specified Public Purpose
5) Public Water works and Sewerage pumping < 110 KVA
6) Public Water works and Sewerage pumping >= 110 KVA
7) General Purpose >= 110 KVA
8) Large Industries >=110 KVA

Tariff for consumers availing power supply at LT level with contract demand of 110 kVA and above are given hereunder.

v

Customer Service Charge at LT level

205. As explained earlier, these categories of consumers are required to pay three part tariff. The existing customer service charge for consumers with connected load of 110 kVA and above shall continue for FY 2023-24 as given in Table below.

Table - 78

Category	Voltage of Supply	Customer Service Charge (Rs. per Month)
Public Water Works and Sewerage Pumping (=>110kVA)	LT	30
General Purpose (=>110kVA)	LT	30
Large Industry >=110 kVA	LT	30

Demand charges at LT level

206. The Commission examined the existing level of Demand Charge of Rs.200/kVA/month payable by the consumers with a contract demand of 110 kVA and above and decides not to revise it. This shall include Public Water Works and Sewerage Pumping, General Purpose Supply and Large Industry of contract demand of 110 kVA or more.

Voltage of Supply	Demand charge
LT (110 kVA & above)	Rs.200/ kVA/month

Tariff For HT & EHT Consumers

(i) **Customer Service Charge for consumers with contract demand of 110 kVA and above at HT & EHT level**

207. All the consumers at HT and EHT level having CD of 110 kVA and above are liable to pay customer service charge. This charge is meant for meeting the expenditure of the licensees on account of meter reading, preparation of bills, delivery of bills, collection of revenue and maintenance of customer accounts etc. The licensee is bound to meet these expenses irrespective of the level of consumption of the consumer. The customer service charges shall continue as it is as per details given in the table below:

Table – 79

Category	Voltage of Supply	Customer service charge (Rs./month)
Bulk Supply (Domestic)	HT	Rs.250/- for all categories
Irrigation Pumping and Agriculture	HT	
Allied Agricultural Activities	HT	
Allied Agro-Industrial Activities	HT	
Specified Public Purpose	HT	
General Purpose (HT >70 kVA <110kVA)	HT	
HT Industrial (M) Supply	HT	

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Category	Voltage of Supply	Customer service charge (Rs./month)
General Purpose (=>110kVA)	HT	
Public Water Works and Sewerage Pumping	HT	
Large Industry	HT	
Power Intensive Industry	HT	
Mini Steel Plant	HT	
Emergency Supply to CGPs	HT	
Railway Traction	HT	
General Purpose	EHT	Rs.700/- for all categories
Large Industry	EHT	
Railway Traction	EHT	
Heavy Industry	EHT	
Power Intensive Industry	EHT	
Mini Steel Plant	EHT	
Emergency Supply to CGPs	EHT	

(ii) Demand charge for HT & EHT consumers

208. The Commission examined the existing Demand Charge of Rs.250/kVA/month payable by the HT and EHT consumers and demand charge of Rs.150/KVA/Month payable by HT Industrial (M) consumers (>=22 kVA and less than 110 kVA) and decides not to alter the existing arrangement. The class of consumers, the voltage level of supply and applicable demand charge (Rs.250/150 per KVA per month) are listed below.

HT Category (Rs.250 per KVA per month)

Specified Public Purpose

General Purpose (>70 kVA <110 kVA)

General Purpose (>=110 kVA)

Public Water Works and Sewerage Pumping

Large Industry

Power Intensive Industry

Mini Steel Plant

Railway Traction

HT Category (Rs.150 per KVA per month)

HT Industrial (M) Supply

EHT Category (Rs.250 per KVA per month)

General Purpose

Large Industry

Railway Traction

Heavy Industry

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Power Intensive Industry

Mini Steel Plant

209. Consumers with contract demand 110 kVA & above are to be billed on two-part tariff on the basis of actual reading of the demand meter and the energy meter. They are also allowed to increase their contract demand. The Demand Charge reflects the recovery of fixed cost payable by the consumers as capacity in reserved for them by the licensee. To insulate the licensee from the risk of financial uncertainty due to non-utilisation of the contracted capacity by the consumer, it is necessary that the consumer pays at least a certain amount of fixed cost to the licensee. To arrive at that cost, the Commission studied the pattern of demand recorded by the demand meters of all such consumers of the licensee. Keeping in view the above aspect, the Commission has decided that the existing method of billing the consumer for the Demand Charge on the basis of the maximum demand recorded or 80% of the contract demand, whichever is higher shall continue. The method of billing of Demand Charge in case of consumers without a meter or with a defective meter, shall be in accordance with the procedure prescribed in the OERC Distribution (Conditions of Supply) Code, 2019. Again in case of statutory load restriction, the contract demand shall be assumed as the restricted demand.

210. As per the OERC Distribution (Conditions of Supply) Code, 2019, for contract demand above 70 kVA but below 555 kVA, supply shall be at 3-phase, 3-wire, 11 kV. However, these consumers connected prior to 01.10.95 may be allowed to continue to receive power at LT level. The Commission decides to continue with the same demand charges for following consumers at HT level.

Table - 80

Category	(Rs./KVA/month)
Bulk Supply Domestic	20
Irrigation pumping	30
Allied Agricultural Activities	30
Allied Agro-Industrial Activities	50

211. However, the demand in respect of consumers with Contract Demand less than 110 kVA (for all categories of consumers) and having static meters shall be the highest demand recorded in the meter during the Financial Year irrespective of the Connected Load, which shall require no verification. For billing purpose, the highest demand recorded in a month shall be considered from the month it occurred, till the end of the financial year.

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(iii) Energy Charge for HT and EHT consumers

212. The Commission always aims for rationalisation of tariff structure by progressive introduction of a cost-based tariff and has set the Energy Charge at different voltage levels to reflect the cost of supply. The principle of higher rate of energy charge for supply at low voltage and gradual reduction in rate as the voltage level goes up has been adopted. The Commission has introduced kVAh tariff for HT and EHT consumers since FY 2021-22. This method of billing for energy charge captures both active and reactive energy consumed by the consumers and the same will continue for FY 2023-24.

213. For HT bulk supply, domestic consumers, the energy charges have been fixed at 490 paise per unit (kVAh).

Graded Slab Tariff for HT/EHT Consumers

214. The Commission has decided to continue with the graded slab of tariff structure for HT and EHT consumers where the demand charges are billed on kVA basis as given in Table below:

Table – 81
Slab rate of energy charges for HT & EHT (Paise per unit (kVAh))

Load Factor (%)	HT	EHT
= < 60%	585	580
> 60%	475	470

215. All HT industrial consumers (Steel Plant) without CGP having Contract Demand (CD) of 1 MVA and above shall get a rebate on energy charge on achieving the load factor as given below for the FY 2023-24:

Table - 82

Load Factor	CD upto 6 MVA	CD above 6 MVA
65% and above upto 75%	10% on energy charge	-
above 75% upto 85%	15% on energy charge	8% on energy charge
above 85%	20% on energy charge	10% on energy charge

The above rebate shall be on total consumption of energy.

Load reduction shall not be permitted to such category of industry for availing this rebate during the financial year 2023-24.

216. Load factor has to be calculated as per Regulation 2 (42) of the OERC supply Code, 2019. However, in calculation of load factor, the actual power factor of the consumer and power-on-hours during billing period shall be taken into consideration.

v

217. Power consumption in hours is defined as total hours in the billing period minus allowable power interruption hour. The maximum allowable power interruption hours in a month shall be 60 hours and the same shall be deducted from the total interruption hour. In case the power interruption hours is 60 hours or less in a month, then no deduction shall be made.

Supply at HT level for Irrigation pumping, Allied Agricultural Activities and Allied Agro-Industrial Activities Consumers

218. The Commission has decided to continue with the present tariff structure in respect of Irrigation pumping, Allied Agricultural and Allied Agro Industrial Activities categories availing power at HT level. The Energy Charge applicable to them has been fixed as follows:

Category		Energy Charge
Irrigation Pumping & Agriculture	-	140 paise per kVAh
Allied Agricultural Activities	-	150 paise per kVAh
Allied Agro-Industrial Activities	-	300 paise per kVAh

Industrial Colony Consumption

219. To encourage increase in the HT & EHT consumption, the Commission has decided to continue with the existing arrangement /tariff that the units consumed for the colony attached to the industry shall be separately metered and such consumption shall be deducted from the main meter reading and billed at 490 paise per unit for supply at HT level and 485 paise per unit at EHT level. For the energy consumed in colony in excess of 10% of the total consumption, the same shall be billed at the rate of Energy Charge applicable to the appropriate class of industry.

Colony / Hostel consumption

220. The Educational Institution (Specified Public Purpose) including attached hostel and / or residential colony who draws power through a single meter at HT level shall be eligible to be billed at 15% of their energy drawal under HT bulk supply domestic category @ 490 paise per unit.

Emergency power supply to CGPs/Generating stations

221. Industries owning CGPs/ Generating Stations have to enter into an agreement with the concerned DISCOMs for energy supply subject to technical feasibility and availability of required quantum of power/energy in the system as per the provision under the OERC Distribution (Condition of Supply) Code, 2019. For such consumers, (i) a flat rate of 780 paise/kWh at HT level and (ii) 770 paise/kWh at EHT level would apply. The industry owning CGP and having zero contract demand can draw power supply for its CGP from the Grid maximum upto the electrical energy in kWh limited to 10% load factor of the highest capacity of the Captive Generating unit. Overdrawal of energy beyond 10% of load factor of highest capacity of generating unit for consecutive three months shall be billed on two part tariff in kVAh per unit with discontinuation of emergency power supply status.

Green Certification

222. The consumers of any category can get a Green Consumer Certification by DISCOMs, if 100% of their power requirement is met from renewable sources by DISCOMs. The consumer has to pay additional 25 paise per unit as premium over and above the normal rate of energy charges. This facility shall be in force for one year from the effective date of this order. The consumer has to apply the concerned DISCOM in advance for this purpose. This facility shall not be available to the consumers having Captive Generating Plant (CGP). For this matter, our observations made earlier may be referred to.

Electric Vehicle

223. Charging of electric vehicle through public charging system/station shall be covered under General Purpose (GP) category and single part tariff of Rs.5.50 per unit shall be applicable. The charging unit established by group housing society through a separate connection shall also be treated as public charging system/station.

Mega Lift Points

224. The Mega Lift consumers (who are using electricity for irrigation purpose and not covered under the irrigation pumping and agriculture category of the Regulation) connected either to HT or EHT system shall be treated as GP consumers and shall not pay any demand charges and shall get an additional rebate of Rs.2 per unit (kVAh) on the respective energy charges.

v

Peak and Off-Peak Tariff

225. Section 62(3) of the Electricity Act, 2003 mandates as follows:

"The Appropriate Commission shall not, while determining the tariff under this Act, show undue preference to any consumer of electricity but may differentiate according to the consumer's load factor, power factor, voltage, total consumption of electricity during any specified period or the time at which the supply is required or the geographical position of any area, the nature of supply and the purpose for which the supply is required."

226. The Commission revises the duration of off peak hours for the FY 2023-24. Off peak hours for tariff purpose shall be from 2 PM to 6 PM in the day and 12 Midnight to 6 AM of the next day. Three-phase Consumers barring those mentioned below having static meters, recording hourly consumption with a memory of 31 days and having facility for downloading printout drawing power during off-peak hours shall be given a discount at the rate of 20 paise per unit of the energy consumption during above period. This discount, however, will not be applicable to the following categories of consumers.

i) Public Lighting Consumers

ii) Emergency supply to captive Generating plants

iii) LT Domestic

iv) LT General Purpose

Charges for Overdrawal

Penalty for Overdrawal

227. Demand charge shall be calculated on the basis of 80% Contract Demand (CD) or actual Maximum Demand (MD) whichever is higher during period other than off peak hours. The overdrawal penalty at the rate of Rs.250/KVA shall be charged on the excess drawal over the 120% CD during the off-peak hours.

No off peak overdrawal benefit will be available, if one overdraws beyond off peak hours. In such circumstances, the overdrawal penalty @ Rs.250/KVA shall be levied on the drawal in excess of the CD irrespective of the hours it occurs.

This penalty for overdrawal in all the above cases shall be over and above the normal demand charges.

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228. When the Maximum Demand is less than the Contract Demand during hours other than off peak hours, then the consumer is entitled for overdrawal benefit limited to 120% of Contract Demand during off peak hours. If Maximum Demand exceeds 120% of Contract Demand during off peak hours, then the consumer is liable for overdrawal penalty only on the excess demand recorded over 120% of CD @ Rs.250/- per KVA per month provided no other penalty due to overdrawal is levied. If Maximum Demand exceeds the Contract Demand beyond the off peak hours, then the consumer is not entitled to get off peak hour over drawal benefit even if the drawal during off peak hours is within 120% of CD.

Incentive for Overdrawal during off peak hours

229. As per the existing Commission's Order, all the consumers who pay two-part tariff with CD > 110 KVA are allowed to draw upto 120% of contract demand during off peak hours on payment of demand charge basing on the 80% of the contract demand or maximum demand drawn during other than off peak hours whichever is higher, where the drawal of maximum demand is within CD.

230. The Commission has decided to continue with the existing tariff peovisions wherein there is no penalty for overdrawal during off-peak hours upto 120% of the contract demand. The off-peak hours is defined as 2 PM to 6 PM in the day and 12 Midnight to 6 AM of the next day. However, any consumer overdrawing during hours other than off-peak hours shall not be eligible for overdrawal benefit during off-peak hours. In case of Statutory Load Regulation, deemed contract demand shall be the restricted contract demand.

Eligibility for availing over drawal benefit during off peak hours

231. HT and EHT consumers are allowed 120% over drawal benefit only if their maximum demand drawn during the period other than off peak hours remains within the contract demand. In case the consumer overdraws more than contract demand during the period other than off peak hours, but within 120% of contract demand during off-peak hours, no overdrawal benefit shall be allowed to such consumer. In that case, the demand charge will be calculated as per the recorded maximum demand, irrespective of hours of its drawal.

Metering on LT side of Consumers Transformer

232. As per Regulation 151 (ix) of the OERC Distribution (Conditions of Supply) Code, 2019 Transformer loss, as computed below has to be added to the consumption as per meter reading.

Energy loss = (730 X rating of the transformer KVA) /200.
Demand Loss in the transformer in KVA = Rating of the transformer in KVA / 200

Incentive for prompt payment

233. The Commission examined the existing method of incentive and its financial implications. The Commission has decided to allow incentive for early and prompt payment as follows:

a) A rebate of 10 paise/unit shall be allowed on energy charges if the payment of the bill (excluding all arrears) is made by the due date indicated in the bill in respect of the following categories of consumers.

LT: Domestic, General purpose <110 KVA, Irrigation Pumping and Agriculture, Allied Agricultural Activities and LT Industrial (S), Public Water Works and Sewerage Pumping.

HT: Bulk supply Domestic, Irrigation Pumping and Agriculture, Allied Agricultural Activities, General purpose >70 & <110 KVA, Public Water Works and Sewerage Pumping.

b) Consumers other than those mentioned at Para 'a' above shall be entitled to a rebate of 1% (one percent) of the amount of the monthly bill (excluding all arrears), if payment is made within 3 working days of presentation of the bill.

234. **Special Rebates**

a. Hostels attached to the Schools recognised and run by SC/ST Department of Government of Odisha shall get a rebate of Rs.2.40 paise per unit on energy charge under Specified Public Purpose category (LT/HT), which shall be over and above the normal rebate for which they are eligible.

b. All Swajala Dhara consumers under Public Water Works and Sewerage Pumping category shall get special rebate @ 10% on the total bill (except electricity duty and meter rent) over and above normal rebate, if the electricity bills are paid within due date.

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c. All rural LT domestic consumers availing power through correct meter and who pay the bill in time shall avail rebate of 10 paise per unit over and above other existing rebate for prompt payment.

d. 4% rebate over and above normal rebate shall be allowed on the bill to the LT domestic and single phase general purpose category of consumers only over and above all the rebates, if such consumer pays the entire amount of the bill through digital mode on or before due date.

e. Own Your Transformer – "OYT Scheme" is intended for the existing individual LT domestic, individual / Group General Purpose consumers who would like to avail single point supply by owning their distribution transformer. They will continue to be LT consumers with appropriate tariff category. In such case, licensee would extend a special concession of 5% rebate on the total electricity bill (except electricity duty and meter rent) of the respective category apart from the normal rebate on the payment of the bill by the due date. If the payment is not made within due date, no rebate, either normal or special is admissible. The maintenance of the 'OYT' transformer shall be made by Distribution Licensee. It is further clarified that the "OYT Scheme" is not applicable to any existing or new HT/EHT consumer.

Reconnection Charge

235. The Commission has decided that existing re-connection charges shall continue as follows:

Table - 83

Category of Consumers	Rate Applicable
LT Single Phase Domestic Consumer	Rs.150/-
LT Single Phase other consumer	Rs.400/-
LT 3 Phase consumers	Rs.600/-
HT and EHT consumers	Rs.3000/-

Delayed Payment Surcharge

236. The Commission has examined the present method of raising DPS & its rate and has decided that if payment is not made within the due date, Delayed Payment Surcharge shall be paid for every day of delay @ 1.25% per month on the amount remaining unpaid (excluding arrears on account of DPS) in respect of categories of consumers as mentioned below:

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i. Large industries
ii. LT/HT Industrial (M) Supply
iii. Railway Traction
iv. Public Lighting
v. Power Intensive Industries
vi. Heavy Industries
vii. General Purpose Supply >=110 KVA
viii. Specified Public Purpose
ix. Mini Steel Plants
x. Emergency supply to CGP
xi. Allied Agro-Industrial Activities
xii. Colony Consumption

The tariff as determined above is reflected in Annexure-B. For any discrepancy, Annexure-B is final.

Rounding off of consumers billed amount to nearest rupee

237. The Commission directs for rounding off of the electricity bills to the nearest rupee and at the same time directs that the money actually collected should be properly accounted for.

Charges for Temporary Supply

238. The tariff for the period of temporary connection shall be at the rate applicable to the relevant consumer category with the exception that Energy Charges shall be 10% higher (in case of temporary connection) compared to the regular connection. Connections, temporary in nature, shall be provided as far as possible with pre-paid meters to avoid accumulation of arrears in the event of dismantling of the temporary connection etc.

New Connection Charges for LT

239. Prospective small consumers requiring new LT single phase connection upto and including 2 kW load shall only pay a flat charge of Rs.1500/- and beyond 2 KW upto 5 KW a flat charge of Rs.2500/- as service connection charges and a processing fees of Rs.50/- excluding security deposit and cost of meter as applicable. If the line extension is required beyond 30 meters, the Licensee /supplier shall charge @ Rs.8,000/- for every span of line extension in addition to above charges. The service connection charges include the cost of material and supervision charges. In case of Single phase LT new or load enhancement consumers upto 5 KW shall not be asked to bear the cost of transformer or any other related additional cost for system improvement.

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Meter Rent

240. The Commission revises the meter rent for FY 2023-24 which will be effective from 01.04.2023 as follows:

Table – 84

Sl. No.	Type of Meter	Monthly Meter Rent (Rs.)
1.	Single Phase Static Meter	40
2.	LT Single Phase Smart Meter	60
3.	Three Phase whole current Static Energy Meter/ Three Phase whole current Smart Meter	150
4.	Three Phase LT CT Meter/ Three Phase Smart LT CT Meter (AMR/AMI compliant)	500
5.	Three Phase HT CT Meter/Three Phase Smart HT CT Meter (AMR/AMI compliant) – 11 KV	1000
6.	Three Phase HT CT Meter/Three Phase Smart HT CT Meter (AMR/AMI compliant) – 33 KV	2000
7.	HTTV Meter for Railway Traction	1000

Note: Meter rent for meter supplied by DISCOMs shall be collected for a period of sixty (60) months only.

However, in case of Single-Phase Smart meter supplied by DISCOMs the meter rent shall be collected for a period of ninety six (96) months only.

All statutory duties/cess etc. shall be collected in addition to meter rent. The Commission may revise the meter rent by a special order.

241. The Commission has decided that in general, Retail Supply Tariff (RST) for the FY 2023-24 will remain unchanged like previous FY 2022-23. However, without increasing the RST for two consecutive years, some tariff rationalisation measures, as detailed in the present order, have been introduced (based on feedback/suggestions of stakeholders) to reduce tariff burden further on LT domestic consumers & Allied Agro-Industrial consumer, MSME and to increase industrial consumption, particularly electricity consumption of power intensive industries etc. The continuation of some of the rationalisation measures is likely to generate confidence and encourage industrial growth & employment generation. Complete removal of Delayed Payment Surcharge (DPS) to LT and HT domestic consumers is likely to encourage timely payment of electricity bills. In addition rebate has been provided for cold storage facility (under Allied Agro Industries) and Railways. In the process, the collection efficiency & revenue earnings of DISCOMs is expected to increase. All these efforts are in the overall interest of consumes of the State and shall provide a conducive environment for DISCOMs to become operationally & financial stable and to achieve the ultimate goal of reliable, affordable, uninterruptible (24x7) Quality Power for All.

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Direction and expectations of Commission from DISCOMs

242. Distribution system is vital in the power delivery chain and establishes the last mile connectivity with the ultimate consumers. Consumer is supreme and the revenue generator to support the entire system in the power delivery chain from generation to Distribution of power. Distribution service providers have taken number of good initiatives for system improvement, reduction in distribution losses, improving safety of man & machine and resolving the meter & billing related issues etc. Lot more actions are still required to be taken by licensees.

243. All DISCOMs are directed –

(a) to provide the norms for engaging the outsourcing personnel through Business associates, details of number of outsourcing personnel at each division & circle level and works/responsibilities assigned to them.

(b) to provide present status and future planning for creation of dedicated industrial feeders with adequate protection system for providing reliable power supply.

(c) to carry out Energy audit for assessing LT & HT loss.

(d) to submit valuation of distribution assets under operation in their area of supply segregating them into three broad categories i.e. existing assets before taking over, assets created after taking over by present DISCOMs and assets created under Govt. funding before & after taking over of distribution business by the present DISCOMs.

(e) to create robust consumer data base by introducing KYC mechanism and other method to identify genuine consumer(s) & eliminate bogus consumer(s).

(f) to consider consumer-licensee interaction meetings to address consumer grievances and create a consumer friendly environment.

244. The details of material bank created for meeting regular O&M activities and for meeting the contingency situation like cyclone shall be submitted by all DISCOMs. Considering high cost involvement and susceptibility to damage/obsolence of equipment/material on storage, DISCOMs are directed to work out plan for cyclical stock build up at strategic locations along with consumption and replenishment plan for disaster mitigation. It has to be ensured that the material stock is built up ahead of expected period of cyclone and consumed on regular maintenance for optimum use of material bank so that no idle stock is maintained throughout the year under disaster mitigation.

Effective date of Tariff

245. The tariff schedule attached to this order shall be made effective from 01.04.2023 and shall remain in force until further order of the Commission. The DISCOMs should ensure that the billing cycle of any consumer should not be disturbed due to the above stipulations.

246. The Open Access Charges (Wheeling Charge, Transmission Charge and Cross Subsidy Surcharge) decided in this order (in Case Nos. 85, 86, 87 & 89 of 2022) shall be made effective from 1st April, 2023 and shall be in force until further order. The cases are disposed of accordingly.

247. The Truing Up applications of TPNODL, TPWODL, TPSODL and TPCODL, in Case No. 06/2023 (TPSODL), Case No. 84 of 2022 (TPNODL), Case No. 90 & 91 of 2022 (TPCODL), Case No. 81/2022 (TPWODL) are disposed of accordingly.

248. The applications of TPNODL, TPWODL, TPSODL and TPCODL, in Case Nos. 82/2022 (TPSODL), 83/2022 (TPNODL), 88/2022 (TPCODL) and 80/2022 (TPWODL) for approval of Aggregate Revenue Requirement and Retail Supply Tariff for FY 2023-24 are disposed of accordingly.

249. The Retail Supply Tariff as stipulated in the order shall be effective from 1st April, 2023 and shall remain in force until further orders.

Sd/-
(S. K. RAY MOHAPATRA)
MEMBER

Sd/-
(G. MOHAPATRA)
MEMBER

Annexure-A

REVENUE REQUIREMENT OF DISCOMs FOR THE FY 2023-24

Expenditure	TPWODL Approved 2022-23	TPWODL Proposed 2023-24	TPWODL Approved 2023-24	TPNODL Approved 2022-23	TPNODL Proposed 2023-24	TPNODL Approved 2023-24	TPSODL Approved 2022-23	TPSODL Proposed 2023-24	TPSODL Approved 2023-24	TPCODL Approved 2022-23	TPCODL Proposed 2023-24	TPCODL Approved 2023-24	Total Approved 2022-23	Total Proposed 2023-24	Total Approved 2023-24
Cost of Power Purchase	5148.00	4760.00	5307.54	1892.42	2396.51	2535.18	966.13	1085.31	1033.20	2057.00	3380.5	3413.00	9213.91	11520.16	12188.00
Transmission Cost	380.40	358.40	318.36	188.16	208.85	180.19	127.82	133.88	118.98	174.17	408.01	239.14	826.90	1009.12	887.28
SLDC Cost	1.67	1.67	2.06	1.09	1.06	1.16	0.79	0.71	0.76	1.75	1.36	1.74	5.29	5.22	5.72
Total Power Purchase, Transmission & SLDC Cost(A)	5,610.07	5,100.07	5,528.46	2082.86	2606.24	2696.53	1,120.24	1,219.94	1,152.94	2,232.87	3,610.51	3,704.96	10045.24	12534.56	13082.00
Employee costs	474.89	640.64	580.57	417.00	500.63	529.37	430.79	639.14	536.00	775.48	853.52	805.22	2098.96	2681.93	2438.17
Repair & Maintenance exp.	156.05	348.92	281.99	130.43	237.19	214.34	98.24	135.40	157.37	239.85	295.29	279.88	625.55	1049.89	928.28
Administrative and General Expenses	110.59	282.36	150.12	80.21	140.08	120.13	77.25	137.97	112.86	152.77	163.51	143.01	404.39	703.22	532.91
Provision for Bad & Doubtful Debts	27.87	60.72	62.12	16.02	33.03	35.59	12.99	19.86	19.91	34.28	50.87	31.73	91.13	167.48	169.72
Depreciation	48.32	97.08	72.93	44.66	68.89	49.83	32.03	62.09	32.33	48.34	81.38	81.38	171.32	307.42	238.28
Interest on loan and S.D	44.59	163.63	171.50	41.98	120.53	110.82	17.28	46.75	65.78	50.78	170.86	125.83	144.32	539.89	471.25
Total Operation & Maintenance and Other Cost	860.14	1,589.20	1,327.63	736.32	1,100.37	1,059.97	669.56	1,000.73	927.06	1,283.45	1,611.55	1,483.35	3,538.27	5,461.85	4,797.42
Less: Employee cost capitalised	23.16	25.87	23.67	23.94	16.50	16.50	28.17	30.24	30.24	23.90	28.29	28.29	97.39	98.78	98.70
Less: interest Capitalised		17.18	17.18		9.08	9.68			4.00		10.04	10.04	0.00	36.38	41.88
Return on equity	48.00	109.44	37.38	40.00	78.42	47.20	32.00	34.16	38.07	48.00	151.98	80.63	168.00	374.00	225.00
Tax on ROE		36.61			28.72			20.00						84.13	
Carrying Cost on Regulatory Asset/Liability		(10.47)			21.49									3.66	
Repayment on AR											29.40			29.40	
Total Distribution Cost	886.86	1,675.79	1,341.97	752.17	1201.56	1080.52	664.19	1,325.41	932.48	1,395.55	1,726.73	1,524.75	3608.80	5909.45	4883.56
Less: Miscellaneous Receipt/Non tariff Income	267.69	289.33	400.53	154.15	178.43	154.99	35.36	55.57	33.82	197.22	109.56	109.55	564.21	632.91	735.69
Net Distribution Cost(B)	619.27	1,386.42	941.44	598.02	1103.11	925.53	629.03	1,069.84	870.67	1,198.34	1,617.17	1,417.20	3044.66	5276.54	4160.85
True up of surplus/(Losses) for FY 2021-22		714.53	700.30			65.59			67.86			59.70		714.55	913.45
True up of surplus/(Losses) for FY 2020-21	170.00		113.70				60.00		11.65	140.00		-23.12	355.90		121.28
Provisional Surplus allowed in 2022-23 ARR			150.00						60.00			140			350.00
RSP surcharge			166.38												166.38
Total Special appropriation (C)		-	(277.38)		-	(65.59)		-	(40.49)			83.33			300.17
Total Revenue Requirement (A+B+C)	4079.34	5,771.94	6,192.72	2780.00	3707.35	3,556.28	1,689.27	2299.78	1,980.12	4,271.21	5227.48	5,203.50	12739.90	16996.55	16,942.72
Expected Revenue (Full year)	4119.48	6171.82	6231.99	2,781.05	3503.14	3,559.02	1694.00	1995.81	1990.77	4275.00	5144.05	5170.68	12787.51	16,804.82	16,972.46
GAP at existing(+/-)	40.14	399.88	39.27	0.95	(204.21)	2.74	4.73	(303.97)	2.55	3.79	(83.43)	(34.82)	47.61	(191.73)	29.74

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Annexure-B

RETAIL SUPPLY TARIFF EFFECTIVE FROM 1st APRIL, 2023

Sl. No.	Category of Consumers	Voltage of Supply	Demand Charge (Rs./KW/ Month)/ (Rs./KVA/ Month)	Energy Charge	Customer Service Charge (Rs./Month)	Monthly Minimum Fixed Charge for first KW or part (Rs.)	Monthly Fixed Charge for any additional KW or part (Rs.)	Rebate (P/kWh/ kVAh) / DPS
	LT Category			**(P/kWh)**				
1	Domestic							
1.a	Kutir Jyoti <= 30 Units/month	LT	FIXED MONTHLY CHARGE-->			80		
1.b	Others							Rebate 10
	(Consumption <= 50 units/month)	LT		**300.00**				
	(Consumption >50, <=200 units/month)	LT		**490.00**		20	20	
	(Consumption >200, <=400 units/month)	LT		**580.00**				
	Consumption >400 units/month)	LT		**620.00**				
2	General Purpose < 110 KVA							Rebate 10
	Consumption <=100 units/month	LT		**590.00**				
	Consumption >100, <=300 units/month	LT		**700.00**		30	30	
	(Consumption >300 units/month)	LT		**760.00**				
3	Irrigation Pumping and Agriculture	LT		**150.00**		20	10	Rebate 10
4	Allied Agricultural Activities	LT		**160.00**		20	10	Rebate 10
5	Allied Agro-Industrial Activities	LT		310.00		80	50	Rebate/DPS
6	Public Lighting	LT		**620.00**		20	15	Rebate/DPS
7	L.T. Industrial (S) Supply <22 KVA	LT		**620.00**		80	35	Rebate 10
8	L.T. Industrial (M) Supply >=22 KVA <110 KVA	LT		**620.00**		100	80	Rebate/DPS
9	Specified Public Purpose	LT		**620.00**		50	50	Rebate/DPS
10	Public Water Works and Sewerage Pumping <110 KVA	LT		**620.00**		50	50	Rebate 10
11	Public Water Works and Sewerage Pumping >=110 KVA	LT	200	**620.00**	30			Rebate 10
12	General Purpose >= 110 KVA	LT	200	**620.00**	30			Rebate/DPS
13	Large Industry >=110 KVA	LT	200	**620.00**	30			Rebate/DPS
	HT Category			**Energy Charge (P/kVAh)**				
14	Bulk Supply - Domestic	HT	20	**490.00**	250			Rebate 10
15	Irrigation Pumping and Agriculture	HT	30	**140.00**	250			Rebate 10
16	Allied Agricultural Activities	HT	30	**150.00**	250			Rebate 10
17	Allied Agro-Industrial Activities	HT	50	300.00	250			Rebate/DPS
18	Specified Public Purpose	HT	250		250			Rebate/DPS
19	General Purpose >70 KVA < 110 KVA	HT	250		250			Rebate 10
20	H.T Industrial (M) Supply	HT	150		250			Rebate/DPS
21	General Purpose >= 110 KVA	HT	250	As indicated in the notes below	250			Rebate/DPS
22	Public Water Works & Sewerage Pumping	HT	250		250			Rebate 10
23	Large Industry	HT	250		250			Rebate/DPS
24	Power Intensive Industry	HT	250		250			Rebate/DPS
25	Mini Steel Plant	HT	250		250			Rebate/DPS
26	Railway Traction	HT	250		250			Rebate/DPS
27	Emergency Supply to CGP (kWh)	HT	0	**780.00**	250			Rebate/DPS
28	Colony Consumption (Both SPP & Industrial)	HT	0	**490.00**	0			Rebate/DPS
	EHT Category			**Energy Charge (P/kVAh)**				
29	General Purpose	EHT	250		700			Rebate/DPS
30	Large Industry	EHT	250		700			Rebate/DPS
31	Railway Traction	EHT	250	As indicated in the notes below	700			Rebate/DPS
32	Heavy Industry	EHT	250		700			Rebate/DPS
33	Power Intensive Industry	EHT	250		700			Rebate/DPS
34	Mini Steel Plant	EHT	250		700			Rebate/DPS
35	Emergency Supply to CGP (kWh)	EHT	0	**770.00**	700			Rebate/DPS
36	Colony Consumption	EHT	0	**485.00**	0			Rebate/DPS

Note:

Slab rate of energy charges for HT & EHT (Paise/kVAh)

Load Factor (%)	HT	EHT
= < 60%	585.00	580.00
> 60%	475.00	470.00

(i) Energy charges for all LT consumers shall continue to be billed on the basis of kWh whereas the energy charges for HT and EHT consumers shall be billed on the basis of kVAh drawal. All open access transaction will be maintained in kWh sale only and kVAh based sale shall be converted into kWh base on the power factor for the month provided in the energy bills if necessary. For Electricity Duty purpose kWh shall be the unit for the consumers for whom ED is levied on the per unit basis. For load factor purpose kWh reading shall be taken into consideration.

(ii) The reconnection charges w.e.f. 01.04.2015 shall continue unaltered

Category of Consumers	Rate Applicable
LT Single Phase Domestic Consumer	Rs.150/-
LT Single Phase other consumer	Rs.400/-
LT 3 Phase consumers	Rs.600/-
All HT & EHT consumers	Rs.3000/-

(iii) Energy Charges shall be 10% higher in case of temporary connection compared to the regular connection in respective categories.

(iv) The meter rent w.e.f. 01.04.2023 shall be as follows:

Sl. No.	Type of Meter	Monthly Meter Rent (Rs.)
1.	Single Phase Static Meter	40
2.	LT Single Phase Smart Meter	60
3.	Three Phase whole current Static Energy Meter/ Three Phase whole current Smart Meter	150
4.	Three Phase LT CT Meter/ Three Phase Smart LT CT Meter (AMR/AMI compliant)	500
5.	Three Phase HT CT Meter/Three Phase Smart HT CT Meter (AMR/AMI compliant) – 11 KV	1000
6.	Three Phase HT CT Meter/Three Phase Smart HT CT Meter (AMR/AMI compliant) – 33 KV	2000
7.	HTTV Meter for Railway Traction	1000

Note: Meter rent for meter supplied by DISCOMs shall be collected for a period of sixty (60) months only.

However, in case of Single-Phase Smart meter supplied by DISCOMs the meter rent shall be collected for a period of ninety six (96) months only.

All statutory duties/cess etc. shall be collected in addition to meter rent. The Commission may revise the meter rent by a special order.

(v) All HT industrial consumers (Steel Plant) without CGP having Contract Demand (CD) of 1 MVA and above shall get a rebate on energy charge on achieving the load factor as given below:

Load Factor	CD upto 6 MVA	CD above 6 MVA
65% and above upto 75%	10% on energy charge	-
above 75% upto 85%	15% on energy charge	8% on energy charge
above 85%	20% on energy charge	10% on energy charge

The above rebate shall be applicable on total consumption of energy. Load reduction shall not be permitted to such category of industry for availing this rebate during the financial year 2023-24.

(vi) Any industry having CGP with CD up to 20MW willing to avail power from DISCOMs upto double the CD shall be allowed to draw power without payment of overdrawal penalty. For this purpose, the industry has to operate at minimum CD of 80% for the entire month. The applicable charges for incremental energy drawl (kVAh) beyond CD shall be Rs.5.00 per kVAh. Industries availing this benefit shall not be permitted to avail benefit under other schemes. However, the DISCOMs shall not exceed their approved SMD during that period. The DISCOM must ensure that for such overdrawal, the distribution system is not overloaded and no load shedding is imposed during that period. The concerned DISCOM must take prior permission of GRIDCO for providing this concession to consumer.

(vii) Any industry having CGP with CD above 20 MW willing to avail power from DISCOMs and operating at load factor more than 80% shall be allowed to draw power at the rate not less than Rs.5.00 per kVAh for all incremental energy drawal above 80% load factor. No overdrawal penalty shall be levied on them. For this purpose, the industry shall enter into a tripartite agreement with DISCOMs and GRIDCO.

(viii) All the industrial consumers drawing power at EHT level shall be eligible for a rebate of 10 paise per unit (kVAh) for all the units consumed in excess of 80% of load factor.

(ix) Railway Traction category shall get a rebate of 25 paise per unit for all the units consumed in addition to all other rebates they are eligible to avail.

(x) LT Single Phase consumers of all categories having CD upto 5 KW with pole within 30 meters from the consumer premises shall pay new connection charges excluding processing fees as follows:

Upto 2 KW : Rs.1,500/-
Beyond 2 KW upto 5 KW : Rs.2,500/-

However, if the line extension is required beyond 30 meters, the licensee/supplier shall charge @ Rs.8,000/- for every span of line extension in addition to the above charges.

(xi) A "Tatkal Scheme" for new connection is applicable to LT Domestic, Agricultural and General Purpose consumers.

(xii) In case of installation with static meter/meter with provision of recording demand, the recorded demand rounded to nearest 0.5 KW shall be considered as the contract demand requiring no verification irrespective of the agreement. Therefore, this shall also form the basis for the purpose of calculation of Monthly Minimum Fixed Charge (MMFC) for the connected load below 110 KVA.

(xiii) The billing in respect of demand charge for consumer(s) with Contract Demand less than 110 KVA shall be the highest demand recorded in the meter during the Financial Year irrespective of the Connected Load, which shall require no verification.

~~(xiv)~~ LT Domestic, LT General Purpose and HT Bulk Supply (Domestic) consumers will get 10 paise/unit rebate for prompt payment of the bill within due date.

(xv) Three phase consumers with meters are allowed to avail TOD rebate (excluding LT Domestic and LT General Purpose categories, Public Lighting, emergency supply to CGP) @ 20 paise/unit for energy consumed during off peak hours. **Off peak hours for this purpose shall be from 2 PM to 6 PM in the day and 12 Midnight to 6 AM of the next day.**

(xvi) Hostels attached to the Schools recognised and run by SC/ST Department, Government of Odisha shall get a rebate of Rs.2.40 paise per unit in energy charge under Specified Public Purpose category (LT / HT) which shall be over and above the normal rebate for which they are eligible.

(xvii) Swajala Dhara consumers under Public Water Works and Sewerage Pumping Installation category shall get special rebate @10% on the energy consumption over and above normal rebate, if electricity bills are paid within due date over and above normal rebate.

(xviii) During the statutory restriction imposed by the Fisheries Department, the Ice Factories (located at a distance not more than 5 KM towards the land from the sea shore of the restricted zone) will pay demand charges based on the actual maximum demand recorded during the billing period.

(xix) Poultry Farms with attached feed processing units having connected load less than 20% of the total connected load of poultry farms shall be treated as Allied Agricultural Activities instead of General Purpose category for tariff purpose. If the connected load of the attached feed processing unit exceeds 20% of the total connected load then the entire consumption by the poultry farm and feed processing unit taken together shall be charged

with the tariff as applicable for General Purpose or the Industrial Purpose as the case may be.

(xx) The food processing unit attached with cold storage shall be charged at Agro-Industrial tariff if cold storage load is not less than 80% of the entire connected load. If the load of the food processing unit (other than cold storage unit) exceeds 20% of the connected load, then the entire consumption by the cold storage and the food processing unit taken together shall be charged with the tariff as applicable for general purpose or the industrial purpose as the case may be.

(xxi) Drawal by the industries during off-peak hours upto 120% of Contract Demand without levy of any penalty has been allowed. "Off-peak hours" for the purpose of tariff shall be from **2 PM to 6 PM in the day and 12 Midnight to 6 AM of the next day**. The consumers who draw beyond their contract demand during the hours other than the off-peak hours shall not be eligible for this benefit. If the drawal during the off-peak hours exceeds 120% of the contract demand, overdrawal penalty shall be charged on the drawal over and above the 120% of contract demand (for details refer Tariff Order). If Statutory Load Regulation is imposed, then restricted demand shall be treated as contract demand.

(xxii) General purpose consumers with Contract Demand (CD) < 70 KVA shall be treated as LT consumers for tariff purposes irrespective of level of supply voltage. As per Regulation 134 (I) of OERC Distribution (Conditions of Supply) Code, 2019 the supply for load above 5 KW upto and including 70 KVA shall be through 3-phase, 3 or 4 wires at 400 volts between phases.

(xxiii) Own Your Transformer – "OYT Scheme" is intended for the existing individual LT domestic, individual/Group General Purpose consumers who would like to avail single point supply by owning their distribution transformer. In such case, the licensee would extend a special concession of 5% rebate on the total electricity bill (except electricity duty and meter rent) of the respective category apart from the normal rebate on the payment of the bill by the due date. If the payment is not made within due date, no rebate, either normal or special is admissible. The maintenance of the 'OYT' transformer shall be made by DISCOM Licensee (s). It is further clarified that the "OYT Scheme" is not applicable to any existing or new HT/EHT consumer.

(xxiv) The rural LT domestic consumers who draw their power through correct meter and pay the bill in time shall get rebate of 10 paise per unit over and above other existing rebate for prompt payment.

(xxv) 4% rebate over and above normal rebate shall be allowed on the bill to the LT domestic and single phase general purpose category of consumers only over and above all the rebates, if such consumer pays the entire amount through digital mode before due date.

(xxvi) 2% rebate shall be allowed to all pre-paid consumers on pre-paid amount.

(xxvii) A Special rebate to the LT single phase consumers in addition to any other rebate, he is otherwise eligible, shall be allowed at the end of the financial year (the bill for the month of March), if he has paid the bill for all the 12 months of the financial year consistently without fail within due date during the relevant financial year. The amount of rebate shall be equal to the rebate of the month of March for timely payment of bill.

(xxviii) The Educational Institution (Specified Public Purpose category consumers) including attached hostel and / or residential colony, who draw power through a single HT meter, shall be eligible to be billed at the rate of 15% of their energy drawal under HT bulk supply domestic category.

(xxix) The consumers of any category can get a Green Consumer Certification by DISCOMs, if 100% of their power requirement is met from renewable sources by DISCOMs. The consumer has to pay additional 25 paise per unit as premium over and above the normal rate of energy charges. This facility shall be in force for one year from the effective date of this order. The consumer has to apply the concerned DISCOM in advance for this purpose. This facility shall not be available to the consumers having Captive Generating Plants (CGPs).

(xxx) The printout of the record of the meter relating to MD, PF, number and period of interruption shall be supplied to the consumer wherever possible with a payment of Rs.500/- by the consumer for monthly record.

(xxxi) Charging of electric vehicle through public charging system/station shall be covered under General Purpose (GP) category and single part tariff of Rs.5.50 per unit shall be applicable. The charging unit established by group housing society through a separate connection shall also be treated as public charging system/station.

(xxxii) The Mega Lift consumers (who are using electricity for irrigation purpose and not covered under irrigation pumping and agriculture category of the Regulation) connected either to HT or EHT system shall be treated as GP consumers and shall not pay any demand charges and shall get an additional rebate of Rs.2 per unit (kVAh) on the respective energy charges.

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(xxxiii) LT Industrial (S) Supply consumers shall avail a rebate of 10 paisa per unit for all the units consumed, if their monthly operating load factor is more than 60%.

(xxxiv) Tariff as approved shall be applicable in addition to other charges as approved in this **Tariff order w.e.f. 01.04.2023.**

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Annexure C

1. The wheeling charge and surcharge as indicated in Table below shall be applicable w.e.f. 01.04.2023.

Surcharge, Wheeling Charge & Transmission Charge for Open Access consumer 1MW & above

Name of the licensee	Cross Subsidy Surcharge (P/U)		Wheeling Charge P/U applicable to HT consumers only	Transmission Charges for Open Access Customer (applicable for HT & EHT consumers)
	EHT	HT		
TPCODL	170.03	85.12	99.67	The Open Access customer availing Open Access shall pay Rs.5760/MW-day (Rs.240/MWh) as transmission charges.
TPNODL	149.03	33.31	141.09	
TPWODL	110.53	23.35	95.53	
TPSODL	236.53	130.78	137.71	

2. The normative transmission loss at EHT (3.0%) and normative wheeling loss for HT level (8%) are applicable for the year 2023-24.

3. Additional Surcharge: No additional surcharge over and above the Cross-Subsidy Surcharge needs to be paid to the embedded licensee.

4. The consumers availing renewable power through open access shall have to pay the transmission charge, wheeling charge and cross subsidy surcharge as applicable to consumers availing conventional power.

Exemption under Odisha renewable Energy Policy 2022:

(1) Fifty percent (50%) of Cross-subsidy surcharge are payable by the Open Access consumers, on consumption of energy from RE projects commissioned in the State during the policy period for fifteen (15) years.

(2) No Cross-subsidy surcharge are payable by the Industries in the State availing Renewable power from GRIDCO (with GRIDCO acting as a demand aggregator).

(3) 25% wheeling charge is payable by the Captive/ Open Access consumer drawing power from Renewable projects commissioned in the State during the during the RE Policy period for Fifteen (15) years.

(4) OPTCL shall provide exemption of twenty (20) paise per unit on STU (Transmission) charges to captive/open access consumers on consumption of energy from RE projects commissioned in the State during the policy period for fifteen (15) years. This exemption shall be allowed for five (5) more years in case of projects commissioned before 31.03.2026.

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11.0.8. TPNODL CAPEX PLAN DETAILS COPY:

8. Proposed CAPEX Plan for FY 23-24:

As explained earlier, TPNODL has identified several challenges related to Safety, 33kV/11kV/0.415kV/0.230 kV network, Metering infrastructure, Customer Services and Technology usage. These challenges are planned to be addressed through a systematic investment plan by TPNODL. The proposed CAPEX plan represents a justified and efficient level of total capital investment estimated by TPNODL to meet the service obligation, improving safety, reliability of network, level of service standards.

In order to improve the reliability and reduce the losses, major interventions like Network reinforcement, Technology adoption is proposed in this plan so that equipment failure / tripping can be reduced and reliability, billing & collection efficiency can be improved. The network demands urgent refurbishment like re-conductoring of feeders, optimization of feeder length, dedicated feeders for industrial/ commercial customers, replacement of damaged / tilted poles, provision of intermediate poles, replacement of joints, enhancing system protection, replacement of sick equipment and network augmentation to improve the reliability of power supply.

Introduction of advanced technologies and analytics will be prime focus area for improving the accuracy of the meter reading, curtail tampering of the meters and providing better and effective customer services. Further Business process re-engineering is required to improve the customer services. Technology adoption is also required to provide quality customer services, manage revenue cycle processes for reduction of AT&C losses and efficiently manage to deliver reliable and quality supply in safe manner to its consumer by meeting various standards of operation.

During the initial phase, capital investments are proposed under the following broad cost centres that shall be aligned with multiple initiatives and schemes so as to reduce AT&C losses, improve system reliability and augment the network to support continuous load growth. Further, a need is also felt to improve the existing facilities and infrastructure to provide a better consumer experience and a modern, rich, and conducive work environment to all employees for better performance.

With this objective of ensuring reliable power supply and ensuring best customer services to the end consumers, TPNODL has come up with a capital investment plan under the

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major heads. These heads are detailed in subsequent sections along with fund requirement and activities to be performed.

1) Statutory Compliance/Safety
2) Loss Reduction
3) Reliability Improvement
4) Load Growth
5) Technology & Civil Infrastructure
6) Reduction of carbon foot print

TPNODL proposes Capital Expenditure of INR 452.8 Crores. For FY 23-24 to carry out various activities under 6 major categories.

S. No.	Major Category	Activity	Amount in Cr.	Annexure
1	Statutory & Safety	Fencing of Distribution Substations	11.55	Annexure-3
		Boundary wall work at Primary Substations	10.73	Annexure-4
		Life enhancement of network and maintaining safe horizontal / vertical clearances	8.43	Annexure-5
		Yard Fencing with in PSS	0.98	Annexure-6
		Fire Extinguisher & Water Hydrant System for Jajpur Store	2.09	Annexure-7
		Fire wall for PTR **"6Mtr*8Mtr"**	1.14	Annexure-8
		Defective cable replacement	10	Annexure-9
		Shifting of O/H lines on safety ground on public request	4.34	Annexure-10
		Intrusion system for theft prevention is store	0.15	Annexure-11
Total (1)			**49.41**	
2	Loss Reduction	Testing equipment for Meter, Meter Reading, HT/LT Accucheck& other material.	5.91	Annexure-12
		Conversion of LT Bare conductor toAB Cable	43.35	Annexure-13
		Meters and metering equipment for energy audit	2.83	Annexure-14
		Equipment for AMR enablement of 3phase consumer meters	0.56	Annexure-15
		Field Testing equipment (PTR testing, PQ analizer, Switch gear testing kit)	3.96	Annexure-16
Total (2)			**56.61**	
3	Reliability	Replacement/Addition of network component in 33/11kV Primary Substation	10.18	Annexure-17
		11 KV Conductor up gradation	15.07	Annexure-18
		Refurbishment of 11KV/0.415 KV Distribution Substation (DSS)	3.11	Annexure-19

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S. No.	Major Category	Activity	Amount in Cr.	Annexure
		Installation of LV protection at DSS	33.38	Annexure-20
		Installation of Auto reclosure /Sectionalizers, RMUs	7.52	Annexure-21
		Installation of FPIs for O/H Lines	1.86	Annexure-22
		Installation of AB Switch, HG Fuse & LA for DTRs	25.47	Annexure-23
		11 KV Voltage Regulators for voltage improvement	5.01	Annexure-24
		Installation of Station Transformers(PPS)	0.72	Annexure-25
		Procurement of spares and servicing for ODSSP & IPDS	1.45	Annexure-26
		Earthing of Transformer	14.29	Annexure-27
Total (3)			**118.06**	
4	Network Optimisation & Load Growth	Augmentation of Power Transformer	2.60	Annexure-28
		Augmentation of Distribution Transformer	24.57	Annexure-29
		Addition of 11 kV Lines (O/H and U/G)	24.12	Annexure-30
		Addition of 33 kV Overhead Lines(O/H and U/G)	9.80	Annexure-31
		Addition of New PTR at PSS	5.08	Annexure-32
		Addition New DTRs along with Associated HT/LT lines	17.37	Annexure-33
		New 33/11kV PSS with Associated Lines	18.60	Annexure-34
Total (4)			**102.14**	
5	Technology and Civil Infrastructure	Security cameras, heavy-duty Racking system / Storage solutions for Jajpur store	1.5	Annexure-35
		Civil Infrastructure (Office Buildings, PSS, Stores, Approach Roads, Record room, Cafeteria Canteen, MRT office, STS office, STS Lab and others)	29.68	Annexure-36
		Office Administration	5.75	Annexure-37
		Automation of Non-ODSSP & SCADA Interigation	12.00	Annexure-38
		Bluetooth printer, cash drop box, RRG App	0.88	Annexure-39
		Data Recovery (DR) for Hardware Equiment	16.82	Annexure-40
		Data Center (DC) for Hardware Equiment	3.50	Annexure-41
		End computing devices	0.75	Annexure-42
		Cyber Security	7.70	Annexure-43
		Communication	4.01	Annexure-44
		SCADA-ADMS, Computing devices	10.10	Annexure-45
		GIS Software Implementation and Land Base & Network Survey & Digitization for 9 Division	27.86	Annexure-46
		Software and Application	0.75	Annexure-47
		Drones and its licence	0.30	Annexure-48
Total (5)			**121.60**	
6	Reducing Carbon Footprint	Budget for Electric Scooter/Car	3.99	Annexure-49
		Rooftop Solar System on office building (Solar Roof top system (Corp office , circle offices , Balasore Store)	0.99	Annexure-50
Total (6)			**4.98**	
Grand Total = 1+2+3+4+5+6			**452.80**	

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The Company has completed detailed Network studies for all the 5 circles through M/s PRDC, and M/s TPDDL and Inhouse team with five-year load growth scenario. Based on the outcome of the studies, the following business imperatives have been identified to be addressed through the Capex Investments of **Rs. 452.8 Cr.** during the year FY 23-24 under 6 major categories

Note: The Grand Total cost is exclusive of capitalizable Project Employee Cost and calculated Interest during Construction (IDC).

For each of the above major categories, the investment has been further detailed below:

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8.1 Statutory & safety:

8.1.1 Installation / Construction of Plinth fencing for DSS, Boundary wall for PSS & Yard Fencing with in PSS:

Distribution Substation are located at various locations catering the power supply requirement to the consumers. Since these are installed at various scattered locations along the Road, public places, near the commercial areas etc. During the survey, it is observed that boundary walls or fencing are either damaged or do not exist thus posing a safety threat to stray animals and public at large.

At many of the places it was found that the condition of the Fencing of DSS and Boundary wall for PSS is in a very bad condition. Ensuring safety of People & equipment is very much needed for safe operation. Hence it is proposed for Construction of fencing for DSS and Boundary wall of PSS, wherever required.

Distribution Substation (DSS) comprises of various equipment which perform specific task to ensure delivery of power supply at appropriate voltage to the end consumers. Main components are 11 kV Switching device, 11 kV Protection, Transformer, LV Protection, Earthing, fencing and O/G LV feeders. The most expensive equipment in the DSS is the Transformer and its life depends upon healthy condition of all other components be it LV Protection, HV Protection, Earthing or fencing. Thus, fencing is one of the most important part which ensures overall first-hand protection of the transformer. Therefore, installation of fencing and boundary wall to safeguard the DSS and PSS equipment and to maintain safety clearances is one of the major needs.

It will benefit by improving the safety of people and the equipment DSS failure will be reduced, hence power cuts will decrease.

Safety of public and stray animals

In this proposal, TPNODL intends to carry out new fencings in phase manner. In this year around 705 numbers of locations are being proposed for carrying out Fencing of DSS & 6376 meters of Boundary wall at PSS.

Detailed cost estimates for Fencing & Boundary Wall are attached in annexure No. 3 & 4.

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Circle wise Requirement of Fencing of DSS:

Circle Name	No of Divisions	Total no of 3 phase DT >100 KVA	DSS Fencing to be considered in FY23-24(Nos.)	Unit Cost for each DSS Fencing (in Rs)	Total Cost for DSS Fencing (in Crore)
Balasore	5	3360	270	163775.2	4.42
Bhadrak	2	1389	120		1.97
Baripada	3	1063	120		1.97
Jajpur	3	1754	70		1.15
Keonjhar	3	858	125		2.05
Total	**16**	**8424**	**705**		**11.55**

Circle wise Requirement of Boundary wall for PSS:

Circle Name	No of Divisions	No of PSS considered for boundary wall	Total quantity considered in FY23-24 (in meters)	Unit Cost for per meter Boundary wall for PSS in Rs.	xxTotal Cost for PSS Boundary wall (in Crore)
Balasore	5	3	3044	16830	5.12
Bhadrak	2	3	634		1.07
Baripada	3	2	1034		1.74
Jajpur	3	2	634		1.07
Keonjhar	3	2	1030		1.73
Total	**16**	**12**	**6376**		**10.73**

8.1.2 Fire Extinguisher & Water Hydrant System for office at Jajpur Store:

Fire breakout is a major risk for stores leading to loss of public assets & property. There had been occurrences of fire incidence in past where high value material had been destroyed in Store. Accordingly, there is need for establishment of Water Hydrant System for safety & avoid any eventuality of fire in and around.

The objective of this report is to design a Fire Fighting system that shall provide:

- Life safety of occupants.
- Property protection.
- Compliance with all relevant statutory requirements.
- Minimum disruption during emergency to the store function and power distribution system.
- Necessity of project is for fire risk mitigation plan.

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8.1.3 Fire wall for PTRs:

TPNODL has 239 nos of PSS with 538 nos power transformers of 1.0 MVA 1.6 MVA, 2 MVA, 3.15 MVA, 5 MVA, 7.5 MVA 8 MVA, 10 MVA and 12.5 MVA. As per CEA regulation and IS 1646 fire wall require to be constructed between two PTRs in the following conditions

Transformers and equipment installed outdoors, having an individual or aggregate oil content of 2,000 litres or more shall be located in a suitably fenced and locked enclosure separated on all sides by at least 6 m from any building including substation. Separating walls are necessary between transformers having an individual or aggregate oil content of 2,000 litres.

Recently EI has visited one of our PSS he has also advised to installed the fire wall between the 2 transformers where applicable.

Presently almost all the PTR are without the fire wall. So, to start with TPNODL is proposing the 30 Nos of firewall in the proposed DPR

8.1.4 Shifting of O/H lines on safety ground on public request:

TPNODL is in receipt of requests from local residents for shifting of Over Head lines from their area. It is generally observed that in such cases, residential houses have been constructed in the Right of Way (ROW) of the 33 kV Lines. As a result, the residential houses are below the OH lines or very close to the Lines creating unsafe situation. Generally, shifting of lines in such scenario can be undertaken by recovering suitable shifting charges from customer. However, there are few cases where multiple consumers, under one line have requested for shifting the same through legistrative prepresentative.

In one of such cases from Balasore area, about 15.0 kM of line section of 33 kV Feeder Odangi is identified for shifting based on representation from public representative. It is proposed to install 15 kM of 33 kV line through new route requiring the capex of Rs 4.34 Crs to cater to the said request for shifting the existing line.

Sl No	Circle	Volatge level	Feeder name	Length in km	Ref
1	Balasore	33kV	Odnagi	15.0	Public request by area MLA

TPNODL continues to receive multiple requests from individual consumers for shifting the Lines / DTRs from vicinity of their premises and such requests will be served only after recovering the shifting charges. However, based on scale of shifting involved and general public safety at large, specific cases shall be considered under capex through approval from Honorable Commission.

8.1.5 Defective cable replacement:

During the meter replacement activity, it has been observed that the existing service line of the most of the meters are very old and having multiple joints specially in govt connections like hospitals, govt school, govt offices, etc. At many locations these joints are necked and assessable to the consumer/public, which may be the safety risk to the consumer or general public.

So, for the eliminations of the safety risk the replacement of damaged service line proposed for replacement as and when required.

8.1.6 CAPEX requirement for Statutory & Safety:

Considering the vast geography involved leading to very high requirement of investment to make the network fully compliant to safety and statutory standards, TPNODL has proposed to attend the deficiencies on priority basis based on criticality of locations. Table below indicates the activities to be performed along with funds required under Statutory and Safety Head.

S. No.	Major Category	Activity	Amount in Cr.	Annexure
1	Statutory & Safety	Fencing of Distribution Substations	11.55	Annexure-3
		Boundary wall work at Primary Substations	10.73	Annexure-4
		Life enhancement of network and maintaining safe horizontal / vertical clearances	8.43	Annexure-5
		Yard Fencing with in PSS	0.98	Annexure-6
		Fire Extinguisher & Water Hydrant System for Jajpur Store	2.09	Annexure-7
		Fire wall for PTR **"6Mtr*8Mtr"**	1.14	Annexure-8
		Defective cable replacement	10.00	Annexure-9
		Shifting of O/H lines on safety ground on public request	4.34	Annexure-10
		Intrusion system for theft prevention is store	0.15	Annexure-11
Total (1)			**49.41**	

8.2 Loss Reduction:

During site inspections, energy meters were not found at consumer's premises which were energized under Soubhagya scheme, an initiative of GoI. Further, at number of places where energy meters are installed and available at site, the same are not functioning properly. The above issues are resulting into reduction in billing efficiency, high AT&C losses, increased provisional billing, defective bills, and increased consumer complaints leading to customer dissatisfaction. Errors in bills leads to non-payment of bills and thus hampers the collection efficiency. It is required to test meters on-site to detect any abnormality/theft thereby reducing AT&C losses. The Electronics meters have capacity for recording data in its memory. This meter data is required to be analysed for detecting any metering abnormality.

Therefore, in this head, following activities are planned for execution:

- Testing equipment for Meter, Meter Reading, HT/LT Accucheck & other material.
- Conversion of LT Bare conductor to AB Cable.
- Meters and metering equipment for energy audit.
- Equipment for AMR enablement of 3phase consumer meters.
- Field Testing equipment (PTR testing, PQ analyser, Switch gear testing kit).

8.2.1 Testing equipment for Meter, Meter Reading, HT/LT Accucheck, Meter test bench & other material

Meter testing equipment are required to ensure the statutory guidelines of testing of meters in field and to address the meter testing against consumer request for fast/faulty meter.

As per the guideline of OERC supply code, Clause No. 111(iii) *"The licensee/supplier shall also conduct periodical inspection/testing of the meters at site as per the following schedule or earlier":*

(a) Single phase meters at least once every five years
(b) LT three phase meters at least once every three years
(c) HT/EHT meters including MDI at least once a year

To ensure high quality in bulk supply of meters, TPNODL has estimated that meter testing lab has to be developed in Jajpur Circle. This lab will ensure the statutory requirement of meter testing in pan TPNODL.

As per the clause no. 102 (d) of OERC Supply code *"The licensee/supplier shall set up appropriate number of accredited testing laboratories or utilize the services of other accredited*

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testing laboratories. The licensee/supplier shall take immediate action to get the accreditations of their existing meter testing laboratories from NABL, if not already done".

Below mentioned testing equipment are required to be procured in addition to facilities already available.

S No.	Item Description	Unit	Quantity
1	Android Mobile for BLE Meter reading	EA	50
2	Desktop for Dumping of Meter data	EA	10.00
3	Drone	EA	5
4	HT Accucheck	EA	5.00
5	Phantom Load for site testing	EA	10
6	1 Ph Accucheck	EA	55
7	1 Ph & 3 Ph Portable Calibrator (Up to 120A, 0.05 Class)	EA	2
8	AC Magnet (0.2 T, 10 MT), DC Magnet 0.2 T & 0.27 T	EA	2
9	Control Panel for AC & DC Magnet	EA	1
10	Digital Clamp-on Meter	EA	51
11	4 Channel Oscilloscope with Differential Voltage & Current Probe	EA	1
12	HV Tester for 1Ph & 3Ph meter with Jig	EA	1
13	Red Phase Instrument	EA	6
14	Gauss Meter	EA	1
15	20 position test bench for single phase meter	EA	2
16	20 position test bench for three phase meter	EA	1
17	Temperature and Humidity meter	EA	2.00
18	RS232 to USB converter	EA	8
19	IR Tester	EA	1
20	Variable heat control Soldering Iron	EA	2
21	Differential cost of 1 Ph smart meter vs rent	EA	34000

8.2.2 Conversion of LT Bare conductor to AB Cable.

LT network plays important role of the Power supply distribution system and spread across TPNODL licensed area for power distribution. The bare overhead used is more prone to transient fault due to tree branch touching or any foreign particle fall on the line. Due to this, consumer's experiences frequent fault however, this can be reduced by structured maintenance. Moreover, Bare conductor is easier to maintain and faster to restore during any fault but at the same time, it requires more clearances. These bare conductor lines are more subject to electricity theft through direct hooking and thus causing revenue leakage in the system.

To improve the safety factor, minimize the safety accident risk, reduce the chances of fault & strengthen existing 415V network, it is suggested for replacement of overhead bare conductors with new aerial bundled cables. This in turn will help in providing reliable power supply for all consumers & stakeholders.

Moreover, during the survey, it is observed that LT bare conductor are more prone to hooking result into direct theft of the electricity. To avoid direct hooking, it is proposed to convert LT OH bare conductor into LT AB cable. This will help in eliminating the direct theft and thus protecting the revenue leakage.

The same resulted in reduced direct 'hooking' done on bare LT conductor lines thereby reducing commercial losses drastically in theft prone areas. LT Bare Line to ABC conversion would encompass following scope:

1. LT Bare shall be replaced with LT ABC.
2. Erection of mid span pole.
3. Earthing of every 5th Pole and poles which are installed across the road.
4. Erection of Mid span pole wherever the span length is more than 40 Mtrs to reduce the Sag.
5. Installation of Distribution Box and removing of jumbling of service line cables

Benefit to customer:

By executing the proposals as made in this head, 415V network can be strengthened and we would be able to serve our consumers in much better way. Following benefits are envisaged from this investment:

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1. Reliable Power supply to the Consumers since bare conductor will get converted into insulated cable.
2. Comparatively safer than the LT Bare conductor and eliminate the element of risk if comes in proximity.
3. Simpler installation, as crossbars and insulators are not required.
4. Suitable for congested lanes as well.
5. Electricity theft is becoming hard as hooking would not be possible.
6. Less required maintenance and necessary inspections of lines.

8.2.3 Meters and metering equipment for energy audit

The energy meters installed at the exchange points i.e. all 33 kV feeders emanating from the OPTCL are metered and properly accounted. The energy accounting losses at the exchange level are reduced to acceptable level by ensuring 100% installation of utility meters for 33 kV feeders at the OPTCL also by the correction of the defective wiring. Moreover, 33 kV PSS feeder and 11 kV feeder metering revival is in progress by the replacement of the burnt, defective meters and installation of new meters at the no meter cases. Till now out of 817 Feeder 11 kV feeder meters we have replaced 228 meters and for 33 kV 78 Nos of meters installed against the 214 Nos. of 33 kV Feeders. There are more than 300 meters which are old and out of warranty period. We need to replace them with the upgraded technology meters and are communicable with the AMR. There are around more than 500 meters which are required to be installed for group metering and transformer side metering.

Following the BEE guidelines, it is mandatory to have 100% feeder metering by next financial year. Hence, the aforesaid activity is very critical for the DISCOM to comply the feeder metering status as per the BEE targeted timelines so that feeder wise energy audit can be carried out

Considering the above it is proposed to install 500 nos. meter for 33 kV & 11 kV Feeder metering so that energy audit can be carried out.

8.2.4 Equipment for AMR enablement of 3phase consumer meters

As per the mandate by the BEE, the meters should be communicable and energy audit to be carried out for each 33 kV, 11 kV, DT meters & Consumer meter. Hence to collect such bulk data and carryout the energy audit for the feeders/DT, in time bound manner

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a technological intervention is required. Hence AMR solutions proposed to install on the 33kV, 11 kV, DT meters & Consumer meter. For this financial year we have procured 1,000 AMR & 1,000 SIM Card are proposed for installation. The proposed AMR will offer multiple benefits to the TPNODL as well as consumers. This will improve revenue cycle of the company. TPNODL will be able to control the billing and collection for these consumers effectively. Less billing disputes as 100% correct bills issued on actual meter readings.

S. No	Activity	Qty	Unit
1	AMR enablement of 3 phase consumer meters	1,000	EA
2	SIM Card	1,000	EA

8.2.5 Field Testing Equipment

In any power utility, the condition monitoring and testing of electrical asset plays a vital role in health assessment of electrical equipment. This helps in identification of equipment under risk, indicates decreasing performance and upcoming failure. The monitoring plan of identified under risk critical equipment, overhauling & replacement plans shall be prepared based on outcome of condition monitoring and test results. Implementation of this plan will improve the Sub transmission network reliability and reduction in equipment failure.

Objective:

- To establish a documented approach for condition monitoring and Testing
- To provide guidelines for methodology, permissible limits and frequency for condition monitoring and testing of electrical equipment at Primary Substation (PSS)
- To establish standardised practices across all operating circles
- Improve safety by eliminating the hazards associated with equipment under risk
- To establish process for equipment replacement based on test results and condition rather than age of assets
- To reduce the risk of failure through proactive condition monitoring / assessment thus ensuring reliable operation and reduced forced outages
- To support maintenance and testing engineers to ensure better asset management.

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Scope:

a. All condition monitoring activities including testing are considered except daily / hourly station round.

b. Following electrical equipment at Primary Substations (PSS) and 33 kV lines are considered in this document:

- 33 kV / 11 kV Power Transformer (1.6 MVA to 12.5 MVA rating)
- 33 kV & 11 kV Outdoor / Indoor Circuit Breaker
- 33 kV & 11 kV Ring Main Unit (RMU)
- 33 kV & 11 kV CT / PT
- Surge Arrestor
- Control and Protection Relay System
- Substation Earthing System
- Station DC System

Following references are considered while formulating these guidelines:

- Tata power's current Condition Monitoring and Testing practices
- Relevant IS / IEC / IEEE standards and CBIP guidelines
- Fault level and no. of electrical faults
- Constraints in site resources / test instruments and maintenance tools etc.
- Dependency on OEM / Service providers

8.2.6 CAPEX requirement for AT&C Loss Reduction

S. No.	Major Category	Activity	Amount in Cr.	Annexure
2	Loss Reduction	Testing equipment for Meter, Meter Reading, HT/LT Accucheck& other material.	5.91	Annexure-12
		Conversion of LT Bare conductor toAB Cable	43.35	Annexure-13
		Meters and metering equipment for energy audit	2.83	Annexure-14
		Equipment for AMR enablement of 3phase consumer meters	0.56	Annexure-15
		Field Testing equipment (PTR testing, PQ analizer, Switch gear testing kit)	3.96	Annexure-16
Total (2)			**56.61**	

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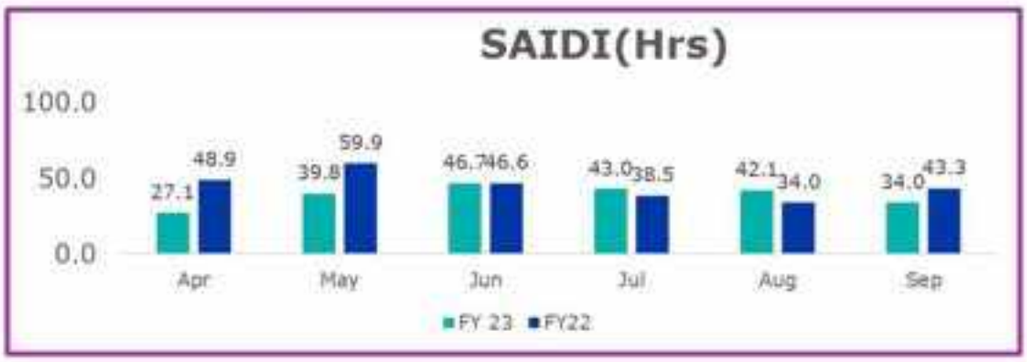
8.3 Network Reliability:

TPNODL have many long overhead feeders. The present power distribution network is in bad condition resulting into frequent tripping's and as a result consumer are not getting reliable and quality power supply. Below graphs show the comparison of SAIDI and SAIFI



TPNODL intends to implement the following actions to improve the reliability of power supply

- Identification and replacement of faulty / sick equipment causing frequent tripping.
- Introduction of technology to ensure faster restoration of supply in case of any tripping.

Most faults that occur on overhead lines are transient faults caused by lightning and tree branches touching the live line conductor. The transient fault caused by lightning results in damage to insulators if lightning arresters are not provided or not working. Transient

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faults caused by tree branches interfering with line conductor are removed immediately by operation of a protection relay.

Regular inspection of feeders followed by tree trimming regularly helps to minimize transient faults and in most cases trial recloser are found to be successful in feeder with higher transient fault. However, each time the feeders are tripped due to transient fault, all customers connected to the feeder experience outage. Utilities at times finds it difficult to identify the exact reason of the fault. In a long distribution feeder with many unprotected branches, it becomes difficult to identify the faulty and healthy sections of the feeder. TPNODL intends to use Auto-reclosers, Sectionalizers, and fault passage indicators to improve the reliability of overhead feeders. Apart from installing the above stated equipment, it is also planned to introduce AB switches at 33kV & 11kV long feeders so as to sectionalize at the appropriate location for any planned / unplanned shutdown thereby reducing the no. of affected consumers.

As discussed earlier, most of the LT feeders emanating from 11/0.415/0.230kV distribution substations don't have protection and control as a result, fault in any one LT circuit is likely to affect the supply of all customers connected on the same DT. Same is true with maintenance outages. To overcome this situation, TPNODL is planning to provide circuit breakers on LT feeders for control and protection of the feeder. Various initiatives proposed to improve the reliability of power supply in 11kV and downstream network are given below

1. 33 kV &11 kV Network refurbishment to ensure Horizontal / Vertical clearances and as per Load flow distribution planning done by GRIDCO.
2. Primary Substation (PSS) Distribution Substation (DSS) Refurbishment.
3. Installation of Auto Reclosers & Sectionalizers in important and critical feeders.
4. Installation of Communicable overhead FPIs for faster identification of faults.
5. Installation of LV protection at Distribution substation to arrest the LT faults at LT level itself instead escalating to the 11kV feeder level.
6. Replacement of Battery & Battery Charger to strengthen the DC protection system in 33/11kV Grid Substations.
7. Installation of AB switches at 33kV & 11kV lengthy feeders for improving Reliability during planned / unplanned outages.
8. Proposal for Trolley mounted pad substations.
9. Installation of Lightning arrestors.

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8.3.1 Replacement / Addition of network component in 33/11kV Primary Substation (PSS)

The Power distribution network & its equipment health is a critical factor for ensuring reliable & quality power supply to the end consumers. Although field teams are committed to upkeep the equipment by doing preventive maintenance, but still some of the equipment gets faulty and may result into pre-mature failure due to frequent tripping.

Pre-mature failure of the equipment results into long duration outage as it becomes difficult to restore the power supply if it happens during odd hours or if spare equipment is not available in the inventory. Hence, to ensure highest reliability, all equipment needs to operate properly at all the time.

To strengthen the existing network, it is suggested to replace the sick equipment in the existing network. Further, this replacement will help in utilization of the resource to the optimum level, managing the load in case of any exigency and mitigate the issue of overloading etc.

Budget is proposed for Sick equipment replacement to improve reliability of Power supply. Also, this will ensure better operation & control of the network & faster restoration of supply in case of interruptions.

1. Replacement of the faulty equipment (VCB, CT/PT, CRP, Isolator, etc.) in PSS.
2. Replacement / provision of AB switches.
3. Provision of new / additional earthing as per site requirement.
4. Carry out civil works as per site requirement.
5. Replacement of damaged support structure at PSS. This includes MS / GI structure, channels etc. Dismantling of existing structure and erection of new structure at same location has been considered in scope of the work.
6. Replacement of Battery and Charger.
7. Replacement of all undersize bus bars with standard size to remove hotspot.
8. Carry out civil works as per site requirement.
9. Detailed technical inspection and testing of the equipment.

Battery & Battery Charger:

During the field visits, it has been observed that some of the Battery and Battery charges are not operational and needs immediate replacement. Replacement of

Battery & Battery Charger is essential to strengthen the DC protection system in 33/11kV Grid Substations to improve reliability. Installation of Battery & Battery charges have been proposed to strengthen the DC system in the 33/11kV Grid Substations. In this year, 65 sets of Battery and 50 nos Battery chargers are proposed to be replaced.

8.3.2 33 kV & 11 kV Network Refurbishment / Conductor upgradation:

33kV or 11kV feeders are important asset for a distribution utility which connects various substations and provide power to end consumers. TPNODL has 3007 Ckt. KMs of 33kV and 38339.1 Ckt. KMs of 11kV feeders under its operational area. Besides, 67117.3 Ckt. KMs of LT feeders provides power to the end customers.

Proper upkeep of the feeders is important for ensuring safety and reliability of power supply. During site visits, it was observed that most of the 33kV / 11kV / LV lines are in very poor condition and pose safety threat to the human beings and animals. Most of the feeders have binding wire / multiple joints. As a result, there are chances of snapping of conductors and subsequent electrocution of human beings or animals since cradle guards are not provided. Due to scarcity of staff and materials, there is no structured maintenance program. Tree branches / creepers are interfering with live conductor at many locations. Huge number of tripping's are reported on 33 and 11kV feeders in previous years. With poor condition of network and absence of maintenance program, it is difficult for utility to ensure delivery of reliable and quality power supply to the end users. During site visits, it has been observed that conductor of different sizes is used in different phases which restricts the circuit capacity limiting to the lowest size of the conductor used in the circuit. Moreover, over sagged wires in 33kV or 11kV feeders are posing major threat to the lives of human beings and animals. At some places, due to re-construction/ widening of roads, vertical clearances of the feeders have reduced to the dangerous level. This is not only causing violation of statutory guidelines but also enhancing chances of fatal accidents.

Based on the load flow studies, we have identified new line installation. Detail load flow studies have been carried out in this regard and same can be refer to **"Annexure – 51"**.

To ensure safety of equipment and human beings / animals, refurbishment of 33kV, 11kV and LV lines is urgently required in phase manner starting from critical area where movement of public / animals is high. Refurbishment job would encompass following scope.

1. Straightening of tilted poles.

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2. Replacement of damaged poles, insulators, and accessories.
3. Earthing of every 5th Pole and poles which are installed across the road.
4. Erection of Mid span pole wherever the span length is more than 50 Mtrs to reduce the Sag.
5. Restringing of conductor to increase the vertical clearance by reducing the sag.
6. Replacement of the conductor in the sections having multiple joints.
7. Replacement of weak Jumpers and connections.
8. Replacement of binding wire joints with wedge connector to remove hotspots.
9. Installation of Danger boards, Anti climbing devices, stay sets etc. to ensure safety & statutory compliance.

8.3.3 Refurbishment of Distribution Substation (DSS):

Distribution Substation (DSS) comprises of various equipment which perform specific task to ensure delivery of power supply at appropriate voltage to the end consumers. Main components are 11 kV Switching device, 11 kV Protection, Distribution Transformer, LV Protection, Earthing, fencing and O/G LV feeders. The most expensive equipment in the DSS is Distribution Transformer and its life depends upon healthy condition of all other components be it LV Protection, HV Protection, Earthing or fencing. The age of Distribution Transformer can be enhanced by ensuring healthiness of all other components. Generally, in power distribution utility, most of the transformers are either approaching or have outlived their operational life. TPNODL, however, is of opinion that replacement of power distribution equipment merely on the basis of ageing is not advisable and other factors such as health of the assets & their associated components, loading conditions, and other operational criticalities also needs to be considered. The above exercise is necessary as replacement of equipment is capital intensive and has direct impact on tariff.

In our preliminary site visits, it is observed that existing DSS are in shabby condition with damaged or ill-maintained HT & LT protection equipment. All connections at pole mounted or plinth mounted substations are in very bad condition which not only cause high technical loss but also give rise to undue interruptions. The Aluminium lug / sockets used in DTs and other equipment in the substations are observed to be of inadequate size and proper crimping of lugs with the help of crimping tools found missing at almost all places. This is resulting into generation of hotspots and failure of connections.

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At all location, fuse cut-out arrangement found with oversize fuse wire. Most of the fuse cut-outs are installed at a lower height accessible to public and animals thus creating safety hazard. Analysis of distribution transformer's failure data for the last few years also suggest that effective HV & LV protection might have reduced the transformer failure. For example, if there is no effective protection on LV side and any fault occur on the load side, the fault current will pass through the transformer for a longer duration till such time the fault is isolated by upstream network. Since the magnitude of the fault current is high, it is likely to produce mechanical and thermal stresses in the transformer causing pre-mature failure of the transformer.

During the survey, it is observed that boundary walls and fencing are either damaged or do not exists thus poses safety threat to stray animal and public at large. At many of the places it was found that the condition of the Fencing of DSS was in a very bad condition.

S.No	Description	UOM	Unit Rate	Quantity Considered in this FY 23-24 (Nos.)	Amount (in Crores)
1	100 KVA DSS	EA	0.027	50	1.36
2	250 KVA DSS	EA	0.031	45	1.38
3	500 KVA DSS	EA	0.031	12	0.38
	Total			**107**	**3.11**

Ensuring safety of People & equipment is very much needed for safe operation. Hence it is proposed for Construction of fencing for DSS wherever required. Refurbishment/Life Enhancement of DSS helps in addressing the above-mentioned issues, improve the reliability of power system and above all ensures safety. TPNODL proposes for activities under Refurbishment of Distribution Substation:

- Detailed technical inspection and testing of the equipment.
- Replacement of damaged support structure at DSS. This includes MS / GI structure, channels etc. Dismantling of existing structure and erection of new structure at same location has been considered in scope of the work.
- Installation of palm connectors at HT and LT side of Distribution Transformers and ensuring that all connections are through palm connectors.
- Replacement of all undersize conductors with standard size to remove hotspot.
- Replacement / provision of AB switch, DD Fuse units, LT ACB or MCCB (depending on Transformer ratings) and all associated cables / conductors.

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- Provision of new / additional earthing in all DSS as per site requirement.
- Installation of fencing to safeguard the DSS equipment and to maintain safety clearances.
- Installation of danger boards, anti-climbing devices, stay-sets etc. to ensure safety & statutory compliance.
- Carry out civil works as per site requirement.

8.3.4 Installation of LV protection at DSS

During site visit it was observed that there are no LT Protection at DT secondary side, so any fault occurred during in LT shifts to 11kV System due to which 11kV feeders trips most of the time. The Tripping on 11kV feeders has impact of SAIFI and SAIDI and more and more consumers are being affected by the fault, which in turn reduces the reliability of the system.

To reduce the effect of LT fault on 11kV System, it is recommended to install the MCCB on Pole Mounting substation for 100 kVA, ACB on 250 KVA & 500 KVA Distribution Substations.

S.No	Description	UOM	Unit Rate	Quantity Considered in this FY 23-24 (Nos.)	Amount (in Crores)
1	Supply and Installation of MCCB-100 KVA	EA	0.007	4388	30.56
2	Supply and Installation of ACB -250 KVA	EA	0.011	108	1.15
3	Supply and Installation of ACB-500/315 KVA	EA	0.018	93	1.67
	Total			**4589**	**33.38**

8.3.5 Installation of Auto-recloser / Sectionalizers, RMUs & FPIs:

Auto-recloser are very efficient in minimizing outages from transient faults on overhead feeders. When installed along with Sectionalizers, they can isolate the faulty sections of the feeder while re- energizing the rest of the feeders. In case of very long circuits, the Sectionalizers can also be connected in series.

TPNODL currently has many very long overhead feeders. Moreover, it is observed that multiple 11kV feeders are controlled through single 11kV breaker or AB switch in some primary substation. Fault in any 11kV feeder or maintenance activity in 11kV breaker at

primary substation affects the supply of consumers connected on all 11kV feeders controlled from that breaker. To improve reliability of power supply at such substations, installation of Auto-recloser, Sectionalizers, Ring Main Units (RMU) and FPIs is being proposed in phase manner. In this year, a total of 10 numbers of Auto recloser / Sectionaliser have been proposed for installation.

TPNODL is also planning to install 50 numbers of RMUs to improve reliability. This will help in improving the reliability since currently entire feeder is forced tripped for such outages.

Installation of overhead Fault Passage Indicators (O/H FPIs) is proposed for faster identification and restoration of faults on long 11kV feeders with multiple sections. In this year, 1002 sets of FPIs are proposed for installation.

S.No	Description	UOM	Quantity	Unit Rate	Amount (INR)
1	Supply & Installation Auto Recloser/ Sectionalizer	Nos	10	0.133	1.33
3	Supply & Installation RMU 4 way O/D at 11 KV	Nos	10	0.128	1.28
4	Supply & Installation RMU 3 way O/D at 11 KV	Nos	10	0.121	1.21
5	Supply & Installation RMU 1 Way O/D at 11 KV	Nos	25	0.068	1.70
6	Supply & Installation RMU 4 way O/D at 33 KV	Nos	5	0.399	2.00
7	Supply & Installation FPI for OH Lines	set of 3	1002	0.002	1.86
				Total	**9.38**

Benefits

Auto-Recloser and Sectionaliser-Benefits

Continuity of power supply for the consumers resulting in less complaints from citizens.

1. Reduce the time of power supply disconnection in cases of transient faults.
2. Reduce the unsold energy due to faults.
3. Reduce the cost of manpower operating in managing disconnected lines.
4. Maximum utilization of the network components.

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5. Event Log and Remote control.
6. Reduce cost of fault finding.

RMU- Benefits:

1. The major advantage of Ring Main Units is the safety they provide to the operators. Like the operation of switching devices with interlocking system requires less knowledge and effort.
2. Working with IEDs allows remote operation. SCADA implementation is easy with smart Ring main units.
3. The space occupied by RMUs is less as they are Gas Insulated Switchgear.
4. The time taken for installation and commissioning of RMUs is very less. RMUs require less maintenance.
5. Beautification in the network

FPI - Benefits

1. Easy fault identification.
2. Easy to install, even on live network.
3. Detects both short circuit and low current earth faults.
4. Indicates both permanent and transient faults.
5. Highly visible red flashlight.
6. Reduction in supply restoration time by 1-2 hrs.
7. Reduction in unserved Energy
8. Enhancing customer satisfaction

8.3.6 11 KV Voltage Regulators for voltage improvement

TPNODL has 37296 CKT Km. of 11 kV line to serve electricity in five circles of northern region of Odisha Namely Balasore, Bhadrak, Baripada, Jajpur & Keonjhar. The average total length of 11kV lines is 55 Circuit Km. Even the longest 11 kV line has the total length of 325Km. The high distribution line losses cause severe voltage dip at the Fag-end of the line. The lowest fag end voltage seen on 11kV line ranging from 8kV to 10kV.

Drawbacks of existing system:

Length of 11kV distribution lines feeding to industrial areas are taken care by industries itself using capacitor banks (Voltage regulator) but actually these are very less. Rest

of maximum lines are feeding domestic and agriculture loads having huge number of complaints regarding poor quality of power supply & low reliability.

Some of significant consequences of poor voltage profiles faced by the end user – increased current for constant power loads, redistribution of the existing loads, technical problems (T&D Losses) in DTRs, improper behaviour of consumer loads, cumulative line losses and supply interruption which leads to higher AT&C losses.

Solution:

To overcome the stated challenges & improve upon the voltage profile and quality of power supply, advance power system equipment - Automatic voltage regulators (Power distribution voltage regulators) are required. Simply because, it is not feasible everywhere to shorten the long length of the existing feeder in between & to install a new transformer along with a new feeder specially looking into the huge operational areas & mostly rural. Here the voltage regulator can solve the purpose of booting up the voltage even at the far end where low voltage issues occur.

The voltage regulator takes an incoming voltage that varies with load conditions and maintains a constant output voltage. This helps improve power quality as voltage at the receiving end is maintained constant amidst varying demand, increasing longevity of all load equipment. These regulators can improve the utility's return on investment by reducing line losses and increasing equipment life.

A power distribution voltage regulator is an auto transformer that is able to add or subtract voltage to provide consistent system voltage levels. A voltage regulator control senses system voltage and commands the tap changer to operate when voltage changes are needed. The tap changer operation changes the configuration of the auto transformer coil resulting in a change in the voltage.

Construction

Voltage regulators are constructed from three basic parts:

- **Autotransformer:** A transformer with part of one winding common to both the primary and secondary windings.
- **Load tap changer:** The switch is designed to work under load to change the configuration of a transformer coil, providing greater regulator versatility.
- **Voltage regulator control:** The control senses the system and automatically commands the tap changer.

Figure 1: Voltage regulator installed in Bhadrak

Features

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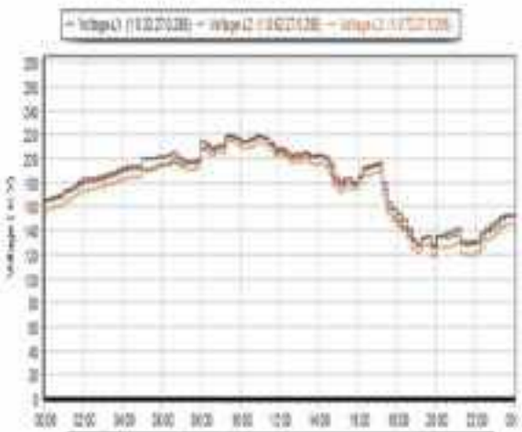
- Can operate up to 2 million mechanical operations (Tap Changer operations)
- 20 years' maintenance free operation
- Inbuilt superior internal arrester provides optimum surge protection against abnormal voltage surges
- Fast response time for voltage correction in fractions of seconds
- The typical voltage regulators available in the power range of 250 to 5000KVA per phase.
- 11kV voltage regulators maintains output voltage 11kV even in input voltage ranging from 8kV to 12kV.

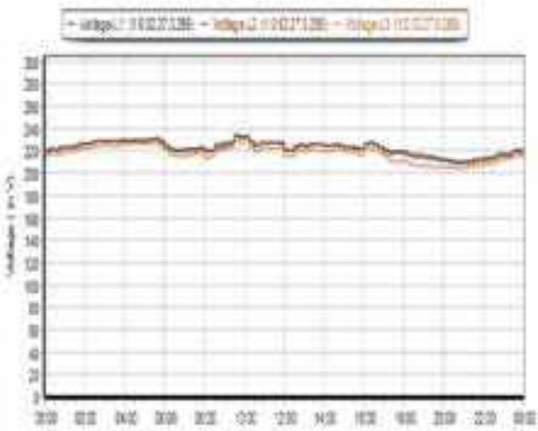
Figure 2: Pole mounted voltage regulator

Benefits

- Avoid the necessity of redistribution the loads on the phases, cable changes or construction of new substations.
- Reduction of the energy interruption rate due to inappropriate voltage level.
- Improvements of the utilities gains due to the continuous supply of energy.
- Proper behaviours of the loads for example: motors, irrigation systems, illumination and electronic loads.
- Better quality and reliability on the utility service.
- Improvement of the voltage levels results on better load power factor and reduction of the energy cost.



Voltage Profile of consumer Before Voltage regulator



Voltage Profile of consumer After Voltage regulator

In FY 23-24 TPNODL has proposed to install 29 Nos. of 11 KV voltage regulators at strategic location just to improve upon voltage profile & quality.

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Sr. no	Material	Quantity		UOM
1	11KV Voltage Regulator	29		Nos

8.3.7 Installation of station transformer:

Station Transformer supply the total 'station' load (due to outage of the other station transformer) as well as supply the starting load of a PSS. Supply its proportion of the station load. During the PSS survey it has been gathered that in 8 nos of substations station transformer has not been installed.

So, it is proposed to installed 8 station transformers in the PSS to provide the reliable power to the consumers

8.3.8 Spare equipment for ODSSP & IPDS PSS:

The Power distribution network & its equipment health is a critical factor for ensuring reliable & quality power supply to the end consumers.

Although field teams are committed to upkeep the equipment by doing preventive maintenance, but still some of the equipment gets faulty and may result into pre-mature failure due to following observation.

1. Date of Purchase of Material & Handover of PSS almost 4-5 years Gap.
2. Due to the gap moisture ingress in equipment because of improper storage facility by Project Vendor
3. Lack of expertise in commissioning & lack off supervision from WAPCO
4. Design Failure in many PSS (Civil/Electrical Point of view)
5. All the Ethernet switch/RTU model, relay is not supporting in SCADA automation

We have more than 90 no's of PSS under ODSSP & IPDS scheme & as per Contract with OPTCL and Vendor, they are giving 2 years' warranty only to all equipment (Except Switchgear Panel & Power Transformer Substation.

Hence, to ensure highest reliability, all equipment needs to operate properly at all the time we need sufficient amount of Spare Item One time.

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Sample Photograph of Kalipada PSS (2019) & MERDA PSS (2020)

8.3.9 Indoor Switchgear (AIS) for 33kV & 11kV

a) Background Switchgear Mechanism

Existing Switchgears were operating and working since 2 decades, observes many kinds of faults transmitted and switching happened at daily basis. Many of the switchgears safety interlock mechanisms got bypassed due to un-availability of spare mechanism. At operation point of view, control wires were damaged, hence the electrical operations not able to perform.

Further, the mechanism parts are weakened not operating and protecting the system during fault scenario. Always faults hits the higher side like OPTCL Grid. Even though maintaining the lower settings, the Electromechanical relays and degraded mechanism not achieve the proper protection of system.

On Safety, the switchgear flashover extract interlocks were bypassed. Overall the switchgear mechanism was in obsolete condition also spares not available at OEM.

b) Electrical Insulation & Clearance:

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As mentioned earlier, System has observed many faults and also occurred many flashovers inside the Breaker chamber as well as cable chamber. As we know once the flashover occurs, which is impact the electrical insulation of the breaker and Instrument transformers. Also the flashover creates the carbon spots around the chamber and over the body of equipment. While it is an Indoor system, it reduces the Insulation resistance of equipment. As mentioned above the existing switchgears insulation resistance are very low and always knock the door during low resistive atmospheric conditions. In the last 2 decades, record shows that the switchgears, many of flashovers occurred and system running with a low insulation resistance value which is not reliable, at any time the whole insulation can meet the obsolete condition means total blackout of PSS. To meet this statutory requirement, it is essential to replace old Switchgears.

C) Moisture Ingress

In indoor AIS system widely known for the drawback of Moisture related issues. However, it can be avoided by proper periodic maintenance. Since the system running 2 decades, huge amount of moisture accumulated inside the system, which includes rusting of bolt and nuts, degradation of epoxy surface tracking and enclosures depreciated. Results observing continuous humming noise from the running system also initiate the major flash over in the system and breakdowns.

1.1 Impact of not carrying out the Project

1. System may lead to major breakdowns.
2. Affect the reliability and consumer satisfaction.
3. Safety interlocks not available, human interfere hazarders can be happened.
4. Impact on smooth operation.
5. Parting of weakened mechanism always major blackouts due to upstream tripping.
6. Flashovers can be occurred during manual switching of system, may lead to severe accident.
7. Due to improper/lack of on time protection, high cost equipment may get damage at any time.

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Ref Photograph:




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8.3.10 Earthing of Power and distribution transformer

In an electrical installation, earthing system play important role for proper working of the power distribution system, and protection of human beings against electric shock.

The Main objectives of an earthing system are to provide an alternate path for the fault current to flow so that it will not endanger the user, maintain the voltage at any part of an electrical system at a known value and prevent excessive voltage on the equipment.

As per Central Electricity Authority Regulations (Measures relating to Safety and Electric Supply,2010) rule 41, there is provision of earthing, neutral wire in a 3-phase, 4-wire system and the additional third wire in a 2- phase, 3-wire system.

Hence 4589 nos of earthling are proposed in this DPR.

8.3.11 CAPEX requirement for Network Reliability:

S. No.	Major Category	Activity	Amount in Cr.	Annexure
3	Reliability	Replacement/Addition of network component in 33/11kV Primary Substation	10.18	Annexure-17
		11 KV Conductor up gradation	15.07	Annexure-18
		Refurbishment of 11KV/0.415 KV Distribution Substation (DSS)	3.11	Annexure-19
		Installation of LV protection at DSS	33.38	Annexure-20
		Installation of Auto reclosure /Sectionalizers, RMUs	7.52	Annexure-21
		Installation of FPIs for O/H Lines	1.86	Annexure-22
		Installation of AB Switch, HG Fuse & LA for DTRs	25.47	Annexure-23
		11 KV Voltage Regulators for voltage improvement	5.01	Annexure-24
		Installation of Station Transformers(PPS)	0.72	Annexure-25
		Procurement of spares and servicing for ODSSP & IPDS	1.45	Annexure-26
		Earthing of Transformer	14.29	Annexure-27
Total (3)			**118.06**	

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8.4 Load Growth:

Every year DISCOM have to release applied new connection. To meet this consumer growth, both network infrastructure needs to be extended, strengthened, or augmented and new energy meters to be installed to release the new connection. Some of the connections can be released from the existing network and some may require augmentation/addition/extension before release of new connection.

The following tables represent the data for consumer base in FY-19 to FY-22.

Consumer Base	FY -19	FY-20	FY -21	FY-22	Avg. Consumer Growth
	17,16,424	19,06,556	20,08,133	20,89,083	5%

Also, with the increase in consumer base there is load on DTR. Few DTR's get overloaded & get burnt. Below table shows the details of Burnt transformers in previous years and in current FY till Sep-22.

Particulars	FY 18-19	FY 19-20	FY 20-21	FY21-22	FY22-23(till Sept.22)
Failure of Power Transformers (PTR)	15	23	19	29	5
Failure of Distribution Transformers (DTR)	2347	2416	2312	2533	2067

Hence for carrying out network extension / augmentation / addition, we propose expenditure under this head to consider load growth, network extension / augmentation / addition is expected to be carried out to cater the new demand.

Benefit to customer: Better the availability of supply, faster will be process of providing new connection hence more will be the customer satisfaction.

Reduce over-burdening of existing Distribution transformers, lines etc. thereby reducing power cuts.

8.4.1 Augmentation of 33kV, 11Kv line, Power Transformers and DTs

Augmentation of 11kV line:

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During site survey it is observed that most of 33/11kV Primary Sub-Stations are having single incoming 33kV source. With failure of single existing 33kV source entire 33/11kV PSS gets shutdown thereby causing shutdown to all the downstream 11kV & LT network consumers.

It is also observed that HT consumers on 33kV and 11kV are being fed through tapping point instead of a dedicated feeder. There are multiple HT consumers source also mixed with incoming source of 33/11kV PSS. In case of technical fault at one of the HT consumers leads to tripping of incoming source and another connected HT consumer.

To overcome this issue, it is proposed to study to establish link line from alternative available source.

At present 11kV feeders are radial and do not have ring connectivity with another 11kV feeder as per N-1 philosophy. It is proposed to study ring connectivity between nearest 11kV feeder in the vicinity and adjacent PSS 11kV feeders like Hospitals, town, commercial and key government establishments.

Augmentation/ addition of Power Transformers

To cater the increasing load demand, PTR augmentation/ Addition is required to avoid any overloading and N-1 fail situations. Also, to ensure reliable power supply to our consumers, PTRs has to be kept at optimum loading so as to avoid any mechanical stress on the transformers due to overloading.

To avoid any overloading issues especially in urban areas where the load growth is high, it is required to augment some of the power transformers in city area which are over loaded /may get overloaded considering load growth for the next two years. It will give benefit to consumers as follows:

1. Reliable power supply by ensuring N-1 reliability at PTR level.
2. Reduce over-burdening of existing PTRs thereby reducing power cuts.

Augmentation/ Addition of Distribution transformer

To cater the increasing load demand, DT augmentation and new DT addition is required to avoid overloading of transformer leading to transformer failure and power interruptions. Also, to ensure reliable power supply to our consumers, Distribution Transformers need

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to be kept at optimum loading to avoid any mechanical stress on the transformers due to overloading.

When a distribution transformer loading exceeds 80% of the rated capacity of the transformer, then it is "overloaded".

To avoid these overloading issues especially in urban areas where the load growth is high, it is required to augment the capacity of the Distribution transformers/ addition of new distribution transformer to mitigate the overloading issue. It will provide benefit to consumers as follows:

1. Reliable power supply by reducing chances of fault in network, thereby reducing power interruptions
2. Reduce over-burdening of existing Distribution transformers thereby reducing power cuts.

In case of overloading of the Distribution Transformer, it not only hampers the power supply to the consumers but also may cause pre-mature failure of DT due to operating for long hours on overload condition. Thus, to abide by the safe loading limits, augmentation of distribution transformers are proposed for locations, where loading is exceeding the rated value.

In this proposal, TPNODL intends to carry out Distribution Transformer's augmentation for those DTs which are identified as overloaded at various locations. 304 nos. of Single-Phase Transformers are proposed for Augmentation from 10/16 kVA to 25 kVA Single Phase DTs, 160 nos of DTs Proposed for augmentation from 25/63 KVA to 100 KVA, 80 nos of DTs Proposed for augmentation from 100 KVA to 250 KVA & 16 nos of DTs Proposed for augmentation from 200/250 KVA to 400 KVA at different locations and 110 nos of 100 KVA DTs proposed for addition.

In this proposal, TPNODL intends to carry out PTR augmentation for those PTRs which are identified as overloaded at various locations. Total 2 nos PTR are proposed for Augmentation from 5 MVA to 8 MVA, 5 nos additional 5 MVA PTR are proposed where single PTR exiting on PSS.

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8.4.2 Addition of 33KV, 11KV and LT lines

In order to provide the reliable and Quality power supply to the consumers in TPNODL's Licensed area, we have conducted the survey of all 33KV feeders to identify the weaker section which require immediate attention. Based on the CYME dist. study reports, it is observed that in some of the feeders, conductor sizes are different resulting into compromising the circuit capacity which is limited to the lowest size of the conductor available in the ckt. Looking at the existing load demand and factoring the projected load growth, it is required to be rectified so as to avoid overloading of the network.

Further, a network study carried out for five circle areas considering the 5 Yrs. load growth and found that some interventions are required to be taken under Capex to provide alternate source to the existing feeders, load balancing on the feeders and reducing the length of the lengthy feeders. This will help in optimizing the feeder loading and will support in shifting the load to another structure or OPTCL grid in case of any source failure.

8.4.3 Addition of new 33/11 kV PSS with associated lines:

1. **Govindapur PSS –** Presently the consumers of Mining, Jaganathpur, kashipur, Bodadera, Govindpur, Bampar & Mandua area of Keonjhar municipality and Keonjhar sadar block are getting power supply from Gambharia 33/ 11kV Sub-Station. The expected load in near future of Gambharia PSS is 30.5 MVA against the current installed capacity of 25.5 MVA.

   Being the part of town and high population the load of these area is growing very fast and in order to provide the quality power with low interruption, the Utility has to be equipped with one more 33/11kV S/s at Govindpur.

   After construction of 2x8 MVA 33/11kV GIS Substation at Govindpur future load of Mining, Jaganathpur, kashipur, Bodadera, Govindpur, Bampar & Mandua area of Keonjhar municipality and Keonjhar sadar block can be met with good voltage & uninterrupted Power Supply.

2. **Badbil PSS –** There are approximately 15000 Nos of consumers are depended on Sundra 33/11KV PSS. Due to long 11KV fine Network and huge no of distribution

substation regular power outage required for maintenace and rectification work. During any maintenance work all the consumers, Hospital, Public water supply, Industry, Commercial activity, banking system are affected & face power supply outage. Nalda 11KV feeder coveres both Municipality & rural area which faces high power interruption due to maintenance work.

Due to excessive load on power transformer & 11KV line Network tail end consumer also faces low voltage issues. Barbil is first growing urban region of keonjhar district as mining Centre of Keonjhar district, all mining of esential colony, commercial activities are connected with common 11kV line network system.

To improve the relability of the power supply and mitigate the low voltage issues an additional of 33/11KV PSS proposed at Barbil Municipality.

This overall expenditure will help in strengthening the 33KV network to some extent since the requirement is huge but considering the resource availability, it will be done in phase manner.

8.4.4 CAPEX Summary for Network Load Growth

S. No.	Major Category	Activity	Amount in Cr.	Annexure
4	Network Optimisation & Load Growth	Augmentation of Power Transformer	2.60	Annexure-28
		Augmentation of Distribution Transformer	24.57	Annexure-29
		Addition of 11 kV Lines (O/H and U/G)	24.12	Annexure-30
		Addition of 33 kV Overhead Lines(O/H and U/G)	9.80	Annexure-31
		Addition of New PTR at PSS	5.08	Annexure-32
		Addition New DTRs along with Associated HT/LT lines	17.37	Annexure-33
		New 33/11kV PSS with Associated Lines	18.60	Annexure-34
Total (4)			**102.14**	

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8.5 Technology & Civil Infrastructure:

Proposed Technology Transformation Background IT & OT commenced its journey in FY 22, the very first year of TPNODL, by initiating large scale computerization & digitalization efforts in the Company. For year 2021-2022, IT & OT was given Rs 67.75 Cr and for the year 2022-2023 IT & OT was given Rs 67.8 Cr towards CAPEX by honourable Commission towards nine themes and seven themes respectively. However, in two categories Main SCADA and GIS, 50% of the amount was approved but to implement the complete system, it is required to have complete budget. The case is represented again to Hon'ble Commission and full budget has been approved in principle. So, shortfall of the budget is considered now in FY 23-24. The journey of IT & OT adoption, introduction and stabilizing different technologies has begun and many digital initiatives have been considered and many more are planned. The journey will continue to ensure large scale adoption across TPNODL, scale up the pilots which began in FY 2022 and train more and more employee to the new initiatives and introduce path breaking applications built to take advantage of the new interventions so as to maximize the operational gains and efficiencies which would ultimately help reduce the AT&C levels and enhance Consumer Experience.

Pillars for FY 24 – The proposed CAPEX plans for FY 24 revolve around the same themes which were introduced last year with addition to establishment of Data Recovery Centre. The idea is to scale up, strengthen the existing by covering more consumer services, additional divisions and build redundancies in the schemes which have commenced operations in last two financial years. The IT & OT CAPEX for FY 24 will have Shortfall/deducted Budget of FY 21-22 and FY 22-23 along with new capex heads.

I. IT Infra for Data Centre
II. Establishment cost of Data Recovery Centre
III. Software Licenses, Applications and Cyber Security practices
IV. End Computing Devices and IT Communication Network & System
V. Operation Technology Implementation of ADMS

GIS mapping of Land Base, Network and consumer indexing for Balance Three Circle

The detail proposals are as follows:

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8.5.1 IT Infra for Data Centre

Different applications create lot of data and it is very much required to have one data lake which will contain multiple applications, analytics and MIS and integration with other system. To cater the increasing expectation of consumer to get better services within minimum time we need to have better analytics tool and data repository source. For hosting various applications and consumer data base-oriented MIS we need to implement HANNA box with back up appliances.

Proposal for Hanna box & back up appliance are as follows:

S. No.	Description	Qty	UOM
1	HANNA Box & back up appliance	1	EA

The sum total proposal for all mentioned above one theme is described as below:

IT Infrastructure for Data Centre	Amount in Rs Cr
HANNA Box & back Up appliance	3.5

Benefits

I. Establishment of HANNA Box will enhance the performance of data analysis
II. It will increase the performance of the employee with better output
III. Extracting multiple MIS and fetching consumer data in different query mode and tabular format will eventually increase the performance of the system

8.5.2 Establishment cost of Data Recovery Centre

As mentioned, TPNODL is implementing various technologies and hosting the solution On-premise Data centre at OPTCL data centre, Bhubaneshwar. All the business processes and customer facing applications are running under one data centre. To meet the eventuality, it is very much required to have back up provision which at present is not there. So, it is proposed to put up for having IT infra for DR so that in in case any failure in DC or part of DC or any application at DC then business continuity of system can be run from the DR.

In today's period, it is must to have DR site for IT & OT applications. Data Recovery Centre of TPNODL is planned to be established at Sambalpur district which is in different seismic zone of Bhubaneshwar. It will be the entire replica of TPNODL Bhubaneswar Data Centre. It will have the entire server set-up and backup of all the applications and data base with proper cyber security and data storage.

S. No.	Description	Qty	UOM
1	SAN Switch for storage	2	EA
2	SAN Storage 100 TB	1	EA

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S. No.	Description	Qty	UOM
3	Servers for complete landsacape of DC for Replication of DC-DR	12	EA
4	Core Spine Switch	2	EA
5	Core Leaf Switch	4	EA
6	Back up data domain along with software	1	EA
7	Tape Library	1	EA
8	SAP S4 Hana Appliance	1	EA
9	Gateway Firewall	2	EA
10	Web Application Firewall	0	EA
11	DDOS	0	EA
12	Windows OS (Data Center Edition)	130	EA
13	Linux	10	EA
14	Virtualization (Per Processer/CPU)	15	EA
15	Antivirus (Server Edition)	60	EA

The sum total proposal for all mentioned above is described as below:

Data Recovery Centre	Amount in Rs Cr.
Data Recovery Centre for TPNODL for business continuity	16.82

Benefits

I. Establishment of Data Recovery Centre gives redundancy to entire Dataset, Applications and Technology of TPNODL in case of natural calamity or another hazardous situation.
II. Establishment of Data Recovery Centre gives will result an integrated approach to ensure redundant access without hampering and day to day activity of TPNODL.

Centralized Data Recovery Centre for pan TPNODL with complete replica of the existing Data Centre

8.5.3 Software Licenses, Applications and Cyber Security practices

8.5.3.1 Software License and Application:

To enhance the network planning and digital enablement for employees and consumers for providing better services, various applications for each function like operation, HR, Projects, and NEG etc. where users can work through various applications for providing faster and better services to our consumers. To make this enable and hosting various developed applications, it is required to invest on various software licenses like CYME licenses and remote desktop application for monitoring and controlling of users and management.
Proposal for Software licenses and applications deployment is mentioned below

S. No.	Description	Qty	UOM
1	Cyme Licenses for Network planning (Enterprise Version)	2	EA
2	Software (Remote Desktop for laptop & desktop trouble shooting)	1	EA

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8.5.3.2 Cyber security practices:

For enhancing cyber security measures and for compliance to cyber security guidelines published by Ministry of Power, Government of India, necessary infrastructure is proposed to be invested for protection of various deployed applications and connecting users through secured communication link from their offices to data centre.

There is also a requirement to have a dedicated separate network for OT (SCADA/ADMS) but integration of OT network with IT network is required for various information flow to our front team to get the details and intimating to our consumers, this can be protected through firewall level between IT & OT network.

Proposal for Cyber security software is mentioned below

S. No.	Description	Qty	UOM
1	Enterprise SEIM (Security event and incident management) SOAR (Security orchestration automation and response)	1	EA
2	Web Application Firewall for controlling and monitoring of External Traffic	2	EA
3	Firewall for Integration of IT & OT Environment	2	EA

The sum total proposal for all mentioned above two themes are described as below:

Software Licenses and Applications	Amount in Rs Cr
Software Licenses and Applications	0.75
Cyber Security Measures	7.70

Benefits

I. Compliance of cyber security guidelines published by MoP will ensure safety of IT/OT applications and data.
II. CYME application shall be used for NEG team for better and faster load flow analysis of network and along with study and planning of future growth leading to accuracy and transparency.
III. Penetration of digital services to provide the information faster to our end user and bringing agility in employees for faster work and deliver up to data services to the consumers.

Office will be connected through secured OFC.

8.5.4 End computing devices secure IT Communication Network and System

8.5.4.1 End Computing Devices

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In last two Financial Year, TPNODL procured around 1500 laptops, 300 Desktops for its offices under executive cadre and important persons under non-executive cadre. With more and more penetration of new digital services and new joining in the organization, it is required to have the system for new joining as well as existing staff who have not got the system so far but they will be trained and work on applications through system.

In addition to the system, there are various other software which are required on end devices like MS Office, Antivirus, Active Directory, Password reset portal etc. It also includes additional budget for E-Governance Software for e-digital process enablement at TPNODL offices.
Proposal for end computing devices is mentioned below

S. No.	Description	Qty	UOM
1	Laptops with OS for new joinee of TPNODL	100	EA

8.5.4.2 IT Communication

In FY 23 we have laid approximately 25 km underground OFC connecting 65 locational offices and along with that we have Installed DC router and rack in 105 PSS for smooth SCADA communication. In the current Financial year, we have planned to lay approximately 50 Km underground OFC connecting all major offices and we have also target to automate remaining PSS for smooth controlling of the station resulting better services to the consumers.

In addition to the system, there are various other communication hardware required locational offices such as Section office for redundant and secure internet connectivity.

Proposal for IT communication is mentioned below

S. No.	Description	Qty	UOM
1	DC Router & Rack for PSS Automation	100	EA
2	Underground OFC network for interconnection of Offices	1	EA
3	Locational LAN Work	1	EA

summary of prices of end computing devices is mentioned below:

End Computing Devices	Amount in Rs Cr
End Computing devices along with MS licenses, Antivirus, AD license etc.	0.75
IT Communication consisting of OFC work, L2 Switch, DC Router and etc.	4

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Benefits

I. Enhancing the reach of computerization across the organization
II. Build a culture of following online processes and less of paper movement
III. Availability of end user computing devices up to last level like section for proper use of various IT applications towards more effective and transparent execution of business processes.
IV. Enable seamless real time communication across TPNODL
V. End user computing devices will enable use of IT applications up to section level. Operating System Licenses shall be needed for the functioning of the end user devices.
VI. Enable secure and redundant communication system
VII. Enable communication system for between SCADA and PSS for remote controlling of PSS
VIII. Seamless connectivity of locational offices such as Section Offices.

8.5.5 Operation Technology Implementation of ADMS and Computer Devices

OpCenEx has been set up with the best of operation technology-SCADA to monitor and control the 33KV/11KV network operations.

We are at the verge of implementation of Main SCADA-ADMS. Supervisory Control and Data Acquisition (SCADA) & Advanced Distribution Management System (ADMS) for monitoring the 33 / 11 kV Primary Sub Station (PSS) and its electrical network topology on real time basis to ensure the network reliability and power availability through proactive remedial actions and necessary analysis for making the system robust and reliable to serve electric power to their consumers. Further, down the line, ADMS will be monitoring up to consumer's outages through its integration with GIS and CRM. Will initiate the remedial action to restore the supply and trigger to network planner to strengthen the areas to improve reliability and quality of power.

In addition to this we require IT Infra such as application, adapter and proxy server to support smooth functioning of SCDA at both the location of Main Data Centre and Backup Data Centre

Proposal for ADMS & end computing devices is mentioned below

S. No.	Item	Qty
1	IT Infra for ADMS (Application, GIS Adapter & Proxy Servers) for Main Data Centre	3
2	IT Infra for ADMS (Application, GIS Adapter & Proxy Servers) for Back Up Data Centre	3
3	Supportive IT Infra (Switches and Router)	Lumsum
4	ADMS Application	Lum Sum
5	Laptops with OS for new joinee of TPNODL	240
6	Laptops with OS for executive of newly opening of Anubhav Kendra in rural area of each section	160

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S. No.	Item	Qty
7	Microsoft office for New Laptops for Point No. 1 &2	500
8	Anti Virus for new Laptop for Point no. 1 &2	500
9	AD CAL License for new Laptop for Point no. 1 &2	500
10	E-Governance Software for e-digital process enablement at TPNODL offices (Additional budget requirement)	1
11	Password Reset Portal for User ID	1

The summary of prices of end computing devices is mentioned below

Operation Technology Implementation of SCADA-ADMS	Amount in Rs Cr
SCADA-ADMS , computing device	10.10

Benefits

I. Adoption of very strong integrated automated application for pan TPNODL area
II. Ensure secured and much better services to customers.
III. Integrated and secure processes with strong access control of PSS
IV. Monitoring of PSS network assets.
V. Ensure customer delight and effective solutions for addressing needs
VI. Enhanced user experience with extensive standard features & functionalities
VII. Standardized process workflow across organization
VIII. Centralized data base for synchronized data.

8.5.6 GIS mapping of Land Base, Network and consumer indexing for Balance Three Circle.

TPNODL has implemented GIS system to have better asset management and is on the verge of integration with other technologies. GIS system will strengthen various other business processes viz. energy audit process, technical feasibility, dues verification, network planning. GIS will become the backbone for Electrical linear and nonlinear asset repository as well as its connectivity topology. Being a large geography, GIS will be implemented in parts.

For the FY 21-22 budget of 3 cr. was approved against request of 7.91 cr. and in FY 22-23 budget of 17.97 cr. was approved against request of 35.87 cr. by OERC however, we have submitted prayers for enhancement of budget and put the additional requirement in FY 22-23 budget.

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From the budget of FY 21-22 currently we have implemented GIS software and application for pan TPNODL and is in the verge of completion of survey of pilot division of BED for which we have given order of the successful bidder of Rs 9.75 cr.

From the curtailed budget of FY 22-23 currently we have initiated data survey of 6 divisions (CED, SED & JED of Balasore Circle and JTED, JRED & KUED of Jajpur Circle) for which we have given order to successful bidder amounting Rs 17.16 cr. Due to curtailed budget we have postponed remaining one division i.e. BTED for next financial year.

In FY 23-24, it is proposed to implement the GIS for remaining three Circles namely Baripada, Bhadrak & Keonjhar it will include project management, field survey, digitization and migration of field data in GIS system

GIS implementation for Baripada, Bhadrak & Keonjhar Circle

S. No.	Description	Qty	UOM
1	Project Management, Site Visit & logistics	1	EA
2	Land base Survey and mapping of Bhadrak Circle	2457	Sq. Km
3	GSS & PSS Survey and mapping of Bhadrak Circle	40	No
4	33 KV Line Survey and mapping with assets Bhadrak Circle	394	Km
5	11Kv Line Survey and mapping with assets Bhadrak Circle	4651	Km
6	LT Network Survey and mapping with assets Bhadrak Circle	7541	Km
7	Asset Numbering and Pole Painting Bhadrak Circle	242722	No
8	Consumer indexing Bhadrak Circle	310000	No
9	Migration / Updation Bhadrak Circle	2456.92	Sq. Km
10	Land base Survey and mapping of Baripada Circle	5000	Sq Km
11	GSS & PSS Survey and mapping of Baripada Circle	65	No
12	33 KV Line Survey and mapping with assets Baripada Circle	775	Km
13	11Kv Line Survey and mapping with assets Baripada Circle	7864	Km
14	LT Network Survey and mapping with assets Baripada Circle	19515	Km
15	Asset Numbering and Pole Painting Baripada Circle	665060	No
16	Consumer indexing Baripada Circle	560000	No
17	Migration / Updation Baripada Circle	5000	Sq. Km

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S. No.	Description	Qty	UOM
18	Land base Survey and mapping of Keonjhar Circle	5200	Sq Km
19	GSS & PSS Survey and mapping of Keonjhar Circle	63	No
20	33 KV Line Survey and mapping with assets Keonjhar Circle	568	Km
21	11Kv Line Survey and mapping with assets Keonjhar Circle	5910	Km
22	LT Network Survey and mapping with assets Keonjhar Circle	9139	Km
23	Asset Numbering and Pole Painting Keonjhar Circle	294348	No
24	Consumer indexing Keonjhar Circle	365000	No
25	Migration / Updation Keonjhar Circle	5209	Sq Km

The proposal for scheme is as follows

GIS Software Implementation and Land Base & Network Survey & Digitization for Balasore & Jajpur Circle	Amount in Rs Cr
GIS implementation of three Circle Bhadrak, Baripada & Keonjhar along with land base, network & consumer survey	27.86

Benefits

I. Integrated database of pan TPNODL
II. Integrated processes with strong access control
III. Ensure customer delight and effective solutions for addressing needs
IV. Increased Billing and collection efficiency
V. Enhanced user experience with extensive standard features & functionalities
VI. Standardized process workflow across organization
VII. Centralized data base for synchronized data.
VIII. Enhanced integration and automation capabilities with Non-SAP applications

Using SAP standard capabilities combined with customer presentment platforms for a delightful customer experience

8.5.7 Security cameras, heavy-duty Racking System/ Storage solution at Jajpur Store

In the past few years, surveillance technology has seen an incredible level of evolution that not only makes it far more advanced but also affordable and available to everyone. Security cameras is one of the example of the same.

In our store material of worth crores are available for mitigation of the maintenance and capex activity and the may be always a possibility of the theft /pilferage of the material. so, for better monitoring and recording the activities during 24 hrs. security cameras are required at store of the TPNODL.

There many important items of the different categories are available in the store. As the space in the stores is limited so to accommodate the more material in the limited space with easily accessible manner heavy-duty storage racking is proposed.

HD racking system Benefits

1. Organised Raw materials, inventory and equipment
2. Faster access to inventory
3. Reduced downtime
4. Optimised cube space
5. Minimum damage of the materials
6. Improve Warehouse safety
7. Improved visibility of all the stored materials
8. Adjustable as per the requirement
9. space-efficient and budget-friendly

8.5.8 Civil Infrastructure

TPNODL currently have offices in all the five circles and subdivisions. Some of them are owned and about 40% offices are on rented property. TPNODL is facing challenge while accommodating additional new employees in current office buildings and infrastructure. The current existing infrastructure are old and needs modernization to provide hygienic, well ventilated and spacious work environment. These office locations are touch base points between end consumers and utility. Hence, aesthetic along with safety of each stakeholders needs to be focused. To ensure above it is proposed to carry out civil infrastructure of designated offices in phase manner.

1. Up gradation of Road and Offices:

It is observed that various Primary Sub Stations, access road needs repair and strengthening along with drainage system. In addition, it is required to complete structural rehabilitation and refurbishment of existing Offices/ Control Rooms. The area grading/ levelling, repairs to existing cable trenches and trench covers needs to be done for maintaining safety during operation. During rainy season road condition further, worsen.

Following activities are planned to improve the civil infrastructure:

1. Repair/ New wash room construction for substation.
2. Additional Material Storage area

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3. New Store building /storage yard
4. New Building for Division/ Subdivision Section/Commercial Office
5. Refurbishment of old building for office at various location
6. Approach road of Offices and PSS

2. Renovation of various office buildings

All field offices building up to the section level which are in dilapidated conditions will be completely renovated to increase their usable life. Further the existing furniture which are in poor condition will be replaced by modern workstations, cabins, etc.

3. Remodelling & Creation of Additional Workspaces in various office buildings.

The office buildings up to Division offices need to be remodelled to create additional space for accommodating the new recruits, provisions for conference rooms, canteens, visitors lounge, etc.

4. Record rooms

Record rooms of Structural Steel and covered with Percolated Sheets will be set at each circle with "State of the Art" provision of storage, protection, fire proofing, mass scanning, bar coding of all records & files for easy access to employees.

5. Cafeteria Canteen

Canteen facilities are the necessity of satisfying employees with a better range of foods and healthy options. Workplace canteens need to provide with options to cater for lunch with meals or light breakfast items and fruit or snacks for mid-afternoon along with tea/ cold drinks/ coffee in order to promote healthy eating & refreshments for employees and stakeholders so as to ensure maximum focus of employees on their work without worrying about their meals.

8.5.9 Administration

In TPNODL, the office space is currently crowded and haphazardly planned for seating arrangements, moreover, most of the circulation area has been occupied with files, documents etc. Some of offices are owned and others are on rented property.

The challenges exist in TPNODL using current buildings and infrastructure is to accommodate more employees and providing a hygienic, well ventilated, and spacious working environment to them.

To provide best in class services to consumers, earn consumer delight, and improve satisfaction among other stakeholders and maintaining a clean & safe working environment, following infrastructures are required at above stated workplace.

❖ **Office air conditioning systems** are required to provide a comfortable working

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environment to bring and control Energy Efficiency, Humidity, Air Quality, and Reduction in Noise & Keeping Business Critical Equipment at the Right Temperature.

- **Water cooler & Purifiers** are required for proper hydration employees and to ensure good health and improve overall efficiency. An employee should drink at least eight glasses of water a day to be properly hydrated as Water increases the amount of blood flow and oxygen to the brain and other body parts which in turn increases brain activity and attentiveness
- **Tables and Ergonomic office chairs** for sitting long periods with ease. This naturally helps employees work more efficiently and productively. Another benefit is reduction in healthcare expenses related to poor posture from unsuitable office chairs.
- **Photocopier machines** to offer a fast and easy way of getting single or multiple copies of documents & Improves Functionality of businesses.
- **Projector and Display screen:** Required in different office to project the data to the team for better understanding during the meetings

8.5.10 Automation of Non-ODSSP & SCADA Integration

OpCenEx has been set up with the best of operation technology-SCADA to monitor and control the 33KV/11KV network operations. Hon'ble Commission has approved Rs.2.55Cr for implementation of Mini SCADA in FY 21-22.

However, we have also initiated to implement Main SCADA/ADMS. Supervisory Control and Data Acquisition (SCADA) & Advanced Distribution Management System (ADMS) are the software system through which TPNODL intends to monitor the 33 / 11 kV Primary Sub Station (PSS) and its electrical network topology on real time basis to ensure the network reliability and power availability through proactive remedial actions and necessary analysis for making the system robust and reliable to serve electric power to their consumers. Further, down the line, ADMS will be monitoring up to consumer's outages through its integration with GIS and CRM

Will initiate the remedial action to restore the supply and trigger to network planner to strengthen the areas to improve reliability and quality of power.
We initiated for procurement of SCADA/ADMS as we have already put up petition to Hon'ble commission for investment and it has been agreed by Hon'ble commission to initiate the procurement and put the proposal in FY 23. Hence, proposal is put up for investment.

Currently, there are 226 numbers of 33/11 kV substations in TPNODL areas out of which 30 PSS is considered to be automated in FY of 21-22. In FY 22-23, total 75 PSS (Non ODSSP PSS - 55 ODSSP + 20 Old) is considered to be covered under automation.

Detailed Project Report Capex Plan FY 23-24

Similarly, in subsequent year, we will put for automation of left out PSS to cover up 100% PSS.

Automation of non ODSSP PSS (Non ODSSP PSS - 55 ODSSP + 20 Old)

S No.	Item Description	Unit	Quantity
A	**Procurement of new Panel**		
1	33KV Control Relay Panel for Transformer	EA	50
2	33KV Control Relay Panel For IC/OG	EA	30
3	CR PANEL FOR 11KV VCB	EA	50
B	**Revamping of old control panel**	EA	50
C	**Scada compatibility to ODSSP**	LS	1
4	RTU 24-48 V WITH PANEL (Urban)	EA	35
5	RTU 24-48 V WITH PANEL (Rural)	EA	30
6	FRTU and allied Service for Distribution RMU automation	EA	40
7	Low cost Communication (RMU+Rural)	EA	50
8	Transducer+ Misc Items	EA	50
9	RELAY TRANSFORMER DIFFERENTIAL NUMERICAL	EA	50
10	feeder protection relay	EA	160
11	RELAY MASTER TRIP 24V DC	EA	260
12	Ethernet Switch (12/24 Port)	EA	99
13	Integration support for ODSSP PSS	EA	10
14	MFM	EA	99
15	ITC cost of Relays, RTUs, CRP	LS	1

The proposal for themes is as follows

Activity	Amount in Rs Cr
Automation of Non-ODSSP & SCADA Interigation	12.0

Benefits

1. Adoption of very strong integrated automated application for pan TPNODL area
2. Ensure secured and much better services to customers.
3. Integrated and secure processes with strong access control of PSS
4. Monitoring of PSS network assets.
5. Ensure customer delight and effective solutions for addressing needs
6. Enhanced user experience with extensive standard features & functionalities

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7. Standardized process workflow across organization
8. Centralized data base for synchronized data.

8.5.11 Bluetooth Printer, Cash Drop Box, RRG App

S No.	Item Description	Unit	Quantity
1	Bluetooth Printer for collection	EA	600
2	Cash Safe box	EA	50
3	RRG app	EA	1

8.5.12 CAPEX Summary for Technology and Civil Infrastructure

S. No.	Major Category	Activity	Amount in Cr.	Annexure
5	Technology and Civil Infrastructure	Security cameras, heavy-duty Racking system / Storage solutions for Jajpur store	1.5	Annexure-35
		Civil Infrastructure (Office Buildings, PSS, Stores, Approach Roads, Record room, Cafeteria Canteen, MRT office, STS office, STS Lab and others)	29.68	Annexure-36
		Office Administration	5.75	Annexure-37
		Automation of Non-ODSSP & SCADA Interigation	12	Annexure-38
		Bluetooth printer, cash drop box, RRG App	0.88	Annexure-39
		Data Recovery (DR) for Hardware Equipment	16.82	Annexure-40
		Data Center (DC) for Hardware Equipment	3.5	Annexure-41
		End computing devices	0.75	Annexure-42
		Cyber Security	7.7	Annexure-43
		Communication	4.01	Annexure-44
		SCADA-ADMS & Computer Devices	10.10	Annexure-45
		GIS Software Implementation and Land Base & Network Survey & Digitization for 9 Division	27.86	Annexure-46
		Software and Application	0.75	Annexure-47
		Drones and its licence	0.3	Annexure-48
Total (5)			**121.60**	

v

8.6 Reducing Carbon Footprint:

Background A carbon footprint is the measure of carbon dioxide (CO2) and other greenhouse gas (GHG) emissions caused by an individual, organization, product, service, or activity. The size of your carbon footprint depends on a variety of factors, including, but not limited to, modes of transportation, frequency of travel, home or operational energy consumption etc.

There are many ways to reduce the carbon footprints. Minimize the burning of the fuels in vehicles is one of them. As a power distribution company there are lots of travel of our field staff though 2 wheelers and 4 wheelers to serve the consumers. To reduce the carbon foot print without effecting the services to the consumers it is proposed to provide the battery operated 2 wheelers and 4 wheelers to our field staff. in the first year we are proposing 159 electric scooters (one for each section) and 16 nos of electric Cars to perform official duty.

Other way to reduce the carbon footprint is the use of renewable energy. In line we are proposing to installed the roof top solar power plants for our office requirements at our selected offices. Initially We have selected the 7 building (corporate office, 5 circle office and Balasore store).

This will be small contribution to reduce the carbon foot print and also motivate the peoples of Odisha to use the electric vehicle and solar energy.

8.6.1 CAPEX Summary for Reducing Carbon Footprint

S. No.	Major Category	Activity	Amount	Annexure
6	Reducing Carbon Footprint	Budget for Electric Scooter/Car	3.99	Annexure-49
		Rooftop Solar System on office building (Solar Roof top system (Corp office, circle offices, Balasore Store)	0.99	Annexure-50
Total (6)			**4.98**	

v

11.0.9. TPNODL VESTING ORDER:

ODISHA ELECTRICITY REGULATORY COMMISSION
BIDYUT NIYAMAK BHAWAN PLOT NO. 4, CHUNUKOLI, SHAILASHREE VIHAR, BHUBANESWAR-751021

****

Present: Shri U. N. Behera, Chairperson
Shri S. K. Parhi, Member
Shri G. Mohapatra, Member

Case No. 9/2021

IN THE MATTER OF: **Suo Motu Proceeding on sale of utility of NESCO under Section 20 of the Electricity Act 2003 and for vesting of Utility (NESCO) to the intending purchaser under Section 21 of the said Act.**

And

IN THE MATTER OF:

Director (Regulatory Affairs), OERC
..... Designated Petitioner

Vrs.

Principal Secretary to Government,
Department of Energy, Government of Odisha,
Bhubaneswar -1 and Others ..... Respondents

NESCO Power Engineer's Association
..... Intervenor

ORDER

Date of order: 25.03.2021

1. North Eastern Electricity Supply Company of Odisha Limited (the **"NESCO"**) was incorporated on 19th November 1997 under the Companies Act, 1956. Pursuant to the Odisha Electricity Reforms Act 1995 and Odisha Electricity Reforms Rules 1998, all the assets of GRIDCO pertaining to the distribution business in the Northern Zone of GRIDCO comprising districts of Balasore, Mayurbhanj, Keonjhar, Jajpur, and Bhadrak were transferred to NESCO.

2. On 1st April 1999, 51% (fifty one percent) shares of GRIDCO in NESCO were transferred to BSES Limited selected through competitive bidding process. NESCO continued to be managed by BSES Limited and later by its successor R-Infra

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Limited.

3. Under Section 19 of the Electricity Act, 2003 (the **"Act"**), the Commission revoked license of NESCO with effect from Mar 2015 and appointed CMD, GRIDCO as the administrator under Section 20(d) of Act and vested the management and control of NESCO Utility along with their assets, interests and rights with the CMD, GRIDCO Limited. The order on revocation of licenses by the Commission was upheld by the Hon'ble APTEL in Appeal No. 64 of 2015 and has also been confirmed by the Hon'ble Apex Court vide their Order dated 24.11.2017 in Civil Appeal No.18500 of 2017.

4. Thereafter, in terms of Section 20 of Act the Commission initiated a transparent and competitive bidding process for selection of an investor for sale of utility of NESCO and had issued the updated Request for Proposal (the **"RFP"**) on 31.07.2020.

5. In response to the said RFP, single bid was received by the bid due date. After detailed evaluation by independent bid evaluation committee set up by the Commission, The Tata Power Company Limited (the **"TPCL"**) was recommended as the successful bidder and Commission accepted the same under Section 20(1)(a) of the Act.

6. Thereafter, the Commission issued a Letter of Intent (the **"LoI"**) to TPCL vide Letter No. OERC/RA/SALE of NESCO-26/2019(II)/160 dated 29.01.2021. TPCL communicated the acceptance of the LoI vide Letter No. T&D/BD/DOM/FY21/OERC/ NESCO/PPP/100 dated 05.02.021.

7. That as per the terms of the RFP, upon completion of sale, NESCO Utility shall vest in a special purpose vehicle (the **"Project SPV"** or **"Operating Company"**) in which TPCL shall hold 51% (fifty one percent) equity shares and Government of Odisha ("GoO") shall hold 49% (forty nine percent) equity shares through GRIDCO.

8. The Commission vide letter No. OERC/RA/SALE OF NESCO-26 /2019 (Vol.II)/162 dated 29.01.2021 then directed GRIDCO to incorporate the SPV to which the utility of NESCO shall be vested and license of NESCO Utility shall be transferred. TP Northern Odisha Distribution Limited (the **"TPNODL"**) will be incorporated as a wholly owned subsidiary of GRIDCO with an authorized share capital of Rs. 1000 crores (Indian Rupee One thousand crores) only and paid-up capital of Rs. 5 lakhs (Indian Rupee Five lakhs) only. TPNODL shall be the SPV in

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which TPCL and GRIDCO shall hold 51% (fifty one percent) and 49% (forty nine percent) equity shares respectively after the completion of sale.

9. The Commission vide letter no. OERC/RA/SALE OF NESCO-26 /2019 (VoLII)/162 dated 29.01.2021 provided GRIDCO/ OPTCL the RFP Documents namely – Share Acquisition Agreement, Shareholders Agreement, Bulk Supply Agreement and Bulk Power Transmission and SLDC Agreement for execution by concerned parties.

10. TPCL quoted a purchase price of Rs. 375 crores (Indian Rupee Three hundred seventy five crores) in its financial Bid in response to the RFP for 100% (one hundred percent) equity in the SPV. TPCL is required to pay 51% (fifty one percent) of the purchase price of Rs. 375 crores (Indian Rupee Three hundred seventy five crores) quoted in its Bid. As per terms of RFP, this amount is required to be deposited by TPCL with the Commission.

11. The Commission vide letter No. OERC/RA/SALE of NESCO-26/2019(II)/160 dated 29.01.2021 (LoI) had directed TPCL to submit the Performance Guarantee and deposit the amount equivalent to 51% (fifty one percent) of the purchase price with the Commission.

12. TPCL vide letter No. T&D/BD/DOM/FY21/OERC/NESCO/PPP/113 dated 10.03.2021 communicated that they have deposited Rs.191.25 (Indian Rupee One ninety one crore and twenty five lakhs only) with the Commission which is 51% of the bid amount of Rs. 375 crore and submitted the Performance Guarantee of Rs. 150 crores (Indian Rupee One hundred fifty crores) as per the directions of the Commission.

13. The Commission vide letter No. OERC/RA/SALE of NESCO-26/2019(II)/161 dated 29.01.2021 directed TPCL that it is required to comply with the requirements of the Competition Act, 2002 and furnish a certificate on such compliances to OERC. TPCL vide its letter No. No. T&D/BD/DOM/FY21/OERC/NESCO/PPP/106 dated 09.02.2021 informed the OERC that they have filed the notice with the Competition Commission of India (CCI) seeking its approval for the proposed transaction, which was acknowledged by the CCI on 08.02.2021. M/s TPCL vide its letter No. T&D/BD/DOM/FY21/OERC/NESCO/PPP/113 dated 19.03.2021 communicated to the OERC that CCI vide its e-mail dated 19.03.2021 to the TPCL intimated that it considered the proposed combination and approved the same under sub-section (1)

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of Section 31 of the Act. This approval is with reference to the notice filed by the Tata Power Company Ltd. (TPCL/Acquirer) on 08.02.2021 under sub-section (2) of Section 6 of the Competition Act, 2002.

14. As per the proviso to Section 21(a) of the Act, the debt, mortgage or similar obligation shall attach to the purchase price in substitution for the utility of NESCO.

15. The transaction related costs shall be deducted by the Commission from the purchase price deposited with the Commission by TPCL. The transaction related costs shall include the fees paid to transaction advisor and legal advisor engaged by the Commission for advising in sale of utility of NESCO, the cost of incorporation of TPNODL, the fees of auditors for audit of the annual accounts for the period from 01.04.2020 to 31.03.2021 of NESCO Utility as provided in the para 51 of this Order and the cost of incorporation of a residual company in which the liabilities of NESCO Utility shall remain, if decided by the Commission and any other cost as determined by the Commission (the **"Transaction Process Costs"**).

16. On 10.03.2021, the Director (Regulatory Affairs), OERC initiated the suo-motu petition as the Designated Petitioner with the following prayers to the Commission:

(a) To issue suitable directions to give effect to the vesting of utility of NESCO to TPNODL as per Section 21(a) of the Act.

(b) To issue suitable directions for attachment of purchase price to debt, mortgage or similar obligation of NESCO Utility as per proviso to Section 21(a) of the Act.

(c) To issue suitable directions for transfer of rights, powers, authorities, duties and obligations of the license under the license of NESCO Utility to TPNODL as per Section 21(b) of the Act.

17. The petition also stated that the following are required to be complied as per the provisions of the Act and the conditions of RFP:

(a) The paid-up share capital of TPNODL shall be Rs. 250 crores (Indian Rupee Two hundred and fifty crores) only. This is the reserve price for the utility as per the RFP.

(b) TPCL shall hold 51% (fifty one percent) equity shares and GRIDCO shall hold 49% (forty nine percent) equity shares in TPNODL. Share Acquisition

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Agreement and Shareholders Agreement shall be executed to this effect between TPCL and GRIDCO.

(c) The Bulk Supply Agreement shall be executed between TPNODL and GRIDCO and the Bulk Power Transmission and SLDC Agreement shall be executed between TPNODL and Odisha Power Transmission Corporation Limited (the **"OPTCL"**).

(d) NESCO Utility shall be sold to TPNODL and the purchase price shall be received by the Commission. The Transaction Process Costs shall be deducted by the Commission from the purchase price deposited with the Commission by TPCL. As per Section 21(a) of the Act, such purchase price shall attach to the debt, mortgage or similar obligation of utility of NESCO. Remittance of this amount shall be as approved by the Commission.

(e) The Administrator of NESCO Utility shall deliver the utility to TPNODL on 01.04.2021.

(f) The Administrator of NESCO Utility shall be required to make available its provisional balance sheet as on 31.03.2021.

(g) An opening balance sheet for TPNODL shall be carved out from the balance sheet of NESCO Utility as on 31.03.2021 to effect the transfer of the utility to TPNODL. The carved out balance sheet shall be as per the broad principles laid out in Annexure - I.

18. The Commission decided to dispose of the petition registered as Case No. 09/2021 through a hearing of the concerned parties namely NESCO Utility, TPCL, GRIDCO, OPTCL and the Government of Odisha and accordingly issued notice to the parties directing them to file written submissions to the suo-motu petition and appear for the hearing on 18.03.2021. Accordingly, the parties have filed their written responses.

19. The NESCO Power Engineer's Association requested the Commission to implead them as respondent in the proceeding. The Commission allowed the intervener to take part in the proceedings.

20. GRIDCO submitted its response with prayers related to suitable addressal of past dues on account of power purchase, non-servicing of loan and other dues. GRIDCO submitted that the arrear collection as committed by TPCL may be prioritised for

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paying/ settling the outstanding dues of GRIDCO. GRIDCO suggested that TPCL may maintain a separate account for deposit and utilisation of the arrear towards GRIDCO dues with periodical reconciliation on quarterly/ monthly basis. GRIDCO further submitted that the Commission may consider recognising the net receivable after adjustment of the purchase and committed arrear collection by the operating company as on effective date as 'Regulatory Assets' and keep provision for amortisation of the same in future against the revenue gain to be achieved on AT&C loss trajectory as committed by the purchaser. GRIDCO has also submitted to frame an appropriate payment security mechanism for recovery of outstanding dues. GRIDCO has also submitted regarding payment of current dues of GRIDCO, Government of Odisha CAPEX Scheme loan outstanding, charge on current revenue in case of default in payment of BSP dues after utilising LC and PBG and capital expenditure committed by the TPCL.

21. OPTCL submitted that the Commission may issue appropriate orders making the successor organisation liable for making payment of revised transmission charges other applicable charges to OPTCL, if any prior to the date of vesting in case the energy quantum is revised by SLDC. OPTCL further submitted that the successor organisation be made liable for payment of any other dues of OPTCL receivable from NESCO which may appear in due course of transmission related activity of OPTCL.

22. TPCL filed its response with prayers such as removal of lien on escrow accounts, removal of corporate guarantee, mitigation of any tax impact on Deemed Licensee for subscription of equity in kind by GRIDCO, indemnification of TPCL from any claim of third party in relation to acquisition of the controlling stake in Deemed Licensee including the acquisition of controlling stake being stayed or reversed by a court of law (both in SAA & SHA), relaxation in AT&C loss levels and adjustment of the recovery of past arrears provided during the bidding process due to change in arrears in case any amnesty scheme/ Government scheme is launched.

23. Representatives from NESCO Power Engineer's Association submitted that the Commission may order to protect service condition of the employees which shall be applicable and continuance of present service regulation, for future post creations and appointment, no parallel cadre, adoption of DA as per State Government declaration, no lateral entry in any cadre, transparent recruitment process, no

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modification or review of the AT&C loss target fixed by the Commission, restriction on creation of charge over any assets of NESCO, the new company to come under purview of CAG audit and RTI to ensure public trust and transparency and the vesting order to attain finality after acceptance and no further application for modification or review be entertained by the Commission.

24. The Commission conducted a hearing of the parties under suo-motu proceedings through video conference on 18.03.2021 in which the respondents as well as intervenors were heard by the Commission.

25. In the written submissions filed by the respondents, the Commission has observed that the respondents have agreed to enter into the following agreements:

(a) Share Acquisition Agreement shall be signed amongst GRIDCO, TPNODL and TPCL;

(b) Shareholders Agreement shall be signed between GRIDCO and TPCL;

(c) Bulk Supply Agreement shall be signed between GRIDCO and TPNODL; and

(d) Bulk Power Transmission and SLDC Agreement shall be signed between OPTCL and TPNODL.

26. The Commission further observed the following from the submissions made by the parties:

(a) TPNODL has been incorporated with an authorised share capital of Rs. 1000 crore and a paid-up share capital of Rs. 5 lakhs (Indian Rupee Five lakhs) only.

(b) The trade payables to GRIDCO (in the books of NESCO Utility) amounting to Rs. 249.95 crores (Indian Rupee Two hundred forty nine crores and ninety five lakhs) shall be converted to equity share capital of TPNODL. With this, the equity share capital shall be Rs. 250 crores (Indian Rupee Two hundred crores) only as required for the transaction. NESCO Utility has stated that it shall comply with the directions of the Commission in this regard. The Commission is concluding that the proposed transaction structure has been agreed among all the parties- GRIDCO, NESCO Utility and TPCL.

(c) As per the Share Acquisition Agreement, TPCL shall acquire 51% (fifty one percent) of the equity shares of TPNODL. Therefore, TPCL and GRIDCO

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shall hold 51% (fifty one percent) and 49% (forty nine percent) of the equity shares respectively in TPNODL with effect from 01.04.2021.

(d) The utility and license of NESCO Utility shall be transferred to TPNODL on 01.04.2021.

(e) GRIDCO and TPNODL shall execute the Bulk Supply Agreement on or before 01.04.2021. This agreement incorporates the terms of RFP related to power procurement conditions and establishment of payment security mechanism(s).

(f) OPTCL and TPNODL shall execute the Bulk Power Transmission and SLDC Agreement on or before 01.04.2021. This agreement incorporates the terms related to payment of transmission and SLDC charges and establishment of payment security mechanism(s).

(g) The purchase price after deducting Transaction Process Costs determined by the Commission shall be remitted to GRIDCO for extinguishment of past liabilities of NESCO and NESCO Utility towards power purchase cost from GRIDCO. NESCO Utility shall comply with the directions of the Commission in this regard.

(h) From the provisional accounts of NESCO Utility as of 31.03.2021, a provisional opening balance sheet for the utility transferred to TPNODL shall be prepared. This shall be done in accordance with the principles laid out in the Annexure - 1. Thereafter based on statutory audit of NESCO Utility, the provisional accounts of NESCO Utility as of 31.03.2021 shall be updated to prepare the final accounts. This shall be done on or before 30.09.2021 and shall be submitted to the Commission. From the final accounts of NESCO Utility, the actual opening balance sheet of TPNODL shall be finalized based on the principles as laid out in Annexure – 1 and shall be submitted to the Commission.

(i) As per the Shareholders Agreement, TPCL and GRIDCO shall maintain 51% (fifty one percent) and 49% (forty nine percent) shareholding respectively at all times and any future equity investment from GRIDCO in TPNODL shall be either in form of cash, kind or any other consideration as decided by GRIDCO in accordance with the Shareholders Agreement.

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(j) The RFP provided the principles for carving out the balance sheet of TPNODL from the balance sheet of NESCO Utility. Following these principles, an indicative opening balance sheet as of 01.04.2020 had been prepared based on the latest audited accounts of NESCO Utility as of 31.03.2020. The revised provisional opening balance sheet of the proposed Operating Company as of 01.04.2020 has been prepared and is provided at Annexure – 2.

27. The Commission has taken cognizance of the communications and submissions of all the parties till date and now issues this Vesting Order.

ORDER OF THE COMMISSION

28. As per Section 21(a) of the Act, the utility of NESCO shall be vested in TPNODL with effect from 01.04.2021 (the **"Effective Date"**) subject to completion of sale and delivery of the utility to TPNODL.

29. The Commission approves the transaction structure proposed by the parties. TPNODL has been incorporated with a paid-up share capital of Rs. 5 lakhs (Indian Rupee Five lakhs). The trade payables to GRIDCO (in the books of NESCO Utility) amounting to Rs. 249.95 crores (Indian Rupees Two hundred forty nine crores and ninety five lacs) only shall be converted to equity share capital of TPNODL. With this, the equity share capital shall be Rs 250 crores (Indian Rupee Two hundred fifty crores) only. TPCL shall purchase equity shares equivalent to 51% (fifty one percent) of the equity share capital in TPNODL from GRIDCO at the premium of Rs. 63.75 crores (Indian Rupee Sixty three crores and seventy five lakhs) only by paying to GRIDCO an amount of Rs. 191.25 crores (Indian Rupee One hundred ninety one crores and twenty fifty lakhs) only.

30. The amount of Rs. 191.25 crores (Indian Rupee One hundred ninety one crores and twenty five lakhs) only is already deposited by TPCL with the Commission as per the requirement of RFP documents. The Commission shall, after vesting of utility of NESCO with TPNODL, remit the amount after deducting the Transaction Process Costs incurred by the Commission for the sale process directly to GRIDCO. Suitable accounting adjustments may be made in the financial statements of NESCO Utility and GRIDCO to this effect.

31. If the Administrator of NESCO Utility delivers the utility to TPNODL but the sale does not get completed in its entirety by 01.04.2021, TPNODL shall, as per Section

20(4) of the Act, operate and maintain the utility for a maximum period of upto 7 (seven) days from 01.04.2021, pending completion of transaction. In case transaction is not completed in its entirety within such extended period, then the Commission may, at its discretion, either grant extension on day by day basis or cancel the LoI. The decision of the Commission shall be final in this regard.

TERMS OF VESTING

32. As per Section 21(a) of the Act, the utility shall vest in TPNODL free from any debt, mortgage and similar obligation of NESCO and NESCO Utility except for certain serviceable liabilities that are being transferred to TPNODL along with mechanism for funding of such liabilities as provided in para 52 of this Order.

33. As per Section 21(b) of the Act, the rights, powers, authorities, duties and obligations of the license under NESCO Utility's license shall stand transferred to TPNODL on Effective Date upon delivery of utility on the same date. The amended license shall be issued by the Commission within 90 (ninety) days from the Effective Date.

34. With the transfer of utility of NESCO and license, the rights and responsibilities of NESCO utility shall transfer to TPNODL with effect from 01.04.2021.

35. Performance Guarantee

(a) As per the terms of RFP, TPCL has provided to the Commission Performance Guarantee of Rs. 150 crores (Indian Rupee One hundred and fifty crores) with following details:

(i) Bank Guarantee (PBG) No. OGT0005210052060 for an amount of Rs. 110 crores (Indian Rupees One hundred and ten crores) from INDUSIND BANK LTD., 78 Janpath, Kharvelnagar, Bhubaneshwar with expiry date of 31.03.2024 and claim date of 31.03.2025.

(ii) Bank Guarantee (PBG) No. 0393NDLG00261821 for an amount of Rs. 40 crores (Indian Rupees Forty crores) from ICICI Bank Ltd., Mega Branch, Bhubaneswar with expiry date of 31.03.2024 and claim date of 31.03.2025.

(b) As per the terms of the RFP, the Performance Guarantee(s) shall be renewed till the completion of 15 (fifteen) years from the Effective Date by TPCL at

least 30 (thirty) days before the expiry date of such Performance Guarantee.

(c) Upon satisfactory performance of TPNODL for a period of 5 (five) years from the Effective Date, and TPNODL having met all its obligations in regard to the performance and commitments made as part of its Bid in response to the RFP as determined by the Commission in performance review as per para 57 of this Order, the value of the Performance Guarantee shall be reduced to half of the original amount in para 35(a) above i.e. Rs. 75 crores (Indian Rupee Seventy five crores).

(d) The existing bank guarantee as per clause 35(a) shall be returned to TPCL on submission of a revised Performance Guarantee of Rs. 75 crores (Indian Rupee Seventy five crores) by TPCL which shall initially be valid for 3 (three) years and thereafter renewed every year by TPCL till the end of the 10th (tenth) year from the Effective Date.

(e) Further, the Commission, on satisfactory performance of TPNODL between the 6th (sixth) and the 10th (tenth) year of operations, may further reduce the Performance Guarantee to 25% (twenty five percent) of the original amount in para 35(a) above i.e. to Rs 37.5 crores (Indian Rupee Thirty seven crores and fifty lakhs). The same shall be required to be maintained by TPCL till the end of the 15th (fifteenth) year from the Effective Date.

(f) The reduced Performance Guarantee shall be refunded to TPCL at the end of the 15th (fifteenth) year from the Effective Date.

(g) TPCL shall restore the Performance Guarantee to its original amount within 30 (thirty) days of its being encashed. Failure to restore the Performance Guarantee to its original value shall result in non-compliance of the license conditions and the Commission shall then act as per the relevant provisions provided under the Act.

(h) The Performance Guarantee may be encashed for any reasons as follows:

(i) Failure to meet loss reduction target as specified in para 40(b);

(ii) Failure to collect Past Arrears as per para 43(e);

(iii) Failure to pay the Bulk Supply Price and Transmission Charges as per para 37 and 38; or

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(iv) Any other reason as mentioned in the RFP and required under the license conditions.

36. Power Procurement conditions

(a) GRIDCO, a wholly owned company of the State Government, is engaged in the business of purchase of electricity in bulk from various Generators located inside and outside Odisha and the State share of power from the Central Generators for supply in bulk to the four distribution utilities in the State. Pursuant to the Government of Odisha notification No. PPD-II-2/05 (pt) 7947, Bhubaneswar dated 17.08.2006, GRIDCO is notified as the "State Designated Entity" to sign the Power Purchase Agreements (PPA) for procurement of all forms of power from different Generators. The terms of sale of power by GRIDCO to TPNODL shall be governed under the Bulk Supply Agreement.

(b) In order to fulfil its obligation as the bulk supplier in the State, GRIDCO has signed PPAs to meet the existing as well as future demand of power for the retail supply licensees in the State. As of 24.06.2020, the list of PPAs tied up by GRIDCO along with details, such as quantum, supply start date and supply end date are as provided in Annexure - 4.

(c) If in the opinion of GRIDCO, at any time during the term of license of TPNODL, the PPAs provided in Annexure – 4 are insufficient to meet the power purchase requirement of the retail supply licensees, then GRIDCO may sign additional PPAs with prior consultation with TPNODL, other retail supply licensees in the State and prior approval of the Commission. Such consultation shall also be required in case GRIDCO signs any PPAs to procure power from renewable energy sources to fulfil its Renewable Purchase Obligation targets set under the regulations and orders of the Commission.

(d) Till the time GRIDCO expresses its ability to meet the power purchase requirement of TPNODL from the PPAs provided in Annexure - 4 and any additional PPAs signed as per para 36(c) above, TPNODL shall be obligated to meet the full extent of its power purchase requirement from such PPAs from GRIDCO.

(e) In case GRIDCO conveys, in writing, its inability to make available any quantum of power requisitioned by TPNODL, such incremental quantum may

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be procured directly by TPNODL from alternative source, provided that such alternative source is selected through a transparent and competitive process and with the prior approval of the Commission.

37. Payment security mechanism for payment of BSP bills

(a) In order to ensure security to GRIDCO for payment of its Bulk Supply Price (BSP) bills in full, TPNODL would need to provide GRIDCO with a revolving letter of credit facility backed by necessary security including Corporate Guarantee, if required, by the TPCL for an amount equivalent to the average BSP bills of 2 (two) months as a primary payment security mechanism. This Letter of Credit would be opened and maintained as per the provisions laid out in the Bulk Supply Agreement.

(b) In case of failure of GRIDCO to recover its dues through this letter of credit mechanism, it can approach the Commission with a request to encash the Performance Guarantee to the extent of the shortfall in the payment of BSP bills. Encashment of the Performance Guarantee would be at the sole discretion of the Commission. Upon encashment, TPCL shall be required to replenish the Performance Guarantee to its original value as provided in para 35(g) of this Order. The Commission shall provide TPNODL and/or TPCL with a reasonable opportunity to be heard before encashment of Performance Guarantee.

38. Payment security mechanism for payment of transmission and SLDC charges

(a) In order to ensure security to OPTCL for payment of transmission and SLDC charges in full, TPNODL would need to provide OPTCL with 2 (two) separate revolving letters of credit facilities backed by necessary security including Corporate Guarantee, if required, by the TPCL as payment security for transmission charges and SLDC charges. The amount of letters of credit shall be equivalent to the average transmission charges and average SLDC charges of 2 (two) months respectively. These letters of credit would be opened and maintained as per the provisions laid out in the Bulk Power Transmission and SLDC Agreement.

(b) In case of failure of OPTCL to recover its dues through this letter of credit mechanism, it can approach the Commission with a request to encash the

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Performance Guarantee to the extent of the shortfall in the payment of transmission charges and SLDC charges. Encashment of the Performance Guarantee would be at the sole discretion of the Commission. Upon encashment, TPCL shall be required to replenish the Performance Guarantee to its original value as provided in para 35(g) of this Order. The Commission shall provide TPNODL and/or TPCL with a reasonable opportunity to be heard before encashment of Performance Guarantee.

39. Capital investment plan

(a) The RFP required the bidders to provide a capital expenditure plan for first 5 (five) years of licensed operations as part of their bid.

(b) In its Bid submitted in response to the RFP, TPCL committed capital expenditure of Rs. 1,270 crores (Indian Rupee One thousand two hundred and seventy crores) only for period FY 2021-22 to FY 2025-26 as follows:

Table 1: Capital Expenditure Commitment by TPCL

Capex Commitment (INR Cr)					
FY22	**FY23**	**FY24**	**FY25**	**FY26**	**Total**
246	376	259	247	141	1,270

(c) To allow flexibility in the capital expenditure planning, the Commission stipulates that, in the capital expenditure plan to be submitted by TPNODL as per the license conditions, the capital expenditure commitment for each year of the period FY 2021-22 to FY 2025-26 must be such that capital expenditure proposed up to a year shall be at least equal to the cumulative capital expenditure committed up to that year in the Bid submitted by TPCL. For avoidance of doubt, the minimum cumulative capital expenditure to be proposed by TPNODL for the period FY 2021-22 to FY 2025-26 must be as provided in the table below:

Table 2: TPCL Cumulative Capital Expenditure for 5 years

Cumulative Capex Expenditure (INR Cr)				
Upto 31-Mar-2022	**Upto 31-Mar-2023**	**Upto 31-Mar-2024**	**Upto 31-Mar-2025**	**Upto 31-Mar-2026**

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Cumulative Capex Expenditure (INR Cr)				
Upto 31-Mar-2022	Upto 31-Mar-2023	Upto 31-Mar-2024	Upto 31-Mar-2025	Upto 31-Mar-2026
246	622	882	1,129	1,270

(d) TPNODL would be required to seek the Commission's approval on the detailed capital expenditure plan in line with the regulations. TPNODL shall satisfy the Commission that the capital expenditure plan submitted in line with regulations adheres to the capital expenditure plan submitted as part of the Bid.

(e) The Commission will evaluate the performance of TPNODL at the end of 3rd (third) and 5th (fifth) financial year of operation. Failure to incur cumulative committed capex or meet the timelines committed as part of Bid may lead to imposition of a penalty which may be in the form of encashment of Performance Guarantee. However, before encashment of Performance Guarantee, the Commission will notify TPCL and will allow TPCL to wire transfer the penalty amount within notified timelines. Failure to transfer the amount within the timelines will lead to encashment of Performance Guarantee. Upon encashment, TPCL shall be required to replenish the Performance Guarantee to its original value as provided in para 35(g) of this Order. The Commission shall provide TPNODL and/ or TPCL with a reasonable opportunity to be heard before encashment of Performance Guarantee.

(f) The penalty amount from wire transfer or encashment of TPCL's Performance Guarantee shall be transferred to the TPNODL and the same shall be deducted by the Commission during the true-up process or future Aggregate Revenue Requirement so that the benefit of the penalty amount, so collected, is passed on to consumers.

(g) The capital investments made by TPNODL shall be allowed recovery of depreciation in line with the rates prescribed in Annexure – 3 till the time applicable regulation is notified by the Commission. The depreciation rates specified in regulations shall prevail over the rates specified in Annexure – 3 as and when applicable regulation is notified by the Commission.

(h) Depreciation on all existing assets transferred to TPNODL shall be determined based on the existing methodology being followed by the Commission.

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(i) The funding on account of the various ongoing schemes of the Government of Odisha will be made available to TPNODL as and when available and applicable.

40. AT&C loss targets

(a) As per terms of the RFP, the bidders were required to provide AT&C loss trajectory for first 10 years of operations i.e. FY 2021-22 to FY 2030-31 with the condition that the AT&C loss level in FY 2023-24 and FY 2025-26 shall not be higher than 21.5% and 16.0% respectively. As part of its Bid, TPCL has provided the AT&C loss reduction trajectory shown in the following table:

Table 3: AT&C Loss Trajectory Commitment by TPCL

AT&C Loss Trajectory (%)									
FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31
24.32	22.32	20.80	17.80	15.50	12.50	11.50	10.50	9.50	8.90

(b) As stated in the RFP, the Commission shall review the performance of TPNODL at the end of FY 2023-24 and FY 2025-26 to ascertain whether the committed AT&C loss targets have been achieved. In case of failure to achieve the targets, the Commission shall have the right to recover the penalty amount by encashing the Performance Guarantee for any shortfall in meeting the AT&C loss targets committed by TPCL in its Bid and/or revoke the license of TPNODL. TPCL shall be liable to pay a penalty of Rs. 40 crores (Indian Rupee Forty crores) for every 1% (one percent) shortfall in meeting the committed AT&C loss targets, or proportionately for a part thereof, found as a result of the Commission's review at the end of the FY 2023-24 and FY 2025-26. For the purpose of clarity, for example, if at the end of FY 2023-24, TPNODL has achieved an AT&C loss of 22.00%, vis-à-vis the committed target of 20.80% (being the committed AT&C loss for FY 2023-24 provided in Table 3), an amount of Rs. 48 crores, being [Rs. 40 crores x (22.00 – 20.80)], shall be recovered by the Commission by way of encashment of the Performance Guarantee. However, before encashment of Performance Guarantee, the Commission will notify TPCL and will allow TPCL to wire transfer the penalty amount within notified timelines. Failure to transfer the amount within the timelines will lead to encashment of Performance

Guarantee. Upon encashment, TPCL shall be required to replenish the Performance Guarantee to its original value as provided in para 35(g) of this Order. The Commission shall provide TPNODL and/or TPCL with a reasonable opportunity to be heard before encashment of Performance Guarantee.

(c) The penalty amount from wire transfer or encashment of TPCL's Performance Guarantee shall be transferred to the TPNODL and the same shall be deducted by OERC during the true-up process or future Aggregate Revenue Requirement so that the benefit of the penalty amount, so collected, is passed on to consumers.

(d) The penalty for non-achievement of AT&C loss targets may be relaxed by the Commission under conditions of Force Majeure, including acts of God, acts of GoO or the Government of India (de jure or de facto) or regulatory body or public enemy, war, riots, embargoes, industry-wide strikes, thereby, hindering the performance by TPNODL or any of its obligations hereunder. The Commission's decision in this regard shall be final and binding on all parties.

41. AT&C Loss Trajectory for tariff determination

(a) As part of the RFP, the Commission provided the following 10-year AT&C loss trajectory to be adopted for determination of tariff for period FY 2021-22 to FY 2030-31:

Table 4: 10-year AT&C Loss Trajectory for Tariff Determination

AT&C Loss Trajectory for Tariff Determination (%)									
FY22	**FY23**	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**FY31**
19.17	19.17	17.09	15.00	13.83	12.76	11.77	10.85	10.00	9.50

(b) TPNODL would be entitled to retain any gains resulting from its meeting and surpassing the AT&C loss trajectory for tariff determination. Such gains would be over and above the return on equity allowed by the Commission as part of OERC (Terms and Conditions for Determination of Wheeling Tariff and

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Retail Supply Tariff) Regulations 2014 (the **"Tariff Regulations"**) and shall not be adjusted as other income or in any way appropriated through any truing up process or future Aggregate Revenue Requirement process.

42. Payment of BSP for the month of March, 2021

On the Effective Date, BSP bills for the month of March, 2021 to be raised in April, 2021 will be outstanding. TPNODL will be required to pay the bill after taking over.

43. Recovery of Past Arrears and incentives thereon

(a) As part of the RFP, bidders were required to provide a commitment to recover Past Arrears from live as well as permanently disconnected consumers in the first 5 (five) years of operations. This was one of the criteria for evaluation of bids.

(b) As per the incentive mechanism for sharing of Past Arrears collection provided in the RFP, TPNODL shall be eligible for an incentive of 10% (ten percent) on Past Arrears collected from live consumers and 20% (twenty percent) on Past Arrears collected from permanently disconnected consumers. Such incentive would be on the amount of Past Arrears collected from the consumers, net of all taxes and duties recovered from consumers. However, collections from current live consumers may first be appropriated towards current bill and then towards Past Arrears. In this regard, the Deemed Licensee is expected to keep a separate records/ account and information regarding Past Arrears and their collection in each consumer's ledger. The cost incurred by TPNODL for such recovery of Past Arrears will not form a part of Aggregate Revenue Requirement of TPNODL.

(c) TPCL has committed to the recovery of following quantum of Past Arrears in its bid:

Table 5: TPCL Past Arrear Recovery Commitment

Commitment of Collection of Past Arrears (INR Cr)					
FY22	**FY23**	**FY24**	**FY25**	**FY26**	**Total**
50	120	100	80	50	**400**

(d) As stated in the RFP, the Commission shall review the performance of TPNODL vis-à-vis its commitment to collect Past Arrears, at the end of FY

2025-26, on an aggregate cumulative basis, by when TPNODL is required to meet the commitment of Past Arrears collection for the entire period of 5 (five) years.

(e) Failure to meet the committed Past Arrears collection target at the end of FY 2025-26 shall lead to encashment of Performance Guarantee, to the extent of 10% (ten percent) of such shortfall, as computed at the end of FY 2025-26. For the purpose of clarity, for example, if at the end of the FY 2025-26, TPNODL has achieved Past Arrears collection of Rs. 370 crores (Indian Rupees Seventy crores) only vis-à-vis the committed target of Rs. 400 crores (Indian Rupees One hundred crores) only, an amount of Rs. 3 crores (Indian Rupee Three Crores) only, being [10% x (Rs. 400 crores – Rs. 370 crores)], shall be recovered by the Commission by way of encashment of the Performance Guarantee. The Commission's decision in this regard shall be final and binding on all parties. However, before encashment of Performance Guarantee, the Commission will notify TPCL and will allow TPCL to wire transfer the penalty amount within notified timelines. Failure to transfer the amount within the timelines will lead to encashment of Performance Guarantee. Upon encashment, TPCL shall be required to replenish the Performance Guarantee to its original value as provided in para 35(g) of this Order.

(f) The penalty amount from wire transfer or encashment of Performance Guarantee shall be transferred to TPNODL and the same quantum shall be deducted by OERC during the true-up process or future Aggregate Revenue Requirement so that the benefit of the penalty amount, so collected, is passed on to consumers.

(g) The Past Arrears recovered from consumers, after deducting the incentive of TPNODL, shall be dealt with in manner specified in para 52 of this Order. In case the Additional Serviceable Liabilities stated in para 52 of this Order are extinguished, then the Past Arrears recovered after deducting the incentive shall be paid to GRIDCO. After the past liabilities of GRIDCO are extinguished, the Past Arrears recovered after deducting the incentive shall be paid to OPTCL for outstanding transmission and SLDC charges of NESCO Utility.

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(v) Failure to restore the Performance Guarantee as per para 35(g); or

(vi) Failure to meet the cumulative capital investment commitment at the end of 5th (fifth) year as per para 39.

TRANSFER OF LICENSE

59. As per Section 21(b) of the Act, the rights, powers, authorities, duties and obligations of the NESCO Utility under its license dated 27.10.2006 issued by the Commission shall stand transferred to TPNODL upon completion of sale.

60. TPNODL shall be the licensee to carry out the function of distribution and retail supply of electricity covering the distribution circles of Balasore, Bhadrak, Baripada, Jajpur and Keonjhar in the state of Odisha for a period of 25 (twenty five) years from 01.04.2021 unless the LoI is cancelled or this Order is withdrawn pursuant to para 31 of this Order.

61. Under Section 16 of the Act, the Commission has powers to lay down the license conditions of TPNODL. To incorporate the terms of the sale process and commitments made by TPCL in its Bid, the Commission shall through a separate order, amend the license conditions applicable to TPNODL.

62. The order amending license conditions shall be issued within 90 (ninety) days from the Effective Date. Till the time amended license is granted, the provisions of this Order and the rights, powers, authorities, duties and obligations specified in the existing license of NESCO Utility shall apply to TPNODL.

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OTHER ORDERS OF THE COMMISSION

77. The ongoing government schemes under capital work in progress are being transferred to TPNODL. TPNODL is not allowed to use this capital amount for any other purpose.

78. The Commission notes that some amount of grants provided by the GoO in the past for various works is lying unspent in NESCO Utility at present. TPNODL shall ensure that any funds provided for specific purposes by GoO to NESCO Utility in the past which remains unutilized as on the Effective Date, along with interest earned on such funds, must be accounted for separately and utilized for those purposes as specified in the sanction order from time to time. Such schemes shall be jointly monitored by GoO, GRIDCO, OPTCL and TPNODL. In this regard, the Commission directs that TPNODL shall agree to the terms and condition for utilization of such grants through an agreement with GRIDCO/ GoO/ OPTCL. For new schemes formulated by the GoO, if TPNODL wishes to avail funding under such scheme, an agreement shall be signed between GoO/ GRIDCO/ OPTCL and TPNODL for utilization of such grants.

79. TPNODL or TPCL shall not be allowed to create any charge or encumbrance on the following throughout the term of the License:

(a) Fixed assets transferred to TPNODL as part of this Order; and

(b) Financial assets corresponding to Consumer Security Deposits.

Further, TPNODL or TPCL shall free the above listed assets from any

encumbrances/ charges that may exist on these assets as per the opening balance sheet of TPNODL as on Effective Date within a fixed time frame, not later than full 5 (five) Financial Years of operations from the Effective Date, as may be approved by the Commission.

80. In addition to para 79, TPNODL shall not create any charge or encumbrance over other assets of TPNODL, including but not limited to receivables of TPNODL, without prior approval of the Commission.

81. TPCL in its submission has made certain prayers for redressal. Such prayers include relaxation in AT& C loss levels, removal of lien on Escrow accounts , past arrear recovery, removal of corporate guarantee, mitigation of tax impact on account of transfer of assets by GRIDCO and indemnification from any third party claim on acquisition of stake in TPNODL. The Commission is not inclined to provide any concessions/ further clarifications in this regard as the conditions of the RFP and RFP Documents namely Share Acquisition Agreement, Shareholders Agreement, Bulk Supply Agreement and Bulk Power Transmission and SLDC Agreement provided with the RFP are amply clear.

82. With regards to the prayer of TPCL for removal of Escrow, it may be noted that continuation of Escrow account had not been envisaged in the RFP. Regarding payment of BSP bills to GRIDCO, adequate payment security mechanism in the form of Letter of Credit for an amount equivalent to 2 (two) months' BSP bills has been provided in para 37 of this order. Once the LC as mentioned above is made available there is no need for continuation of Escrow mechanism that was an arrangement with the earlier distribution licensee, when LC was not being provided. Binding down the cash flow of the Operating Company through an Escrow mechanism even after the LC for 2 (two) months' BSP bill is made available will severely constrain the operational flexibility of the Operating Company for meeting its expenses approved in the ARR and affect its efficient functioning. Regarding GRIDCO's concern for collection of its past receivables from the DISCOM, the Operating Company is not liable to pay those dues except as provided for in this Order. The purchase consideration is being remitted to GRIDCO against its past dues as per Section 21(a) of the Act. In addition, para 43 of this Order provides an additional mechanism for recovery of the past receivables of GRIDCO. Continuance of Escrow to secure its past receivable is not in conformity with Section 21 (a) of the

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Act since the successor DISCOM cannot be forced to discharge the liabilities of the predecessor DISCOM. With adequate measures in conformity with the Act provided in this Order, there exists no sufficient ground for continuing with the Escrow arrangement that had been made with the earlier Licensee. The Commission therefore directs that within 7 (seven) days of opening of Letter of Credit by TPNODL, the escrow arrangement shall be discontinued and any lien/charge created on the bank account/Escrow account of TPNODL shall be vacated.

83. In case of any conflict between this Order and the provisions of RFP or RFP Documents namely Share Acquisition Agreement, Shareholders Agreement, Bulk Supply Agreement and Bulk Power Transmission and SLDC Agreement, the decision of the Commission shall be final.

84. The Commission shall not allow recovery or true up of costs owing to tax implications or any other costs arising out of this transaction in any manner except stamp duty on transfer of asset. The Commission directs TPCL and GRIDCO to ensure that necessary steps be taken while executing the transaction so as to not burden the consumers due to taxes and duties arising out of this transaction.

85. The terms of this Vesting Order shall be final and binding on the parties. The parties shall not be allowed to make any further submissions with regard to the matters dealt with in this Vesting Order.

86. The suo-motu proceeding is accordingly disposed off.

Sd/-	Sd/-	Sd/-
(G. Mohapatra)	**(S.K. Parhi)**	**(U. N. Behera)**
Member	**Member**	**Chairman**

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CERTIFIED COPY OF SECTOR SPECIFIC PROFORMA

General Information					
1	**Name of the DISCOM**	TPNODL			
2	**i) Year of Establishment**	1st April 2021			
	ii) Government/Public/Private	Public Private Partnership			
3	**DISCOM's Contact details & Address**				
i	City/Town/Village	**TP NORTHERN ODISHA DISTRIBUTION LIMITED**			
ii	District	Balasore			
iii	State	ODISHA		Pin	756019
iv	Telephone	06782-244865		Fax	06782-244259
4	**Registered Office**				
i	Company's Chief Executive Name	Mr. Dwijadas Basak			
ii	Designation	Chief Executive Officer			
iii	Address	**TP NORTHERN ODISHA DISTRIBUTION LIMITED**			
iv	City/Town/Village	Januganj		P.O.	Januganj
v	District	Balasore			
vi	State	ODISHA		Pin	756019
vii	Telephone	9818100677		Fax	06782-244259
5	**Nodal Officer Details***				
i	Nodal Officer Name (Designated at DISCOM's)	Mr. Joydip Roy			
ii	Designation	Chief-Commercial Services & CSR			
iii	Address	Balasore			
iv	City/Town/Village	Januganj		P.O.	Januganj
v	District	Balasore			
vi	State	Odisha		Pin	756019
vii	Telephone	9223548427		Fax	NA
6	**Energy Manager Details***				
i	Name	Mr. Swagat Mukherjee			
ii	Designation	HOG (Energy Audit)		Whether EA or EM	EA (Designated)
iii	EA/EM Registration No.	NA			
iv	Telephone	9831196234		Fax	NA
v	Mobile	9831196234	E-mail ID	Swagat.Mukherjee@tpnodl.com	
7	**Period of Information**				
	Year of (FY) information including Date and Month (Start & End)	1st Apr, 2023 - 31st Mar, 2024			

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Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st Apr, 2023 - 31st Mar, 2024	
2	**Technical Details**		
(a)	**Energy Input Details**		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	8307.37
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	7047.15
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	5996.36
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	1050.79
		%	14.91%
	Collection Efficiency	%	103.76%
(c)	Aggregate Technical & Commercial Loss	%	11.71%

my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss.

Authorised Signatory and Seal

Signature:-

Name of AEA*: R. Gopala Krishna

Registration Number: EA-0432, AEA-0123

Name of Authorised Signatory

Name of the DISCOM:

Full Address:-

R. GOPALA KRISHNA
Accredited Energy Auditor
(B E E) EA-0432, AEA-0123

Zenith Energy Services (P) Ltd. NVO

Seal

Form-Details of Input Infrastructure					
1	**Parameters**	**Total**	**Covered during in audit**	**Verified by Auditor in Sample Check**	**Remarks (Source of data)**
i	Number of circles	5			TPNODL Data Base
ii	Number of divisions	16			TPNODL Data Base
iii	Number of sub-divisions	50			TPNODL Data Base
v	Total Number of feeders	968 (33kV+11kV)			TPNODL Data Base
vi	Total Number of DTs	77688			TPNODL Data Base
vii	Number of consumers	1954513			TPNODL Data Base
2	**Parameters**	**66kV and above**	**33kV**	**11kV**	**LT**
a. i.	Number of conventional metered consumers	-	-	2692	1870605
ii	Number of consumers with 'smart' meters	-	191	5901	64041
iii	Number of consumers with 'smart prepaid' meters	-	-	-	6231
iv	Number of consumers with 'AMR' meters	42	167	356	309
v	Number of consumers with 'non-smart prepaid' meters	-	-	-	-
vi	Number of unmetered consumers	-	-	-	3978
vii	**Number of total consumers**	**42**	**358**	**8949**	**1945164**
b.i.	Number of conventionally metered Distribution Transformers	-	-	-	-
ii	Number of DTs with communicable meters	-	-	-	8202 (>=100kVA)
iii	Number of unmetered DTs	-	-	-	69486
iv	**Number of total Transformers**	**-**	**-**	**-**	**77688**
c.i.	Number of metered feeders	-	115	853	-
ii	Number of feeders with communicable meters	-	115	853	8202 (>=100kVA)
iii	Number of unmetered feeders	-	-	-	69486
iv	**Number of total feeders**	**-**	**115**	**853**	**77688**
d.	Line length (ct km)	-	3225.64	41108.37	68139.45
e.	Length of Aerial Bunched Cables	-	-	-	47194.00
f.	Length of Underground Cables	-	401.00		-

3	**Voltage levels**	**Particulars**	**MU**	**Reference**	**Remarks (Source of data)**
i	66kV and above	Long-Term Conventional		Includes input energy for franchisees	
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy			
		Medium and Short-Term RE		Includes power from bilateral/ PX/ DEEP	
		Captive, open access input		Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	
		Sale of surplus power			
		Quantum of inter-state transmission loss		As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources		Based on data from Form 5	
		Power at state transmission boundary	0.00		
ii	33kV	Long-Term Conventional			
		Medium Conventional			
		Short Term Conventional	7047.15		
		Banking			
		Long-Term Renewable energy			
		Medium and Short-Term RE			
		Captive, open access input			
		Sale of surplus power			
		Quantum of intra-state transmission loss	**0.00**		
		Power procured from intra-state sources	**7047.15**		
iii		**Input in DISCOM wires network**	**7047.15**		
iv	33 kV	Renewable Energy Procurement			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Captive, open access input			
v	11 kV	Renewable Energy Procurement			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Sales Migration Input			
vi	LT	Renewable Energy Procurement			
		Sales Migration Input			
vii		**Energy Embedded within DISCOM wires network**	**0.00**		
viii		**Total Energy Available/ Input**	**7047.15**		OPTCL BST Bill

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4	Voltage level	Energy Sales Particulars	MU	Reference	
i	LT Level	DISCOM' consumers	**2195.38**	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation used at LT level		Demand from embedded generation at LT level	
		Sale at LT level	**2195.38**		
		Quantum of LT level losses	1022.25		
		Energy Input at LT level	**3217.63**		
ii	11 kV Level	DISCOM' consumers	261.18	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 11 kV level used		Demand from embedded generation at 11kV level	
		Sales at 11 kV level	261.18		
		Quantum of Losses at 11 kV	11.20		
		Energy input at 11 kV level	**272.38**		
iii	33 kV Level	DISCOM' consumers	**424.63**	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 33 kV or below level		This is DISCOM and OA demand met via energy generated at same voltage level	
		Sales at 33 kV level	424.63		
		Quantum of Losses at 33 kV	17.34		
		Energy input at 33kV Level	**441.97**		
iv	> 33 kV	DISCOM' consumers	3115.17	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Cross border sale of energy			
		Sale to other DISCOMs			
		Banking			
		Energy input at > 33kV Level	3115.17		
		Sales at 66kV and above (EHV)	3115.17		
		Total Energy Requirement	**7047.15**		
		Total Energy Sales	**5996.36**		

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	3217.63	2195.38	1022.25	31.77%
ii	11 Kv	272.38	261.18	11.20	4.11%
iii	33 kv	441.97	424.63	17.34	3.92%
iv	> 33 kv	3115.17	3115.17	0.00	0.00%
6	**Open Access, Captive**	**Input (in MU)**	**Sale (in MU)**	**Loss (in MU)**	**Loss %**
i	LT	-	-	-	-
ii	11 Kv	-	-	-	-
iii	33 kv	-	-	-	-
iv	> 33 kv	1256.18	1256.18	0.00	0.00%

Loss Estimation for DISCOM	
T&D loss	1,050.79
D loss	1,050.79
T&D loss (%)	14.91%
D loss (%)	14.91%

Note:
1. Loss level at HT Level (11kV+33kV) is considered as per OERC guidelines.
2. Network loss component is included at LT Input level.

Details of Division Wise Losses (See note below)**

v

Form-Input Energy (Details of Input Energy & Infrastructure)			
A. Summary of Energy Input & Infrastructure			
S.No.	Parameters	Period From 1st Apr, 2023 - 31st Mar, 2024	Remarks (Source of data)
A.1	Input Energy purchased (MU)	8307.37	OPTCL BST Bill
A.2	Transmission loss (%)	0.00%	
A.3	Transmission loss (MU)	0.00	
A.4	Energy sold outside the periphery(MU)	0.00	
A.5	Open access sale (MU)	1260.22	Open Access & Sub-station Consumption included
A.6	EHT sale	3115.17	
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	7047.15	OPTCL BST Bill
A.8	Is 100% metering available at 66/33 kV (Select yes or no from list)	Yes	
A.9	Is 100% metering available at 11 kV (Select yes or no from list)	Yes	
A.10	% of metering available at DT	11%	
A.11	% of metering available at consumer end	100%	
A.12	No of feeders at 66kV voltage level	-	No any 66kV Network
A.13	No of feeders at 33kV voltage level	115	TPNODL Data Base
A.14	No of feeders at 11kV voltage level	853	TPNODL Data Base
A.15	No of LT feeders level	77688	Total No. of DTs
A.16	Line length (ckt. km) at 66kV voltage level	-	No any 66kV Network
A.17	Line length (ckt. km) at 33kV voltage level	3225.64	TPNODL Data Base
A.18	Line length (ckt. km) at 11kV voltage level	41108.37	TPNODL Data Base
A.19	Line length (km) at LT level	68139.45	TPNODL Data Base
A.20	Length of Aerial Bunched Cables	0.00	TPNODL Data Base
A.21	Length of Underground Cables	401.00	TPNODL Data Base
A.22	HT/LT ratio	0.651	

v

A. Meter reading of input energy at injection point																					
S.No.	Area	Circle	Voltage Level	Division	Sub-Division	Exchange Grid	Feeder ID	Feeder Name	Feeder Metering Mode (Abstract/ Consumer/ Solar/ Solar + ...)	Name of Grid Point (Exchange/Tie/Interface)	Metering Point		Feeder Type (Agri/ Industrial/ Mixed)	Status of Consumer Loss			Period from 1st Apr, 2023 - 31st Mar, 2024					
											Name of Grid point where reading commenced from	Type of Meter		To what extent (through automatically, if Static (AMR, GSM) ...	Function of Meter (Main, spare, non-readable, consumption is gained)	Time Variation of meters in the period	Meter S.No.	CT/PT Ratio (MF)	Import (MU)	Export (MU)	Net(MU)	Remarks / Reasons of delay
1	TPNODL	Balasore	132 kV	BSL	Nilagiri GSS	Balasore	33.0/11	33/11 kV Sub-Station, Nilagiri	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	1.24	0.00	1.24		
2	TPNODL	Balasore	132 kV	BSL	Nilagiri GSS	Balasore	33/11kV	33/11 kV Sub-Station, Nilagiri	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	344.21	0.00	344.21		
3	TPNODL	Balasore	132 kV	BSL	Balasore-II GSS	Balasore	33/11kV	Thumbia Feeder-11/33kv	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	67.46	0.00	67.46		
4	TPNODL	Balasore	33 kV	BSL	Balasore-II GSS	Balasore	33/11kV	11/11kV(BSNL) Feeder	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	102.14	0.00	102.14		
5	TPNODL	Balasore	33 kV	BSL	Balasore-II GSS	Balasore	33/11kV	11/11kV(BSNL) Feeder	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	144.44	0.00	144.44		
6	TPNODL	Balasore	33 kV	BSL	Balasore-II GSS	Balasore	33/11kV	11/11kV(BSNL) Feeder	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	111.49	0.00	111.49		
7	TPNODL	Balasore	33 kV	BTD	Basta GSS	Basta	33/11kV	33/11 kV Sub-Station, Basta	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	17.45	0.00	17.45		
8	TPNODL	Balasore	33 kV	BTD	Remuna GSS	Basta	33/11kV	33/11 kV Sub-Station, Remuna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	46.38	0.00	46.38		
9	TPNODL	Balasore	33 kV	BTD	Basta GSS	Basta	33/11kV	33/11 kV Sub-Station, Basta	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	57.72	0.00	57.72		
10	TPNODL	Balasore	33 kV	BS	Bhograi GSS	Bhograi	33/11kV	33/11 kV Sub-Station, Bhograi	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	50.56	0.00	50.56		
11	TPNODL	Balasore	33 kV	BS	Bhograi GSS	Bhograi	33/11kV	33/11 kV Sub-Station, Bhograi	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	69.83	0.00	69.83		
12	TPNODL	Balasore	33 kV	BSD	Balasore-I GSS	Chandbali	33/11kV	33/11 kV Sub-Station, Chandbali	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	98.13	0.00	98.13		
13	TPNODL	Balasore	33 kV	BSD	Balasore-I GSS	Chandbali	33/11kV	33/11 kV Sub-Station, Chandbali	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	98.21	0.00	98.21		
14	TPNODL	Balasore	132 kV	BS	Remuna GSS	Jaleswar	33/11kV	33/11 kV Sub-Station, Jaleswar	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	66.91	0.00	66.91		
15	TPNODL	Balasore	33 kV	BSD	Jaleswar GSS	Jaleswar	33/11kV	33/11 kV Sub-Station, Jaleswar	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	88.89	0.00	88.89		
16	TPNODL	Balasore	33 kV	BSD	Jaleswar GSS	Jaleswar	33/11kV	33/11 kV Sub-Station, Jaleswar	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	66.78	0.00	66.78		
17	TPNODL	Balasore	33 kV	BSD	Jaleswar GSS	Jaleswar	33/11kV	33/11 kV Sub-Station, Jaleswar	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	13.54	0.00	13.54		
18	TPNODL	Balasore	132 kV	BS / GSS	Somanathpur	Nalikuli	33/11kV	Nalikuli Feeder-33/11kv	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	51.54	0.00	51.54		
19	TPNODL	Balasore	132 kV	BS / GSS	Somanathpur	Basta	33/11kV	Basta Feeder-33/11kv	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	110.44	0.00	110.44		
20	TPNODL	Balasore	33 kV	BS	Somanathpur	Somanathpur	33/11kV	33/11 kV(BSNL) Feeder	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	79.38	0.00	79.38		
21	TPNODL	Balasore	33 kV	BS	BS / GSS	Somanathpur	33/11kV	33/11 kV Sub-Station, Somanathpur	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	28.51	0.00	28.51		
22	TPNODL	Balasore	33 kV	BSD	Basta GSS	Basta	33/11kV	33/11 kV Sub-Station, Basta	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	111.88	0.00	111.88		
23	TPNODL	Balasore	33 kV	BSD	Basta GSS	Basta	33/11kV	33/11 kV Sub-Station, Basta	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	72.65	0.00	72.65		
24	TPNODL	Balasore	33 kV	BSD	Basta GSS	Basta	33/11kV	33/11 kV Sub-Station, Basta	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	109.61	0.00	109.61		
25	TPNODL	Remuna	33 kV	BSD	Kaliapani GSS	Remuna	33/11kV	33/11 kV Sub-Station, Remuna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	81.67	0.00	81.67		
26	TPNODL	Remuna	33 kV	BSD	Kaliapani GSS	Remuna	33/11kV	33/11 kV Sub-Station, Remuna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	34.32	0.00	34.32		
27	TPNODL	Simulia	33 kV	BSD	Balipatna GSS	Balipatna	33/11kV	33/11 kV Sub-Station, Balipatna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	FR-05129	1	9.48	0.00	9.48		
28	TPNODL	Bardpada	33 kV	BPD	Balipatna GSS	Balipatna	33/11kV	33/11 kV Sub-Station, Balipatna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05MM0123	1	1.24	0.00	1.24		
29	TPNODL	Remuna	33 kV	BSD	Remuna GSS	Remuna	33/11kV	33/11 kV Sub-Station, Remuna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT0173	1	54.86	0.00	54.86		
30	TPNODL	Remuna	33 kV	BSD	Balipatna GSS	Balipatna	33/11kV	33/11 kV Sub-Station, Balipatna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	AP0035165	1	55.55	0.00	55.55		
31	TPNODL	Remuna	33 kV	BSD	Balipatna GSS	Balipatna	33/11kV	33/11 kV Sub-Station, Balipatna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	AP0035165	1	58.21	0.00	58.21		
32	TPNODL	Remuna	33 kV	BSD	Balasore GSS	Balasore	33/11kV	33/11 kV Sub-Station, Balasore	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	66.71	0.00	66.71		
33	TPNODL	Remuna	33 kV	BSD	Balasore GSS	Balasore	33/11kV	33/11 kV Sub-Station, Balasore	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	05TT012345	1	79.36	0.00	79.36		
34	TPNODL	Remuna	33 kV	BSD	Remuna GSS	Remuna	33/11kV	33/11 kV Sub-Station, Remuna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	AP0035165	1	39.88	0.00	39.88		
35	TPNODL	Remuna	33 kV	BSD	Remuna GSS	Remuna	33/11kV	33/11 kV Sub-Station, Remuna	Abstract	Franchisee	33 kV Side	Main	Rural	100% data received through automatically	No	0.00	AP0035165	1	28.32	0.00	28.32		

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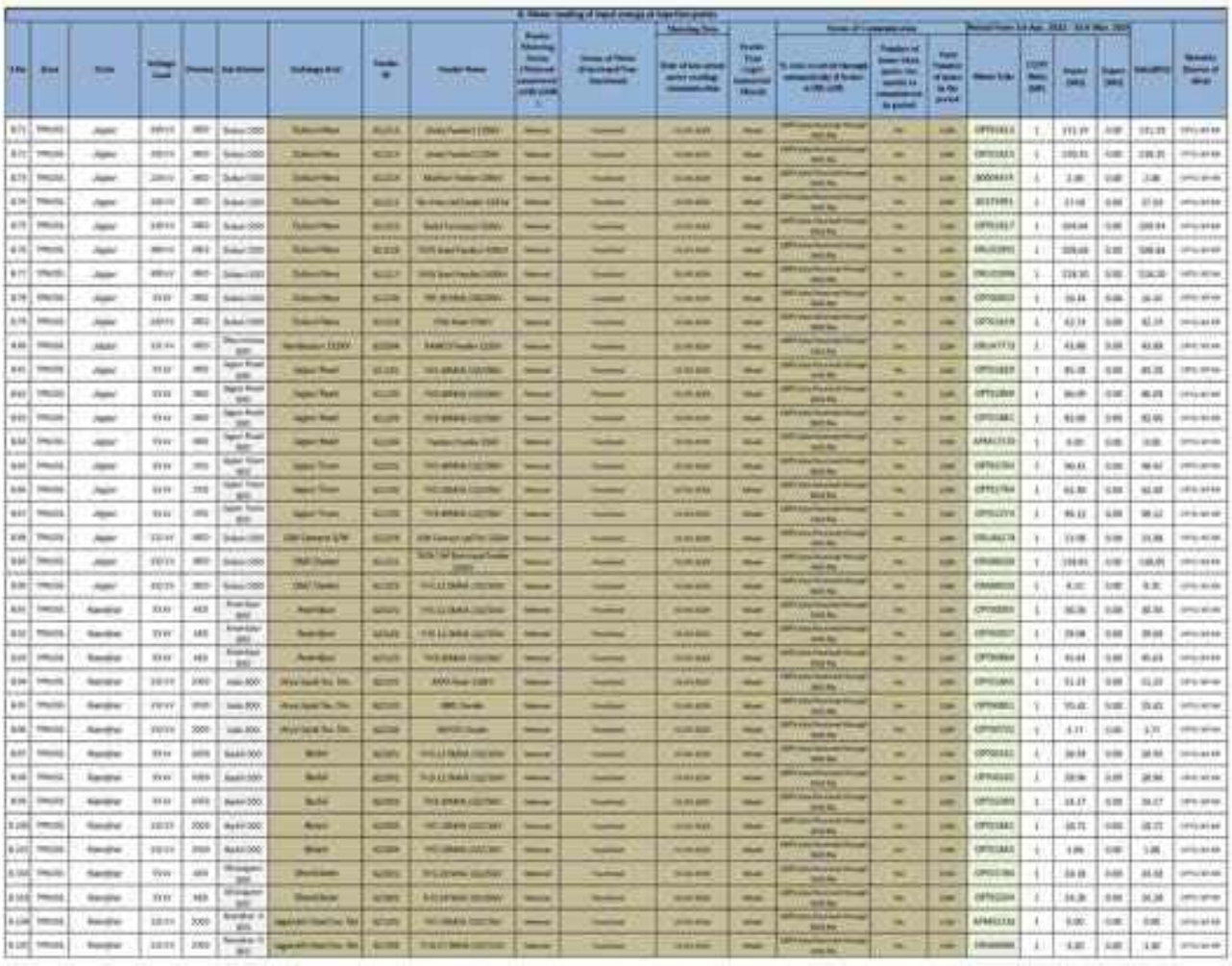

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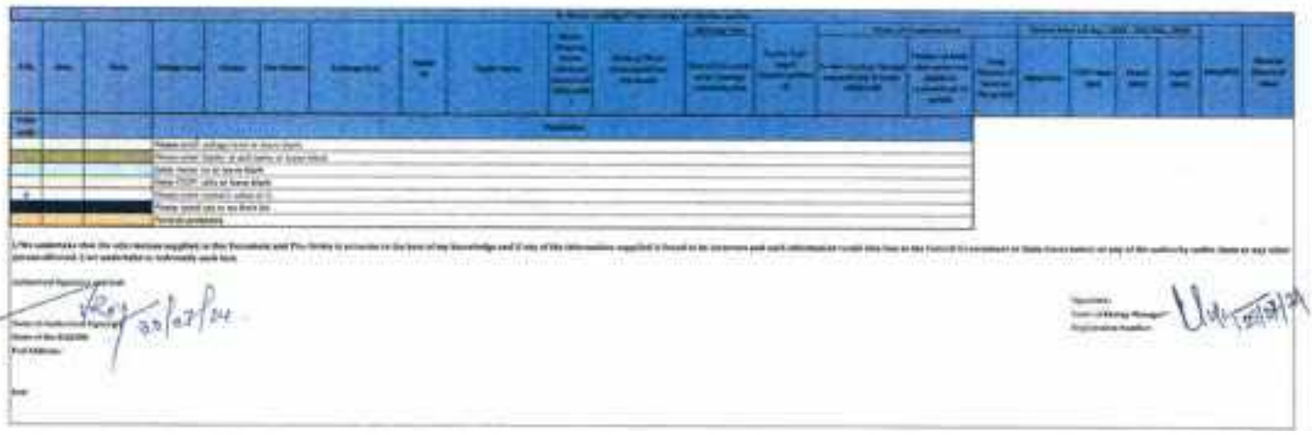
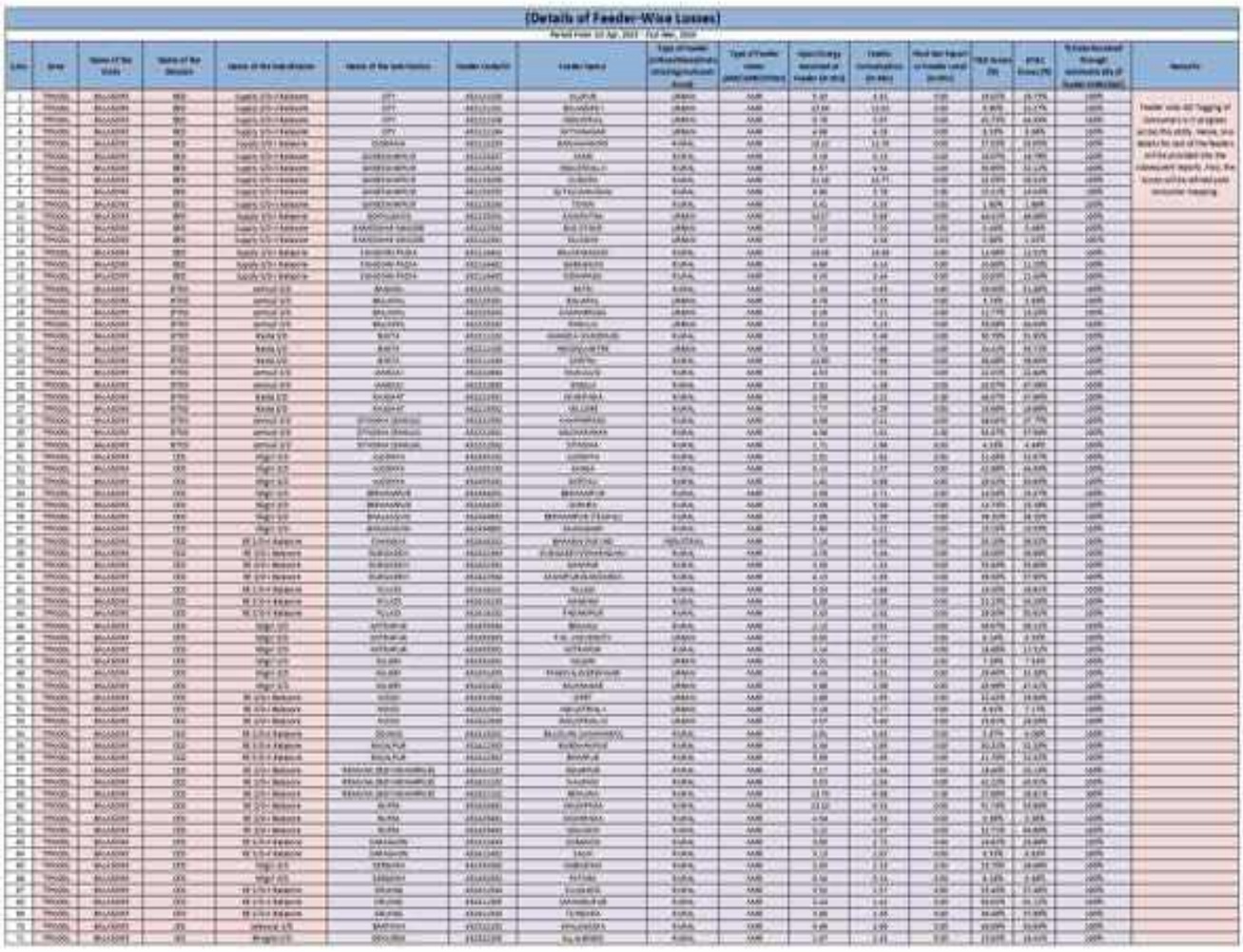


Details of Input Energy Sources								
Period From 1st Apr, 2023 - 31st Mar, 2024								
A. Generation at Transmission Periphery (Details)								
S.No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station Generation (Based- Solid (Coal ,Lignite)/Liquid/Gas/Renewable (biomass-bagasse)/Others)	Type of Contract (in years/months/days)	Type of Grid (Intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (At input)	Remarks (Source of data)
1	JAKHAPURA TRACTION SUB-STATION	25 MW	Railway	NA	Inter-State	0%	EHT	TPNODL is not drawing any power from all these Captive Power Plants Sources. Instead TPNODL is purchasing power from GRIDCO via OPTCL network as per the vesting order.
2	M/S JINDAL STEEL & POWER LTD.	60 MW	Steel	NA	Inter-State	0%	EHT	
3	SENIOR DIVISIONAL ELECTRICAL DIVIS	25 MW	Railway	NA	Inter-State	0%	EHT	
4	M/S EMAMI CEMENT LTD.	11 MW	Cement	NA	Inter-State	0%	EHT	
5	TISCO FERRO ALLOYS PLANT 2005	23 MW	Ferroy	NA	Inter-State	0%	EHT	
6	M/S TATA STEEL LTD.	16 MW	Steel	NA	Inter-State	0%	EHT	
7	M/S M.S.P SPONGE IRON LTD.	20 MW	SPONGE IRON	NA	Inter-State	0%	EHT	
8	M/S JSW CEMENT LTD.	12 MW	Cement	NA	Inter-State	0%	EHT	
9	M/S FACOR POWER LIMITED	100 MW(they have two CPP but now only one in use)	Steel and Power	NA	Inter-State	0%	EHT	
10	M/S SHRI JAGANNATH STEELS & PWR LTD	35 MW	Steel	NA	Inter-State	0%	EHT	
11	M/S SREE METALIKS LTD. (KJR-1)	6 MW	Steel	NA	Inter-State	0%	EHT	
12	M/S SREE METALIKS LTD. (JODA)	6 MW	Steel	NA	Inter-State	0%	EHT	
13	RUNGTA MINES LTD, SPNG IRN DIV	40 MW	Iron Ore	NA	Inter-State	0%	EHT	
14	M/S SARDA MINES (PVT) LTD.	2.5 MW	MINES	NA	Inter-State	0%	HT	
15	JINDAL STAINLESS LTD.	2*125MW + 5MW	Stainless Steel	NA	Inter-State	0%	HT	
16	KALINGA IRON WORKS COLONY	16 MW	Iron	NA	Inter-State	0%	HT	
17	M/S GREWAL ASSOCIATES (P) LTD.	2 MW	SPONGE IRON	NA	Inter-State	0%	HT	
18	M/S KAMALJEET SINGH AHLUWALIA	20MW(In use)+ 8MW(Currently not in use)	Steel Ptant	NA	Inter-State	0%	HT	
B. Embedded Generation in DISCOM Area								
S.No	Name of Generation Station	Generation Capacity (In MW)	Tytpe of Station (Generation Based-Solid/Liquid/Gas/Renewable/Others)	Type of Contract	Type of Grid	Voltage Level (KV)	Circle Load (MW)	Received at Circle (KVA)
1	1MW (AC) Ground Mounted Solar PV Plant GEDCOL, Takatpur	1 MW	Solar	25 Years	Inter-State	33 KV	1 MW	794

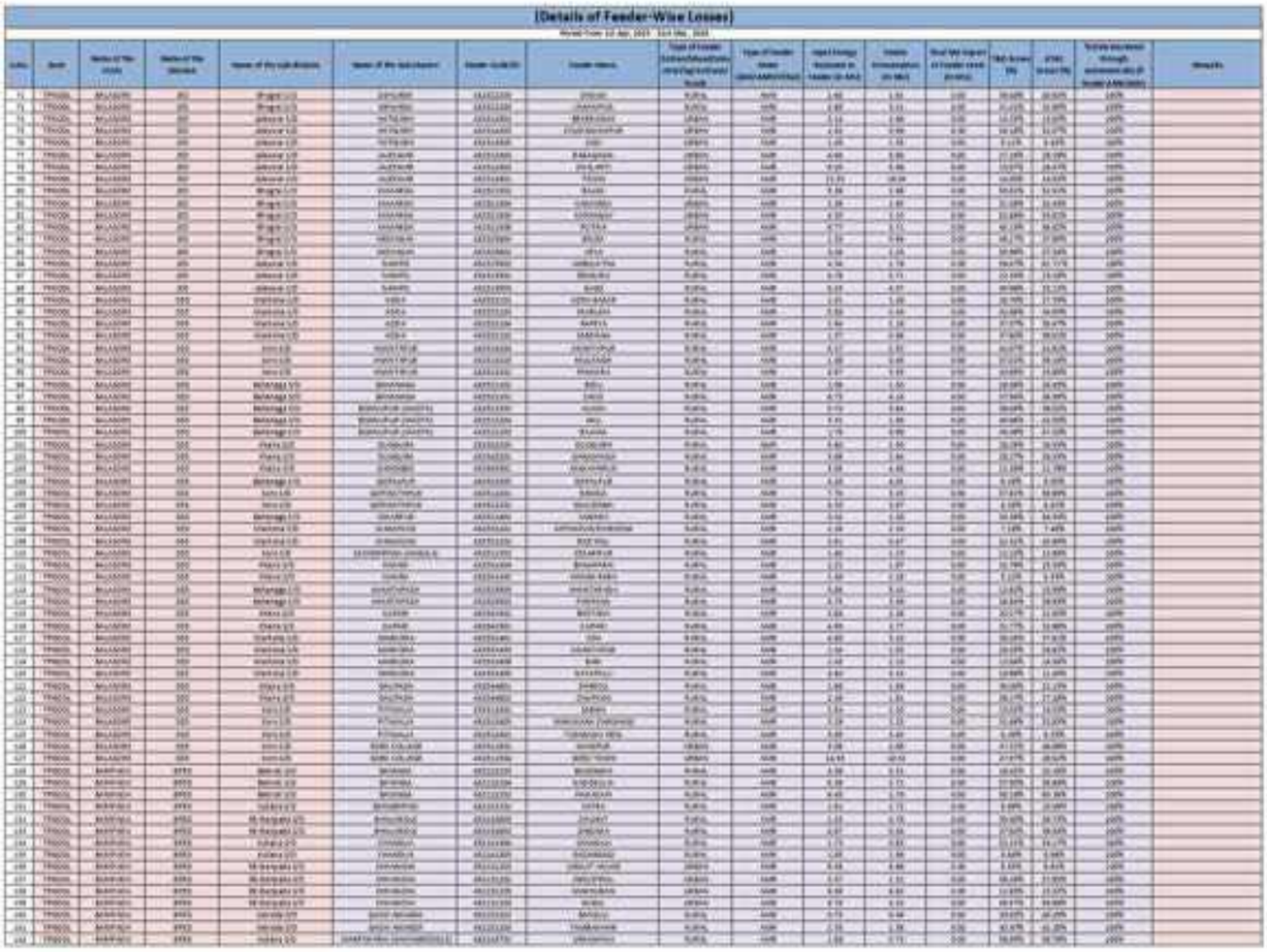
v

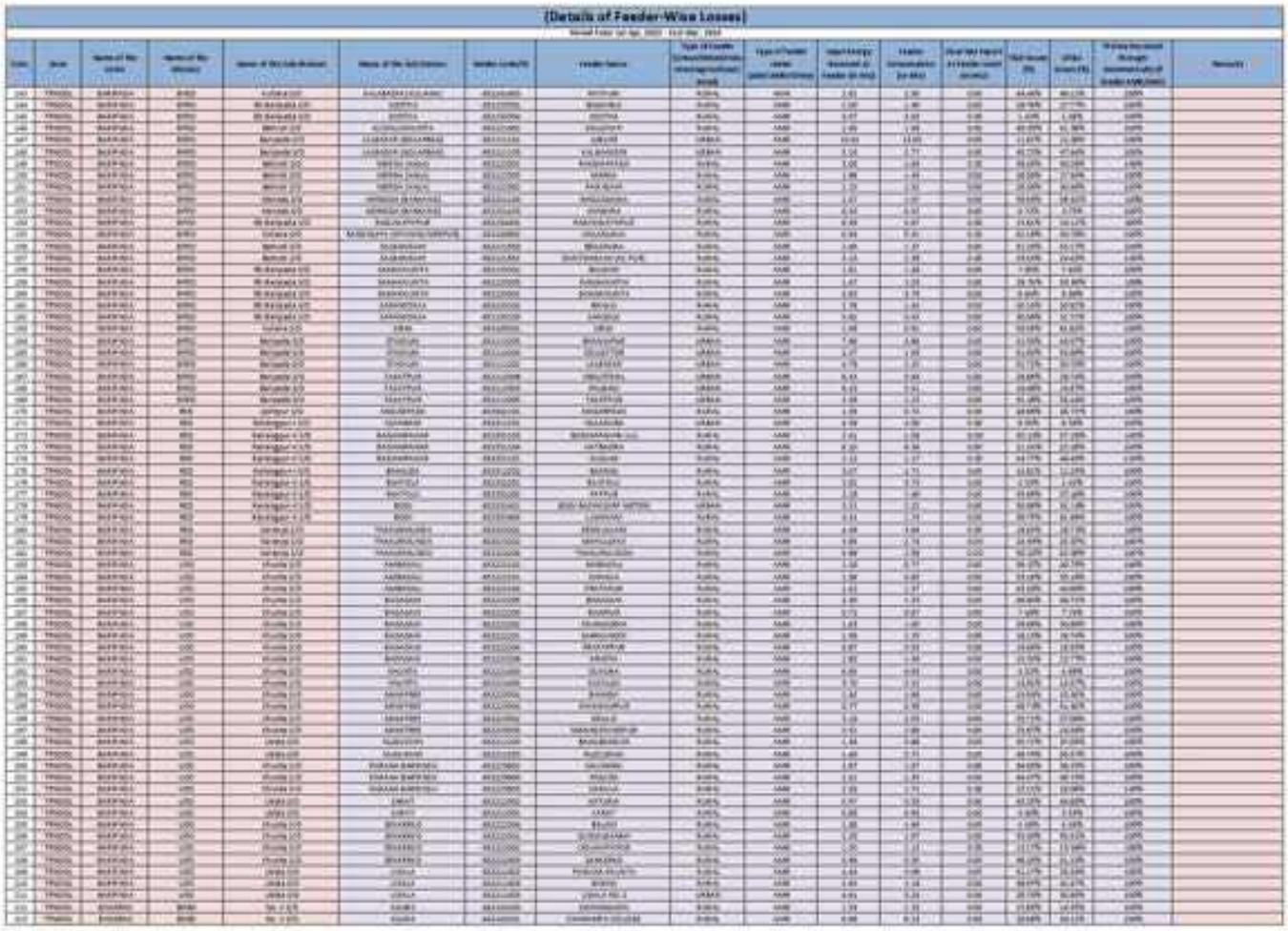
(Details of Consumers)						
Summary of Energy						
Period From 1st Apr, 2023 - 31st Mar, 2024						
S.No	Type of Consumers	Category of Consumers (EHT/HT/LT/ Others)	Voltage Level (In kV)	No of Consumers	Total Consumption (In MU)	Remarks (Source of data)
1	Domestic	LT	(220-440)V	1756009	1455.93	FG Billing Source
2	Kutir Jyoti	LT	(220-440)V	15316	1.38	FG Billing Source
3	L.T. General (Com)	LT	(220-440)V	119207	438.03	FG Billing Source
4	Agriculture	LT	(220-440)V	26474	56.75	FG Billing Source
5	Agro	LT	(220-440)V	3811	45.19	FG Billing Source
6	Allied-Agro	LT	(220-440)V	65	1.54	FG Billing Source
7	Street Lighting	LT	(220-440)V	2017	35.44	FG Billing Source
8	PWW	LT	(220-440)V	5015	58.74	FG Billing Source
9	Small Industry	LT	(220-440)V	4164	18.76	FG Billing Source
10	Medium Industry	LT	(220-440)V	1119	41.41	FG Billing Source
11	Specified Pub. Purpose (P.I.)	LT	(220-440)V	20526	42.21	FG Billing Source
12	Large Industries below 132 kv	HT	(11-33)kV	379	516.26	FG Billing Source
13	Power-intensive Industries	HT	(11-33)kV	0	0.48	FG Billing Source
14	General Purpose	HT	(11-33)kV	148	60.45	FG Billing Source
15	Bulk Supply - Domestic	HT	(11-33)kV	27	16.84	FG Billing Source
16	Public Water Works above 110 KVA	HT	(11-33)kV	38	16.12	FG Billing Source
17	Public Institution	HT	(11-33)kV	52	15.75	FG Billing Source
18	Irrigation	HT	(11-33)kV	10	2.66	FG Billing Source
19	Al- Agro	HT	(11-33)kV	76	18.16	FG Billing Source
20	Al-Agro-Ind	HT	(11-33)kV	16	38.74	FG Billing Source
21	Captive Power Plant	HT	(11-33)kV	2	0.37	FG Billing Source
22	Heavy Industries	EHT	<132kV	4	375.13	FG Billing Source
23	Power-intensive Industries	EHT	<132kV	3	136.13	FG Billing Source
24	Railway Traction	EHT	<132kV	9	480.70	FG Billing Source
25	CPP	EHT	<132kV	2	0.38	FG Billing Source
26	General Purpose	EHT	<132kV	1	87.76	FG Billing Source
27	Large Industries at 132 kv	EHT	<132kV	23	2035.06	FG Billing Source
	TOTAL			**1954513**	**5996.36**	



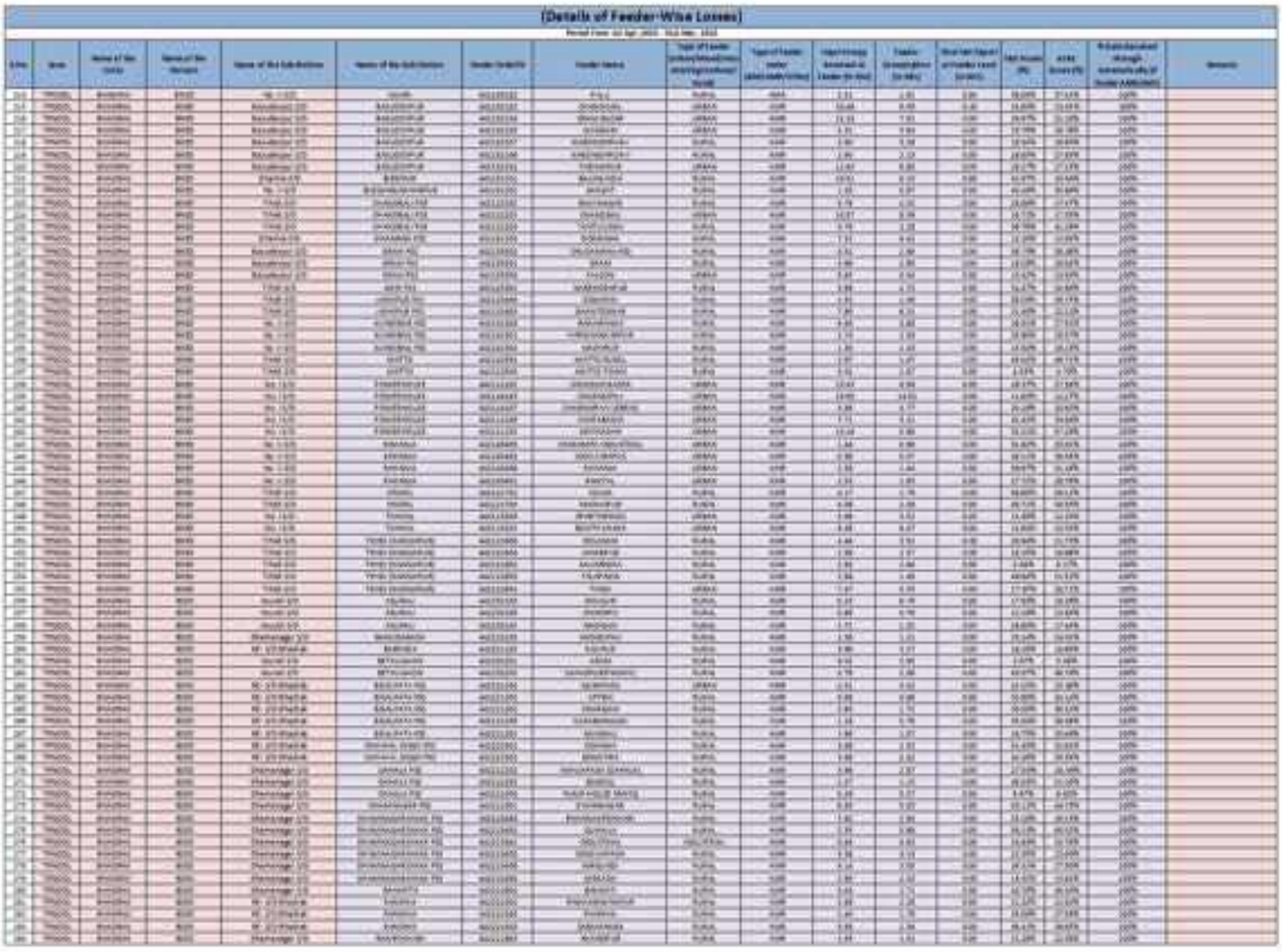
(Details of Feeder-Wise Losses)

(Details of Feeder-Wise Losses)

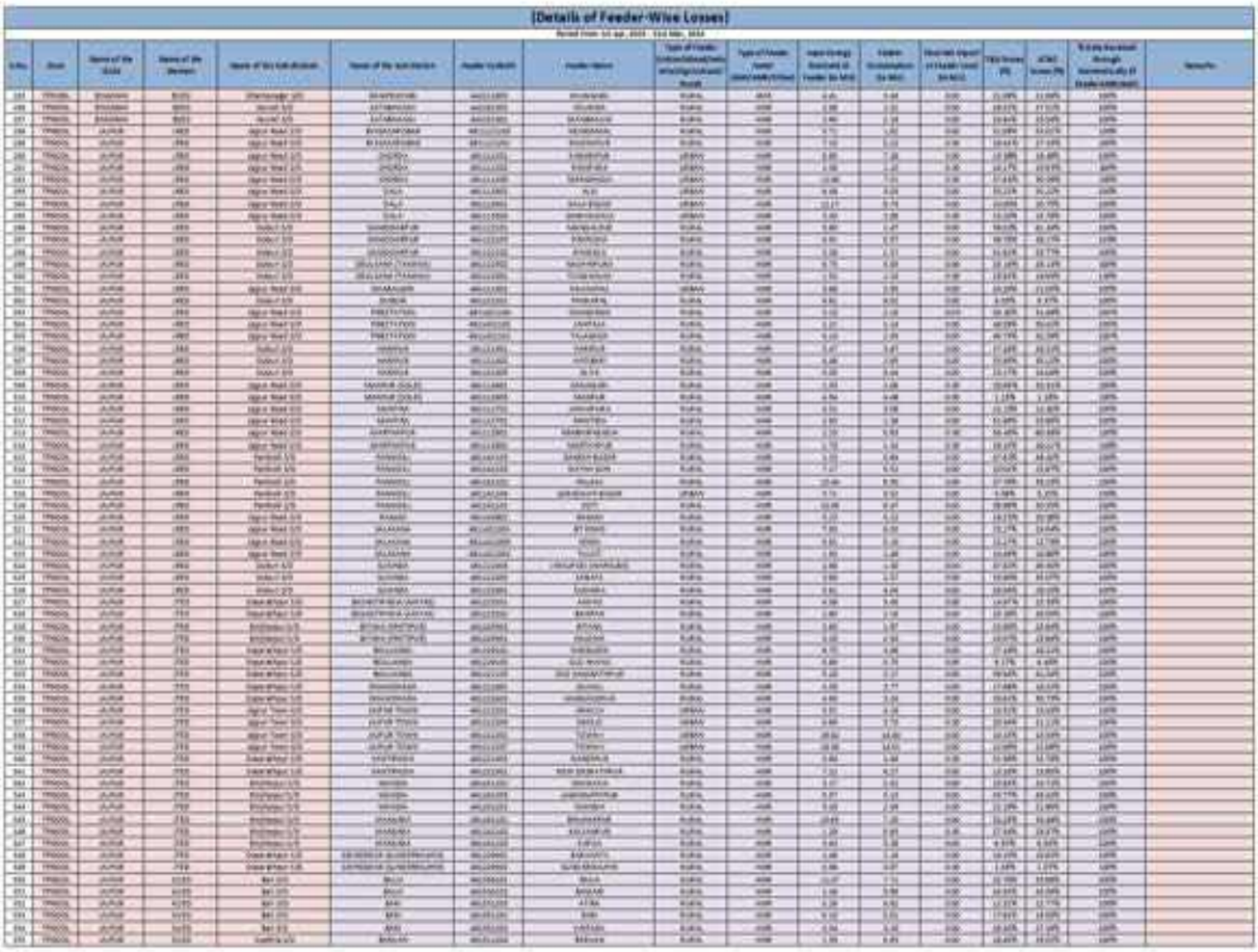




(Details of Feeder-Wise Losses)

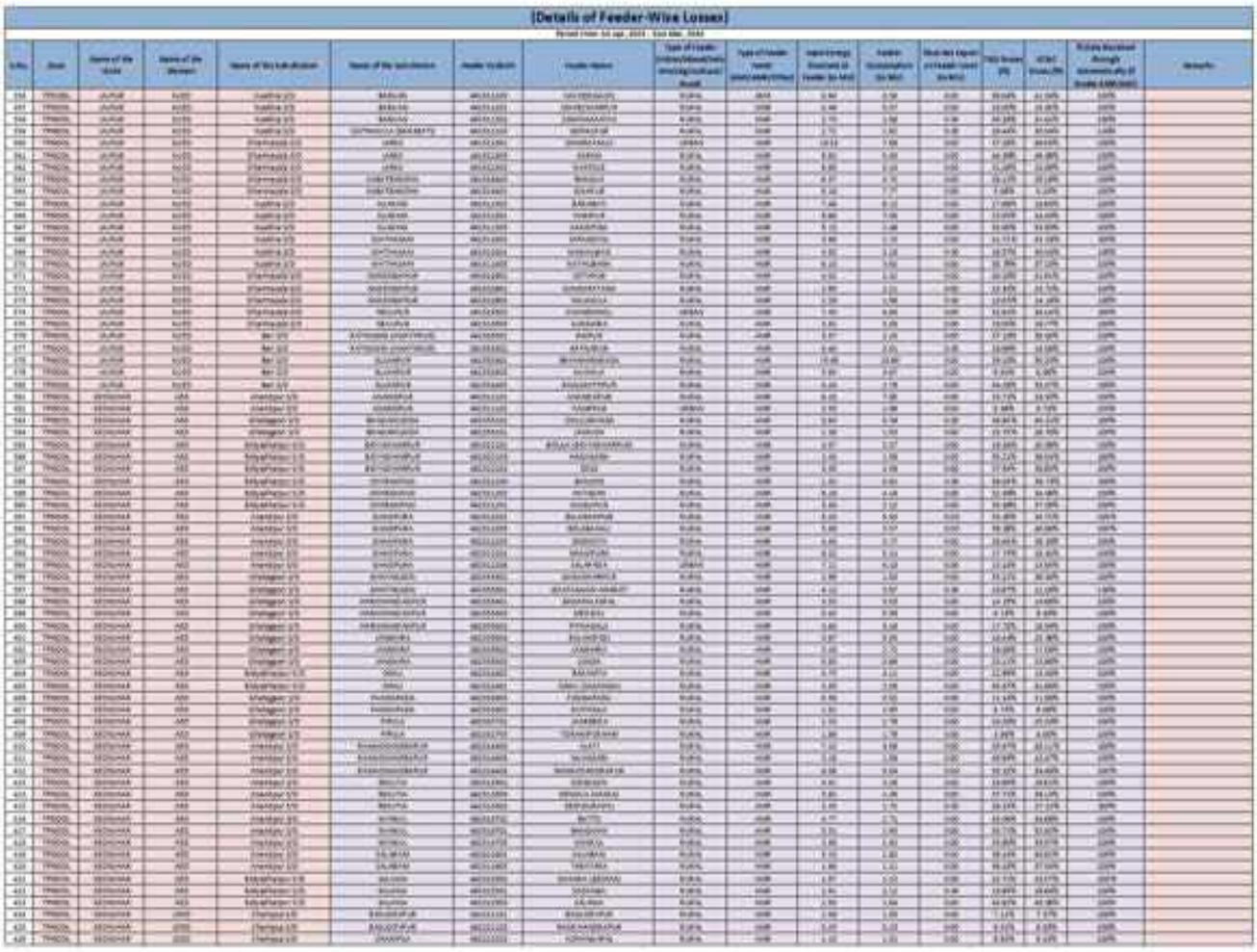


(Details of Feeder-Wise Losses)



(Details of Feeder-Wise Losses)

Period From: 01-Apr-2023 - 31-Mar-2024



[Details of Feeder-Wise Losses]

(Details of Feeder-Wise Losses)

Period From: 01 Apr, 2023 - 31st Mar, 2024

Sr.No.	Area	Name of the Circle	Name of the Division	Name of the Sub-Division	Name of the Sub-Station	Feeder Code/ID	Feeder Name	Type of Feeder (Urban/Mixed/Urban Metro/Agricultural/Rural)	Feeder Voltage (kV)	Input Energy Received at Feeder (in MU)	Feeder Consumption (in MU)	Over Hot Import of Feeder (only for DISCs)	T&C Losses (%)	Total Losses (%)	% Loss Envisaged through Authorized Mix of Feeder (URB/MIX)	Remarks
417	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	DHARMSAL	44111149	DARSHI	URBAN	33KV	1.10	1.09	0.00	0.91%	0.91%	100%	
418	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	KUJANGA	44111150	KANTHAPADA	RURAL	33KV	7.80	7.77	0.00	26.33%	27.69%	100%	
419	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	KUJANGA	44111151	KUJANGA	RURAL	33KV	8.87	8.84	0.00	21.35%	21.47%	100%	
420	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	KUJANGA	44111152	PALAYPADA	RURAL	33KV	7.93	8.40	0.00	17.51%	17.86%	100%	
421	TPNODL	ODISHA AAA	JAJPR	Joda S/S	JODA (PANCHAYAT COLONY)	44111153	BANSPELA	URBAN	33KV	12.35	8.73	0.00	29.49%	31.29%	100%	
422	TPNODL	ODISHA AAA	JAJPR	Joda S/S	JODA (PANCHAYAT COLONY)	44111154	BILASPUR	URBAN	33KV	4.28	3.70	0.00	13.55%	13.55%	100%	
423	TPNODL	ODISHA AAA	JAJPR	Joda S/S	JODA (PANCHAYAT COLONY)	44111155	JODA TOWN	URBAN	33KV	13.00	13.61	0.00	17.07%	17.93%	100%	
424	TPNODL	ODISHA AAA	JAJPR	Joda S/S	JUBILEE	44111156	BANSPANI	RURAL	33KV	12.55	10.58	0.00	15.97%	16.57%	100%	
425	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	KHAIRULI	44111157	BHUSAN	RURAL	33KV	2.23	2.20	0.00	30.93%	31.39%	100%	
426	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	KHAIRULI	44111158	BILIMUNDA	RURAL	33KV	5.80	5.44	0.00	16.93%	17.17%	100%	
427	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	KHAIRULI	44111159	DHATRA	RURAL	33KV	6.56	6.52	0.00	5.78%	5.98%	100%	
428	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	KHAIRULI	44111160	KHAIRULI	RURAL	33KV	3.10	3.01	0.00	16.13%	17.09%	100%	
429	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	KHAIRULI	44111161	KHAIRULI	RURAL	33KV	3.10	2.99	0.00	17.74%	18.17%	100%	
430	TPNODL	ODISHA AAA	JAJPR	Barbil S/S	CHOWKA (RAMPA)	44111162	BARBIL TOWN	URBAN	33KV	13.00	12.48	0.00	3.23%	3.23%	100%	
431	TPNODL	ODISHA AAA	JAJPR	Barbil S/S	CHOWKA (RAMPA)	44111163	BOLANI-1	URBAN	33KV	18.58	17.97	0.00	32.23%	32.23%	100%	
432	TPNODL	ODISHA AAA	JAJPR	Barbil S/S	CHOWKA (RAMPA)	44111164	BOLANI-2	URBAN	33KV	12.34	11.97	0.00	3.00%	3.00%	100%	
433	TPNODL	ODISHA AAA	JAJPR	Barbil S/S	CHOWKA (RAMPA)	44111165	THAKURANI	URBAN	33KV	3.77	2.14	0.00	40.98%	42.29%	100%	
434	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	JAYRAMPUR	44111166	KHAPRAT	RURAL	33KV	1.49	1.48	0.00	11.07%	11.41%	100%	
435	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	JAYRAMPUR	44111167	KUSUMUNDI	RURAL	33KV	1.49	1.28	0.00	24.08%	24.89%	100%	
436	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	JAYRAMPUR	44111168	SAMARPUR	RURAL	33KV	1.58	1.39	0.00	13.07%	13.51%	100%	
437	TPNODL	ODISHA AAA	JAJPR	Dharmasal S/S	JAYRAMPUR	44111169	JAYRAMPUR TOWN	RURAL	33KV	5.96	5.59	0.00	3.57%	3.90%	100%	
438	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BAMANA	44111170	BAMANA	RURAL	33KV	1.48	1.31	0.00	23.79%	24.64%	100%	
439	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BAMANA	44111171	SANJHIRI	RURAL	33KV	1.76	1.51	0.00	17.98%	19.71%	100%	
440	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	HARICHANDANPUR	44111172	HARICHANDANPUR	RURAL	33KV	1.76	1.51	0.00	17.98%	19.71%	100%	
441	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	JUNDA	44111173	DHAL SULAIPAT	URBAN	33KV	1.77	1.75	0.00	34.07%	36.11%	100%	
442	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	JUNDA	44111174	KHARJOMARA	URBAN	33KV	0.20	0.17	0.00	31.17%	32.50%	100%	
443	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	GUTIPOSI	44111175	BADAPOSI	RURAL	33KV	0.90	0.81	0.00	19.08%	27.08%	100%	
444	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	GUTIPOSI	44111176	KANCHIPOSI	RURAL	33KV	0.10	0.10	0.00	30.78%	31.85%	100%	
445	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	MANDAPANA	44111177	MANDAPANA	RURAL	33KV	0.89	0.79	0.00	12.49%	12.70%	100%	
446	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	SRIRAMCHANDRAPUR	44111178	SARAKA	URBAN	33KV	0.33	0.33	0.00	0.30%	0.30%	100%	
447	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	SRIRAMCHANDRAPUR	44111179	SRIRAMPUR KALAN	URBAN	33KV	0.31	0.31	0.00	30.30%	30.37%	100%	
448	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	SRIRAMCHANDRAPUR	44111180	SUKUDI	URBAN	33KV	1.56	1.56	0.00	2.51%	2.51%	100%	
449	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	SRIRAMCHANDRAPUR	44111181	B.R.TOWN-1	URBAN	33KV	24.21	24.27	0.00	11.52%	11.73%	100%	
450	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	SRIRAMCHANDRAPUR	44111182	B.R.TOWN-2	URBAN	33KV	18.61	18.48	0.00	3.48%	4.21%	100%	
451	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	SRIRAMCHANDRAPUR	44111183	B.R.TOWN-3	URBAN	33KV	14.52	13.91	0.00	3.48%	5.19%	100%	
452	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	SRIRAMCHANDRAPUR	44111184	B.R.TOWN-4	URBAN	33KV	1.71	1.70	0.00	11.07%	11.38%	100%	
453	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	KHARTHAPA	44111185	KHARTHAPA	RURAL	33KV	3.56	3.29	0.00	31.19%	31.48%	100%	
454	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	KHARTHAPA	44111186	KHARTHAPA	RURAL	33KV	1.16	1.10	0.00	4.97%	5.18%	100%	
455	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	KUSHAKA	44111187	KENDA	RURAL	33KV	0.70	0.67	0.00	3.77%	10.04%	100%	
456	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	KUSHAKA	44111188	KUSHAKA	RURAL	33KV	0.78	0.72	0.00	9.18%	9.51%	100%	
457	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	MAHANGADA	44111189	BALIGHAGRA	RURAL	33KV	1.27	0.91	0.00	28.48%	37.37%	100%	
458	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	MAHANGADA	44111190	KHAIRAGADA	RURAL	33KV	1.20	0.92	0.00	21.49%	23.33%	100%	
459	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	SALANDIPOSI	44111191	SALANDIPOSI	RURAL	33KV	1.49	1.27	0.00	11.07%	14.89%	100%	
460	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111192	BHUYANPUR	RURAL	33KV	1.49	1.29	0.00	13.07%	13.51%	100%	
461	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111193	KHAPRAT	RURAL	33KV	1.77	1.51	0.00	17.98%	19.71%	100%	
462	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111194	KUSUMUNDI	RURAL	33KV	1.49	1.28	0.00	24.08%	24.89%	100%	
463	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111195	SAMARPUR	RURAL	33KV	1.58	1.39	0.00	13.07%	13.51%	100%	
464	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111196	JAYRAMPUR TOWN	RURAL	33KV	5.96	5.59	0.00	3.57%	3.90%	100%	
465	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111197	SANJHIRI	RURAL	33KV	1.76	1.51	0.00	17.98%	19.71%	100%	
466	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111198	SUKUDI	RURAL	33KV	0.33	0.33	0.00	0.30%	0.30%	100%	
467	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111199	BAMANA	RURAL	33KV	1.48	1.31	0.00	23.79%	24.64%	100%	
468	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111200	HARICHANDANPUR	RURAL	33KV	1.76	1.51	0.00	17.98%	19.71%	100%	
469	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111201	JUNDA	URBAN	33KV	1.77	1.75	0.00	34.07%	36.11%	100%	
470	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111202	KHARJOMARA	URBAN	33KV	0.20	0.17	0.00	31.17%	32.50%	100%	
471	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	GUTIPOSI	44111203	BADAPOSI	RURAL	33KV	0.90	0.81	0.00	19.08%	27.08%	100%	
472	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	GUTIPOSI	44111204	KANCHIPOSI	RURAL	33KV	0.10	0.10	0.00	30.78%	31.85%	100%	
473	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	MANDAPANA	44111205	MANDAPANA	RURAL	33KV	0.89	0.79	0.00	12.49%	12.70%	100%	
474	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	KHARTHAPA	44111206	KHARTHAPA	RURAL	33KV	3.56	3.29	0.00	31.19%	31.48%	100%	
475	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	KHARTHAPA	44111207	KHARTHAPA	RURAL	33KV	1.16	1.10	0.00	4.97%	5.18%	100%	
476	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BAMANA	44111208	SANJHIRI	RURAL	33KV	1.76	1.51	0.00	17.98%	19.71%	100%	
477	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	SALANDIPOSI	44111209	SALANDIPOSI	RURAL	33KV	1.49	1.27	0.00	11.07%	14.89%	100%	
478	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BHUYANPUR	44111210	BHUYANPUR	RURAL	33KV	1.49	1.29	0.00	13.07%	13.51%	100%	
479	TPNODL	ODISHA AAA	KEO	Turiloniguda S/S	KHARTHAPA	44111211	KHARTHAPA	RURAL	33KV	3.56	3.29	0.00	31.19%	31.48%	100%	
480	TPNODL	ODISHA AAA	KEO	Kio. / Keonjhar S/S	BAMANA	44111212	SANJHIRI	RURAL	33KV	1.76	1.51	0.00	17.98%	19.71%	100%	

Details of DT-wise losses (please add more rows as per requirement)

A. Division wise status of DT level metering (please add more rows as per requirement)

(Please fill the data for each division during the reporting period)

Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	No. of metered DTs: AMR metered (communicable)	No. of metered DTs: AMI metered (communicable)	No. of metered DTs: Non-AMR/AMI metered (non-communicable)	No. of DTs with functional meters: Communicating (Total No. out of 7 and 8)	No. of DTs with functional meters: Non-communicating (Total No. out of 7, 8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
1	BALASORE	BED, Balasore	ALUPUR	11	-	NA	11	-	11	-	The figure of 8,802 no's of DTs are related to DTs having capacity 100kVA and above which has been metered. Till Q4, 100kVA and above DTs of 711 no's of feeders were metered and details of the same were provided. Feeder wise details of Unmetered DTs are currently not available. NA: Not Applicable
2	BALASORE	BED, Balasore	BALARAMGADI	8	-	NA	8	-	8	-	
3	BALASORE	BED, Balasore	BALASORE-I	32	-	NA	32	-	32	-	
4	BALASORE	BED, Balasore	BALASORE-II	3	-	NA	3	-	3	-	
5	BALASORE	BED, Balasore	BALIA	22	-	NA	22	-	22	-	
6	BALASORE	BED, Balasore	BARABANDHSIR	11	-	NA	11	-	11	-	
7	BALASORE	BED, Balasore	BUS STAND	10	-	NA	10	-	10	-	
8	BALASORE	BED, Balasore	CITY CLINIC	2	-	NA	2	-	2	-	
9	BALASORE	BED, Balasore	CITY SUNHAT	13	-	NA	13	-	13	-	
10	BALASORE	BED, Balasore	COLLECTRATE FEEDER	28	-	NA	28	-	28	-	
11	BALASORE	BED, Balasore	DAMODARPUR	22	-	NA	22	-	22	-	
12	BALASORE	BED, Balasore	GABAGADIA	4	-	NA	4	-	4	-	
13	BALASORE	BED, Balasore	INDUSTRIAL	10	-	NA	10	-	10	-	
14	BALASORE	BED, Balasore	INDUSTRIAL-1	2	-	NA	2	-	2	-	
15	BALASORE	BED, Balasore	INDUSTRIAL-2	18	-	NA	18	-	18	-	
16	BALASORE	BED, Balasore	KURUDA	61	-	NA	61	-	61	-	
17	BALASORE	BED, Balasore	MAKALPUR	12	-	NA	12	-	12	-	
18	BALASORE	BED, Balasore	MOTIGANJ	30	-	NA	30	-	30	-	
19	BALASORE	BED, Balasore	MOHIPADA	2	-	NA	2	-	2	-	
20	BALASORE	BED, Balasore	NUASAHI	11	-	NA	11	-	11	-	
21	BALASORE	BED, Balasore	PHANDI CHHAKA	7	-	NA	7	-	7	-	
22	BALASORE	BED, Balasore	PURUNA BALESWAR	3	-	NA	3	-	3	-	
23	BALASORE	BED, Balasore	RADHAGADIA	2	-	NA	2	-	2	-	
24	BALASORE	BED, Balasore	RANAGAN	8	-	NA	8	-	8	-	
25	BALASORE	BED, Balasore	RANIPATANA	21	-	NA	21	-	21	-	
26	BALASORE	BED, Balasore	SAHADEVKHUNTA	35	-	NA	35	-	35	-	
27	BALASORE	BED, Balasore	SAMALPUR	8	-	NA	8	-	8	-	
28	BALASORE	BED, Balasore	SATYANAGAR	28	-	NA	28	-	28	-	
29	BALASORE	BED, Balasore	SUELPUR	24	-	NA	24	-	24	-	
30	BALASORE	BED, Balasore	SUNHAT	25	-	NA	25	-	25	-	
31	BALASORE	BED, Balasore	UTTAL/SANGRAM	19	-	NA	19	-	19	-	
32	BALASORE	BED, Balasore	TOWN	12	-	NA	12	-	12	-	
33	BALASORE	BTED, Basta	AMARDA (Sundipur)	3	-	NA	3	-	3	-	
34	BALASORE	BTED, Basta	BALIAPAL	27	-	NA	27	-	27	-	
35	BALASORE	BTED, Basta	BANKISIPAL	14	-	NA	14	-	14	-	
36	BALASORE	BTED, Basta	BASTA	5	-	NA	5	-	5	-	
37	BALASORE	BTED, Basta	CHACDIA	9	-	NA	9	-	9	-	
38	BALASORE	BTED, Basta	CHAKIPADA	11	-	NA	11	-	11	-	
39	BALASORE	BTED, Basta	HEAD QUARTER	19	-	NA	19	-	19	-	
40	BALASORE	BTED, Basta	KHAIRANAPADA	7	-	NA	7	-	7	-	
41	BALASORE	BTED, Basta	KHAPARAPADA	25	-	NA	25	-	25	-	
42	BALASORE	BTED, Basta	KUSUDIHA	18	-	NA	18	-	18	-	
43	BALASORE	BTED, Basta	LANGLESWAR NEW	5	-	NA	5	-	5	-	
44	BALASORE	BTED, Basta	LANGLESWAR OLD	12	-	NA	12	-	12	-	
45	BALASORE	BTED, Basta	MACHHADANDA	19	-	NA	19	-	19	-	
46	BALASORE	BTED, Basta	MANIKCHHA	4	-	NA	4	-	4	-	
47	BALASORE	BTED, Basta	MATHANI	8	-	NA	8	-	8	-	
48	BALASORE	BTED, Basta	MUKULISI	20	-	NA	20	-	20	-	
49	BALASORE	BTED, Basta	NAMLOSI-1	10	-	NA	10	-	10	-	
50	BALASORE	BTED, Basta	NAMLOSI-2	1	-	NA	1	-	1	-	
51	BALASORE	BTED, Basta	NALISAON	1	-	NA	1	-	1	-	
52	BALASORE	BTED, Basta	OLADIHA	4	-	NA	4	-	4	-	
53	BALASORE	BTED, Basta	PALASABUJ	14	-	NA	14	-	14	-	
54	BALASORE	BTED, Basta	PRATAPUR	19	-	NA	19	-	19	-	
55	BALASORE	BTED, Basta	RASALPUR	4	-	NA	4	-	4	-	

Details of DT-wise losses (please add more rows as per requirement)											
A. Division wise status of DT level metering (please add more rows as per requirement)											
(Please fill the data for each division during the reporting period)											
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	No. of metered DTs			No. of DTs with functional meters		Remarks
						AMR metered (communicable)	AMI metered (communicable)	Non-AMR/AMI metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
56	BALASORE	BTED, Basta	RATO	4	-	NA	4	-	4	-	
57	BALASORE	BTED, Basta	LAXTHA	49	-	NA	49	-	49	-	
58	BALASORE	BTED, Basta	SINDLA	2	-	NA	2	-	2	-	
59	BALASORE	BTED, Basta	UTALIHN	6	-	NA	6	-	6	-	
60	BALASORE	BTED, Basta	VELLORE	37	-	NA	37	-	37	-	
61	BALASORE	CED, Balasore	AJODHYA	11	-	NA	11	-	11	-	
62	BALASORE	CED, Balasore	ARABA	10	-	NA	10	-	10	-	
63	BALASORE	CED, Balasore	AMBARECHHA	14	-	NA	14	-	14	-	
64	BALASORE	CED, Balasore	BAHABALPUR	12	-	NA	12	-	12	-	
65	BALASORE	CED, Balasore	BARDHANPUR	7	-	NA	7	-	7	-	
66	BALASORE	CED, Balasore	BARPADA	8	-	NA	8	-	8	-	
67	BALASORE	CED, Balasore	BERHAMPUR	14	-	NA	14	-	14	-	
68	BALASORE	CED, Balasore	BHIMPUR	2	-	NA	2	-	2	-	
69	BALASORE	CED, Balasore	BIOTEC	5	-	NA	5	-	5	-	
70	BALASORE	CED, Balasore	CIPET	8	-	NA	8	-	8	-	
71	BALASORE	CED, Balasore	DHANASANCH RASAMPUR	27	-	NA	27	-	27	-	
72	BALASORE	CED, Balasore	DURGADEVI	14	-	NA	14	-	14	-	
73	BALASORE	CED, Balasore	FULADI	17	-	NA	17	-	17	-	
74	BALASORE	CED, Balasore	GOVPUR	4	-	NA	4	-	4	-	
75	BALASORE	CED, Balasore	GOPINATH	14	-	NA	14	-	14	-	
76	BALASORE	CED, Balasore	GOURPUR	16	-	NA	16	-	16	-	
77	BALASORE	CED, Balasore	GUHIRA	8	-	NA	8	-	8	-	
78	BALASORE	CED, Balasore	HALADIPADA	84	-	NA	84	-	84	-	
79	BALASORE	CED, Balasore	HATASAHI	2	-	NA	2	-	2	-	
80	BALASORE	CED, Balasore	INDUSTRIAL	1	-	NA	1	-	1	-	
81	BALASORE	CED, Balasore	JANAKIPARA(Baliapal)	23	-	NA	23	-	23	-	
82	BALASORE	CED, Balasore	KARNA	1	-	NA	1	-	1	-	
83	BALASORE	CED, Balasore	KANSA-BYOSHYA(KACHHALA)	28	-	NA	28	-	28	-	
84	BALASORE	CED, Balasore	KASAFALA	12	-	NA	12	-	12	-	
85	BALASORE	CED, Balasore	KHADAL	5	-	NA	5	-	5	-	
86	BALASORE	CED, Balasore	KULGAON	14	-	NA	14	-	14	-	
87	BALASORE	CED, Balasore	MANIKAPUR	8	-	NA	8	-	8	-	
88	BALASORE	CED, Balasore	MAKHAPADA(MEDICINAL)	5	-	NA	5	-	5	-	
89	BALASORE	CED, Balasore	MALITAHI	4	-	NA	4	-	4	-	
90	BALASORE	CED, Balasore	MITHALI	5	-	NA	5	-	5	-	
91	BALASORE	CED, Balasore	MITRAPUR	13	-	NA	13	-	13	-	
92	BALASORE	CED, Balasore	NAGRAM	13	-	NA	13	-	13	-	
93	BALASORE	CED, Balasore	NIALIGRI	13	-	NA	13	-	13	-	
94	BALASORE	CED, Balasore	NOH	2	-	NA	2	-	2	-	
95	BALASORE	CED, Balasore	NUAPADA	8	-	NA	8	-	8	-	
96	BALASORE	CED, Balasore	PADAMPUR	11	-	NA	11	-	11	-	
97	BALASORE	CED, Balasore	PANCHALINGESWAR	39	-	NA	39	-	39	-	
98	BALASORE	CED, Balasore	PATARA	2	-	NA	2	-	2	-	
99	BALASORE	CED, Balasore	RAJNAGAR	13	-	NA	13	-	13	-	
100	BALASORE	CED, Balasore	RASALPUR	12	-	NA	12	-	12	-	
101	BALASORE	CED, Balasore	REMUNA	64	-	NA	64	-	64	-	
102	BALASORE	CED, Balasore	SAJNAGARH	19	-	NA	19	-	19	-	
103	BALASORE	CED, Balasore	SINAGAN	15	-	NA	15	-	15	-	
104	BALASORE	CED, Balasore	SALIN	18	-	NA	18	-	18	-	
105	BALASORE	CED, Balasore	SRIJANG	8	-	NA	8	-	8	-	
106	BALASORE	CED, Balasore	SRIRAMPUR	3	-	NA	3	-	3	-	
107	BALASORE	CED, Balasore	TELIPAL (DEAD)	5	-	NA	5	-	5	-	
108	BALASORE	CED, Balasore	TUNDRA	8	-	NA	8	-	8	-	
109	BALASORE	JED, Jaleswar	ALALBINDHA	11	-	NA	11	-	11	-	
110	BALASORE	JED, Jaleswar	AMBUATHA	10	-	NA	10	-	10	-	

Details of DT-wise losses (please add more rows as per requirement)											
A. Division wise status of DT level metering (please add more rows as per requirement)											
(Please fill the data for each division during the reporting period)											
						No. of metered DTs			No. of DTs with functional meters		
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	AMR metered (communicable)	AMI metered (communicable)	Non-AMR/AMI metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
111	BALASORE	EED, Jaleswar	BALIM	18	-	NA	18	-	18	-	
112	BALASORE	EED, Jaleswar	BASUDEVA	18	-	NA	18	-	18	-	
113	BALASORE	EED, Jaleswar	BEHERAGAN	15	-	NA	10	-	10	-	
114	BALASORE	EED, Jaleswar	BEDDA	3	-	NA	3	-	3	-	
115	BALASORE	EED, Jaleswar	BHUSUNI	12	-	NA	12	-	12	-	
116	BALASORE	EED, Jaleswar	CHALANTI	13	-	NA	13	-	13	-	
117	BALASORE	EED, Jaleswar	CHANDANESWAR	35	-	NA	35	-	35	-	
118	BALASORE	EED, Jaleswar	CHAUNI	12	-	NA	12	-	12	-	
119	BALASORE	EED, Jaleswar	DHUDAMANIPUR	2	-	NA	2	-	2	-	
120	BALASORE	EED, Jaleswar	DIHUDIBA (TOWN)	10	-	NA	10	-	10	-	
121	BALASORE	EED, Jaleswar	DIMILIRA	15	-	NA	15	-	15	-	
122	BALASORE	EED, Jaleswar	DELLIA	40	-	NA	40	-	40	-	
123	BALASORE	EED, Jaleswar	GANDIA	11	-	NA	11	-	11	-	
124	BALASORE	EED, Jaleswar	JAIRAMPUR	13	-	NA	13	-	13	-	
125	BALASORE	EED, Jaleswar	KAMARDA	8	-	NA	8	-	8	-	
126	BALASORE	EED, Jaleswar	KHALABADIA	19	-	NA	19	-	19	-	
127	BALASORE	EED, Jaleswar	KHALABADIA (BARTANA)	12	-	NA	12	-	12	-	
128	BALASORE	EED, Jaleswar	KHOADA	9	-	NA	9	-	9	-	
129	BALASORE	EED, Jaleswar	KUSUDA	14	-	NA	14	-	14	-	
130	BALASORE	EED, Jaleswar	MAHASARI	10	-	NA	10	-	10	-	
131	BALASORE	EED, Jaleswar	MAKHULIA-1	11	-	NA	11	-	11	-	
132	BALASORE	EED, Jaleswar	MAKHULIA-2	9	-	NA	9	-	9	-	
133	BALASORE	EED, Jaleswar	MEGHAL	3	-	NA	3	-	3	-	
134	BALASORE	EED, Jaleswar	NAMAYPUR	17	-	NA	17	-	17	-	
135	BALASORE	EED, Jaleswar	PANDASIA	16	-	NA	16	-	16	-	
136	BALASORE	EED, Jaleswar	PATANA	19	-	NA	19	-	19	-	
137	BALASORE	EED, Jaleswar	RAJNAGAR	8	-	NA	8	-	8	-	
138	BALASORE	EED, Jaleswar	RANKOTHA	11	-	NA	11	-	11	-	
139	BALASORE	EED, Jaleswar	SAGY	9	-	NA	9	-	9	-	
140	BALASORE	EED, Jaleswar	SALIKOTRA	21	-	NA	21	-	21	-	
141	BALASORE	EED, Jaleswar	SOSO	19	-	NA	19	-	19	-	
142	BALASORE	EED, Jaleswar	TOWN	78	-	NA	78	-	78	-	
143	BALASORE	EED, Jaleswar	UPALA	11	-	NA	11	-	11	-	
144	BALASORE	EED, Soro	ADA	11	-	NA	11	-	11	-	
145	BALASORE	EED, Soro	ADA BAZAR	4	-	NA	4	-	4	-	
146	BALASORE	EED, Soro	ALADA	12	-	NA	12	-	12	-	
147	BALASORE	EED, Soro	ANANTAPUR	15	-	NA	15	-	15	-	
148	BALASORE	EED, Soro	ANANTAPUR	4	-	NA	4	-	4	-	
149	BALASORE	EED, Soro	ANDIRA	10	-	NA	10	-	10	-	
150	BALASORE	EED, Soro	ANJI	9	-	NA	9	-	9	-	
151	BALASORE	EED, Soro	ARJUNPUR	5	-	NA	5	-	5	-	
152	BALASORE	EED, Soro	ATTAPUR	14	-	NA	14	-	14	-	
153	BALASORE	EED, Soro	BADAPOKHARI	4	-	NA	4	-	4	-	
154	BALASORE	EED, Soro	BADAPOKHARI	14	-	NA	14	-	14	-	
155	BALASORE	EED, Soro	BAHANGA	4	-	NA	4	-	4	-	
156	BALASORE	EED, Soro	BAMDA	8	-	NA	8	-	8	-	
157	BALASORE	EED, Soro	BANAPARA	10	-	NA	10	-	10	-	
158	BALASORE	EED, Soro	BANKA	11	-	NA	11	-	11	-	
159	BALASORE	EED, Soro	BARAPUR	3	-	NA	3	-	3	-	
160	BALASORE	EED, Soro	BARI	10	-	NA	10	-	10	-	
161	BALASORE	EED, Soro	BARKHU	9	-	NA	9	-	9	-	
162	BALASORE	EED, Soro	BARTANA	7	-	NA	7	-	7	-	
163	BALASORE	EED, Soro	BAUSHAGANA	4	-	NA	4	-	4	-	
164	BALASORE	EED, Soro	BESURIA	13	-	NA	13	-	13	-	
165	BALASORE	EED, Soro	BOGU	4	-	NA	4	-	4	-	

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A. Division wise status of DT level metering (please add more rows as per requirement)											
(Please fill the data for each division during the reporting period)											
						No. of metered DTs			No. of DTs with functional meters		
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	AMR metered (communicable)	AMI metered (communicable)	Non-AMR/AMI metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
166	BALASORE	SED, Soro	RAMCHIPUR	9	-	NA	9	-	9	-	
167	BALASORE	SED, Soro	BUDULIPUR	5	-	NA	5	-	5	-	
168	BALASORE	SED, Soro	CHANDANDOCHHI	2	-	NA	2	-	2	-	
169	BALASORE	SED, Soro	DARIKHOLI	6	-	NA	6	-	6	-	
170	BALASORE	SED, Soro	DUNGURA	20	-	NA	20	-	20	-	
171	BALASORE	SED, Soro	GADA	3	-	NA	3	-	3	-	
172	BALASORE	SED, Soro	GANDIBED	31	-	NA	31	-	31	-	
173	BALASORE	SED, Soro	GAMABED	13	-	NA	13	-	13	-	
174	BALASORE	SED, Soro	JAMBANIKA	9	-	NA	9	-	9	-	
175	BALASORE	SED, Soro	GUDA (BISHNUPUR)	10	-	NA	10	-	10	-	
176	BALASORE	SED, Soro	GOPALPUR	14	-	NA	14	-	14	-	
177	BALASORE	SED, Soro	JAMUNAGADI (Jalad)	1	-	NA	1	-	1	-	
178	BALASORE	SED, Soro	JAMUNAGADI BAZAR	4	-	NA	4	-	4	-	
179	BALASORE	SED, Soro	JAMUNAGADI RICE MILL	1	-	NA	1	-	1	-	
180	BALASORE	SED, Soro	JATAL	2	-	NA	2	-	2	-	
181	BALASORE	SED, Soro	KAMARPAL	5	-	NA	5	-	5	-	
182	BALASORE	SED, Soro	KESHARIPUR	9	-	NA	9	-	9	-	
183	BALASORE	SED, Soro	KHAIRA BABA	7	-	NA	7	-	7	-	
184	BALASORE	SED, Soro	KHANTAPADA	28	-	NA	28	-	28	-	
185	BALASORE	SED, Soro	Khirkona	23	-	NA	23	-	23	-	
186	BALASORE	SED, Soro	KUPARI	5	-	NA	5	-	5	-	
187	BALASORE	SED, Soro	MADHAVPUR	13	-	NA	13	-	13	-	
188	BALASORE	SED, Soro	MAHALTI	1	-	NA	1	-	1	-	
189	BALASORE	SED, Soro	MANGALPUR	6	-	NA	6	-	6	-	
190	BALASORE	SED, Soro	MANGALPUR	9	-	NA	9	-	9	-	
191	BALASORE	SED, Soro	MANGALPUR	5	-	NA	5	-	5	-	
192	BALASORE	SED, Soro	MANIPUR	19	-	NA	19	-	19	-	
193	BALASORE	SED, Soro	MULAGADIA	7	-	NA	7	-	7	-	
194	BALASORE	SED, Soro	MULISINGH	46	-	NA	46	-	46	-	
195	BALASORE	SED, Soro	MURUAA	4	-	NA	4	-	4	-	
196	BALASORE	SED, Soro	NEW BISHNUPUR	5	-	NA	5	-	5	-	
197	BALASORE	SED, Soro	NUAPALLI	17	-	NA	17	-	17	-	
198	BALASORE	SED, Soro	OUPADA	3	-	NA	3	-	3	-	
199	BALASORE	SED, Soro	PAKHAR	21	-	NA	21	-	21	-	
200	BALASORE	SED, Soro	PANPANA	27	-	NA	27	-	27	-	
201	BALASORE	SED, Soro	RAMkrishnapur (Jalad)	10	-	NA	10	-	10	-	
202	BALASORE	SED, Soro	RAPETA	12	-	NA	12	-	12	-	
203	BALASORE	SED, Soro	RUPAKHANDA	4	-	NA	4	-	4	-	
204	BALASORE	SED, Soro	SABARNA	10	-	NA	10	-	10	-	
205	BALASORE	SED, Soro	SABIRA	10	-	NA	10	-	10	-	
206	BALASORE	SED, Soro	SARSANG	12	-	NA	12	-	12	-	
207	BALASORE	SED, Soro	SALO	28	-	NA	28	-	28	-	
208	BALASORE	SED, Soro	TORUTOWN	99	-	NA	99	-	99	-	
209	BALASORE	SED, Soro	TALAMAHAR	2	-	NA	2	-	2	-	
210	BALASORE	SED, Soro	TUDIGADIA NEW	17	-	NA	17	-	17	-	
211	BALASORE	SED, Soro	UTTARESWAR	20	-	NA	20	-	20	-	
212	BALASORE	SED, Soro	JATIYAPALLA	7	-	NA	7	-	7	-	
213	BARIPADA	BPED, Baripada	AMARDA	7	-	NA	7	-	7	-	
214	BARIPADA	BPED, Baripada	AMBIKA	23	-	NA	23	-	23	-	
215	BARIPADA	BPED, Baripada	ANKURAGADA	10	-	NA	10	-	10	-	
216	BARIPADA	BPED, Baripada	BACHURIPADA	10	-	NA	10	-	10	-	
217	BARIPADA	BPED, Baripada	BANCHA	3	-	NA	3	-	3	-	
218	BARIPADA	BPED, Baripada	BANCHANGANA	2	-	NA	2	-	2	-	
219	BARIPADA	BPED, Baripada	BAISINGHA	12	-	NA	12	-	12	-	
220	BARIPADA	BPED, Baripada	BALDIHA	2	-	NA	2	-	2	-	

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						No. of metered DTs			No. of DTs with functional meters		
From Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	AMR metered (communicable)	AMR metered (communicable)	Non-AMR/AMR metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
121	BARIPADA	BPD2, Baripada	BANGRIPOSI	9	-	NA	9	-	9	-	
122	BARIPADA	BPD2, Baripada	BANGRIPOSI	1	-	NA	1	-	1	-	
123	BARIPADA	BPD2, Baripada	BOMPURA	4	-	NA	4	-	4	-	
124	BARIPADA	BPD2, Baripada	BRINDOTTOWN	17	-	NA	17	-	17	-	
125	BARIPADA	BPD2, Baripada	Bring-II	5	-	NA	5	-	5	-	
126	BARIPADA	BPD2, Baripada	BRINGAPUR	10	-	NA	10	-	10	-	
127	BARIPADA	BPD2, Baripada	BRINGINDIA	4	-	NA	4	-	4	-	
128	BARIPADA	BPD2, Baripada	CHITRADA	16	-	NA	16	-	16	-	
129	BARIPADA	BPD2, Baripada	CHUNARI	1	-	NA	1	-	1	-	
130	BARIPADA	BPD2, Baripada	CIRCUIT HOUSE	18	-	NA	18	-	18	-	
131	BARIPADA	BPD2, Baripada	COLLECTOR	8	-	NA	8	-	8	-	
132	BARIPADA	BPD2, Baripada	DANKOTE	7	-	NA	7	-	7	-	
133	BARIPADA	BPD2, Baripada	DARJEELING	2	-	NA	2	-	2	-	
134	BARIPADA	BPD2, Baripada	DELHI	1	-	NA	1	-	1	-	
135	BARIPADA	BPD2, Baripada	DELHI	4	-	NA	4	-	4	-	
136	BARIPADA	BPD2, Baripada	DUDDULIA	10	-	NA	10	-	10	-	
137	BARIPADA	BPD2, Baripada	INDUSTRIAL	4	-	NA	4	-	4	-	
138	BARIPADA	BPD2, Baripada	INDUSTRIAL	1	-	NA	1	-	1	-	
139	BARIPADA	BPD2, Baripada	JALADA	1	-	NA	1	-	1	-	
140	BARIPADA	BPD2, Baripada	JEERAGHADIA	16	-	NA	16	-	16	-	
141	BARIPADA	BPD2, Baripada	JHINKIRIA	2	-	NA	2	-	2	-	
142	BARIPADA	BPD2, Baripada	JUDISHMENDIR	1	-	NA	1	-	1	-	
143	BARIPADA	BPD2, Baripada	JUNA	1	-	NA	1	-	1	-	
144	BARIPADA	BPD2, Baripada	JUNAPI	23	-	NA	23	-	23	-	
145	BARIPADA	BPD2, Baripada	KALIMANDIR	1	-	NA	1	-	1	-	
146	BARIPADA	BPD2, Baripada	KASAFALIA	9	-	NA	9	-	9	-	
147	BARIPADA	BPD2, Baripada	KATRINA	3	-	NA	3	-	3	-	
148	BARIPADA	BPD2, Baripada	KAUDIA	7	-	NA	7	-	7	-	
149	BARIPADA	BPD2, Baripada	KEPUR	1	-	NA	1	-	1	-	
150	BARIPADA	BPD2, Baripada	KESELI	1	-	NA	1	-	1	-	
151	BARIPADA	BPD2, Baripada	KHUNTABANDAU	8	-	NA	8	-	8	-	
152	BARIPADA	BPD2, Baripada	KOCHEAKHUNTA	4	-	NA	4	-	4	-	
153	BARIPADA	BPD2, Baripada	KOTTNA	3	-	NA	3	-	3	-	
154	BARIPADA	BPD2, Baripada	KULIANA	1	-	NA	1	-	1	-	
155	BARIPADA	BPD2, Baripada	KULIANA	23	-	NA	23	-	23	-	
156	BARIPADA	BPD2, Baripada	KUSUMKANDHA(DIHA)	7	-	NA	7	-	7	-	
157	BARIPADA	BPD2, Baripada	LAL BAZAR	3	-	NA	3	-	3	-	
158	BARIPADA	BPD2, Baripada	LIC	14	-	NA	14	-	14	-	
159	BARIPADA	BPD2, Baripada	MADHUNIA	23	-	NA	23	-	23	-	
160	BARIPADA	BPD2, Baripada	MAHADA	9	-	NA	9	-	9	-	
161	BARIPADA	BPD2, Baripada	MERUA	3	-	NA	3	-	3	-	
162	BARIPADA	BPD2, Baripada	MOHUDA	9	-	NA	9	-	9	-	
163	BARIPADA	BPD2, Baripada	PANKAPAT	11	-	NA	11	-	11	-	
164	BARIPADA	BPD2, Baripada	PALBANI	3	-	NA	3	-	3	-	
165	BARIPADA	BPD2, Baripada	PARIJUA	9	-	NA	9	-	9	-	
166	BARIPADA	BPD2, Baripada	PATKURI	9	-	NA	9	-	9	-	
167	BARIPADA	BPD2, Baripada	POWERHOUSE	3	-	NA	3	-	3	-	
168	BARIPADA	BPD2, Baripada	RAIRANGPUR	18	-	NA	18	-	18	-	
169	BARIPADA	BPD2, Baripada	RAJAGOBINDAPUR	7	-	NA	7	-	7	-	
170	BARIPADA	BPD2, Baripada	RURAL	18	-	NA	18	-	18	-	
171	BARIPADA	BPD2, Baripada	RURAL	4	-	NA	4	-	4	-	
172	BARIPADA	BPD2, Baripada	RURAL	14	-	NA	14	-	14	-	
173	BARIPADA	BPD2, Baripada	RURAL PDR	14	-	NA	14	-	14	-	
174	BARIPADA	BPD2, Baripada	SAHICLE	2	-	NA	2	-	2	-	
175	BARIPADA	BPD2, Baripada	SAMARAM	9	-	NA	9	-	9	-	

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						No. of metered DTs			No. of DTs with functional meters		
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	AMR metered (communicable)	AMI metered (communicable)	Non-AMR/AMI metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
176	BARIPADA	BPTD, Baripada	SARASANA	5	-	NA	5	-	5	-	
177	BARIPADA	BPTD, Baripada	SHAKTAKHUNTA	7	-	NA	7	-	7	-	
178	BARIPADA	BPTD, Baripada	SINGHEE	10	-	NA	10	-	10	-	
179	BARIPADA	BPTD, Baripada	SINGUA	1	-	NA	1	-	1	-	
180	BARIPADA	BPTD, Baripada	SIRSA	7	-	NA	7	-	7	-	
181	BARIPADA	BPTD, Baripada	SULIAPADA	8	-	NA	8	-	8	-	
182	BARIPADA	BPTD, Baripada	SUSHRUTA ISLE	4	-	NA	4	-	4	-	
183	BARIPADA	BPTD, Baripada	TARATPUR	3	-	NA	3	-	3	-	
184	BARIPADA	BPTD, Baripada	TEMBHUNI	3	-	NA	3	-	3	-	
185	BARIPADA	RED, Rairangpur	ANJATUNA	18	-	NA	18	-	18	-	
186	BARIPADA	RED, Rairangpur	BADAMTALLA	11	-	NA	11	-	11	-	
187	BARIPADA	RED, Rairangpur	BAKAITA TOWN	11	-	NA	11	-	11	-	
188	BARIPADA	RED, Rairangpur	BALIDA	11	-	NA	11	-	11	-	
189	BARIPADA	RED, Rairangpur	BHANJAGH	8	-	NA	8	-	8	-	
190	BARIPADA	RED, Rairangpur	BIJOY NAGAR	7	-	NA	7	-	7	-	
191	BARIPADA	RED, Rairangpur	CHAMPUHAR	5	-	NA	5	-	5	-	
192	BARIPADA	RED, Rairangpur	DALIMA	4	-	NA	4	-	4	-	
193	BARIPADA	RED, Rairangpur	DUDULABEDA	19	-	NA	19	-	19	-	
194	BARIPADA	RED, Rairangpur	FAKU	8	-	NA	8	-	8	-	
195	BARIPADA	RED, Rairangpur	GOLEI	12	-	NA	12	-	12	-	
196	BARIPADA	RED, Rairangpur	GOBUMAHULAN	7	-	NA	7	-	7	-	
197	BARIPADA	RED, Rairangpur	GOBUMAHULAN BAZAR	8	-	NA	8	-	8	-	
198	BARIPADA	RED, Rairangpur	HETSUDRA	8	-	NA	8	-	8	-	
199	BARIPADA	RED, Rairangpur	INDUSTRIAL	3	-	NA	3	-	3	-	
200	BARIPADA	RED, Rairangpur	JAIPUR	2	-	NA	2	-	2	-	
201	BARIPADA	RED, Rairangpur	JAMADA	5	-	NA	5	-	5	-	
202	BARIPADA	RED, Rairangpur	JANDA	3	-	NA	3	-	3	-	
203	BARIPADA	RED, Rairangpur	JAPUR	4	-	NA	4	-	4	-	
204	BARIPADA	RED, Rairangpur	JHARIPOSH	7	-	NA	7	-	7	-	
205	BARIPADA	RED, Rairangpur	JOYPUR	21	-	NA	21	-	21	-	
206	BARIPADA	RED, Rairangpur	KAIPUR	2	-	NA	2	-	2	-	
207	BARIPADA	RED, Rairangpur	KARANJATOWN	17	-	NA	17	-	17	-	
208	BARIPADA	RED, Rairangpur	KENDUBANI	15	-	NA	15	-	15	-	
209	BARIPADA	RED, Rairangpur	KERSERA	12	-	NA	12	-	12	-	
210	BARIPADA	RED, Rairangpur	KHEYANI	4	-	NA	4	-	4	-	
211	BARIPADA	RED, Rairangpur	KUSPOV	13	-	NA	13	-	13	-	
212	BARIPADA	RED, Rairangpur	KUTUNY	3	-	NA	3	-	3	-	
213	BARIPADA	RED, Rairangpur	LOCAL TOWN FEEDER	3	-	NA	3	-	3	-	
214	BARIPADA	RED, Rairangpur	MALPUR	16	-	NA	16	-	16	-	
215	BARIPADA	RED, Rairangpur	MARWICHAK	9	-	NA	9	-	9	-	
216	BARIPADA	RED, Rairangpur	MATIGARH	9	-	NA	9	-	9	-	
217	BARIPADA	RED, Rairangpur	NAKHANDA	2	-	NA	2	-	2	-	
218	BARIPADA	RED, Rairangpur	NEW KHOIA	2	-	NA	2	-	2	-	
219	BARIPADA	RED, Rairangpur	RAIRANGPUR TOWN	18	-	NA	18	-	18	-	
220	BARIPADA	RED, Rairangpur	RAMJAN	10	-	NA	10	-	10	-	
221	BARIPADA	RED, Rairangpur	SUKRULI	10	-	NA	10	-	10	-	
222	BARIPADA	RED, Rairangpur	TANGARIA	4	-	NA	4	-	4	-	
223	BARIPADA	RED, Rairangpur	TATO	14	-	NA	14	-	14	-	
224	BARIPADA	RED, Rairangpur	THAKURMUNDA	12	-	NA	12	-	12	-	
225	BARIPADA	RED, Rairangpur	THENG	9	-	NA	9	-	9	-	
226	BARIPADA	UED, Udala	BAHADALI	4	-	NA	4	-	4	-	
227	BARIPADA	UED, Udala	BAJARAHI	10	-	NA	10	-	10	-	
228	BARIPADA	UED, Udala	BANJHIMUNDA	4	-	NA	4	-	4	-	
229	BARIPADA	UED, Udala	BELAHI	9	-	NA	9	-	9	-	
230	BARIPADA	UED, Udala	BHIMGA	6	-	NA	6	-	6	-	

Details of DT wise losses (please add more rows as per requirement)											
A. Division wise status of DT level metering (please add more rows as per requirement)											
(Please fill the data for each division during the reporting period)											
						No. of metered DTs			No. of DTs with functional meters		
Form Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of unmetered DTs	AMR metered (communicable)	AMI metered (communicable)	Non-AMR/AMI metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
331	BARIPADA	UED, Udala	DEULIA	5	-	NA	5	-	5	-	
332	BARIPADA	UED, Udala	DUHURIA	14	-	NA	14	-	14	-	
333	BARIPADA	UED, Udala	JAGANNATHPUR	14	-	NA	14	-	14	-	
334	BARIPADA	UED, Udala	KALO	2	-	NA	2	-	2	-	
335	BARIPADA	UED, Udala	RAPATIPADA-1	7	-	NA	7	-	7	-	
336	BARIPADA	UED, Udala	RAPATIPADA-2	5	-	NA	5	-	5	-	
337	BARIPADA	UED, Udala	KHUNTA	7	-	NA	7	-	7	-	
338	BARIPADA	UED, Udala	KUMARIA	7	-	NA	7	-	7	-	
339	BARIPADA	UED, Udala	KUSHRADA	14	-	NA	14	-	14	-	
340	BARIPADA	UED, Udala	MAHAGOBINDAPUR	8	-	NA	8	-	8	-	
341	BARIPADA	UED, Udala	MANATRI	7	-	NA	7	-	7	-	
342	BARIPADA	UED, Udala	MAROCHAI	8	-	NA	8	-	8	-	
343	BARIPADA	UED, Udala	NUDURIPA	6	-	NA	6	-	6	-	
344	BARIPADA	UED, Udala	PAGUDA	10	-	NA	10	-	10	-	
345	BARIPADA	UED, Udala	PEDAGADI	9	-	NA	9	-	9	-	
346	BARIPADA	UED, Udala	PRATAPUR	3	-	NA	3	-	3	-	
347	BARIPADA	UED, Udala	PRATAPUR	2	-	NA	2	-	2	-	
348	BARIPADA	UED, Udala	PURUNABARIPADA	8	-	NA	8	-	8	-	
349	BARIPADA	UED, Udala	PURUNAJHORTA	4	-	NA	4	-	4	-	
350	BARIPADA	UED, Udala	RAGHO	7	-	NA	7	-	7	-	
351	BARIPADA	UED, Udala	SARISULA	5	-	NA	5	-	5	-	
352	BARIPADA	UED, Udala	SARAT	8	-	NA	8	-	8	-	
353	BARIPADA	UED, Udala	SARAT NEW	2	-	NA	2	-	2	-	
354	BARIPADA	UED, Udala	SIMANGUDA	8	-	NA	8	-	8	-	
355	BARIPADA	UED, Udala	SINGTIA	2	-	NA	2	-	2	-	
356	BARIPADA	UED, Udala	UDALA	23	-	NA	23	-	23	-	
357	BARIPADA	UED, Udala	UDALA-II	17	-	NA	17	-	17	-	
358	BARIPADA	UED, Udala	UDALA-III	11	-	NA	11	-	11	-	
359	BHADRAK	BNED, Bhadrak	BAGUDHI	5	-	NA	5	-	5	-	
360	BHADRAK	BNED, Bhadrak	BALARUGA	6	-	NA	6	-	6	-	
361	BHADRAK	BNED, Bhadrak	AGUTI	8	-	NA	8	-	8	-	
362	BHADRAK	BNED, Bhadrak	ANGARAPADA	1	-	NA	1	-	1	-	
363	BHADRAK	BNED, Bhadrak	BARABANGA	16	-	NA	16	-	16	-	
364	BHADRAK	BNED, Bhadrak	BHEJADA	18	-	NA	18	-	18	-	
365	BHADRAK	BNED, Bhadrak	BANTHENAM	179	-	NA	179	-	179	-	
366	BHADRAK	BNED, Bhadrak	BARANAPUR	11	-	NA	11	-	11	-	
367	BHADRAK	BNED, Bhadrak	BASAPUR	26	-	NA	26	-	26	-	
368	BHADRAK	BNED, Bhadrak	BAUTPUR	1	-	NA	1	-	1	-	
369	BHADRAK	BNED, Bhadrak	BESENPUR	9	-	NA	9	-	9	-	
370	BHADRAK	BNED, Bhadrak	BILTANAGAR	19	-	NA	19	-	19	-	
371	BHADRAK	BNED, Bhadrak	BHARA	10	-	NA	10	-	10	-	
372	BHADRAK	BNED, Bhadrak	BODAK	4	-	NA	4	-	4	-	
373	BHADRAK	BNED, Bhadrak	CHANDBALI	27	-	NA	27	-	27	-	
374	BHADRAK	BNED, Bhadrak	CHANDAN BAZAR	9	-	NA	9	-	9	-	
375	BHADRAK	BNED, Bhadrak	CHANDIGAON	2	-	NA	2	-	2	-	
376	BHADRAK	BNED, Bhadrak	CHANDRAPADA	13	-	NA	13	-	13	-	
377	BHADRAK	BNED, Bhadrak	DHARAMPA COLLEGE	19	-	NA	19	-	19	-	
378	BHADRAK	BNED, Bhadrak	DHARAMPA-I	31	-	NA	31	-	31	-	
379	BHADRAK	BNED, Bhadrak	CHARAMPA	8	-	NA	8	-	8	-	
380	BHADRAK	BNED, Bhadrak	DHUSURI	6	-	NA	6	-	6	-	
381	BHADRAK	BNED, Bhadrak	DOLACHHA	7	-	NA	7	-	7	-	
382	BHADRAK	BNED, Bhadrak	DOLASAHI	14	-	NA	14	-	14	-	
383	BHADRAK	BNED, Bhadrak	DESINGA	14	-	NA	14	-	14	-	
384	BHADRAK	BNED, Bhadrak	ERAM	20	-	NA	20	-	20	-	
385	BHADRAK	BNED, Bhadrak	TIHIDI BAZAR	30	-	NA	30	-	30	-	

Details of DT-wise losses (please add more rows as per requirement)											
A. Division wise status of DT level metering (please add more rows as per requirement)											
(Please fill the data for each division during the reporting period)											
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	No. of metered DTs			No. of DTs with functional meters		Remarks
						AMR metered (communicable)	AMI metered (communicable)	Non-AMR/AMI metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
386	BHADRAK	BNED, Bhadrak	ERON	18	-	NA	18	-	18	-	
387	BHADRAK	BNED, Bhadrak	FALCON	1	-	NA	1	-	1	-	
388	BHADRAK	BNED, Bhadrak	GHANTESWAR	13	-	NA	13	-	13	-	
389	BHADRAK	BNED, Bhadrak	HARIHARANPUR	9	-	NA	9	-	9	-	
390	BHADRAK	BNED, Bhadrak	JCCI	12	-	NA	12	-	12	-	
391	BHADRAK	BNED, Bhadrak	JAGANNATHPUR	10	-	NA	10	-	10	-	
392	BHADRAK	BNED, Bhadrak	JUHARPUR	8	-	NA	8	-	8	-	
393	BHADRAK	BNED, Bhadrak	KACHERIBAZAR	5	-	NA	5	-	5	-	
394	BHADRAK	BNED, Bhadrak	KALIKSHA	12	-	NA	12	-	12	-	
395	BHADRAK	BNED, Bhadrak	KAMANA	3	-	NA	3	-	3	-	
396	BHADRAK	BNED, Bhadrak	KANTABANIA	8	-	NA	8	-	8	-	
397	BHADRAK	BNED, Bhadrak	KAPANADIA	13	-	NA	13	-	13	-	
398	BHADRAK	BNED, Bhadrak	KARNIPOKHARI	5	-	NA	5	-	5	-	
399	BHADRAK	BNED, Bhadrak	KHAIRANG	4	-	NA	4	-	4	-	
400	BHADRAK	BNED, Bhadrak	KOLHA	8	-	NA	8	-	8	-	
401	BHADRAK	BNED, Bhadrak	MAA BHADRAKALI	16	-	NA	16	-	16	-	
402	BHADRAK	BNED, Bhadrak	MANDARI	15	-	NA	15	-	15	-	
403	BHADRAK	BNED, Bhadrak	MADHODWAR	8	-	NA	8	-	8	-	
404	BHADRAK	BNED, Bhadrak	MATHASAHI	14	-	NA	14	-	14	-	
405	BHADRAK	BNED, Bhadrak	MATTO TOWN	6	-	NA	6	-	6	-	
406	BHADRAK	BNED, Bhadrak	NACHIPUR	6	-	NA	6	-	6	-	
407	BHADRAK	BNED, Bhadrak	NARASINGHAPUR I	23	-	NA	23	-	23	-	
408	BHADRAK	BNED, Bhadrak	NARASINGHAPUR II	18	-	NA	18	-	18	-	
409	BHADRAK	BNED, Bhadrak	NARENDRAPUR	13	-	NA	13	-	13	-	
410	BHADRAK	BNED, Bhadrak	NUNDOR	1	-	NA	1	-	1	-	
411	BHADRAK	BNED, Bhadrak	PADMAPUR	46	-	NA	46	-	46	-	
412	BHADRAK	BNED, Bhadrak	PIRHAT	9	-	NA	9	-	9	-	
413	BHADRAK	BNED, Bhadrak	PIRHAT	2	-	NA	2	-	2	-	
414	BHADRAK	BNED, Bhadrak	POLI	7	-	NA	7	-	7	-	
415	BHADRAK	BNED, Bhadrak	RANANJA	12	-	NA	12	-	12	-	
416	BHADRAK	BNED, Bhadrak	RANITAL	5	-	NA	5	-	5	-	
417	BHADRAK	BNED, Bhadrak	SAHARAPUR	54	-	NA	54	-	54	-	
418	BHADRAK	BNED, Bhadrak	SANKAT	10	-	NA	10	-	10	-	
419	BHADRAK	BNED, Bhadrak	SANTHIA	11	-	NA	11	-	11	-	
420	BHADRAK	BNED, Bhadrak	TAAN	20	-	NA	20	-	20	-	
421	BHADRAK	BNED, Bhadrak	TALAPADA	16	-	NA	16	-	16	-	
422	BHADRAK	BNED, Bhadrak	TENTULIDIHI	7	-	NA	7	-	7	-	
423	BHADRAK	BNED, Bhadrak	TIHIDI	15	-	NA	15	-	15	-	
424	BHADRAK	BNED, Bhadrak	TEGULIPUR	2	-	NA	2	-	2	-	
425	BHADRAK	BNED, Bhadrak	UPARTIMADHA	10	-	NA	10	-	10	-	
426	BHADRAK	BSED, Bhadrak	AGARPADA	18	-	NA	18	-	18	-	
427	BHADRAK	BSED, Bhadrak	AKHUAPADA(Sabalia)	15	-	NA	15	-	15	-	
428	BHADRAK	BSED, Bhadrak	ANAND BAZAR	6	-	NA	6	-	6	-	
429	BHADRAK	BSED, Bhadrak	ANANDPUR	12	-	NA	12	-	12	-	
430	BHADRAK	BSED, Bhadrak	ANDHEIRPALA	3	-	NA	3	-	3	-	
431	BHADRAK	BSED, Bhadrak	APTIMA	3	-	NA	3	-	3	-	
432	BHADRAK	BSED, Bhadrak	ARADI	30	-	NA	30	-	30	-	
433	BHADRAK	BSED, Bhadrak	ARNAPALA	32	-	NA	32	-	32	-	
434	BHADRAK	BSED, Bhadrak	BEHULABANDA	1	-	NA	1	-	1	-	
435	BHADRAK	BSED, Bhadrak	BHADAL	8	-	NA	8	-	8	-	
436	BHADRAK	BSED, Bhadrak	BANDHATIA	17	-	NA	17	-	17	-	
437	BHADRAK	BSED, Bhadrak	BARAPADA	5	-	NA	5	-	5	-	
438	BHADRAK	BSED, Bhadrak	BETADA	1	-	NA	1	-	1	-	
439	BHADRAK	BSED, Bhadrak	BHAGAVANPUR	6	-	NA	6	-	6	-	
440	BHADRAK	BSED, Bhadrak	BHANDARIPOKHARI	11	-	NA	11	-	11	-	

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(Please fill the data for each division during the reporting period)											
						No. of metered DTs			No. of DTs with functional meters		
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	AMR metered (communicable)	AMI metered (communicable)	Non-AMR/AMI metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
441	BHADRAK	BSED, Bhadrak	CHANBALI	6	-	NA	6	-	6	-	
442	BHADRAK	BSED, Bhadrak	CHHAGUDIPUR	6	-	NA	6	-	6	-	
443	BHADRAK	BSED, Bhadrak	CHARAMPA	12	-	NA	12	-	12	-	
444	BHADRAK	BSED, Bhadrak	DHAMNAGAR	32	-	NA	32	-	32	-	
445	BHADRAK	BSED, Bhadrak	DHUSURI	33	-	NA	33	-	33	-	
446	BHADRAK	BSED, Bhadrak	GORAL	18	-	NA	18	-	18	-	
447	BHADRAK	BSED, Bhadrak	GUHALIA	5	-	NA	5	-	5	-	
448	BHADRAK	BSED, Bhadrak	INDUSTRIAL	2	-	NA	2	-	2	-	
449	BHADRAK	BSED, Bhadrak	JHARASIA	4	-	NA	4	-	4	-	
450	BHADRAK	BSED, Bhadrak	MOHABARANGA	5	-	NA	5	-	5	-	
451	BHADRAK	BSED, Bhadrak	KAUPUR	5	-	NA	5	-	5	-	
452	BHADRAK	BSED, Bhadrak	KENDUAPADA	12	-	NA	12	-	12	-	
453	BHADRAK	BSED, Bhadrak	KHANGARA	20	-	NA	20	-	20	-	
454	BHADRAK	BSED, Bhadrak	KHARIDAHIA	2	-	NA	2	-	2	-	
455	BHADRAK	BSED, Bhadrak	KOTUSAI	4	-	NA	4	-	4	-	
456	BHADRAK	BSED, Bhadrak	KULANA	5	-	NA	5	-	5	-	
457	BHADRAK	BSED, Bhadrak	MALDA	2	-	NA	2	-	2	-	
458	BHADRAK	BSED, Bhadrak	MANJURI ROAD	10	-	NA	10	-	10	-	
459	BHADRAK	BSED, Bhadrak	MANJURI ROAD NEW	12	-	NA	12	-	12	-	
460	BHADRAK	BSED, Bhadrak	MUNDALI	15	-	NA	15	-	15	-	
461	BHADRAK	BSED, Bhadrak	NADIGAN	8	-	NA	8	-	8	-	
462	BHADRAK	BSED, Bhadrak	NINUJRI	14	-	NA	14	-	14	-	
463	BHADRAK	BSED, Bhadrak	ODANGA	8	-	NA	8	-	8	-	
464	BHADRAK	BSED, Bhadrak	OLAMA	14	-	NA	14	-	14	-	
465	BHADRAK	BSED, Bhadrak	RANAKHIA	5	-	NA	5	-	5	-	
466	BHADRAK	BSED, Bhadrak	RAMASUBHAPUR	1	-	NA	1	-	1	-	
467	BHADRAK	BSED, Bhadrak	BARDIA	5	-	NA	5	-	5	-	
468	BHADRAK	BSED, Bhadrak	SANDHYA ROAD NEW	12	-	NA	12	-	12	-	
469	BHADRAK	BSED, Bhadrak	BRAHMARASIA	5	-	NA	5	-	5	-	
470	BHADRAK	BSED, Bhadrak	SARADA	9	-	NA	9	-	9	-	
471	BHADRAK	BSED, Bhadrak	SATRAMASUDI	7	-	NA	7	-	7	-	
472	BHADRAK	BSED, Bhadrak	SENETIAR	13	-	NA	13	-	13	-	
473	BHADRAK	BSED, Bhadrak	TALIA	5	-	NA	5	-	5	-	
474	JAJPUR	JRED, Jajpur Road	KAMATA	6	-	NA	6	-	6	-	
475	JAJPUR	JRED, Jajpur Road	ADHAKAM(SAMO)	4	-	NA	4	-	4	-	
476	JAJPUR	JRED, Jajpur Road	ALIS	7	-	NA	7	-	7	-	
477	JAJPUR	JRED, Jajpur Road	ANTPLOBA	5	-	NA	5	-	5	-	
478	JAJPUR	JRED, Jajpur Road	AROHAN	2	-	NA	2	-	2	-	
479	JAJPUR	JRED, Jajpur Road	ANKULA	5	-	NA	5	-	5	-	
480	JAJPUR	JRED, Jajpur Road	BERTHANDAGADA	9	-	NA	9	-	9	-	
481	JAJPUR	JRED, Jajpur Road	BAZAR	18	-	NA	18	-	18	-	
482	JAJPUR	JRED, Jajpur Road	BYEPASS NEW	22	-	NA	22	-	22	-	
483	JAJPUR	JRED, Jajpur Road	CHANDIKHOLA	4	-	NA	4	-	4	-	
484	JAJPUR	JRED, Jajpur Road	DALABAZAR	46	-	NA	46	-	46	-	
485	JAJPUR	JRED, Jajpur Road	DANGADI	11	-	NA	11	-	11	-	
486	JAJPUR	JRED, Jajpur Road	DHABALAGIRI	27	-	NA	27	-	27	-	
487	JAJPUR	JRED, Jajpur Road	DUBURI	12	-	NA	12	-	12	-	
488	JAJPUR	JRED, Jajpur Road	GANESH BAZAR	7	-	NA	7	-	7	-	
489	JAJPUR	JRED, Jajpur Road	HARIPUR	26	-	NA	26	-	26	-	
490	JAJPUR	JRED, Jajpur Road	HATIBARI	12	-	NA	12	-	12	-	
491	JAJPUR	JRED, Jajpur Road	JAPATALA	6	-	NA	6	-	6	-	
492	JAJPUR	JRED, Jajpur Road	JAKHAPURA	15	-	NA	15	-	15	-	
493	JAJPUR	JRED, Jajpur Road	KALIAPANI	23	-	NA	23	-	23	-	
494	JAJPUR	JRED, Jajpur Road	KORI (NEW)	20	-	NA	20	-	20	-	
495	JAJPUR	JRED, Jajpur Road	KUMBHIRAGADIA	9	-	NA	9	-	9	-	

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(Please fill the data for each division during the reporting period)											
						No. of metered DTs			No. of DTs with functional meters		
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	AMR metered (communicable)	AMI metered (communicable)	Non AMR/AMI metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
496	JAIPUR	JPED, Jaipur Road	MANAPUR	7	-	NA	7	-	7	-	
497	JAIPUR	JPED, Jaipur Road	MANGALPUR	5	-	NA	5	-	5	-	
498	JAIPUR	JPED, Jaipur Road	MANTRA	9	-	NA	9	-	9	-	
499	JAIPUR	JPED, Jaipur Road	MARTHPUR	6	-	NA	6	-	6	-	
500	JAIPUR	JPED, Jaipur Road	MUNDAMALA	8	-	NA	8	-	8	-	
501	JAIPUR	JPED, Jaipur Road	NALYAPURA	18	-	NA	18	-	18	-	
502	JAIPUR	JPED, Jaipur Road	NATHUGH	23	-	NA	23	-	23	-	
503	JAIPUR	JPED, Jaipur Road	NAWTHAL COLONY	6	-	NA	6	-	6	-	
504	JAIPUR	JPED, Jaipur Road	PALASIA	12	-	NA	12	-	12	-	
505	JAIPUR	JPED, Jaipur Road	PANKARAI	22	-	NA	22	-	22	-	
506	JAIPUR	JPED, Jaipur Road	PIPLIDA	6	-	NA	6	-	6	-	
507	JAIPUR	JPED, Jaipur Road	RAITHPUR	16	-	NA	16	-	16	-	
508	JAIPUR	JPED, Jaipur Road	RAILADI	19	-	NA	19	-	19	-	
509	JAIPUR	JPED, Jaipur Road	RAMPADA	3	-	NA	3	-	3	-	
510	JAIPUR	JPED, Jaipur Road	RARDOLI	4	-	NA	4	-	4	-	
511	JAIPUR	JPED, Jaipur Road	SAKHALPILLA	18	-	NA	18	-	18	-	
512	JAIPUR	JPED, Jaipur Road	SAPADA DA	30	-	NA	30	-	30	-	
513	JAIPUR	JPED, Jaipur Road	SARVARTI BARA	4	-	NA	4	-	4	-	
514	JAIPUR	JPED, Jaipur Road	SOLI	11	-	NA	11	-	11	-	
515	JAIPUR	JPED, Jaipur Road	SOLI	12	-	NA	12	-	12	-	
516	JAIPUR	JPED, Jaipur Road	SUMADA	13	-	NA	13	-	13	-	
517	JAIPUR	JPED, Jaipur Road	TALALARI	16	-	NA	16	-	16	-	
518	JAIPUR	JPED, Jaipur Road	TARKI	7	-	NA	7	-	7	-	
519	JAIPUR	JPED, Jaipur Road	TEJSHALI	5	-	NA	5	-	5	-	
520	JAIPUR	JPED, Jaipur Road	TEJSHALI	3	-	NA	3	-	3	-	
521	JAIPUR	JPED, Jaipur Road	TULAS	6	-	NA	6	-	6	-	
522	JAIPUR	JTED, Jaipur Town	AMBAS	15	-	NA	15	-	15	-	
523	JAIPUR	JTED, Jaipur Town	AMBOLA	10	-	NA	10	-	10	-	
524	JAIPUR	JTED, Jaipur Town	ARNI	7	-	NA	7	-	7	-	
525	JAIPUR	JTED, Jaipur Town	BADHANA	28	-	NA	28	-	28	-	
526	JAIPUR	JTED, Jaipur Town	BAGPAN	28	-	NA	28	-	28	-	
527	JAIPUR	JTED, Jaipur Town	BAMANIYA	5	-	NA	5	-	5	-	
528	JAIPUR	JTED, Jaipur Town	BANSANPUR	60	-	NA	60	-	60	-	
529	JAIPUR	JTED, Jaipur Town	BHALAKHEDI	15	-	NA	15	-	15	-	
530	JAIPUR	JTED, Jaipur Town	BOHA	12	-	NA	12	-	12	-	
531	JAIPUR	JTED, Jaipur Town	CHOSARA	8	-	NA	8	-	8	-	
532	JAIPUR	JTED, Jaipur Town	CHTAI-2	7	-	NA	7	-	7	-	
533	JAIPUR	JTED, Jaipur Town	DHAMPUR	6	-	NA	6	-	6	-	
534	JAIPUR	JTED, Jaipur Town	GOPANA	11	-	NA	11	-	11	-	
535	JAIPUR	JTED, Jaipur Town	GURAU	6	-	NA	6	-	6	-	
536	JAIPUR	JTED, Jaipur Town	HAJIADONA	19	-	NA	19	-	19	-	
537	JAIPUR	JTED, Jaipur Town	JALAMKATPUR	15	-	NA	15	-	15	-	
538	JAIPUR	JTED, Jaipur Town	KALYANPUR	5	-	NA	5	-	5	-	
539	JAIPUR	JTED, Jaipur Town	KANTHOLI	13	-	NA	13	-	13	-	
540	JAIPUR	JTED, Jaipur Town	KAPOLA	11	-	NA	11	-	11	-	
541	JAIPUR	JTED, Jaipur Town	KATARIYA	3	-	NA	3	-	3	-	
542	JAIPUR	JTED, Jaipur Town	KHAKORA	7	-	NA	7	-	7	-	
543	JAIPUR	JTED, Jaipur Town	MAINDA	13	-	NA	13	-	13	-	
544	JAIPUR	JTED, Jaipur Town	MANGALPUR	18	-	NA	18	-	18	-	
545	JAIPUR	JTED, Jaipur Town	MUKUNDAPUR	12	-	NA	12	-	12	-	
546	JAIPUR	JTED, Jaipur Town	NANGLAW	11	-	NA	11	-	11	-	
547	JAIPUR	JTED, Jaipur Town	NARSAGAN	16	-	NA	16	-	16	-	
548	JAIPUR	JTED, Jaipur Town	NEWCHAKRATHPUR	15	-	NA	15	-	15	-	
549	JAIPUR	JTED, Jaipur Town	OLD CHAKRATHPUR	8	-	NA	8	-	8	-	
550	JAIPUR	JTED, Jaipur Town	PARPADA	9	-	NA	9	-	9	-	

Details of DT wise losses (please add more rows as per requirement)											
A. Division wise status of DT level metering (please add more rows as per requirement)											
(Please fill the data for each division during the reporting period)											
						No. of metered DTs			No. of DTs with functional meters		
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	AMR metered (communicable)	AMI metered (communicable)	Non AMR/AMI metered (non communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
551	JAJPUR	JTED, Jajpur Town	BARIMAG	17	-	NA	17	-	17	-	
552	JAJPUR	JTED, Jajpur Town	MASIA	6	-	NA	6	-	6	-	
553	JAJPUR	JTED, Jajpur Town	SIKULA	6	-	NA	6	-	6	-	
554	JAJPUR	JTED, Jajpur Town	SINGHPUR	14	-	NA	14	-	14	-	
555	JAJPUR	JTED, Jajpur Town	TOWN-I	65	-	NA	65	-	65	-	
556	JAJPUR	JTED, Jajpur Town	TOWN-II	18	-	NA	18	-	18	-	
557	JAJPUR	JTED, Jajpur Town	UTTARKULA	5	-	NA	5	-	5	-	
558	JAJPUR	KUED, Kuakhia	ATIRA	36	-	NA	36	-	36	-	
559	JAJPUR	KUED, Kuakhia	BAGHUA	8	-	NA	8	-	8	-	
560	JAJPUR	KUED, Kuakhia	BALARAMPUR	6	-	NA	6	-	6	-	
561	JAJPUR	KUED, Kuakhia	BALIA	32	-	NA	32	-	32	-	
562	JAJPUR	KUED, Kuakhia	BARABATI	29	-	NA	29	-	29	-	
563	JAJPUR	KUED, Kuakhia	BARABATI BAZAR	4	-	NA	4	-	4	-	
564	JAJPUR	KUED, Kuakhia	BARI	19	-	NA	19	-	19	-	
565	JAJPUR	KUED, Kuakhia	BARUAN	3	-	NA	3	-	3	-	
566	JAJPUR	KUED, Kuakhia	PRAHARAJBARDA	51	-	NA	51	-	51	-	
567	JAJPUR	KUED, Kuakhia	CHANDIKHOLE	15	-	NA	15	-	15	-	
568	JAJPUR	KUED, Kuakhia	CHANDRAMAPUR	9	-	NA	9	-	9	-	
569	JAJPUR	KUED, Kuakhia	DEEPA NOHAL	6	-	NA	6	-	6	-	
570	JAJPUR	KUED, Kuakhia	DHARAMSALA	37	-	NA	37	-	37	-	
571	JAJPUR	KUED, Kuakhia	DHAPUR	5	-	NA	5	-	5	-	
572	JAJPUR	KUED, Kuakhia	HARIPUR	80	-	NA	80	-	80	-	
573	JAJPUR	KUED, Kuakhia	JAPA	11	-	NA	11	-	11	-	
574	JAJPUR	KUED, Kuakhia	JENAPUR	19	-	NA	19	-	19	-	
575	JAJPUR	KUED, Kuakhia	JENAPUR	17	-	NA	17	-	17	-	
576	JAJPUR	KUED, Kuakhia	KABIRI	11	-	NA	11	-	11	-	
577	JAJPUR	KUED, Kuakhia	KAIPADA	14	-	NA	14	-	14	-	
578	JAJPUR	KUED, Kuakhia	KHANDITARA	10	-	NA	10	-	10	-	
579	JAJPUR	KUED, Kuakhia	KOTTAPUR	24	-	NA	24	-	24	-	
580	JAJPUR	KUED, Kuakhia	KUAKHIA	24	-	NA	24	-	24	-	
581	JAJPUR	KUED, Kuakhia	KUNTIRPATNA	17	-	NA	17	-	17	-	
582	JAJPUR	KUED, Kuakhia	MADHUBAN	11	-	NA	11	-	11	-	
583	JAJPUR	KUED, Kuakhia	MAHISHIKHANPUR	2	-	NA	2	-	2	-	
584	JAJPUR	KUED, Kuakhia	MANGALA	14	-	NA	14	-	14	-	
585	JAJPUR	KUED, Kuakhia	NARPOLE	14	-	NA	14	-	14	-	
586	JAJPUR	KUED, Kuakhia	NALAKULA	7	-	NA	7	-	7	-	
587	JAJPUR	KUED, Kuakhia	NATHUSAHI	13	-	NA	13	-	13	-	
588	JAJPUR	KUED, Kuakhia	NEULAPUR	8	-	NA	8	-	8	-	
589	JAJPUR	KUED, Kuakhia	RAGHUNATHPUR	12	-	NA	12	-	12	-	
590	JAJPUR	KUED, Kuakhia	RAJPUR	8	-	NA	8	-	8	-	
591	JAJPUR	KUED, Kuakhia	RATNAGIRI	20	-	NA	20	-	20	-	
592	JAJPUR	KUED, Kuakhia	SANKAMATH	7	-	NA	7	-	7	-	
593	JAJPUR	KUED, Kuakhia	SINGHPUR	16	-	NA	16	-	16	-	
594	JAJPUR	KUED, Kuakhia	SUKIDIA	2	-	NA	2	-	2	-	
595	KEONJHAR	AED, Anandpur	ALATI	23	-	NA	23	-	23	-	
596	KEONJHAR	AED, Anandpur	ANANDPUR	21	-	NA	21	-	21	-	
597	KEONJHAR	AED, Anandpur	BADAPALASHPAL	5	-	NA	5	-	5	-	
598	KEONJHAR	AED, Anandpur	BANSAPAL	3	-	NA	3	-	3	-	
599	KEONJHAR	AED, Anandpur	BALARAMPUR	17	-	NA	17	-	17	-	
600	KEONJHAR	AED, Anandpur	BANCHO	4	-	NA	4	-	4	-	
601	KEONJHAR	AED, Anandpur	BARITH	19	-	NA	19	-	19	-	
602	KEONJHAR	AED, Anandpur	BASANTIA	20	-	NA	20	-	20	-	
603	KEONJHAR	AED, Anandpur	BATTO	18	-	NA	18	-	18	-	
604	KEONJHAR	AED, Anandpur	BHUJABALA(Rajnagar)	16	-	NA	16	-	16	-	
605	KEONJHAR	AED, Anandpur	BELABAHALI	20	-	NA	20	-	20	-	

Details of DT-wise losses (please add more rows as per requirement)											
A. Division wise status of DT level metering (please add more rows as per requirement)											
(Please fill the data for each division during the reporting period)											
						No. of metered DTs			No. of DTs with functional meters		
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	AMR metered (communicable)	AMI metered (communicable)	Non-AMR/AMI metered (non-communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
606	KEONJHAR	AED_Anandpur	BHAGAMUNDA	5	-	NA	5	-	5	-	
607	KEONJHAR	AED_Anandpur	BHAGAMU	9	-	NA	9	-	9	-	
608	KEONJHAR	AED_Anandpur	DEOGAON	6	-	NA	6	-	6	-	
609	KEONJHAR	AED_Anandpur	DHANAKOTE	15	-	NA	15	-	15	-	
610	KEONJHAR	AED_Anandpur	DHAKOTHA	18	-	NA	18	-	18	-	
611	KEONJHAR	AED_Anandpur	DHANGURDIHA	5	-	NA	5	-	5	-	
612	KEONJHAR	AED_Anandpur	FAKIRPUR	11	-	NA	11	-	11	-	
613	KEONJHAR	AED_Anandpur	GADADHARPUR	8	-	NA	8	-	8	-	
614	KEONJHAR	AED_Anandpur	GEDMA	3	-	NA	3	-	3	-	
615	KEONJHAR	AED_Anandpur	GHATIPURA	9	-	NA	9	-	9	-	
616	KEONJHAR	AED_Anandpur	GHATAGAON MARKET	13	-	NA	13	-	13	-	
617	KEONJHAR	AED_Anandpur	HANTIBARI	3	-	NA	3	-	3	-	
618	KEONJHAR	AED_Anandpur	HATADIHI	11	-	NA	11	-	11	-	
619	KEONJHAR	AED_Anandpur	JANGHIRA	5	-	NA	5	-	5	-	
620	KEONJHAR	AED_Anandpur	JHARBEDA	6	-	NA	6	-	6	-	
621	KEONJHAR	AED_Anandpur	KADBEDA	2	-	NA	2	-	2	-	
622	KEONJHAR	AED_Anandpur	KATRANGIA	2	-	NA	2	-	2	-	
623	KEONJHAR	AED_Anandpur	KESHDURAPAL	7	-	NA	7	-	7	-	
624	KEONJHAR	AED_Anandpur	MULIPUR	10	-	NA	10	-	10	-	
625	KEONJHAR	AED_Anandpur	MUNDULIATI	6	-	NA	6	-	6	-	
626	KEONJHAR	AED_Anandpur	NUAGAON	6	-	NA	6	-	6	-	
627	KEONJHAR	AED_Anandpur	PANSULA	2	-	NA	2	-	2	-	
628	KEONJHAR	AED_Anandpur	PITHAGOLA	6	-	NA	6	-	6	-	
629	KEONJHAR	AED_Anandpur	RAMCHANDRAPUR	3	-	NA	3	-	3	-	
630	KEONJHAR	AED_Anandpur	RUTTOLA	10	-	NA	10	-	10	-	
631	KEONJHAR	AED_Anandpur	SAGANIA	5	-	NA	5	-	5	-	
632	KEONJHAR	AED_Anandpur	SADANGA	5	-	NA	5	-	5	-	
633	KEONJHAR	AED_Anandpur	SAMBILA	11	-	NA	11	-	11	-	
634	KEONJHAR	AED_Anandpur	SALABANI	7	-	NA	7	-	7	-	
635	KEONJHAR	AED_Anandpur	SALADEI	14	-	NA	14	-	14	-	
636	KEONJHAR	AED_Anandpur	SALANAI	3	-	NA	3	-	3	-	
637	KEONJHAR	AED_Anandpur	SALAPADA	22	-	NA	22	-	22	-	
638	KEONJHAR	AED_Anandpur	SANGADA	4	-	NA	4	-	4	-	
639	KEONJHAR	AED_Anandpur	SOSO	7	-	NA	7	-	7	-	
640	KEONJHAR	AED_Anandpur	TARATUBA	3	-	NA	3	-	3	-	
641	KEONJHAR	AED_Anandpur	TOMAKPOKHARI	7	-	NA	7	-	7	-	
642	KEONJHAR	JED_Joda	ADAMANALAPAL	9	-	NA	9	-	9	-	
643	KEONJHAR	JED_Joda	ARAKPAT	5	-	NA	5	-	5	-	
644	KEONJHAR	JED_Joda	BALAGADI	3	-	NA	3	-	3	-	
645	KEONJHAR	JED_Joda	BALIBANDHA	17	-	NA	17	-	17	-	
646	KEONJHAR	JED_Joda	BAMEBARI	11	-	NA	11	-	11	-	
647	KEONJHAR	JED_Joda	BANSPOLA	25	-	NA	25	-	25	-	
648	KEONJHAR	JED_Joda	BALLEEPUR	3	-	NA	3	-	3	-	
649	KEONJHAR	JED_Joda	BHADRASAHI TOWN	14	-	NA	14	-	14	-	
650	KEONJHAR	JED_Joda	BANKOLA	8	-	NA	8	-	8	-	
651	KEONJHAR	JED_Joda	BELIPADA	9	-	NA	9	-	9	-	
652	KEONJHAR	JED_Joda	BOLANI	19	-	NA	19	-	19	-	
653	KEONJHAR	JED_Joda	BOLANI II	30	-	NA	30	-	30	-	
654	KEONJHAR	JED_Joda	CHAMPUA TOWN 1	29	-	NA	29	-	29	-	
655	KEONJHAR	JED_Joda	CHAUTIA	18	-	NA	18	-	18	-	
656	KEONJHAR	JED_Joda	CHAMUA	4	-	NA	4	-	4	-	
657	KEONJHAR	JED_Joda	HANDIBHANGA	8	-	NA	8	-	8	-	
658	KEONJHAR	JED_Joda	JAJANG	6	-	NA	6	-	6	-	

Details of DT wise losses (please add more rows as per requirement)											
A. Division wise status of DT level metering (please add more rows as per requirement)											
(Please fill the data for each division during the reporting period)											
						No. of metered DTs			No. of DTs with functional meters		
Zone Name	Circle name	Division name	Feeder Name	Total no. of DTs on feeder	No. of Unmetered DTs	AMR metered (communicable)	AMI metered (communicable)	Non AMR/AMI metered (non communicable)	Communicating (Total No. out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)	Remarks
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11	
659	KEONJHAR	JED, Joda	JHUMPURA	18	-	NA	18	-	18	-	
660	KEONJHAR	JED, Joda	JODA	36	-	NA	36	-	36	-	
661	KEONJHAR	JED, Joda	KARANJIA	12	-	NA	12	-	12	-	
662	KEONJHAR	JED, Joda	KARANJIA	11	-	NA	11	-	11	-	
663	KEONJHAR	JED, Joda	KASHIPUR	5	-	NA	5	-	5	-	
664	KEONJHAR	JED, Joda	NALDA	16	-	NA	16	-	16	-	
665	KEONJHAR	JED, Joda	NARAGPUR	8	-	NA	8	-	8	-	
666	KEONJHAR	JED, Joda	PALASPANGA	18	-	NA	18	-	18	-	
667	KEONJHAR	JED, Joda	RAIA	10	-	NA	10	-	10	-	
668	KEONJHAR	JED, Joda	RAM HANDIBAPUR	1	-	NA	1	-	1	-	
669	KEONJHAR	JED, Joda	RIMULI PHD	7	-	NA	7	-	7	-	
670	KEONJHAR	JED, Joda	RUGUDI	4	-	NA	4	-	4	-	
671	KEONJHAR	JED, Joda	SAVUKI	13	-	NA	13	-	13	-	
672	KEONJHAR	JED, Joda	THAKURANI	5	-	NA	5	-	5	-	
673	KEONJHAR	JED, Joda	TOWN	30	-	NA	30	-	30	-	
674	KEONJHAR	JED, Joda	UKHUNDA	4	-	NA	4	-	4	-	
675	KEONJHAR	KED, Keonjhar	JOTIPUR	2	-	NA	2	-	2	-	
676	KEONJHAR	KED, Keonjhar	BANAGODI	4	-	NA	4	-	4	-	
677	KEONJHAR	KED, Keonjhar	BEGUNAPOSI	2	-	NA	2	-	2	-	
678	KEONJHAR	KED, Keonjhar	BIMAPUR	2	-	NA	2	-	2	-	
679	KEONJHAR	KED, Keonjhar	BILA	3	-	NA	3	-	3	-	
680	KEONJHAR	KED, Keonjhar	BIRIPABAHAL	3	-	NA	3	-	3	-	
681	KEONJHAR	KED, Keonjhar	CHAMAKUNDA	3	-	NA	3	-	3	-	
682	KEONJHAR	KED, Keonjhar	DARAPATHA	3	-	NA	3	-	3	-	
683	KEONJHAR	KED, Keonjhar	DENGUA	4	-	NA	4	-	4	-	
684	KEONJHAR	KED, Keonjhar	ENGG COLLEGE	1	-	NA	1	-	1	-	
685	KEONJHAR	KED, Keonjhar	EXPRESS	21	-	NA	21	-	21	-	
686	KEONJHAR	KED, Keonjhar	JAGANNATHPUR	4	-	NA	4	-	4	-	
687	KEONJHAR	KED, Keonjhar	JHUMPURA	2	-	NA	2	-	2	-	
688	KEONJHAR	KED, Keonjhar	KALIAPOTA	8	-	NA	8	-	8	-	
689	KEONJHAR	KED, Keonjhar	KT SADA	8	-	NA	8	-	8	-	
690	KEONJHAR	KED, Keonjhar	KENDUPOSI (TANGARPADA)	7	-	NA	7	-	7	-	
691	KEONJHAR	KED, Keonjhar	KHIRITAMURI	13	-	NA	13	-	13	-	
692	KEONJHAR	KED, Keonjhar	MACHHAGADIA	2	-	NA	2	-	2	-	
693	KEONJHAR	KED, Keonjhar	MADANGO	4	-	NA	4	-	4	-	
694	KEONJHAR	KED, Keonjhar	MARGUAN	13	-	NA	13	-	13	-	
695	KEONJHAR	KED, Keonjhar	MUSAKHORI	3	-	NA	3	-	3	-	
696	KEONJHAR	KED, Keonjhar	NANDAPUR	3	-	NA	3	-	3	-	
697	KEONJHAR	KED, Keonjhar	NAGARPUR	8	-	NA	8	-	8	-	
698	KEONJHAR	KED, Keonjhar	OLD TOWN	15	-	NA	15	-	15	-	
699	KEONJHAR	KED, Keonjhar	PATNA	6	-	NA	6	-	6	-	
700	KEONJHAR	KED, Keonjhar	RT PATELER	6	-	NA	6	-	6	-	
701	KEONJHAR	KED, Keonjhar	SAHARAPADA	7	-	NA	7	-	7	-	
702	KEONJHAR	KED, Keonjhar	SAHARAPADA	4	-	NA	4	-	4	-	
703	KEONJHAR	KED, Keonjhar	SANJAMPUR	7	-	NA	7	-	7	-	
704	KEONJHAR	KED, Keonjhar	SUAKATI BAZAR	3	-	NA	3	-	3	-	
705	KEONJHAR	KED, Keonjhar	TANGO	4	-	NA	4	-	4	-	
706	KEONJHAR	KED, Keonjhar	TELKOI	7	-	NA	7	-	7	-	
707	KEONJHAR	KED, Keonjhar	TOWN-I	46	-	NA	46	-	46	-	
708	KEONJHAR	KED, Keonjhar	TOWN-II	42	-	NA	42	-	42	-	
709	KEONJHAR	KED, Keonjhar	TOWN-III	31	-	NA	31	-	31	-	
710	KEONJHAR	KED, Keonjhar	TOWN-IV	5	-	NA	5	-	5	-	
711	KEONJHAR	KED, Keonjhar	UDAYPUR	8	-	NA	8	-	8	-	
				3202			3202		3202		

Details of DT-wise losses (please add more rows as per requirement)													
Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (KVA)	Predominant- consumer type of DT (Domestic/Industrial/Agricultural/ Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4321115	432111301	Collector	TPNODL39001029	100	MIXED	AMI	FUNCTIONAL	100%	11	0.032	0.021	0.011	34.45%
4321115	432111301	Collectorate	TPNODL39001591	100	MIXED	AMI	FUNCTIONAL	100%	78	0.046	0.037	0.009	19.74%
4321115	432111303	Phandi Chhaka	TPNODL39001033	100	MIXED	AMI	FUNCTIONAL	100%	33	0.016	0.011	0.005	32.34%
4321115	432111303	Phandi Chhaka	TPNODL39001408	100	MIXED	AMI	FUNCTIONAL	100%	30	0.023	0.022	0.002	6.57%
4321115	432111303	Phandi Chhaka	TPNODL39001411	100	MIXED	AMI	FUNCTIONAL	100%	32	0.029	0.021	0.009	29.18%
4321115	432111303	Phandi Chhaka	TPNODL39001624	100	MIXED	AMI	FUNCTIONAL	100%	39	0.052	0.026	0.026	49.83%
4321115	432111304	Motiganj	TPNODL39001104	100	MIXED	AMI	FUNCTIONAL	100%	61	0.023	0.020	0.003	14.92%
4321115	432111304	Motiganj	TPNODL39001410	100	MIXED	AMI	FUNCTIONAL	100%	41	0.018	0.015	0.003	15.61%
4321115	432111304	Motiganj	TPNODL39001818	100	MIXED	AMI	FUNCTIONAL	100%	49	0.016	0.013	0.003	19.14%
4321115	432111304	Damadarpur	TPNODL39002130	100	MIXED	AMI	FUNCTIONAL	100%	77	0.035	0.021	0.014	40.80%
4321115	432111304	Motiganj	TPNODL39007064	100	MIXED	AMI	FUNCTIONAL	100%	51	0.021	0.017	0.004	20.95%
4321115	432111304	Damdarpur	TPNODL39007469	500	MIXED	AMI	FUNCTIONAL	100%	145	0.117	0.047	0.070	59.74%
4321115	432111304	Damdarpur	TPNODL39007471	250	MIXED	AMI	FUNCTIONAL	100%	117	0.095	0.040	0.055	57.80%
4321115	432111304	Damdarpur	TPNODL39007577	100	MIXED	AMI	FUNCTIONAL	100%	76	0.035	0.022	0.013	37.58%
4321122	432112201	Digrania	TPNODL39000016	100	MIXED	AMI	FUNCTIONAL	100%	96	0.047	0.029	0.018	38.65%
4321122	432112202	Digrania	TPNODL39000017	100	MIXED	AMI	FUNCTIONAL	100%	53	0.015	0.011	0.004	25.63%
4321122	432112202	Digrania	TPNODL39000019	100	MIXED	AMI	FUNCTIONAL	100%	113	0.054	0.041	0.013	24.79%
4321122	432112202	Sunhat	TPNODL39002021	100	MIXED	AMI	FUNCTIONAL	100%	90	0.054	0.023	0.031	57.49%
4321122	432112202	Puruna Balasore	TPNODL39002238	100	MIXED	AMI	FUNCTIONAL	100%	80	0.034	0.022	0.012	35.39%
4321122	432112203	Bana Mandir Feeder	TPNODL39001155	100	MIXED	AMI	FUNCTIONAL	100%	98	0.037	0.034	0.003	8.66%
4321144	432114401	Balamgadi	TPNODL39001012	100	MIXED	AMI	FUNCTIONAL	100%	25	0.033	0.020	0.014	58.30%
4321144	432114401	Balangpali	TPNODL39001321	100	DOMESTIC	AMI	FUNCTIONAL	100%	1	0.035	0.032	0.003	8.25%
4321144	432114401	Swadhinpalla	TPNODL39001520	100	MIXED	AMI	FUNCTIONAL	100%	30	0.014	0.008	0.006	43.60%
4321144	432114403	Mottipada	TPNODL39007067	100	MIXED	AMI	FUNCTIONAL	100%	41	0.015	0.011	0.004	28.70%
4321153	432115301	Ranipatna	TPNODL39000284	100	MIXED	AMI	FUNCTIONAL	100%	54	0.048	0.023	0.025	52.35%
4321153	432115301	Ranipatna	TPNODL39000840	100	MIXED	AMI	FUNCTIONAL	100%	40	0.023	0.014	0.010	41.46%
4321153	432115301	Ranipatna	TPNODL39001107	100	MIXED	AMI	FUNCTIONAL	100%	55	0.030	0.017	0.013	43.35%
4321153	432115301	Ranipatna	TPNODL39001296	100	MIXED	AMI	FUNCTIONAL	100%	55	0.039	0.034	0.005	12.34%
4321153	432115301	Ranipatna	TPNODL39001343	100	MIXED	AMI	FUNCTIONAL	100%	41	0.017	0.012	0.004	26.89%
4321153	432115301	Ranipatna	TPNODL39001478	500	MIXED	AMI	FUNCTIONAL	100%	241	0.101	0.080	0.022	21.22%
4321153	432115301	Ranipatna	TPNODL39001584	100	MIXED	AMI	FUNCTIONAL	100%	28	0.013	0.010	0.003	24.61%
4321153	432115301	Ranipatna	TPNODL39001816	100	MIXED	AMI	FUNCTIONAL	100%	58	0.037	0.018	0.020	53.47%
4321153	432115301	Ranipatna	TPNODL39001819	500	MIXED	AMI	FUNCTIONAL	100%	176	0.142	0.115	0.027	18.89%
4321153	432115301	Ranipatna	TPNODL39002116	100	MIXED	AMI	FUNCTIONAL	100%	125	0.030	0.015	0.016	51.89%
4321153	432115302	Sualpur	TPNODL39001039	100	MIXED	AMI	FUNCTIONAL	100%	88	0.023	0.021	0.002	10.29%
4321153	432115302	Sualpur	TPNODL39001181	100	MIXED	AMI	FUNCTIONAL	100%	49	0.016	0.013	0.003	18.98%
4321153	432115302	Sualpur	TPNODL39001477	100	MIXED	AMI	FUNCTIONAL	100%	132	0.046	0.039	0.007	15.27%
4321153	432115302	Sualpur	TPNODL39001618	100	MIXED	AMI	FUNCTIONAL	100%	78	0.041	0.033	0.008	19.61%

Details of DT-wise losses (please add more rows as per requirement)													
Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (kVA)	Predominant- consumer type of DT (Domestic/Industrial/Agricultural/ Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4321150	432131302	Damodarpur	TPNODL39002100	100	MIXED	AMI	FUNCTIONAL	100%	130	0.054	0.044	0.010	18.97%
4321231	432121301	No-1	TPNODL39000385	100	MIXED	AMI	FUNCTIONAL	100%	18	0.016	0.014	0.002	13.90%
4321231	432121301	No-1	TPNODL39000601	100	MIXED	AMI	FUNCTIONAL	100%	21	0.029	0.016	0.013	43.82%
4321231	432121301	No-1	TPNODL39000602	100	MIXED	AMI	FUNCTIONAL	100%	52	0.018	0.011	0.005	41.29%
4321231	432121301	No-1	TPNODL39000623	100	MIXED	AMI	FUNCTIONAL	100%	63	0.018	0.013	0.005	29.20%
4321231	432121301	No-1	TPNODL39000650	100	MIXED	AMI	FUNCTIONAL	100%	44	0.021	0.018	0.003	14.32%
4321231	432121301	No-1	TPNODL39000684	100	MIXED	AMI	FUNCTIONAL	100%	115	0.043	0.039	0.005	11.65%
4321231	432121301	No-1	TPNODL39000815	100	MIXED	AMI	FUNCTIONAL	100%	55	0.025	0.011	0.014	54.52%
4321231	432121301	No-1	TPNODL39000824	100	MIXED	AMI	FUNCTIONAL	100%	72	0.027	0.023	0.004	16.89%
4321231	432121301	No-1	TPNODL39001068	63	MIXED	AMI	FUNCTIONAL	100%	79	0.034	0.030	0.004	10.89%
4321231	432121301	Balasore No-2	TPNODL39002208	100	MIXED	AMI	FUNCTIONAL	100%	91	0.035	0.031	0.005	21.37%
4321231	432121302	No-1	TPNODL39000823	200	MIXED	AMI	FUNCTIONAL	100%	30	0.021	0.020	0.001	6.43%
4321231	432121302	Balasore No-2	TPNODL39000935	250	MIXED	AMI	FUNCTIONAL	100%	43	0.094	0.040	0.054	57.33%
4321231	432121302	Balasore No-2	TPNODL39001013	100	MIXED	AMI	FUNCTIONAL	100%	55	0.028	0.023	0.005	18.20%
4321231	432121302	Balasore No-2	TPNODL39001118	250	MIXED	AMI	FUNCTIONAL	100%	102	0.055	0.036	0.020	36.82%
4321231	432121302	Motiganj	TPNODL39001122	100	MIXED	AMI	FUNCTIONAL	100%	11	0.044	0.031	0.013	29.31%
4321231	432121302	No-2	TPNODL39007648	500	MIXED	AMI	FUNCTIONAL	100%	323	0.174	0.122	0.052	29.78%
4321231	432121303	Satyanagar	TPNODL39000620	100	MIXED	AMI	FUNCTIONAL	100%	87	0.037	0.034	0.004	9.91%
4321231	432121303	City Sunhat	TPNODL39000873	250	MIXED	AMI	FUNCTIONAL	100%	128	0.052	0.043	0.009	16.67%
4321231	432121303	Makalpur	TPNODL39001884	100	MIXED	AMI	FUNCTIONAL	100%	117	0.064	0.050	0.014	22.40%
4321231	432121303	City Sunhat	TPNODL39001940	63	MIXED	AMI	FUNCTIONAL	100%	21	0.010	0.006	0.004	36.51%
4321231	432121303	City Sunhat	TPNODL39002150	100	MIXED	AMI	FUNCTIONAL	100%	102	0.035	0.026	0.009	25.87%
4321231	432121304	Satyanagar	TPNODL39000110	100	MIXED	AMI	FUNCTIONAL	100%	177	0.055	0.051	0.004	7.24%
4321231	432121304	Satyanagar	TPNODL39000555	100	MIXED	AMI	FUNCTIONAL	100%	88	0.027	0.022	0.004	16.36%
4321231	432121304	Satyanagar	TPNODL39000527	100	MIXED	AMI	FUNCTIONAL	100%	56	0.017	0.015	0.002	13.12%
4321231	432121304	Satyanagar	TPNODL39000618	500	MIXED	AMI	FUNCTIONAL	100%	450	0.136	0.114	0.022	16.05%
4321231	432121305	Alupur	TPNODL39000386	100	MIXED	AMI	FUNCTIONAL	100%	46	0.031	0.023	0.008	25.37%
4321231	432121305	Alupur	TPNODL39000817	250	MIXED	AMI	FUNCTIONAL	100%	197	0.075	0.069	0.006	8.30%
4321231	432121305	Alupur	TPNODL39001493	100	MIXED	AMI	FUNCTIONAL	100%	38	0.025	0.016	0.009	36.37%
4321231	432121305	Alupur	TPNODL39001508	100	MIXED	AMI	FUNCTIONAL	100%	28	0.023	0.010	0.013	54.79%
4321231	432121305	Alupur	TPNODL39001509	100	MIXED	AMI	FUNCTIONAL	100%	87	0.026	0.023	0.003	11.45%
4321231	432121305	Alupur	TPNODL39002155	100	MIXED	AMI	FUNCTIONAL	100%	56	0.017	0.011	0.006	32.09%
4321231	432121306	Industrial	TPNODL39000131	200	INDUSTRIAL	AMI	FUNCTIONAL	100%	10	0.069	0.035	0.035	49.86%
4321231	432121306	Industrial	TPNODL39000396	100	INDUSTRIAL	AMI	FUNCTIONAL	100%	91	0.032	0.028	0.004	13.22%
4321231	432121306	Industrial	TPNODL39000338	100	INDUSTRIAL	AMI	FUNCTIONAL	100%	99	0.029	0.026	0.003	10.41%
4321231	432121306	Industrial	TPNODL39000875	200	INDUSTRIAL	AMI	FUNCTIONAL	100%	8	0.016	0.015	0.001	5.55%
4321231	432121306	Industrial	TPNODL39000708	100	INDUSTRIAL	AMI	FUNCTIONAL	100%	58	0.024	0.022	0.002	6.30%
4321231	432121306	Satyanagar	TPNODL39001094	100	MIXED	AMI	FUNCTIONAL	100%	111	0.041	0.036	0.006	14.38%

Details of DT-wise losses (please add more rows as per requirement)

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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4321231	432123106	Industrial	TPNODL39001583	100	INDUSTRIAL	AMI	FUNCTIONAL	100%	49	0.088	0.051	0.037	41.81%
4321233	432123301	Nuasahi	TPNODL39000667	100	MIXED	AMI	FUNCTIONAL	100%	79	0.032	0.026	0.005	17.10%
4321233	432123301	Nuasahi	TPNODL39000744	100	MIXED	AMI	FUNCTIONAL	100%	196	0.059	0.056	0.004	6.22%
4321233	432123301	Nuasahi	TPNODL39000745	100	MIXED	AMI	FUNCTIONAL	100%	40	0.018	0.016	0.002	13.46%
4321233	432123301	Nuasahi	TPNODL39001085	100	MIXED	AMI	FUNCTIONAL	100%	122	0.052	0.041	0.011	20.72%
4321233	432123301	Nuasahi	TPNODL39001087	100	MIXED	AMI	FUNCTIONAL	100%	100	0.034	0.028	0.007	19.00%
4321233	432123302	Bus Stand	TPNODL39001100	250	MIXED	AMI	FUNCTIONAL	100%	111	0.087	0.044	0.043	49.58%
4321233	432123302	Bus Stand	TPNODL39001102	100	MIXED	AMI	FUNCTIONAL	100%	69	0.020	0.013	0.007	33.98%
4321226	432122401	Balia	TPNODL39000953	100	MIXED	AMI	FUNCTIONAL	100%	51	0.024	0.014	0.010	42.49%
4321226	432122401	Balia	TPNODL39001078	100	MIXED	AMI	FUNCTIONAL	100%	139	0.056	0.041	0.015	26.97%
4321226	432122401	Balia	TPNODL39001079	100	MIXED	AMI	FUNCTIONAL	100%	52	0.022	0.016	0.006	27.71%
4321226	432122401	Balia	TPNODL39001109	100	MIXED	AMI	FUNCTIONAL	100%	103	0.033	0.030	0.003	8.77%
4321226	432122402	Sahadevkuntha	TPNODL39000996	100	MIXED	AMI	FUNCTIONAL	100%	144	0.052	0.036	0.017	32.80%
4321226	432122402	Sahadevkuntha	TPNODL39000997	100	MIXED	AMI	FUNCTIONAL	100%	84	0.029	0.021	0.008	28.53%
4321226	432122402	Sahadevkuntha	TPNODL39001044	100	MIXED	AMI	FUNCTIONAL	100%	64	0.043	0.024	0.020	45.26%
4321226	432122402	Sahadevkuntha	TPNODL39001045	100	MIXED	AMI	FUNCTIONAL	100%	149	0.071	0.047	0.024	33.65%
4321226	432122402	Sahadevkuntha	TPNODL39001047	200	MIXED	AMI	FUNCTIONAL	100%	167	0.088	0.044	0.044	50.07%
4321226	432122402	Sahadevkuntha	TPNODL39001049	100	MIXED	AMI	FUNCTIONAL	100%	199	0.025	0.012	0.013	53.55%
4321226	432122402	Sahadevkuntha	TPNODL39001050	100	MIXED	AMI	FUNCTIONAL	100%	77	0.029	0.026	0.003	10.92%
4321226	432122402	Sahadevkuntha	TPNODL39001080	100	MIXED	AMI	FUNCTIONAL	100%	100	0.052	0.034	0.017	33.41%
4321226	432122402	Sahadevkuntha	TPNODL39001082	100	MIXED	AMI	FUNCTIONAL	100%	52	0.029	0.021	0.008	27.53%
4321226	432122402	Sahadevkuntha	TPNODL39001093	100	MIXED	AMI	FUNCTIONAL	100%	149	0.058	0.032	0.026	44.77%
4321226	432122402	Sahadevkuntha	TPNODL39001180	100	MIXED	AMI	FUNCTIONAL	100%	113	0.074	0.044	0.030	40.18%
4321226	432122402	Sahadevkuntha	TPNODL39001181	100	MIXED	AMI	FUNCTIONAL	100%	164	0.044	0.042	0.003	5.97%
4321226	432122402	Sahadevkuntha	TPNODL39001183	100	MIXED	AMI	FUNCTIONAL	100%	159	0.052	0.042	0.011	20.46%
4321226	432122403	Samalpur	TPNODL39000914	100	MIXED	AMI	FUNCTIONAL	100%	101	0.035	0.027	0.008	24.22%
4321226	432122403	Samalpur	TPNODL39000988	100	MIXED	AMI	FUNCTIONAL	100%	89	0.043	0.026	0.017	38.87%
4321226	432122403	Samalpur	TPNODL39000991	100	MIXED	AMI	FUNCTIONAL	100%	119	0.058	0.040	0.018	31.00%
4321226	432122403	Samalpur	TPNODL39006583	250	MIXED	AMI	FUNCTIONAL	100%	210	0.065	0.061	0.004	5.60%
4321232	432123203	Industrial-2	TPNODL39000052	100	INDUSTRIAL	AMI	FUNCTIONAL	100%	60	0.018	0.011	0.006	36.58%
4321232	432123203	Industrial-2	TPNODL39000054	100	INDUSTRIAL	AMI	FUNCTIONAL	100%	32	0.017	0.008	0.009	53.47%
4321232	432123203	Industrial	TPNODL39005870	100	INDUSTRIAL	AMI	FUNCTIONAL	100%	55	0.024	0.015	0.009	37.64%
4321232	432123203	Industrial-2	TPNODL39006089	100	INDUSTRIAL	AMI	FUNCTIONAL	100%	45	0.029	0.021	0.008	27.99%
4321232	432123204	Town	TPNODL39000111	100	MIXED	AMI	FUNCTIONAL	100%	80	0.031	0.026	0.005	16.08%
4321232	432123204	Balasore No.2	TPNODL39000340	315	MIXED	AMI	FUNCTIONAL	100%	171	0.142	0.071	0.071	50.14%
4321232	432123204	Town	TPNODL39000393	250	MIXED	AMI	FUNCTIONAL	100%	141	0.089	0.066	0.023	27.95%
4321232	432123204	Town	TPNODL39000449	100	MIXED	AMI	FUNCTIONAL	100%	59	0.021	0.016	0.005	24.26%
4321232	432123204	Town	TPNODL39002115	100	MIXED	AMI	FUNCTIONAL	100%	85	0.030	0.025	0.006	21.08%

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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4321232	432123204	Town Feeder	TPNODL19000514	100	MIXED	AMI	FUNCTIONAL	100%	122	0.048	0.042	0.007	13.58%
4321232	432123205	Jamugani	TPNODL19000457	100	MIXED	AMI	FUNCTIONAL	100%	44	0.035	0.030	0.023	14.17%
4321232	432123205	Jamugani	TPNODL19000870	100	MIXED	AMI	FUNCTIONAL	100%	19	0.013	0.010	0.003	20.66%
4321232	432123205	Jamugani	TPNODL19001018	100	MIXED	AMI	FUNCTIONAL	100%	56	0.033	0.024	0.009	28.11%
4321232	432123205	Jamugani	TPNODL19001073	100	MIXED	AMI	FUNCTIONAL	100%	43	0.015	0.013	0.002	14.66%
4321232	432123205	Jamugani	TPNODL19004811	100	MIXED	AMI	FUNCTIONAL	100%	162	0.060	0.029	0.031	51.27%
4321232	432123205	Jamugani	TPNODL19006494	100	MIXED	AMI	FUNCTIONAL	100%	109	0.038	0.023	0.016	40.90%
4322131	432211104	SARTHA	TPNODL19001085	100	MIXED	AMI	FUNCTIONAL	100%	70	0.017	0.007	0.010	57.46%
4322131	432211104	SARTHA	TPNODL19001208	100	MIXED	AMI	FUNCTIONAL	100%	81	0.039	0.022	0.017	44.25%
4322131	432211104	SARTHA	TPNODL19001490	100	MIXED	AMI	FUNCTIONAL	100%	68	0.028	0.015	0.013	45.07%
4322131	432211104	SARTHA	TPNODL19001491	100	MIXED	AMI	FUNCTIONAL	100%	18	0.009	0.004	0.005	54.83%
4322131	432211104	SARTHA	TPNODL19002757	100	MIXED	AMI	FUNCTIONAL	100%	96	0.034	0.023	0.012	33.77%
4322131	432211104	SARTHA	TPNODL19003550	100	MIXED	AMI	FUNCTIONAL	100%	125	0.029	0.028	0.001	67.33%
4322131	432211104	SARTHA	TPNODL19005898	100	MIXED	AMI	FUNCTIONAL	100%	62	0.033	0.014	0.019	56.37%
4322131	432211104	SARTHA	TPNODL19005899	100	MIXED	AMI	FUNCTIONAL	100%	57	0.016	0.008	0.008	50.66%
4322131	432211104	SARTHA	TPNODL19006253	100	MIXED	AMI	FUNCTIONAL	100%	53	0.020	0.010	0.010	49.20%
4322131	432211104	SARTHA	TPNODL19007378	100	MIXED	AMI	FUNCTIONAL	100%	38	0.024	0.013	0.013	50.66%
4322238	432221802	NAKUDI-2	TPNODL19001158	100	MIXED	AMI	FUNCTIONAL	100%	96	0.037	0.019	0.018	48.52%
4322238	432221805	NAKUDI-2	TPNODL19002184	100	MIXED	AMI	FUNCTIONAL	100%	87	0.022	0.013	0.009	41.60%
4321121	432312101	PARALIA	TPNODL19001213	100	MIXED	AMI	FUNCTIONAL	100%	73	0.009	0.004	0.005	53.97%
4321121	432312102	KHALABADIA	TPNODL19005443	100	MIXED	AMI	FUNCTIONAL	100%	95	0.016	0.011	0.005	33.20%
4321121	432312102	KHALABADIA	TPNODL19000724	100	MIXED	AMI	FUNCTIONAL	100%	85	0.017	0.009	0.008	46.28%
4321121	432312102	KHALABADIA	TPNODL19000725	100	MIXED	AMI	FUNCTIONAL	100%	149	0.020	0.014	0.008	41.93%
4321121	432312102	KHALABADIA	TPNODL19003974	100	MIXED	AMI	FUNCTIONAL	100%	131	0.019	0.009	0.009	49.00%
4321121	432312102	KHALABADIA	TPNODL19006114	100	MIXED	AMI	FUNCTIONAL	100%	53	0.006	0.006	0.002	37.42%
4321121	432312102	KHALABADIA	TPNODL19006663	100	MIXED	AMI	FUNCTIONAL	100%	98	0.020	0.011	0.009	46.02%
4321121	432312102	KHALABADIA	TPNODL19007020	100	MIXED	AMI	FUNCTIONAL	100%	55	0.011	0.005	0.006	57.62%
4321121	432312102	KHALABADIA	TPNODL19007133	100	MIXED	AMI	FUNCTIONAL	100%	69	0.008	0.005	0.002	29.22%
4321124	432312401	TOWN	TPNODL19000076	100	MIXED	AMI	FUNCTIONAL	100%	105	0.039	0.029	0.010	25.79%
4321124	432312401	TOWN	TPNODL19000079	100	MIXED	AMI	FUNCTIONAL	100%	60	0.044	0.026	0.018	40.17%
4321124	432312401	TOWN	TPNODL19000117	100	MIXED	AMI	FUNCTIONAL	100%	63	0.023	0.017	0.007	28.61%
4321124	432312401	TOWN	TPNODL19000119	100	MIXED	AMI	FUNCTIONAL	100%	37	0.027	0.016	0.013	47.43%
4321124	432312401	TOWN	TPNODL19000122	100	MIXED	AMI	FUNCTIONAL	100%	114	0.046	0.034	0.012	25.18%
4321124	432312401	TOWN	TPNODL19000153	100	MIXED	AMI	FUNCTIONAL	100%	161	0.061	0.031	0.030	48.61%
4321124	432312401	TOWN	TPNODL19000158	100	MIXED	AMI	FUNCTIONAL	100%	91	0.026	0.011	0.015	57.07%
4321124	432312401	TOWN	TPNODL19000159	100	MIXED	AMI	FUNCTIONAL	100%	83	0.034	0.018	0.016	46.82%
4321124	432312401	TOWN	TPNODL19000176	100	MIXED	AMI	FUNCTIONAL	100%	100	0.043	0.023	0.021	47.28%
4321124	432312401	TOWN	TPNODL19000177	100	MIXED	AMI	FUNCTIONAL	100%	109	0.046	0.020	0.027	57.19%

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Details of DT-wise losses (please add more rows as per requirement)													
Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (kVA)	Predominant- consumer type of DT (Domestic/Industrial/Agricultural/ Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
432/132	432/312402	TOWN	TPNODL190001179	100	MIXED	AMI	FUNCTIONAL	100%	89	0.030	0.021	0.009	29.17%
432/132	432/312402	TOWN	TPNODL190002286	100	MIXED	AMI	FUNCTIONAL	100%	101	0.037	0.026	0.018	49.78%
432/132	432/312402	TOWN	TPNODL190002299	100	MIXED	AMI	FUNCTIONAL	100%	49	0.019	0.016	0.003	14.98%
432/132	432/312402	TOWN	TPNODL190003185	100	MIXED	AMI	FUNCTIONAL	100%	84	0.030	0.013	0.017	56.48%
432/132	432/312402	TOWN	TPNODL190003586	100	MIXED	AMI	FUNCTIONAL	100%	102	0.033	0.023	0.010	30.69%
432/132	432/312402	TOWN	TPNODL190003587	100	MIXED	AMI	FUNCTIONAL	100%	113	0.052	0.028	0.024	46.46%
432/132	432/312402	TOWN	TPNODL190011142	100	MIXED	AMI	FUNCTIONAL	100%	98	0.043	0.028	0.015	35.53%
432/132	432/312402	TOWN	TPNODL190011143	100	MIXED	AMI	FUNCTIONAL	100%	69	0.024	0.012	0.012	50.96%
432/132	432/312402	TOWN	TPNODL190011376	100	MIXED	AMI	FUNCTIONAL	100%	119	0.050	0.032	0.018	35.92%
432/132	432/312402	TOWN	TPNODL190011414	100	MIXED	AMI	FUNCTIONAL	100%	143	0.023	0.015	0.008	34.29%
432/132	432/312402	TOWN	TPNODL190011508	100	MIXED	AMI	FUNCTIONAL	100%	84	0.022	0.015	0.007	32.99%
432/132	432/312402	TOWN	TPNODL190011578	100	MIXED	AMI	FUNCTIONAL	100%	99	0.022	0.019	0.003	13.22%
432/132	432/312402	TOWN	TPNODL190011600	100	MIXED	AMI	FUNCTIONAL	100%	98	0.022	0.018	0.004	17.13%
432/132	432/312402	TOWN	TPNODL190011603	100	MIXED	AMI	FUNCTIONAL	100%	43	0.012	0.009	0.004	28.96%
432/132	432/312402	TOWN	TPNODL190011690	100	MIXED	AMI	FUNCTIONAL	100%	128	0.029	0.019	0.010	35.36%
432/132	432/312402	TOWN	TPNODL190011691	100	MIXED	AMI	FUNCTIONAL	100%	6	0.004	0.003	0.001	29.28%
432/132	432/312402	TOWN	TPNODL190011695	100	MIXED	AMI	FUNCTIONAL	100%	90	0.049	0.031	0.019	38.05%
432/132	432/312402	TOWN	TPNODL190011701	100	MIXED	AMI	FUNCTIONAL	100%	99	0.023	0.012	0.011	47.76%
432/132	432/312402	TOWN	TPNODL190011810	100	MIXED	AMI	FUNCTIONAL	100%	83	0.029	0.019	0.010	33.27%
432/132	432/312402	TOWN	TPNODL190011811	100	MIXED	AMI	FUNCTIONAL	100%	84	0.024	0.012	0.012	48.69%
432/132	432/312402	TOWN	TPNODL190011814	100	MIXED	AMI	FUNCTIONAL	100%	75	0.015	0.011	0.004	27.70%
432/132	432/312402	TOWN	TPNODL190012034	100	MIXED	AMI	FUNCTIONAL	100%	149	0.051	0.029	0.022	43.24%
432/132	432/312402	TOWN	TPNODL190004804	100	MIXED	AMI	FUNCTIONAL	100%	88	0.040	0.021	0.019	47.75%
432/132	432/312402	TOWN	TPNODL190003668	100	MIXED	AMI	FUNCTIONAL	100%	93	0.048	0.039	0.010	19.87%
432/132	432/312402	TOWN	TPNODL190003669	100	MIXED	AMI	FUNCTIONAL	100%	122	0.029	0.025	0.005	15.99%
432/132	432/312402	TOWN	TPNODL190003671	100	MIXED	AMI	FUNCTIONAL	100%	70	0.039	0.026	0.013	34.69%
432/132	432/312402	TOWN	TPNODL190004812	100	MIXED	AMI	FUNCTIONAL	100%	57	0.022	0.018	0.004	18.77%
432/132	432/312402	TOWN	TPNODL190007021	250	MIXED	AMI	FUNCTIONAL	100%	67	0.027	0.023	0.003	17.23%
432/132	432/312402	CHALANTI	TPNODL190001172	100	MIXED	AMI	FUNCTIONAL	100%	245	0.037	0.029	0.008	23.03%
432/132	432/312402	CHALANTI	TPNODL190004498	100	MIXED	AMI	FUNCTIONAL	100%	47	0.003	0.002	0.001	28.07%
432/132	432/312402	CHALANTI	TPNODL190011105	100	MIXED	AMI	FUNCTIONAL	100%	38	0.005	0.004	0.001	19.79%
432/132	432/312402	CHALANTI	TPNODL190011733	100	MIXED	AMI	FUNCTIONAL	100%	106	0.028	0.021	0.008	27.01%
432/132	432/312402	CHALANTI	TPNODL190012197	100	MIXED	AMI	FUNCTIONAL	100%	83	0.017	0.008	0.009	52.53%
432/132	432/312402	CHALANTI	TPNODL190008113	100	MIXED	AMI	FUNCTIONAL	100%	93	0.014	0.008	0.005	40.65%
432/132	432/312403	SALIKOTHA	TPNODL190000871	100	MIXED	AMI	FUNCTIONAL	100%	53	0.014	0.010	0.004	28.78%
432/132	432/312403	SALIKOTHA	TPNODL190000873	100	MIXED	AMI	FUNCTIONAL	100%	78	0.014	0.009	0.005	36.13%
432/132	432/312403	SALIKOTHA	TPNODL190000874	100	MIXED	AMI	FUNCTIONAL	100%	149	0.040	0.021	0.019	48.28%
432/132	432/312403	SALIKOTHA	TPNODL190000875	100	MIXED	AMI	FUNCTIONAL	100%	147	0.052	0.024	0.028	54.03%

Details of DT-wise losses (please add more rows as per requirement)													
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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4323124	432352403	SALKOTHA	TPNODL39001702	100	MIXED	AMI	FUNCTIONAL	100%	123	0.033	0.021	0.012	35.59%
4323124	432352403	SALKOTHA	TPNODL39003180	100	MIXED	AMI	FUNCTIONAL	100%	109	0.028	0.016	0.012	43.18%
4323124	432352403	SALKOTHA	TPNODL39005244	100	MIXED	AMI	FUNCTIONAL	100%	149	0.029	0.017	0.012	41.61%
4323124	432352403	SALKOTHA	TPNODL39005245	100	MIXED	AMI	FUNCTIONAL	100%	143	0.038	0.016	0.022	55.66%
4323124	432352403	SALKOTHA	TPNODL39005247	100	MIXED	AMI	FUNCTIONAL	100%	33	0.008	0.005	0.003	38.49%
4323124	432352403	SALKOTHA	TPNODL39005665	100	MIXED	AMI	FUNCTIONAL	100%	114	0.020	0.010	0.010	48.25%
4323124	432352403	SALKOTHA	TPNODL39005685	100	MIXED	AMI	FUNCTIONAL	100%	93	0.019	0.009	0.010	52.28%
4323124	432352403	SALKOTHA	TPNODL39005686	100	MIXED	AMI	FUNCTIONAL	100%	50	0.003	0.003	0.000	10.97%
4323124	432352403	SALKOTHA	TPNODL39005808	100	MIXED	AMI	FUNCTIONAL	100%	66	0.014	0.011	0.003	19.20%
4323124	432352403	SALKOTHA	TPNODL39006812	100	MIXED	AMI	FUNCTIONAL	100%	56	0.017	0.011	0.007	37.89%
4323124	432352403	SALKOTHA	TPNODL39005811	100	MIXED	AMI	FUNCTIONAL	100%	97	0.032	0.030	0.002	5.66%
4323124	432352403	SALKOTHA	TPNODL39006131	100	MIXED	AMI	FUNCTIONAL	100%	127	0.033	0.012	0.021	66.90%
4323124	432352404	BARAGADIA	TPNODL39001357	100	MIXED	AMI	FUNCTIONAL	100%	53	0.014	0.007	0.007	49.66%
4323124	432352404	BARAGADIA	TPNODL39001397	100	MIXED	AMI	FUNCTIONAL	100%	59	0.036	0.025	0.011	31.15%
4323124	432352404	BARAGADIA	TPNODL39001457	100	MIXED	AMI	FUNCTIONAL	100%	101	0.042	0.017	0.025	59.95%
4323124	432352404	BARAGADIA	TPNODL39001459	100	MIXED	AMI	FUNCTIONAL	100%	86	0.025	0.016	0.009	35.80%
4323124	432352404	BARAGADIA	TPNODL39001542	100	MIXED	AMI	FUNCTIONAL	100%	80	0.033	0.016	0.017	51.58%
4323124	432352404	BARAGADIA	TPNODL39001601	100	MIXED	AMI	FUNCTIONAL	100%	39	0.013	0.006	0.007	56.22%
4323124	432352404	BARAGADIA	TPNODL39001646	100	MIXED	AMI	FUNCTIONAL	100%	28	0.018	0.011	0.007	39.50%
4323124	432352404	BARAGADIA	TPNODL39001725	100	MIXED	AMI	FUNCTIONAL	100%	79	0.027	0.014	0.014	50.78%
4323124	432352404	BARAGADIA	TPNODL39001727	100	MIXED	AMI	FUNCTIONAL	100%	77	0.021	0.013	0.009	40.42%
4323124	432352404	BARAGADIA	TPNODL39001812	100	MIXED	AMI	FUNCTIONAL	100%	66	0.040	0.021	0.018	46.20%
4323124	432352404	BARAGADIA	TPNODL39001813	100	MIXED	AMI	FUNCTIONAL	100%	70	0.030	0.017	0.013	42.32%
4323124	432352404	BARAGADIA	TPNODL39005183	100	MIXED	AMI	FUNCTIONAL	100%	42	0.014	0.011	0.003	22.50%
4323124	432352404	BARAGADIA	TPNODL39006112	100	MIXED	AMI	FUNCTIONAL	100%	133	0.030	0.025	0.005	16.46%
4323124	432352404	BARAGADIA	TPNODL39006547	100	MIXED	AMI	FUNCTIONAL	100%	81	0.019	0.011	0.009	45.32%
4323124	432352404	BARAGADIA	TPNODL39007021	100	MIXED	AMI	FUNCTIONAL	100%	39	0.018	0.011	0.008	41.09%
4323124	432352405	MEDICAL	TPNODL39000116	100	MIXED	AMI	FUNCTIONAL	100%	49	0.012	0.006	0.006	48.38%
4323124	432352405	MEDICAL	TPNODL39001640	100	MIXED	AMI	FUNCTIONAL	100%	37	0.013	0.010	0.003	21.37%
4323130	432353501	DEMURIA	TPNODL39001507	100	MIXED	AMI	FUNCTIONAL	100%	51	0.008	0.003	0.004	58.90%
4323130	432353501	DEMURIA	TPNODL39005972	100	MIXED	AMI	FUNCTIONAL	100%	187	0.049	0.033	0.016	32.66%
4323130	432353501	DEMURIA	TPNODL39006072	100	MIXED	AMI	FUNCTIONAL	100%	10	0.009	0.006	0.003	35.80%
4323130	432353501	DEMURIA	TPNODL39006115	100	MIXED	AMI	FUNCTIONAL	100%	104	0.022	0.012	0.010	45.00%
4323130	432353501	DEMURIA	TPNODL39006833	250	MIXED	AMI	FUNCTIONAL	100%	153	0.045	0.041	0.004	8.73%
4323130	432353501	AMBLIATHA	TPNODL39000289	100	MIXED	AMI	FUNCTIONAL	100%	120	0.040	0.025	0.016	39.40%
4323130	432353501	AMBLIATHA	TPNODL39000439	100	MIXED	AMI	FUNCTIONAL	100%	32	0.011	0.006	0.005	48.62%
4323130	432353502	AMBLIATHA	TPNODL39000128	100	MIXED	AMI	FUNCTIONAL	100%	133	0.022	0.010	0.012	53.09%
4323130	432353502	AMBLIATHA	TPNODL39000659	100	MIXED	AMI	FUNCTIONAL	100%	27	0.006	0.003	0.003	51.64%

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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=((6)/(4))*100
432135	43213350	AMBUJATHA	TPNODL39000702	100	MIXED	AMI	FUNCTIONAL	100%	67	0.016	0.010	0.006	38.85%
432135	43213350	SUGO	TPNODL39000190	100	MIXED	AMI	FUNCTIONAL	100%	78	0.028	0.020	0.008	29.66%
432135	43213350	SUGO	TPNODL39000261	100	MIXED	AMI	FUNCTIONAL	100%	56	0.061	0.034	0.027	43.57%
432135	43213350	SUGO	TPNODL39000262	100	MIXED	AMI	FUNCTIONAL	100%	144	0.034	0.028	0.006	18.12%
432135	43213350	SUGO	TPNODL39000266	100	MIXED	AMI	FUNCTIONAL	100%	103	0.032	0.018	0.014	44.88%
432135	43213350	SUGO	TPNODL39000561	100	MIXED	AMI	FUNCTIONAL	100%	75	0.029	0.018	0.015	51.18%
432135	43213350	SUGO	TPNODL39001412	100	MIXED	AMI	FUNCTIONAL	100%	89	0.031	0.024	0.008	24.18%
432135	43213350	SUGO	TPNODL39001970	100	MIXED	AMI	FUNCTIONAL	100%	19	0.009	0.006	0.003	36.52%
432135	43213350	SUGO	TPNODL39003214	100	MIXED	AMI	FUNCTIONAL	100%	72	0.019	0.009	0.010	52.09%
432135	43213350	SUGO	TPNODL39005872	100	MIXED	AMI	FUNCTIONAL	100%	92	0.025	0.016	0.019	54.83%
432135	43213350	SUGO	TPNODL39006052	100	MIXED	AMI	FUNCTIONAL	100%	137	0.037	0.021	0.016	43.78%
432142	43213420	BHUADA	TPNODL39000533	100	MIXED	AMI	FUNCTIONAL	100%	91	0.017	0.009	0.008	46.18%
432142	43213420	BHUADA	TPNODL39000634	100	MIXED	AMI	FUNCTIONAL	100%	98	0.015	0.012	0.003	22.42%
432142	43213420	BHUADA	TPNODL39000735	100	MIXED	AMI	FUNCTIONAL	100%	83	0.024	0.016	0.008	32.98%
432142	43213420	BHUADA	TPNODL39000755	100	MIXED	AMI	FUNCTIONAL	100%	89	0.013	0.009	0.005	34.35%
432142	43213420	BHUADA	TPNODL39000788	100	MIXED	AMI	FUNCTIONAL	100%	107	0.020	0.015	0.005	24.75%
432142	43213420	BHUADA	TPNODL39000423	100	MIXED	AMI	FUNCTIONAL	100%	66	0.011	0.008	0.003	28.47%
432143	43213430	RAJWADAR	TPNODL39000096	100	MIXED	AMI	FUNCTIONAL	100%	119	0.038	0.017	0.021	55.83%
432143	43213430	RAJWADAR	TPNODL39000097	100	MIXED	AMI	FUNCTIONAL	100%	215	0.054	0.027	0.027	49.50%
432143	43213430	RAJWADAR	TPNODL39000971	100	MIXED	AMI	FUNCTIONAL	100%	186	0.038	0.024	0.014	37.97%
432143	43213430	RAJWADAR	TPNODL39007940	100	MIXED	AMI	FUNCTIONAL	100%	82	0.014	0.007	0.007	51.66%
432143	43213430	BOHIRASAH	TPNODL39000056	100	MIXED	AMI	FUNCTIONAL	100%	102	0.017	0.010	0.011	40.17%
432143	43213430	BOHIRASAH	TPNODL39000212	100	MIXED	AMI	FUNCTIONAL	100%	100	0.013	0.011	0.002	17.73%
432143	43213430	BOHIRASAH	TPNODL39000508	100	MIXED	AMI	FUNCTIONAL	100%	156	0.039	0.018	0.021	52.80%
432143	43213430	BOHIRASAH	TPNODL39000510	100	MIXED	AMI	FUNCTIONAL	100%	45	0.007	0.005	0.001	15.77%
432143	43213430	BOHIRASAH	TPNODL39001703	100	MIXED	AMI	FUNCTIONAL	100%	26	0.002	0.002	0.000	8.75%
432144	43213440	CHUDAMANPUR	TPNODL39000307	100	MIXED	AMI	FUNCTIONAL	100%	19	0.003	0.001	0.002	57.58%
432144	43213440	CHUDAMANPUR	TPNODL39004608	100	MIXED	AMI	FUNCTIONAL	100%	114	0.007	0.006	0.001	9.09%
432144	43213440	CHUDAMANPUR	TPNODL39004609	100	MIXED	AMI	FUNCTIONAL	100%	53	0.007	0.005	0.002	30.66%
432144	43213440	MAHUJA -1	TPNODL39001610	100	MIXED	AMI	FUNCTIONAL	100%	115	0.043	0.034	0.009	22.03%
432144	43213440	MAHUJA -1	TPNODL39001722	100	MIXED	AMI	FUNCTIONAL	100%	107	0.038	0.028	0.011	28.31%
432144	43213440	MAHUJA -1	TPNODL39002035	100	MIXED	AMI	FUNCTIONAL	100%	173	0.039	0.028	0.021	52.17%
432144	43213440	MAHUJA -1	TPNODL39001197	100	MIXED	AMI	FUNCTIONAL	100%	59	0.017	0.013	0.005	26.73%
432143	43213430	SAGY	TPNODL39000058	100	MIXED	AMI	FUNCTIONAL	100%	103	0.012	0.009	0.003	24.29%
432144	43213440	SAGY	TPNODL39001508	100	MIXED	AMI	FUNCTIONAL	100%	66	0.016	0.012	0.005	27.86%
432144	43213440	SAGY	TPNODL39001501	100	MIXED	AMI	FUNCTIONAL	100%	90	0.017	0.013	0.004	25.60%
432144	43213440	SAGY	TPNODL39001503	100	MIXED	AMI	FUNCTIONAL	100%	98	0.031	0.019	0.012	38.94%
432144	43213440	SAGY	TPNODL39001612	100	MIXED	AMI	FUNCTIONAL	100%	47	0.007	0.004	0.002	33.81%

Details of DT-wise losses (please add more rows as per requirement)													
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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=((6)/(4))*100
4323147	432314701	MAHUJA -1	TPNODL39000036	100	MIXED	AMI	FUNCTIONAL	100%	67	0.066	0.032	0.034	51.87%
4323147	432314701	MAHUJA -2	TPNODL39000038	100	MIXED	AMI	FUNCTIONAL	100%	129	0.023	0.020	0.003	12.09%
4323147	432314701	MAHUJA -2	TPNODL39000188	100	MIXED	AMI	FUNCTIONAL	100%	116	0.024	0.012	0.012	49.15%
4323147	432314701	MAHUJA -2	TPNODL39000290	100	MIXED	AMI	FUNCTIONAL	100%	86	0.017	0.012	0.005	30.59%
4323147	432314701	MAHUJA -2	TPNODL39003128	100	MIXED	AMI	FUNCTIONAL	100%	134	0.017	0.011	0.016	59.79%
4323147	432314701	MAHUJA -2	TPNODL39005131	100	MIXED	AMI	FUNCTIONAL	100%	117	0.020	0.012	0.008	39.46%
4323147	432314701	MAHUJA -2	TPNODL39005351	100	MIXED	AMI	FUNCTIONAL	100%	69	0.019	0.018	0.001	13.88%
4323147	432314701	MAHUJA -2	TPNODL39005533	100	MIXED	AMI	FUNCTIONAL	100%	19	0.008	0.004	0.004	53.24%
4323147	432314701	MAHUJA -2	TPNODL39005667	100	MIXED	AMI	FUNCTIONAL	100%	91	0.031	0.018	0.013	41.39%
4323215	432321501	KUJUDA	TPNODL39001094	100	MIXED	AMI	FUNCTIONAL	100%	89	0.021	0.009	0.012	59.07%
4323215	432321501	KUJUDA	TPNODL39001623	100	MIXED	AMI	FUNCTIONAL	100%	133	0.030	0.013	0.018	59.98%
4323215	432321501	KUJUDA	TPNODL39001700	100	MIXED	AMI	FUNCTIONAL	100%	124	0.029	0.015	0.013	46.14%
4323215	432321501	KUJUDA	TPNODL39001969	100	MIXED	AMI	FUNCTIONAL	100%	78	0.017	0.011	0.016	58.81%
4323215	432321501	KUJUDA	TPNODL39004803	100	MIXED	AMI	FUNCTIONAL	100%	45	0.009	0.005	0.004	44.28%
4323215	432321501	KUJUDA	TPNODL39005181	100	MIXED	AMI	FUNCTIONAL	100%	54	0.010	0.007	0.002	23.46%
4323215	432321501	KUJUDA	TPNODL39005349	100	MIXED	AMI	FUNCTIONAL	100%	150	0.033	0.024	0.009	28.12%
4323215	432321501	KUJUDA	TPNODL39005517	100	MIXED	AMI	FUNCTIONAL	100%	94	0.010	0.008	0.002	23.12%
4323215	432321501	KUJUDA	TPNODL39005848	100	MIXED	AMI	FUNCTIONAL	100%	61	0.008	0.004	0.004	47.39%
4323215	432321501	KUJUDA	TPNODL39006467	100	MIXED	AMI	FUNCTIONAL	100%	60	0.007	0.005	0.002	32.27%
4323215	432321501	KUJUDA	TPNODL39006701	100	MIXED	AMI	FUNCTIONAL	100%	69	0.013	0.007	0.005	43.47%
4323215	432321502	BALIM	TPNODL39004808	100	MIXED	AMI	FUNCTIONAL	100%	76	0.007	0.006	0.001	15.12%
4323215	432321502	BALIM	TPNODL39004898	100	MIXED	AMI	FUNCTIONAL	100%	50	0.007	0.004	0.003	44.03%
4323215	432321502	BALIM	TPNODL39005612	100	MIXED	AMI	FUNCTIONAL	100%	61	0.018	0.017	0.002	8.48%
4323215	432321504	KAMARDA	TPNODL39002199	100	MIXED	AMI	FUNCTIONAL	100%	157	0.035	0.022	0.013	36.95%
4323215	432321504	KAMARDA	TPNODL39004898	100	MIXED	AMI	FUNCTIONAL	100%	162	0.066	0.046	0.020	30.73%
4323215	432321504	KAMARDA	TPNODL39005175	100	MIXED	AMI	FUNCTIONAL	100%	151	0.048	0.027	0.019	40.71%
4323215	432321505	MAHABAV	TPNODL39001973	100	MIXED	AMI	FUNCTIONAL	100%	105	0.025	0.016	0.013	53.68%
4323215	432321505	MAHABAV	TPNODL39004493	100	MIXED	AMI	FUNCTIONAL	100%	84	0.017	0.012	0.005	28.84%
4323215	432321506	PUTNA	TPNODL39000003	100	MIXED	AMI	FUNCTIONAL	100%	38	0.003	0.002	0.001	35.57%
4323215	432321506	PUTNA	TPNODL39000176	100	MIXED	AMI	FUNCTIONAL	100%	39	0.009	0.004	0.005	58.81%
4323215	432321506	PUTNA	TPNODL39000410	100	MIXED	AMI	FUNCTIONAL	100%	60	0.010	0.005	0.005	48.84%
4323215	432321509	PUTNA	TPNODL39001502	100	MIXED	AMI	FUNCTIONAL	100%	96	0.025	0.011	0.014	56.09%
4323215	432321508	PUTNA	TPNODL39004637	100	MIXED	AMI	FUNCTIONAL	100%	75	0.016	0.008	0.007	47.28%
4323215	432321509	PUTNA	TPNODL39005182	100	MIXED	AMI	FUNCTIONAL	100%	47	0.012	0.005	0.007	58.72%
4323222	432322201	DELA	TPNODL39000004	100	MIXED	AMI	FUNCTIONAL	100%	51	0.007	0.003	0.003	37.51%
4323222	432322201	DELA	TPNODL39000005	100	MIXED	AMI	FUNCTIONAL	100%	80	0.007	0.005	0.002	33.03%
4323222	432322201	DELA	TPNODL39000078	100	MIXED	AMI	FUNCTIONAL	100%	133	0.020	0.008	0.011	53.46%
4323222	432322201	DELA	TPNODL39000497	100	MIXED	AMI	FUNCTIONAL	100%	80	0.013	0.008	0.004	30.79%

Details of DT-wise losses (please add more rows as per requirement)													
Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (kVA)	Predominant- consumer type of DT (Domestic/Industrial/Agricultural/ Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	150	0.030	0.021	0.015	50.86%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	121	0.028	0.017	0.011	38.29%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	39	0.007	0.004	0.003	38.36%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	61	0.015	0.007	0.008	53.05%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	164	0.028	0.024	0.004	13.66%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	121	0.013	0.009	0.004	27.48%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	129	0.024	0.016	0.008	32.16%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	107	0.012	0.008	0.004	34.07%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	42	0.005	0.004	0.001	25.40%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	148	0.020	0.014	0.006	30.78%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	73	0.009	0.005	0.004	45.68%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	131	0.025	0.017	0.009	33.40%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	107	0.021	0.013	0.008	38.90%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	64	0.011	0.007	0.004	40.17%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	205	0.037	0.028	0.009	25.35%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	98	0.019	0.011	0.007	38.85%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	129	0.025	0.016	0.009	36.12%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	107	0.020	0.013	0.007	34.36%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	183	0.058	0.035	0.023	40.07%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	109	0.011	0.006	0.005	48.86%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	138	0.014	0.009	0.005	36.68%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	66	0.010	0.006	0.004	35.89%
4323222	432322201	DEULA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	147	0.018	0.014	0.004	21.06%
4323222	432322202	DEHURDA (TOWN)	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	110	0.038	0.024	0.014	37.26%
4323222	432322202	DEHURDA (TOWN)	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	219	0.051	0.028	0.024	46.17%
4323222	432322202	DEHURDA (TOWN)	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	202	0.063	0.048	0.016	24.53%
4323222	432322202	DEHURDA (TOWN)	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	87	0.027	0.013	0.014	51.47%
4323222	432322202	DEHURDA (TOWN)	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	111	0.050	0.024	0.026	51.99%
4323222	432322203	CHAURI	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	244	0.052	0.030	0.022	42.31%
4323222	432322203	CHAURI	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	263	0.034	0.024	0.010	28.20%
4323222	432322204	JAIRAMPUR	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	193	0.017	0.015	0.002	12.52%
4323222	432322204	JAIRAMPUR	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	92	0.013	0.009	0.005	35.00%
4323222	432322204	JAIRAMPUR	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	188	0.020	0.013	0.007	36.11%
4323222	432322204	JAIRAMPUR	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	251	0.043	0.028	0.015	33.99%
4323222	432322204	JAIRAMPUR	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	78	0.025	0.011	0.014	56.30%
4323222	432322205	ALALBINDHA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	78	0.012	0.011	0.001	5.16%
4323222	432322205	ALALBINDHA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	145	0.022	0.018	0.004	18.37%
4323222	432322205	ALALBINDHA	[illegible]	100	MIXED	AMI	FUNCTIONAL	100%	56	0.012	0.008	0.004	31.20%

Details of DT-wise losses (please add more rows as per requirement)													
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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4323222	432322203	ALALBINDHA	TPNODL39009544	100	MIXED	AMI	FUNCTIONAL	100%	181	0.032	0.013	0.019	58.80%
4323222	432322203	ALALBINDHA	TPNODL39007642	100	MIXED	AMI	FUNCTIONAL	100%	98	0.018	0.008	0.009	51.89%
4323241	432324101	BHOGRAI	TPNODL39000594	100	MIXED	AMI	FUNCTIONAL	100%	39	0.009	0.005	0.004	43.11%
4323241	432324101	BHOGRAI	TPNODL39000544	63	MIXED	AMI	FUNCTIONAL	100%	52	0.009	0.006	0.004	41.44%
4323241	432324101	BHOGRAI	TPNODL39000636	100	MIXED	AMI	FUNCTIONAL	100%	53	0.024	0.015	0.009	38.00%
4323241	432324101	BHOGRAI	TPNODL39000679	63	MIXED	AMI	FUNCTIONAL	100%	59	0.018	0.011	0.007	40.37%
4323241	432324101	BHOGRAI	TPNODL39000692	100	MIXED	AMI	FUNCTIONAL	100%	82	0.012	0.009	0.003	24.31%
4323241	432324101	BHOGRAI	TPNODL39000693	100	MIXED	AMI	FUNCTIONAL	100%	141	0.014	0.010	0.005	34.17%
4323241	432324101	BHOGRAI	TPNODL39000694	100	MIXED	AMI	FUNCTIONAL	100%	62	0.014	0.008	0.005	35.47%
4323241	432324101	BHOGRAI	TPNODL39000703	100	MIXED	AMI	FUNCTIONAL	100%	195	0.043	0.018	0.025	58.52%
4323241	432324102	KHALABADIA (BARTANA)	TPNODL39000415	63	MIXED	AMI	FUNCTIONAL	100%	50	0.009	0.006	0.004	38.42%
4323241	432324102	KHALABADIA (BARTANA)	TPNODL39000546	100	MIXED	AMI	FUNCTIONAL	100%	98	0.017	0.009	0.008	45.07%
4323241	432324102	KHALABADIA (BARTANA)	TPNODL39000574	100	MIXED	AMI	FUNCTIONAL	100%	110	0.024	0.012	0.012	50.58%
4323241	432324102	KHALABADIA (BARTANA)	TPNODL39000669	100	MIXED	AMI	FUNCTIONAL	100%	185	0.024	0.013	0.011	46.55%
4323241	432324102	KHALABADIA (BARTANA)	TPNODL39000679	100	MIXED	AMI	FUNCTIONAL	100%	66	0.019	0.008	0.011	57.79%
4323241	432324102	KHALABADIA (BARTANA)	TPNODL39000695	100	MIXED	AMI	FUNCTIONAL	100%	61	0.037	0.023	0.014	38.26%
4323241	432324102	KHALABADIA (BARTANA)	TPNODL39000701	100	MIXED	AMI	FUNCTIONAL	100%	184	0.038	0.015	0.023	59.76%
4323241	432324102	KHALABADIA (BARTANA)	TPNODL39000702	100	MIXED	AMI	FUNCTIONAL	100%	159	0.034	0.017	0.017	51.18%
4323241	432324103	GANDA	TPNODL39000528	100	MIXED	AMI	FUNCTIONAL	100%	81	0.034	0.020	0.015	42.92%
4323241	432324103	GANDA	TPNODL39000531	100	MIXED	AMI	FUNCTIONAL	100%	107	0.027	0.020	0.007	25.22%
4323241	432324103	GANDA	TPNODL39000592	100	MIXED	AMI	FUNCTIONAL	100%	283	0.050	0.028	0.023	45.04%
4323241	432324103	GANDA	TPNODL39000645	100	MIXED	AMI	FUNCTIONAL	100%	94	0.029	0.018	0.011	37.86%
4323241	432324103	GANDA	TPNODL39000646	100	MIXED	AMI	FUNCTIONAL	100%	184	0.025	0.011	0.014	55.98%
4323241	432324103	GANDA	TPNODL39000647	25	MIXED	AMI	FUNCTIONAL	100%	50	0.009	0.005	0.004	39.29%
4323241	432324103	GANDA	TPNODL39000680	100	MIXED	AMI	FUNCTIONAL	100%	152	0.043	0.029	0.013	31.01%
4323244	432324401	CHANDANESWAR	TPNODL39000278	63	MIXED	AMI	FUNCTIONAL	100%	37	0.007	0.004	0.003	46.76%
4323244	432324401	CHANDANESWAR	TPNODL39000294	63	MIXED	AMI	FUNCTIONAL	100%	75	0.011	0.008	0.003	23.20%
4323244	432324401	CHANDANESWAR	TPNODL39000517	100	MIXED	AMI	FUNCTIONAL	100%	64	0.007	0.005	0.002	31.39%
4323244	432324401	CHANDANESWAR	TPNODL39000573	100	MIXED	AMI	FUNCTIONAL	100%	45	0.009	0.005	0.003	37.49%
4323244	432324401	CHANDANESWAR	TPNODL39000624	100	MIXED	AMI	FUNCTIONAL	100%	143	0.026	0.022	0.004	13.96%
4323244	432324401	CHANDANESWAR	TPNODL39000625	100	MIXED	AMI	FUNCTIONAL	100%	188	0.028	0.019	0.009	33.40%
4323244	432324401	CHANDANESWAR	TPNODL39000626	100	MIXED	AMI	FUNCTIONAL	100%	81	0.023	0.011	0.011	49.84%
4323244	432324401	CHANDANESWAR	TPNODL39000627	100	MIXED	AMI	FUNCTIONAL	100%	197	0.052	0.049	0.003	5.36%
4323244	432324401	CHANDANESWAR	TPNODL39000681	100	MIXED	AMI	FUNCTIONAL	100%	161	0.025	0.015	0.010	41.17%
4323244	432324401	CHANDANESWAR	TPNODL39000682	63	MIXED	AMI	FUNCTIONAL	100%	56	0.021	0.013	0.008	37.11%
4323244	432324401	CHANDANESWAR	TPNODL39000717	63	MIXED	AMI	FUNCTIONAL	100%	46	0.010	0.005	0.005	47.46%
4323244	432324401	CHANDANESWAR	TPNODL39000718	100	MIXED	AMI	FUNCTIONAL	100%	142	0.029	0.021	0.009	29.67%
4323244	432324401	CHANDANESWAR	TPNODL39000719	63	MIXED	AMI	FUNCTIONAL	100%	33	0.007	0.004	0.003	36.40%

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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4323244	432324401	CHANDANESWAR	TPNODL39000823	100	MIXED	AMI	FUNCTIONAL	100%	156	0.039	0.018	0.021	54.33%
4323244	432324401	CHANDANESWAR	TPNODL39000837	100	MIXED	AMI	FUNCTIONAL	100%	38	0.009	0.004	0.005	55.89%
4323244	432324401	CHANDANESWAR	TPNODL39000838	63	MIXED	AMI	FUNCTIONAL	100%	107	0.018	0.009	0.010	52.87%
4323244	432324401	CHANDANESWAR	TPNODL39000839	100	MIXED	AMI	FUNCTIONAL	100%	103	0.019	0.011	0.008	43.85%
4323244	432324401	CHANDANESWAR	TPNODL39005086	100	MIXED	AMI	FUNCTIONAL	100%	156	0.024	0.018	0.006	23.68%
4323244	432324401	CHANDANESWAR	TPNODL39005667	100	MIXED	AMI	FUNCTIONAL	100%	182	0.038	0.024	0.014	37.24%
4323244	432324401	CHANDANESWAR	TPNODL39005675	100	MIXED	AMI	FUNCTIONAL	100%	169	0.029	0.023	0.006	22.09%
4323244	432324401	CHANDANESWAR	TPNODL39006172	100	MIXED	AMI	FUNCTIONAL	100%	88	0.015	0.007	0.007	49.59%
4323244	432324401	CHANDANESWAR	TPNODL39006834	100	MIXED	AMI	FUNCTIONAL	100%	122	0.016	0.012	0.004	26.85%
4323244	432324401	CHANDANESWAR	TPNODL39006835	100	MIXED	AMI	FUNCTIONAL	100%	101	0.012	0.009	0.003	26.09%
4323244	432324402	BANKOTHA	TPNODL39000791	100	MIXED	AMI	FUNCTIONAL	100%	120	0.013	0.009	0.005	34.90%
4323244	432324402	BANKOTHA	TPNODL39000109	100	DOMESTIC	AMI	FUNCTIONAL	100%	1	0.008	0.006	0.003	38.12%
4323244	432324402	BANKOTHA	TPNODL39000511	100	MIXED	AMI	FUNCTIONAL	100%	83	0.010	0.006	0.004	36.40%
4323244	432324402	BANKOTHA	TPNODL39006521	100	MIXED	AMI	FUNCTIONAL	100%	72	0.005	0.003	0.003	39.28%
4323244	432324402	BANKOTHA	TPNODL39006528	100	MIXED	AMI	FUNCTIONAL	100%	43	0.008	0.004	0.003	44.28%
4323244	432324403	NIMATPUR	TPNODL39000298	100	MIXED	AMI	FUNCTIONAL	100%	211	0.036	0.020	0.016	44.36%
4323244	432324403	NIMATPUR	TPNODL39000337	100	MIXED	AMI	FUNCTIONAL	100%	18	0.003	0.001	0.001	42.30%
4323244	432324403	NIMATPUR	TPNODL39004732	100	MIXED	AMI	FUNCTIONAL	100%	44	0.012	0.006	0.006	53.27%
4323244	432324403	NIMATPUR	TPNODL39005098	100	MIXED	AMI	FUNCTIONAL	100%	74	0.014	0.006	0.008	58.08%
4323244	432324403	NIMATPUR	TPNODL39005944	100	MIXED	AMI	FUNCTIONAL	100%	85	0.011	0.005	0.006	56.36%
4323244	432324403	NIMATPUR	TPNODL39006494	100	MIXED	AMI	FUNCTIONAL	100%	193	0.023	0.018	0.005	22.38%
4323244	432324403	NIMATPUR	TPNODL39006585	100	MIXED	AMI	FUNCTIONAL	100%	121	0.017	0.009	0.007	43.16%
4323256	432325602	UPALA	TPNODL39000037	100	MIXED	AMI	FUNCTIONAL	100%	108	0.010	0.008	0.002	18.77%
4323256	432325602	UPALA	TPNODL39001720	100	MIXED	AMI	FUNCTIONAL	100%	47	0.007	0.005	0.002	24.74%
4323256	432325602	UPALA	TPNODL39004970	100	MIXED	AMI	FUNCTIONAL	100%	79	0.009	0.006	0.004	39.98%
4323256	432325602	UPALA	TPNODL39005440	100	MIXED	AMI	FUNCTIONAL	100%	158	0.062	0.045	0.017	27.21%
4323256	432325602	UPALA	TPNODL39005568	100	MIXED	AMI	FUNCTIONAL	100%	99	0.017	0.012	0.005	29.84%
4323256	432325602	UPALA	TPNODL39005571	100	MIXED	AMI	FUNCTIONAL	100%	60	0.007	0.003	0.004	55.32%
4323256	432325604	BELDA	TPNODL39000178	100	DOMESTIC	AMI	FUNCTIONAL	100%	1	0.003	0.002	0.001	39.70%
4325113	432511301	KESHARIPUR	TPNODL39006552	100	MIXED	AMI	FUNCTIONAL	100%	85	0.012	0.005	0.006	53.89%
4325113	432511303	MANGALPUR	TPNODL39007070	100	MIXED	AMI	FUNCTIONAL	100%	106	0.012	0.005	0.006	53.90%
4325113	432511303	MANGALPUR	TPNODL39008329	100	MIXED	AMI	FUNCTIONAL	100%	78	0.007	0.003	0.004	53.80%
4325115	432511502	MANIPUR	TPNODL39006633	100	MIXED	AMI	FUNCTIONAL	100%	62	0.007	0.005	0.002	30.88%
4325115	432511502	MANIPUR	TPNODL39006806	100	MIXED	AMI	FUNCTIONAL	100%	121	0.009	0.008	0.001	11.08%
4325115	432511502	MANIPUR	TPNODL39007241	100	MIXED	AMI	FUNCTIONAL	100%	80	0.007	0.004	0.003	39.49%
4325115	432511502	MANIPUR	TPNODL39009084	100	MIXED	AMI	FUNCTIONAL	100%	85	0.003	0.002	0.001	23.10%
4325113	432511303	MANGALPUR	TPNODL39004555	100	MIXED	AMI	FUNCTIONAL	100%	100	0.020	0.015	0.005	25.29%
4325113	432511303	MANGALPUR	TPNODL39006804	100	MIXED	AMI	FUNCTIONAL	100%	8	0.006	0.004	0.002	33.86%

Details of DT-wise losses (please add more rows as per requirement)

Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (kVA)	Predominant- consumer type of DT (Domestic/Industrial/Agricultural/ Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4325115	432511503	MANGALPUR	TPNODL39006607	100	MIXED	AMI	FUNCTIONAL	100%	120	0.010	0.008	0.003	34.00%
4325115	432511503	MANGALPUR	TPNODL39008228	100	MIXED	AMI	FUNCTIONAL	100%	160	0.018	0.008	0.010	57.07%
4325115	432511503	MANGALPUR	TPNODL39009087	100	MIXED	AMI	FUNCTIONAL	100%	100	0.016	0.011	0.006	34.37%
4325115	432511504	SOROTOWN	TPNODL39002210	100	MIXED	AMI	FUNCTIONAL	100%	61	0.005	0.003	0.002	39.95%
4325115	432511504	SOROTOWN	TPNODL39004122	100	MIXED	AMI	FUNCTIONAL	100%	62	0.007	0.005	0.002	23.26%
4325115	432511504	SOROTOWN	TPNODL39004879	100	MIXED	AMI	FUNCTIONAL	100%	92	0.017	0.009	0.009	49.64%
4325115	432511504	SOROTOWN	TPNODL39006008	100	MIXED	AMI	FUNCTIONAL	100%	38	0.005	0.003	0.002	43.30%
4325115	432511504	SOROTOWN	TPNODL39006092	100	MIXED	AMI	FUNCTIONAL	100%	72	0.009	0.004	0.005	51.80%
4325115	432511504	SOROTOWN	TPNODL39006184	100	MIXED	AMI	FUNCTIONAL	100%	62	0.009	0.006	0.003	34.20%
4325115	432511504	SOROTOWN	TPNODL39006195	100	MIXED	AMI	FUNCTIONAL	100%	156	0.016	0.008	0.008	48.89%
4325115	432511504	SOROTOWN	TPNODL39006267	100	MIXED	AMI	FUNCTIONAL	100%	93	0.016	0.007	0.009	54.00%
4325115	432511504	SOROTOWN	TPNODL39006499	250	MIXED	AMI	FUNCTIONAL	100%	334	0.056	0.023	0.012	34.33%
4325115	432511504	SOROTOWN	TPNODL39007240	100	MIXED	AMI	FUNCTIONAL	100%	109	0.026	0.018	0.008	31.36%
4325115	432511504	SOROTOWN	TPNODL39007244	100	MIXED	AMI	FUNCTIONAL	100%	49	0.013	0.008	0.005	41.55%
4325115	432511504	SOROTOWN	TPNODL39007258	500	MIXED	AMI	FUNCTIONAL	100%	234	0.051	0.029	0.023	43.99%
4325115	432511504	SOROTOWN	TPNODL39008861	100	MIXED	AMI	FUNCTIONAL	100%	62	0.009	0.007	0.003	28.00%
4325115	432511504	SOROTOWN	TPNODL39008409	100	MIXED	AMI	FUNCTIONAL	100%	134	0.029	0.016	0.013	43.88%
4325115	432511505	UTTARESWAR	TPNODL39001780	100	MIXED	AMI	FUNCTIONAL	100%	131	0.023	0.010	0.013	50.50%
4325115	432511505	UTTARESWAR	TPNODL39002201	100	MIXED	AMI	FUNCTIONAL	100%	47	0.009	0.007	0.003	28.00%
4325115	432511505	UTTARESWAR	TPNODL39003088	100	MIXED	AMI	FUNCTIONAL	100%	44	0.015	0.010	0.005	34.35%
4325115	432511505	UTTARESWAR	TPNODL39006006	100	MIXED	AMI	FUNCTIONAL	100%	37	0.023	0.021	0.011	50.17%
4325115	432511505	UTTARESWAR	TPNODL39007084	100	MIXED	AMI	FUNCTIONAL	100%	116	0.016	0.013	0.003	16.07%
4325122	432512201	BANIA	TPNODL39000136	100	MIXED	AMI	FUNCTIONAL	100%	121	0.009	0.004	0.005	53.49%
4325122	432512201	BANIA	TPNODL39000139	100	MIXED	AMI	FUNCTIONAL	100%	166	0.016	0.008	0.004	58.58%
4325122	432512201	BANIA	TPNODL39000314	100	MIXED	AMI	FUNCTIONAL	100%	43	0.004	0.002	0.002	56.46%
4325122	432512201	BANIA	TPNODL39000176	100	MIXED	AMI	FUNCTIONAL	100%	94	0.007	0.005	0.002	27.34%
4325122	432512201	BANIA	TPNODL39000177	100	MIXED	AMI	FUNCTIONAL	100%	97	0.004	0.003	0.001	28.21%
4325122	432512201	BANIA	TPNODL39000179	100	MIXED	AMI	FUNCTIONAL	100%	80	0.004	0.003	0.001	24.29%
4325122	432512202	MULISINGH	TPNODL39000068	100	MIXED	AMI	FUNCTIONAL	100%	40	0.003	0.002	0.001	36.26%
4325122	432512202	MULISINGH	TPNODL39000065	100	MIXED	AMI	FUNCTIONAL	100%	69	0.005	0.005	0.001	39.56%
4325122	432512202	MULISINGH	TPNODL39000066	100	MIXED	AMI	FUNCTIONAL	100%	55	0.005	0.003	0.003	48.81%
4325122	432512202	MULISINGH	TPNODL39000067	100	MIXED	AMI	FUNCTIONAL	100%	53	0.006	0.003	0.003	53.08%
4325122	432512202	MULISINGH	TPNODL39000138	100	MIXED	AMI	FUNCTIONAL	100%	27	0.003	0.001	0.002	57.56%
4325122	432512202	MULISINGH	TPNODL39000166	100	MIXED	AMI	FUNCTIONAL	100%	86	0.007	0.003	0.004	55.27%
4325122	432512202	MULISINGH	TPNODL39000156	100	MIXED	AMI	FUNCTIONAL	100%	33	0.003	0.001	0.002	58.81%
4325122	432512202	MULISINGH	TPNODL39000157	100	MIXED	AMI	FUNCTIONAL	100%	39	0.003	0.002	0.001	44.65%
4325122	432512202	MULISINGH	TPNODL39000202	100	MIXED	AMI	FUNCTIONAL	100%	52	0.006	0.003	0.003	53.47%
4325122	432512202	MULISINGH	TPNODL39000244	100	MIXED	AMI	FUNCTIONAL	100%	164	0.014	0.008	0.007	53.80%

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Details of DT-wise losses (please add more rows as per requirement)													
Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (kVA)	Predominant- consumer type of DT (Domestic/Industrial/Agricultural/ Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=((6)/(4))*100
432S122	432S12202	MULISINGH	TPNODL390001147	100	MIXED	AMI	FUNCTIONAL	100%	88	0.011	0.008	0.004	34.17%
432S122	432S12202	MULISINGH	TPNODL390001513	100	MIXED	AMI	FUNCTIONAL	100%	68	0.006	0.003	0.004	58.85%
432S122	432S12202	MULISINGH	TPNODL390005113	100	MIXED	AMI	FUNCTIONAL	100%	111	0.008	0.004	0.002	28.36%
432S122	432S12202	MULISINGH	TPNODL390010098	100	MIXED	AMI	FUNCTIONAL	100%	78	0.005	0.002	0.002	47.83%
432S122	432S12202	MULISINGH	TPNODL390013598	100	MIXED	AMI	FUNCTIONAL	100%	117	0.012	0.006	0.006	49.23%
432S122	432S12202	MULISINGH	TPNODL390013599	100	MIXED	AMI	FUNCTIONAL	100%	47	0.003	0.002	0.002	53.21%
432S122	432S12202	MULISINGH	TPNODL390016431	100	MIXED	AMI	FUNCTIONAL	100%	113	0.007	0.006	0.001	21.92%
432S122	432S12202	MULISINGH	TPNODL390017780	100	MIXED	AMI	FUNCTIONAL	100%	42	0.012	0.008	0.004	30.80%
432S122	432S12202	MULISINGH	TPNODL390019150	100	MIXED	AMI	FUNCTIONAL	100%	120	0.016	0.011	0.005	29.87%
432S128	432S12401	TUDIGADIA NEW	TPNODL390011714	100	MIXED	AMI	FUNCTIONAL	100%	105	0.006	0.004	0.002	31.71%
432S128	432S12401	TUDIGADIA NEW	TPNODL390011715	100	MIXED	AMI	FUNCTIONAL	100%	50	0.004	0.002	0.002	59.86%
432S128	432S12401	TUDIGADIA NEW	TPNODL390017484	100	MIXED	AMI	FUNCTIONAL	100%	111	0.008	0.006	0.002	24.32%
432S128	432S12401	TUDIGADIA NEW	TPNODL390017685	100	MIXED	AMI	FUNCTIONAL	100%	108	0.010	0.007	0.003	27.71%
432S128	432S12401	TUDIGADIA NEW	TPNODL390020093	100	MIXED	AMI	FUNCTIONAL	100%	78	0.007	0.003	0.004	55.94%
432S138	432S12402	SABIRA	TPNODL390006775	100	MIXED	AMI	FUNCTIONAL	100%	90	0.006	0.005	0.001	22.86%
432S138	432S12402	SABIRA	TPNODL390006734	100	MIXED	AMI	FUNCTIONAL	100%	69	0.004	0.003	0.001	28.86%
432S138	432S12402	SABIRA	TPNODL390006735	100	MIXED	AMI	FUNCTIONAL	100%	152	0.013	0.006	0.005	47.14%
432S138	432S12402	SABIRA	TPNODL390006904	100	MIXED	AMI	FUNCTIONAL	100%	59	0.005	0.002	0.003	51.59%
432S138	432S12402	SABIRA	TPNODL390007181	100	MIXED	AMI	FUNCTIONAL	100%	113	0.010	0.005	0.005	46.85%
432S138	432S12402	SABIRA	TPNODL390007884	100	MIXED	AMI	FUNCTIONAL	100%	77	0.006	0.004	0.003	41.18%
432S138	432S12403	SARSANG	TPNODL390011549	100	MIXED	AMI	FUNCTIONAL	100%	135	0.013	0.006	0.008	59.76%
432S138	432S12403	SARSANG	TPNODL390011550	100	MIXED	AMI	FUNCTIONAL	100%	90	0.009	0.005	0.005	50.21%
432S138	432S12403	SARSANG	TPNODL390011712	100	MIXED	AMI	FUNCTIONAL	100%	133	0.008	0.005	0.003	38.18%
432S138	432S12403	SARSANG	TPNODL390011713	100	MIXED	AMI	FUNCTIONAL	100%	24	0.001	0.001	0.000	32.51%
432S138	432S12403	SARSANG	TPNODL390008093	100	MIXED	AMI	FUNCTIONAL	100%	129	0.013	0.007	0.005	42.99%
432S131	432S13102	PAKHAR	TPNODL390003184	100	MIXED	AMI	FUNCTIONAL	100%	143	0.009	0.007	0.002	23.97%
432S131	432S13102	PAKHAR	TPNODL390003185	100	MIXED	AMI	FUNCTIONAL	100%	71	0.014	0.007	0.007	50.36%
432S131	432S13102	PAKHAR	TPNODL390008640	100	MIXED	AMI	FUNCTIONAL	100%	52	0.004	0.002	0.002	54.23%
432S131	432S13102	PAKHAR	TPNODL390006641	100	MIXED	AMI	FUNCTIONAL	100%	69	0.004	0.003	0.001	17.78%
432S131	432S13102	PAKHAR	TPNODL390008643	100	MIXED	AMI	FUNCTIONAL	100%	144	0.012	0.008	0.004	33.58%
432S131	432S13102	PAKHAR	TPNODL390009736	63	MIXED	AMI	FUNCTIONAL	100%	73	0.007	0.003	0.004	58.61%
432S131	432S13102	PAKHAR	TPNODL390003784	100	MIXED	AMI	FUNCTIONAL	100%	63	0.005	0.003	0.002	40.10%
432S131	432S13102	PAKHAR	TPNODL390003785	63	MIXED	AMI	FUNCTIONAL	100%	21	0.002	0.001	0.000	19.57%
432S131	432S13102	PAKHAR	TPNODL390003786	100	MIXED	AMI	FUNCTIONAL	100%	111	0.014	0.007	0.007	50.78%
432S131	432S13102	PAKHAR	TPNODL390003787	100	MIXED	AMI	FUNCTIONAL	100%	152	0.022	0.010	0.010	45.41%
432S131	432S13102	PAKHAR	TPNODL390010613	100	MIXED	AMI	FUNCTIONAL	100%	116	0.009	0.004	0.005	58.39%
432S131	432S13102	PAKHAR	TPNODL390013109	100	MIXED	AMI	FUNCTIONAL	100%	107	0.008	0.007	0.002	19.84%
432S131	432S13102	PAKHAR	TPNODL390022200	100	MIXED	AMI	FUNCTIONAL	100%	41	0.003	0.002	0.001	41.07%

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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4325131	432513102	PAKHAR	TPNODL19002203	100	MIXED	AMI	FUNCTIONAL	100%	167	0.015	0.007	0.007	49.28%
4325131	432513102	PAKHAR	TPNODL19006493	250	MIXED	AMI	FUNCTIONAL	100%	117	0.017	0.008	0.009	54.38%
4325131	432513102	PAKHAR	TPNODL19006615	250	MIXED	AMI	FUNCTIONAL	100%	161	0.014	0.008	0.006	44.38%
4325131	432513103	MULIAPADA	TPNODL19000717	100	MIXED	AMI	FUNCTIONAL	100%	100	0.007	0.005	0.002	33.49%
4325131	432513103	MULIAPADA	TPNODL19000738	100	MIXED	AMI	FUNCTIONAL	100%	68	0.005	0.002	0.002	45.59%
4325131	432513104	ANANTAPUR	TPNODL19000070	100	MIXED	AMI	FUNCTIONAL	100%	47	0.003	0.002	0.001	43.19%
4325131	432513104	ANANTAPUR	TPNODL19001867	100	MIXED	AMI	FUNCTIONAL	100%	128	0.011	0.006	0.004	39.40%
4325231	432521101	SAUD	TPNODL19000610	100	MIXED	AMI	FUNCTIONAL	100%	41	0.002	0.001	0.001	47.87%
4325231	432521101	SAUD	TPNODL19000884	100	MIXED	AMI	FUNCTIONAL	100%	111	0.008	0.005	0.003	41.33%
4325231	432521101	SAUD	TPNODL19000916	100	MIXED	AMI	FUNCTIONAL	100%	68	0.007	0.003	0.004	54.66%
4325231	432521101	SAUD	TPNODL19000612	100	MIXED	AMI	FUNCTIONAL	100%	175	0.017	0.011	0.005	32.82%
4325231	432521101	SAUD	TPNODL19000614	100	MIXED	AMI	FUNCTIONAL	100%	69	0.005	0.003	0.002	47.68%
4325231	432521101	SAUD	TPNODL19001715	100	MIXED	AMI	FUNCTIONAL	100%	107	0.008	0.004	0.003	48.79%
4325231	432521101	SAUD	TPNODL19001712	100	MIXED	AMI	FUNCTIONAL	100%	33	0.004	0.002	0.002	56.52%
4325231	432521101	SAUD	TPNODL19006368	100	MIXED	AMI	FUNCTIONAL	100%	34	0.003	0.003	0.001	28.90%
4325231	432521101	SAUD	TPNODL19006366	100	MIXED	AMI	FUNCTIONAL	100%	118	0.012	0.008	0.003	27.81%
4325231	432521101	SAUD	TPNODL19006648	100	MIXED	AMI	FUNCTIONAL	100%	63	0.012	0.006	0.006	52.15%
4325231	432521101	SAUD	TPNODL19006645	100	MIXED	AMI	FUNCTIONAL	100%	79	0.005	0.004	0.001	21.22%
4325231	432521101	SAUD	TPNODL19006650	100	MIXED	AMI	FUNCTIONAL	100%	114	0.010	0.006	0.004	38.97%
4325231	432521101	SAUD	TPNODL19006651	100	MIXED	AMI	FUNCTIONAL	100%	58	0.005	0.004	0.001	12.86%
4325231	432521102	BISU	TPNODL19000765	63	MIXED	AMI	FUNCTIONAL	100%	30	0.003	0.002	0.001	42.53%
4325231	432521102	BISU	TPNODL19000917	100	MIXED	AMI	FUNCTIONAL	100%	102	0.009	0.005	0.004	44.91%
4325231	432521102	BISU	TPNODL19000918	100	MIXED	AMI	FUNCTIONAL	100%	108	0.010	0.007	0.003	32.30%
4325238	432521401	MANGALPUR	TPNODL19007069	100	MIXED	AMI	FUNCTIONAL	100%	43	0.006	0.003	0.003	43.55%
4325238	432521402	ANDRA	TPNODL19004858	100	MIXED	AMI	FUNCTIONAL	100%	95	0.013	0.007	0.006	45.32%
4325238	432521402	ANDRA	TPNODL19001913	100	MIXED	AMI	FUNCTIONAL	100%	139	0.022	0.006	0.006	37.01%
4325238	432521402	ANDRA	TPNODL19008119	250	MIXED	AMI	FUNCTIONAL	100%	180	0.018	0.012	0.006	35.19%
4325238	432521404	BARKOHILI	TPNODL19004696	100	MIXED	AMI	FUNCTIONAL	100%	107	0.012	0.009	0.003	28.07%
4325238	432521404	BARKOHILI	TPNODL19004697	100	MIXED	AMI	FUNCTIONAL	100%	126	0.010	0.006	0.004	39.66%
4325238	432521404	BARKOHILI	TPNODL19004698	100	MIXED	AMI	FUNCTIONAL	100%	79	0.004	0.003	0.001	23.39%
4325238	432521404	BARKOHILI	TPNODL19004699	100	MIXED	AMI	FUNCTIONAL	100%	103	0.012	0.006	0.006	50.63%
4325238	432521404	BARKOHILI	TPNODL19001681	100	MIXED	AMI	FUNCTIONAL	100%	47	0.004	0.002	0.002	50.48%
4325238	432521404	BARKOHILI	TPNODL19006436	100	MIXED	AMI	FUNCTIONAL	100%	95	0.008	0.005	0.003	42.19%
4325238	432521404	BARKOHILI	TPNODL19000079	100	MIXED	AMI	FUNCTIONAL	100%	75	0.009	0.006	0.004	39.13%
4325232	432522202	BAIANA	TPNODL19006448	100	MIXED	AMI	FUNCTIONAL	100%	68	0.007	0.005	0.002	33.17%
4325232	432522202	BAIANA	TPNODL19000011	63	MIXED	AMI	FUNCTIONAL	100%	74	0.005	0.004	0.001	12.73%
4325232	432522202	BAIANA	TPNODL19008109	100	MIXED	AMI	FUNCTIONAL	100%	188	0.013	0.007	0.006	48.91%
4325222	432522203	ALADA	TPNODL19009172	100	MIXED	AMI	FUNCTIONAL	100%	117	0.009	0.004	0.004	48.94%

Details of DT-wise losses (please add more rows as per requirement)													
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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4325222	432522204	ANI	TPNODL39008468	100	MIXED	AMI	FUNCTIONAL	100%	48	0.008	0.003	0.004	58.60%
4325223	432522301	GUDA (BHINDUPUR)	TPNODL39007998	100	MIXED	AMI	FUNCTIONAL	100%	59	0.004	0.002	0.002	47.79%
4325223	432522303	GOPALPUR	TPNODL39006923	100	MIXED	AMI	FUNCTIONAL	100%	109	0.012	0.008	0.004	33.25%
4325223	432522303	GOPALPUR	TPNODL39008253	100	MIXED	AMI	FUNCTIONAL	100%	68	0.015	0.008	0.007	48.57%
4325223	432522303	GOPALPUR	TPNODL39008255	100	MIXED	AMI	FUNCTIONAL	100%	67	0.014	0.007	0.007	47.88%
4325223	432522303	GOPALPUR	TPNODL39009080	100	MIXED	AMI	FUNCTIONAL	100%	43	0.008	0.003	0.003	56.15%
4325223	432522303	GOPALPUR	TPNODL39009098	100	MIXED	AMI	FUNCTIONAL	100%	80	0.014	0.007	0.007	50.88%
4325223	432522305	RUPAKHANDA	TPNODL39008580	100	MIXED	AMI	FUNCTIONAL	100%	90	0.008	0.004	0.005	57.40%
4325223	432522305	RUPAKHANDA	TPNODL39008583	100	MIXED	AMI	FUNCTIONAL	100%	99	0.007	0.005	0.003	34.27%
4325235	432523502	PANPANA	TPNODL39000056	63	MIXED	AMI	FUNCTIONAL	100%	72	0.006	0.003	0.003	44.69%
4325235	432523502	PANPANA	TPNODL39000057	100	MIXED	AMI	FUNCTIONAL	100%	82	0.006	0.004	0.003	41.26%
4325235	432523502	PANPANA	TPNODL39000058	100	MIXED	AMI	FUNCTIONAL	100%	88	0.006	0.004	0.002	29.15%
4325235	432523502	PANPANA	TPNODL39000059	63	MIXED	AMI	FUNCTIONAL	100%	55	0.003	0.001	0.002	54.77%
4325235	432523502	PANPANA	TPNODL39000712	63	MIXED	AMI	FUNCTIONAL	100%	28	0.005	0.004	0.001	12.38%
4325235	432523502	PANPANA	TPNODL39000713	100	MIXED	AMI	FUNCTIONAL	100%	58	0.003	0.003	0.002	32.20%
4325235	432523502	PANPANA	TPNODL39000714	63	MIXED	AMI	FUNCTIONAL	100%	55	0.004	0.002	0.001	40.68%
4325235	432523502	PANPANA	TPNODL39000756	63	MIXED	AMI	FUNCTIONAL	100%	65	0.004	0.003	0.002	38.95%
4325235	432523502	PANPANA	TPNODL39000757	100	MIXED	AMI	FUNCTIONAL	100%	46	0.003	0.002	0.001	43.64%
4325235	432523502	PANPANA	TPNODL39000758	100	MIXED	AMI	FUNCTIONAL	100%	112	0.008	0.006	0.002	28.18%
4325235	432523502	PANPANA	TPNODL39000786	70	MIXED	AMI	FUNCTIONAL	100%	30	0.003	0.001	0.002	55.05%
4325235	432523502	PANPANA	TPNODL39000797	100	MIXED	AMI	FUNCTIONAL	100%	47	0.003	0.002	0.002	48.94%
4325235	432523502	PANPANA	TPNODL39000798	63	MIXED	AMI	FUNCTIONAL	100%	66	0.004	0.002	0.002	52.16%
4325235	432523502	PANPANA	TPNODL39000799	100	MIXED	AMI	FUNCTIONAL	100%	109	0.009	0.005	0.004	44.44%
4325235	432523502	PANPANA	TPNODL39000888	100	MIXED	AMI	FUNCTIONAL	100%	59	0.003	0.003	0.001	23.57%
4325235	432523502	PANPANA	TPNODL39000887	63	MIXED	AMI	FUNCTIONAL	100%	46	0.003	0.001	0.001	53.07%
4325235	432523502	PANPANA	TPNODL39000976	100	MIXED	AMI	FUNCTIONAL	100%	38	0.002	0.001	0.001	58.56%
4325235	432523502	PANPANA	TPNODL39000978	100	MIXED	AMI	FUNCTIONAL	100%	179	0.010	0.008	0.002	18.03%
4325235	432523503	KHANTAPADA	TPNODL39000979	100	MIXED	AMI	FUNCTIONAL	100%	88	0.009	0.004	0.005	53.07%
4325235	432523503	KHANTAPADA	TPNODL39001064	100	MIXED	AMI	FUNCTIONAL	100%	72	0.009	0.005	0.003	40.38%
4325235	432523503	KHANTAPADA	TPNODL39001065	100	MIXED	AMI	FUNCTIONAL	100%	118	0.011	0.006	0.005	44.36%
4325235	432523503	KHANTAPADA	TPNODL39001066	100	MIXED	AMI	FUNCTIONAL	100%	98	0.015	0.009	0.005	36.78%
4325235	432523503	KHANTAPADA	TPNODL39007974	100	MIXED	AMI	FUNCTIONAL	100%	97	0.007	0.005	0.003	38.75%
4325235	432523503	KHANTAPADA	TPNODL39007997	100	MIXED	AMI	FUNCTIONAL	100%	66	0.004	0.002	0.002	48.19%
4325235	432523503	KHANTAPADA	TPNODL39009061	100	MIXED	AMI	FUNCTIONAL	100%	127	0.011	0.005	0.006	51.83%
4325235	432523503	KHANTAPADA	TPNODL39009099	100	MIXED	AMI	FUNCTIONAL	100%	108	0.009	0.005	0.004	42.86%
4325235	432523503	KHANTAPADA	TPNODL39009125	100	MIXED	AMI	FUNCTIONAL	100%	56	0.004	0.003	0.002	44.68%
4325235	432523503	KHANTAPADA	TPNODL39009127	100	MIXED	AMI	FUNCTIONAL	100%	53	0.004	0.003	0.002	36.49%
4325332	432533201	ANTHAPUR	TPNODL39000200	100	MIXED	AMI	FUNCTIONAL	100%	44	0.003	0.002	0.001	28.92%

Details of DT-wise losses (please add more rows as per requirement)													
Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (kVA)	Predominant- consumer type of DT (Domestic/Industrial/Agricultural/ Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4325312	432531201	ANTHAPUR	TPNODL39000221	100	MIXED	AMI	FUNCTIONAL	100%	61	0.007	0.004	0.003	39.87%
4325312	432531201	ANTHAPUR	TPNODL39000667	100	MIXED	AMI	FUNCTIONAL	100%	48	0.003	0.002	0.001	20.40%
4325312	432531201	ANTHAPUR	TPNODL39004876	100	MIXED	AMI	FUNCTIONAL	100%	133	0.010	0.005	0.005	51.71%
4325312	432531201	ANTHAPUR	TPNODL39004477	100	MIXED	AMI	FUNCTIONAL	100%	83	0.009	0.004	0.005	53.65%
4325312	432531202	JARALIHADI RICE MILL	TPNODL39006476	100	MIXED	AMI	FUNCTIONAL	100%	121	0.011	0.009	0.001	12.94%
4325312	432531203	JAMUJHADI BAZAR	TPNODL39000336	100	MIXED	AMI	FUNCTIONAL	100%	62	0.003	0.001	0.002	66.92%
4325312	432531203	JAMUJHADI BAZAR	TPNODL39005408	100	MIXED	AMI	FUNCTIONAL	100%	95	0.008	0.004	0.004	55.45%
4325312	432531204	SATYAMILLA	TPNODL39000311	100	MIXED	AMI	FUNCTIONAL	100%	56	0.005	0.004	0.001	32.45%
4325312	432531204	SATYAMILLA	TPNODL39000313	100	MIXED	AMI	FUNCTIONAL	100%	65	0.010	0.008	0.002	21.44%
4325312	432531204	SATYAMILLA	TPNODL39000314	100	MIXED	AMI	FUNCTIONAL	100%	18	0.005	0.003	0.002	38.77%
4325312	432531204	SATYAMILLA	TPNODL39004902	100	MIXED	AMI	FUNCTIONAL	100%	89	0.016	0.010	0.006	37.78%
4325312	432531204	SATYAMILLA	TPNODL39005449	100	MIXED	AMI	FUNCTIONAL	100%	99	0.011	0.006	0.005	47.20%
4325314	432531401	ADA	TPNODL39004885	100	MIXED	AMI	FUNCTIONAL	100%	61	0.005	0.002	0.003	56.52%
4325314	432531401	ADA	TPNODL39005770	100	MIXED	AMI	FUNCTIONAL	100%	80	0.006	0.003	0.003	48.50%
4325314	432531401	ADA	TPNODL39005858	100	MIXED	AMI	FUNCTIONAL	100%	42	0.003	0.002	0.001	38.35%
4325314	432531401	ADA	TPNODL39007825	100	MIXED	AMI	FUNCTIONAL	100%	94	0.006	0.003	0.003	48.89%
4325314	432531401	ADA	TPNODL39008225	100	MIXED	AMI	FUNCTIONAL	100%	118	0.007	0.004	0.003	46.37%
4325314	432531401	ADA	TPNODL39008226	100	MIXED	AMI	FUNCTIONAL	100%	48	0.003	0.002	0.001	43.57%
4325314	432531401	ADA	TPNODL39009857	100	MIXED	AMI	FUNCTIONAL	100%	72	0.005	0.003	0.002	46.66%
4325314	432531402	BIRANCHIPUR	TPNODL39000211	100	MIXED	AMI	FUNCTIONAL	100%	158	0.013	0.007	0.006	43.92%
4325314	432531402	BIRANCHIPUR	TPNODL39006212	100	MIXED	AMI	FUNCTIONAL	100%	41	0.003	0.001	0.001	32.82%
4325314	432531402	BIRANCHIPUR	TPNODL39007826	100	MIXED	AMI	FUNCTIONAL	100%	130	0.011	0.005	0.006	52.97%
4325314	432531403	ANANTAPUR	TPNODL39005252	100	MIXED	AMI	FUNCTIONAL	100%	101	0.015	0.006	0.009	59.90%
4325314	432531405	NUAPALLI	TPNODL39000288	100	MIXED	AMI	FUNCTIONAL	100%	61	0.005	0.003	0.002	44.49%
4325314	432531405	NUAPALLI	TPNODL39004908	100	MIXED	AMI	FUNCTIONAL	100%	64	0.011	0.006	0.005	46.67%
4325314	432531405	NUAPALLI	TPNODL39005285	100	MIXED	AMI	FUNCTIONAL	100%	67	0.020	0.015	0.006	27.32%
4325314	432531405	NUAPALLI	TPNODL39005889	100	MIXED	AMI	FUNCTIONAL	100%	62	0.011	0.005	0.006	57.78%
4325314	432531405	NUAPALLI	TPNODL39007334	100	MIXED	AMI	FUNCTIONAL	100%	59	0.005	0.004	0.001	18.28%
4325314	432531405	NUAPALLI	TPNODL39007335	100	MIXED	AMI	FUNCTIONAL	100%	24	0.005	0.004	0.001	27.31%
4325314	432531406	BARI	TPNODL39000221	100	MIXED	AMI	FUNCTIONAL	100%	59	0.003	0.002	0.001	41.83%
4325314	432531406	BARI	TPNODL39000789	100	MIXED	AMI	FUNCTIONAL	100%	85	0.007	0.004	0.003	46.68%
4325314	432531406	BARI	TPNODL39008214	100	MIXED	AMI	FUNCTIONAL	100%	88	0.006	0.003	0.003	43.44%
4325314	432531406	BARI	TPNODL39006477	100	MIXED	AMI	FUNCTIONAL	100%	62	0.004	0.002	0.002	54.61%
4325314	432531406	BARI	TPNODL39008534	100	MIXED	AMI	FUNCTIONAL	100%	159	0.017	0.009	0.008	48.58%
4325314	432531406	BARI	TPNODL39009991	100	MIXED	AMI	FUNCTIONAL	100%	65	0.003	0.002	0.001	26.89%
4325321	432532101	ADA BAZAR	TPNODL39006213	100	MIXED	AMI	FUNCTIONAL	100%	76	0.004	0.004	0.001	12.81%
4325321	432532102	SABANGA	TPNODL39005269	100	MIXED	AMI	FUNCTIONAL	100%	117	0.006	0.003	0.004	55.08%
4325321	432532102	SABANGA	TPNODL39005816	100	MIXED	AMI	FUNCTIONAL	100%	47	0.003	0.002	0.001	36.66%

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Details of DT-wise losses (please add more rows as per requirement)													
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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=((6)/(4))*100
4325322	4325322322	SABANGLA	TPNODL39305817	100	MIXED	AMI	FUNCTIONAL	100%	66	0.004	0.002	0.001	16.80%
4325322	4325322322	SABANGLA	TPNODL39305984	100	MIXED	AMI	FUNCTIONAL	100%	125	0.008	0.005	0.003	42.40%
4325322	4325322359	MURUNIA	TPNODL39305886	100	MIXED	AMI	FUNCTIONAL	100%	67	0.003	0.002	0.002	47.07%
4325322	4325322359	MURUNIA	TPNODL39306521	100	MIXED	AMI	FUNCTIONAL	100%	94	0.005	0.003	0.002	41.62%
4325322	4325322359	MURUNIA	TPNODL39306998	100	MIXED	AMI	FUNCTIONAL	100%	81	0.006	0.003	0.003	54.80%
4325323	4325323284	RAPEYA	TPNODL39305000	100	MIXED	AMI	FUNCTIONAL	100%	119	0.008	0.004	0.004	49.96%
4325323	4325323284	RAPEYA	TPNODL39305007	100	MIXED	AMI	FUNCTIONAL	100%	116	0.008	0.004	0.004	52.61%
4325323	4325323284	RAPEYA	TPNODL39305986	100	MIXED	AMI	FUNCTIONAL	100%	86	0.006	0.003	0.003	54.79%
4325323	4325323284	RAPEYA	TPNODL39305987	100	MIXED	AMI	FUNCTIONAL	100%	23	0.002	0.001	0.001	54.56%
4325333	4325333655	BEGUNIA	TPNODL39304864	100	MIXED	AMI	FUNCTIONAL	100%	38	0.002	0.002	0.001	29.79%
4325333	4325333655	BEGUNIA	TPNODL39305683	100	MIXED	AMI	FUNCTIONAL	100%	83	0.010	0.005	0.005	52.89%
4325333	4325333655	BEGUNIA	TPNODL39305823	100	MIXED	AMI	FUNCTIONAL	100%	128	0.009	0.005	0.001	13.05%
4325333	4325333655	BEGUNIA	TPNODL39305827	100	MIXED	AMI	FUNCTIONAL	100%	67	0.003	0.001	0.001	64.07%
4325333	4325333655	BEGUNIA	TPNODL39305867	100	MIXED	AMI	FUNCTIONAL	100%	125	0.004	0.003	0.001	27.26%
4325333	4325333655	BEGUNIA	TPNODL39307094	100	MIXED	AMI	FUNCTIONAL	100%	119	0.013	0.010	0.001	11.16%
4325333	4325333655	BEGUNIA	TPNODL39307125	100	MIXED	AMI	FUNCTIONAL	100%	71	0.015	0.006	0.009	57.88%
4325333	4325333302	RAMKRISHANPUR	TPNODL39306174	100	MIXED	AMI	FUNCTIONAL	100%	61	0.003	0.001	0.001	51.68%
4325333	4325333302	RAMKRISHANPUR	TPNODL39307092	100	MIXED	AMI	FUNCTIONAL	100%	24	0.002	0.001	0.001	59.68%
4325333	4325333302	RAMKRISHANPUR	TPNODL39307095	100	MIXED	AMI	FUNCTIONAL	100%	84	0.013	0.005	0.007	57.85%
4325333	4325333302	RAMKRISHANPUR	TPNODL39307127	100	MIXED	AMI	FUNCTIONAL	100%	113	0.008	0.004	0.003	43.18%
4325333	4325333302	RAMKRISHANPUR	TPNODL39307753	100	MIXED	AMI	FUNCTIONAL	100%	109	0.010	0.005	0.005	50.38%
4325411	4325411505	BADAPOKHARI	TPNODL39306801	100	MIXED	AMI	FUNCTIONAL	100%	94	0.006	0.004	0.002	38.42%
4325411	4325411505	BADAPOKHARI	TPNODL39307151	100	MIXED	AMI	FUNCTIONAL	100%	147	0.013	0.007	0.006	47.39%
4325411	4325411505	BADAPOKHARI	TPNODL39307152	100	MIXED	AMI	FUNCTIONAL	100%	81	0.003	0.002	0.001	34.92%
4325411	4325411505	KAMARPALI	TPNODL39304471	100	MIXED	AMI	FUNCTIONAL	100%	81	0.003	0.002	0.001	34.92%
4325411	4325411505	KAMARPALI	TPNODL39307214	100	MIXED	AMI	FUNCTIONAL	100%	93	0.008	0.006	0.003	31.09%
4325411	4325411505	KAMARPALI	TPNODL39307215	100	MIXED	AMI	FUNCTIONAL	100%	103	0.008	0.004	0.002	35.68%
4325418	4325418403	GANDIBAD	TPNODL39304570	100	MIXED	AMI	FUNCTIONAL	100%	168	0.013	0.009	0.004	31.84%
4325418	4325418403	GANDIBAD	TPNODL39305980	100	MIXED	AMI	FUNCTIONAL	100%	145	0.010	0.007	0.004	35.36%
4325418	4325418403	GANDIBAD	TPNODL39305981	100	MIXED	AMI	FUNCTIONAL	100%	44	0.004	0.002	0.002	50.28%
4325418	4325418403	GANDIBAD	TPNODL39307675	100	MIXED	AMI	FUNCTIONAL	100%	126	0.017	0.010	0.006	38.96%
4325418	4325418403	GANDIBAD	TPNODL39307510	100	MIXED	AMI	FUNCTIONAL	100%	113	0.010	0.007	0.004	34.19%
4325418	4325418403	GANDIBAD	TPNODL39308197	100	MIXED	AMI	FUNCTIONAL	100%	77	0.007	0.003	0.004	55.64%
4325418	4325418403	GANDIBAD	TPNODL39308208	100	MIXED	AMI	FUNCTIONAL	100%	68	0.003	0.002	0.001	20.17%
4325418	4325418403	GANDIBAD	TPNODL39308211	100	MIXED	AMI	FUNCTIONAL	100%	104	0.007	0.004	0.003	39.80%
4325418	4325418403	GANDIBAD	TPNODL39308669	100	MIXED	AMI	FUNCTIONAL	100%	102	0.009	0.008	0.001	11.22%
4325418	4325418403	GANDIBAD	TPNODL39308810	100	MIXED	AMI	FUNCTIONAL	100%	53	0.002	0.001	0.001	31.30%
4325418	4325418403	GANDIBAD	TPNODL39308910	100	MIXED	AMI	FUNCTIONAL	100%	59	0.002	0.001	0.001	38.34%
4325418	4325418403	GANDIBAD	TPNODL39308911	100	MIXED	AMI	FUNCTIONAL	100%	60	0.007	0.003	0.004	59.89%

Details of DT-wise losses (please add more rows as per requirement)													
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		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4325434	432543401	GANDIBAD	TPNODL39009012	100	MIXED	AMI	FUNCTIONAL	100%	148	0.010	0.005	0.005	48.96%
4325434	432543401	GANDIBAD	TPNODL39009013	100	MIXED	AMI	FUNCTIONAL	100%	55	0.004	0.002	0.002	41.29%
4325434	432543401	GANDIBAD	TPNODL39009014	100	MIXED	AMI	FUNCTIONAL	100%	61	0.004	0.002	0.002	49.77%
4325434	432543402	GADIA	TPNODL39008990	100	MIXED	AMI	FUNCTIONAL	100%	66	0.003	0.002	0.001	33.86%
4325434	432543403	KHAIRA BARA	TPNODL39007131	100	MIXED	AMI	FUNCTIONAL	100%	93	0.021	0.011	0.010	47.24%
4325434	432543403	KHAIRA BARA	TPNODL39008304	100	MIXED	AMI	FUNCTIONAL	100%	38	0.007	0.003	0.004	56.61%
4325434	432543403	KHAIRA BARA	TPNODL39008306	100	MIXED	AMI	FUNCTIONAL	100%	133	0.014	0.010	0.004	27.21%
4325434	432543403	KHAIRA BARA	TPNODL39008307	100	MIXED	AMI	FUNCTIONAL	100%	118	0.014	0.010	0.004	30.32%
4325434	432543404	BANAPARIA	TPNODL39005325	100	MIXED	AMI	FUNCTIONAL	100%	103	0.007	0.004	0.003	38.95%
4325434	432543404	BANAPARIA	TPNODL39005326	100	MIXED	AMI	FUNCTIONAL	100%	88	0.006	0.003	0.004	57.63%
4325434	432543404	BANAPARIA	TPNODL39005327	100	MIXED	AMI	FUNCTIONAL	100%	81	0.005	0.003	0.001	25.46%
4325434	432543404	BANAPARIA	TPNODL39007128	100	MIXED	AMI	FUNCTIONAL	100%	170	0.012	0.008	0.003	28.36%
4325434	432543404	BANAPARIA	TPNODL39007129	100	MIXED	AMI	FUNCTIONAL	100%	108	0.007	0.004	0.003	44.03%
4325434	432543404	BANAPARIA	TPNODL39007130	100	MIXED	AMI	FUNCTIONAL	100%	58	0.004	0.003	0.001	31.00%
4325434	432543404	BANAPARIA	TPNODL39008305	100	MIXED	AMI	FUNCTIONAL	100%	56	0.005	0.003	0.002	47.30%
4325434	432543405	ARJUNPUR	TPNODL39004578	100	MIXED	AMI	FUNCTIONAL	100%	22	0.002	0.001	0.001	52.08%
4325434	432543405	ARJUNPUR	TPNODL39004579	100	MIXED	AMI	FUNCTIONAL	100%	83	0.006	0.003	0.003	46.29%
4325435	432543502	BARTANA	TPNODL39007626	100	MIXED	AMI	FUNCTIONAL	100%	125	0.006	0.004	0.003	40.52%
4325433	432543301	MAKHANPUR	TPNODL39004320	100	MIXED	AMI	FUNCTIONAL	100%	121	0.010	0.005	0.005	47.98%
4325433	432543301	MAKHANPUR	TPNODL39004857	100	MIXED	AMI	FUNCTIONAL	100%	127	0.009	0.005	0.005	50.31%
4325433	432543301	MAKHANPUR	TPNODL39004886	100	MIXED	AMI	FUNCTIONAL	100%	97	0.010	0.005	0.005	49.71%
4325433	432543301	MAKHANPUR	TPNODL39005033	100	MIXED	AMI	FUNCTIONAL	100%	102	0.005	0.003	0.002	43.88%
4325433	432543301	MAKHANPUR	TPNODL39005270	100	MIXED	AMI	FUNCTIONAL	100%	101	0.006	0.003	0.003	50.80%
4325433	432543301	MAKHANPUR	TPNODL39005271	100	MIXED	AMI	FUNCTIONAL	100%	86	0.005	0.003	0.001	26.34%
4325433	432543301	MAKHANPUR	TPNODL39005964	100	MIXED	AMI	FUNCTIONAL	100%	130	0.009	0.004	0.004	49.88%
4325433	432543301	MAKHANPUR	TPNODL39006011	100	MIXED	AMI	FUNCTIONAL	100%	114	0.007	0.004	0.003	38.67%
4325433	432543302	GANDIBED	TPNODL39005680	100	MIXED	AMI	FUNCTIONAL	100%	113	0.007	0.003	0.003	50.85%
4325433	432543302	GANDIBED	TPNODL39005765	100	MIXED	AMI	FUNCTIONAL	100%	111	0.010	0.005	0.005	49.56%
4325433	432543302	GANDIBED	TPNODL39005864	100	MIXED	AMI	FUNCTIONAL	100%	55	0.008	0.003	0.003	50.02%
4325433	432543302	GANDIBED	TPNODL39006620	100	MIXED	AMI	FUNCTIONAL	100%	57	0.002	0.002	0.000	12.38%
4325433	432543302	GANDIBED	TPNODL39006733	100	MIXED	AMI	FUNCTIONAL	100%	128	0.009	0.006	0.003	32.47%
4325433	432543302	GANDIBED	TPNODL39007333	100	MIXED	AMI	FUNCTIONAL	100%	51	0.004	0.004	0.001	17.99%
4325433	432543303	CHANDAGOCHHI	TPNODL39005916	100	MIXED	AMI	FUNCTIONAL	100%	106	0.007	0.005	0.002	27.99%
4325440	432544001	DARAKHOLI	TPNODL39005314	100	MIXED	AMI	FUNCTIONAL	100%	103	0.007	0.006	0.003	45.27%
4325440	432544001	DARAKHOLI	TPNODL39004669	100	MIXED	AMI	FUNCTIONAL	100%	26	0.002	0.001	0.001	31.91%
4325440	432544001	DARAKHOLI	TPNODL39007242	100	MIXED	AMI	FUNCTIONAL	100%	79	0.003	0.001	0.001	40.46%
4325440	432544002	DUFADA	TPNODL39000105	100	MIXED	AMI	FUNCTIONAL	100%	52	0.007	0.004	0.004	50.00%
4325440	432544002	DUFADA	TPNODL39000107	100	MIXED	AMI	FUNCTIONAL	100%	88	0.005	0.004	0.001	13.98%

Details of DT-wise losses (please add more rows as per requirement)													
Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (KVA)	Predominant- consumer type of DT (Domestic/Industrial/Agricultural/ Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
4375448	437544803	BADATORHARI	TPNODL19900409	100	MIXED	AMI	FUNCTIONAL	100%	74	0.004	0.003	0.001	18.53%
4421438	442143802	IOCL	TPNODL19907617	100	MIXED	AMI	FUNCTIONAL	100%	42	0.008	0.003	0.005	59.27%
4421438	442143802	IOCL	TPNODL19908871	100	MIXED	AMI	FUNCTIONAL	100%	78	0.006	0.003	0.004	56.42%
4322111	432211101	BAUTA	TPNODL19900140	100	MIXED	AMI	FUNCTIONAL	100%	111	0.035	0.020	0.016	45.98%
4322111	432211101	BAUTA	TPNODL19901383	100	MIXED	AMI	FUNCTIONAL	100%	65	0.022	0.013	0.007	32.86%
4322111	432211102	AMARDA	TPNODL19900103	100	MIXED	AMI	FUNCTIONAL	100%	103	0.023	0.020	0.004	15.13%
4322111	432211102	AMARDA	TPNODL19900166	100	MIXED	AMI	FUNCTIONAL	100%	103	0.018	0.016	0.003	13.87%
4322111	432211102	AMARDA	TPNODL19900184	100	MIXED	AMI	FUNCTIONAL	100%	112	0.020	0.013	0.007	35.75%
4322111	432211102	AMARDA	TPNODL19900282	100	MIXED	AMI	FUNCTIONAL	100%	78	0.019	0.014	0.005	26.96%
4322111	432211103	MATHANI	TPNODL19901009	100	MIXED	AMI	FUNCTIONAL	100%	24	0.008	0.005	0.003	39.06%
4322111	432211105	HEADQUARTER	TPNODL19900187	100	MIXED	AMI	FUNCTIONAL	100%	186	0.071	0.051	0.021	28.75%
4322111	432211105	HEADQUARTER	TPNODL19901209	100	MIXED	AMI	FUNCTIONAL	100%	81	0.031	0.015	0.016	51.50%
4322111	432211105	HEADQUARTER	TPNODL19901242	100	MIXED	AMI	FUNCTIONAL	100%	37	0.019	0.011	0.008	43.21%
4322111	432211105	HEADQUARTER	TPNODL19901582	100	MIXED	AMI	FUNCTIONAL	100%	101	0.044	0.019	0.025	56.13%
4322111	432211105	HEADQUARTER	TPNODL19901624	100	MIXED	AMI	FUNCTIONAL	100%	111	0.048	0.033	0.016	32.35%
4322111	432211105	HEADQUARTER	TPNODL19901616	100	MIXED	AMI	FUNCTIONAL	100%	75	0.029	0.013	0.016	54.29%
4322111	432211105	HEADQUARTER	TPNODL19902187	100	MIXED	AMI	FUNCTIONAL	100%	88	0.022	0.011	0.010	47.37%
4322111	432211105	HEADQUARTER	TPNODL19903910	100	MIXED	AMI	FUNCTIONAL	100%	104	0.030	0.018	0.012	38.77%
4322112	432211201	KULUDHA	TPNODL19900954	100	MIXED	AMI	FUNCTIONAL	100%	94	0.039	0.015	0.023	59.85%
4322112	432211201	KULUDHA	TPNODL19904900	100	MIXED	AMI	FUNCTIONAL	100%	65	0.017	0.010	0.008	44.25%
4322112	432211202	MANIJODHA	TPNODL19904546	100	MIXED	AMI	FUNCTIONAL	100%	71	0.026	0.012	0.014	52.79%
4322112	432211203	RASALPUR	TPNODL19905149	100	MIXED	AMI	FUNCTIONAL	100%	42	0.019	0.009	0.010	51.86%
4322112	432211203	RASALPUR	TPNODL19906318	100	MIXED	AMI	FUNCTIONAL	100%	47	0.015	0.010	0.006	38.06%
4322113	432211301	CHANPADA	TPNODL19904853	100	MIXED	AMI	FUNCTIONAL	100%	111	0.015	0.010	0.005	34.96%
4322113	432211301	CHANPADA	TPNODL19905861	100	MIXED	AMI	FUNCTIONAL	100%	76	0.023	0.016	0.007	31.01%
4322113	432211301	CHANPADA	TPNODL19906654	100	MIXED	AMI	FUNCTIONAL	100%	72	0.017	0.016	0.001	5.87%
4322113	432211302	VELLORA	TPNODL19906935	100	MIXED	AMI	FUNCTIONAL	100%	48	0.018	0.008	0.009	52.37%
4322113	432211302	VELLORA	TPNODL19907772	100	MIXED	AMI	FUNCTIONAL	100%	53	0.009	0.006	0.002	28.25%
4322226	432222604	MURUSI	TPNODL19904802	100	MIXED	AMI	FUNCTIONAL	100%	99	0.016	0.011	0.005	30.90%
4322224	432222403	BANAADHA	TPNODL19900060	100	MIXED	AMI	FUNCTIONAL	100%	25	0.011	0.005	0.006	54.13%
4322224	432222403	BANAADHA	TPNODL19905909	100	MIXED	AMI	FUNCTIONAL	100%	67	0.012	0.006	0.006	35.58%
4322224	432222403	BANAADHA	TPNODL19906324	100	MIXED	AMI	FUNCTIONAL	100%	142	0.021	0.014	0.008	38.75%
4322224	432222403	BANAADHA	TPNODL19906499	100	MIXED	AMI	FUNCTIONAL	100%	30	0.015	0.011	0.004	26.09%
4322226	432222606	LANGALESWAR OLD	TPNODL19903179	100	MIXED	AMI	FUNCTIONAL	100%	41	0.008	0.005	0.002	28.14%
4322226	432222606	LANGALESWAR OLD	TPNODL19905754	100	MIXED	AMI	FUNCTIONAL	100%	102	0.014	0.010	0.004	29.01%
4322226	432222606	LANGALESWAR OLD	TPNODL19906325	100	MIXED	AMI	FUNCTIONAL	100%	102	0.065	0.029	0.036	55.34%
4322232	432223201	BALIAPAL	TPNODL19900112	100	MIXED	AMI	FUNCTIONAL	100%	144	0.023	0.012	0.011	47.62%
4322232	432223201	BALIAPAL	TPNODL19901844	100	MIXED	AMI	FUNCTIONAL	100%	97	0.033	0.018	0.015	45.82%

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Details of DT-wise losses (please add more rows as per requirement)													
Sub-station ID	Feeder ID	Feeder Name	DT ID No.	DT Capacity (kVA)	Predominant- consumer type of DT (Domestic/Industrial/Agricultural/ Mixed)	Type of metering (Unmetered/AMI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
		(1)	(2)						(3)	(4)	(5)	(6)=(4)-(5)	(7)=[(6)/(4)]*100
432233	432233201	BALIAPAL	TPNODL39801913	100	MIXED	AMI	FUNCTIONAL	100%	87	0.017	0.011	0.006	37.00%
432233	432233201	BALIAPAL	TPNODL39801915	100	MIXED	AMI	FUNCTIONAL	100%	107	0.021	0.020	0.011	35.46%
432233	432233201	BALIAPAL	TPNODL39802084	100	MIXED	AMI	FUNCTIONAL	100%	134	0.040	0.027	0.013	32.96%
432233	432233201	BALIAPAL	TPNODL39802087	200	MIXED	AMI	FUNCTIONAL	100%	99	0.040	0.028	0.022	53.64%
432233	432233201	BALIAPAL	TPNODL39803104	100	MIXED	AMI	FUNCTIONAL	100%	90	0.030	0.030	0.009	36.36%
432233	432233201	BALIAPAL	TPNODL39803105	200	MIXED	AMI	FUNCTIONAL	100%	116	0.017	0.038	0.009	33.03%
432233	432233201	BALIAPAL	TPNODL39803107	100	MIXED	AMI	FUNCTIONAL	100%	73	0.043	0.030	0.023	53.48%
432233	432233201	BALIAPAL	TPNODL39803141	100	MIXED	AMI	FUNCTIONAL	100%	76	0.014	0.010	0.004	31.40%
432233	432233201	BALIAPAL	TPNODL39803142	100	MIXED	AMI	FUNCTIONAL	100%	84	0.026	0.018	0.008	30.95%
432233	432233201	BALIAPAL	TPNODL39803143	100	MIXED	AMI	FUNCTIONAL	100%	87	0.031	0.018	0.013	41.62%
432233	432233203	KHAPARAPADA	TPNODL39800727	100	MIXED	AMI	FUNCTIONAL	100%	94	0.016	0.009	0.007	45.71%
432233	432233203	KHAPARAPADA	TPNODL39800781	100	MIXED	AMI	FUNCTIONAL	100%	17	0.017	0.015	0.002	12.86%
432233	432233203	KHAPARAPADA	TPNODL39804403	100	MIXED	AMI	FUNCTIONAL	100%	58	0.018	0.011	0.007	39.62%
432233	432233203	KHAPARAPADA	TPNODL39801803	100	MIXED	AMI	FUNCTIONAL	100%	91	0.018	0.008	0.009	42.62%
432233	432233203	KHAPARAPADA	TPNODL39801808	100	MIXED	AMI	FUNCTIONAL	100%	34	0.009	0.002	0.003	58.43%
432233	432233203	KHAPARAPADA	TPNODL39804944	100	MIXED	AMI	FUNCTIONAL	100%	126	0.026	0.014	0.012	45.92%
432233	432233203	KHAPARAPADA	TPNODL39806777	100	MIXED	AMI	FUNCTIONAL	100%	85	0.032	0.016	0.016	50.38%
432233	432233204	PRATAPPUR OLD	TPNODL39801846	100	MIXED	AMI	FUNCTIONAL	100%	84	0.013	0.011	0.013	54.51%
432233	432233601	PRATAPPUR NEW	TPNODL39800078	100	MIXED	AMI	FUNCTIONAL	100%	42	0.006	0.004	0.002	35.38%
432233	432233602	PRATAPPUR NEW	TPNODL39800103	100	DOMESTIC	AMI	FUNCTIONAL	100%	4	0.007	0.022	0.015	41.26%
432233	432233602	PRATAPPUR NEW	TPNODL39800132	100	DOMESTIC	AMI	FUNCTIONAL	100%	1	0.016	0.018	0.008	29.14%
432233	432233602	PRATAPPUR NEW	TPNODL39800144	100	MIXED	AMI	FUNCTIONAL	100%	67	0.016	0.008	0.008	51.62%
432233	432233602	PRATAPPUR NEW	TPNODL39800124	100	MIXED	AMI	FUNCTIONAL	100%	113	0.018	0.014	0.004	23.30%
432233	432233602	PRATAPPUR NEW	TPNODL39800213	100	MIXED	AMI	FUNCTIONAL	100%	115	0.017	0.018	0.008	30.97%
432233	432233602	PRATAPPUR NEW	TPNODL39800216	100	MIXED	AMI	FUNCTIONAL	100%	51	0.015	0.009	0.009	57.93%
432233	432233602	PRATAPPUR NEW	TPNODL39800400	100	MIXED	AMI	FUNCTIONAL	100%	139	0.027	0.018	0.009	32.37%
432233	432233602	PRATAPPUR NEW	TPNODL39800401	100	MIXED	AMI	FUNCTIONAL	100%	79	0.019	0.014	0.005	26.41%

Annexure - 1 : Proforma for Consumer Category wise Subsidy Billed/Received/Due for period 1st Apr, 2023 - 31st Mar, 2024

FY2023-24

S.No.	Division Name	Consumer Category (Separate for each subsidised consumer category)	Billed Energy			Subsidised Billed Energy			Applicable rate of Subsidy as		Subsidy Due from State Govt			Subsidy Actually Billed/claimed from State Govt. (Rs	Subsidy Received from State Govt. (As against col 13)	Balance Subsidy yet to be Received from State Govt.
			Metered	Un-metered*	Total	Metered (out of col 2)	Un-metered* (Out of col 3)	Total	Metered Energy**	Un-metered Energy**	Metered Energy	Un-metered Energy	Total			
			(In kwh)			(In kwh)			(In Rs/kwh)		(In Rs. Cr.)			(In Rs. Cr.)	(In Rs. Cr.)	(In Rs. Cr.)
		1	2	3	4=2+3	5	6	7=5+6	8	9	10=5x8	11=6x9	12=10+11	13	14	15=13-14
1	TPNODL (Total)	Residential	[illegible]	[illegible]	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Agricultural	[illegible]	[illegible]	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Commercial/Industrial-LT	[illegible]	[illegible]	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Commercial/Industrial-HT	[illegible]	0	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Others (Specify)	[illegible]	[illegible]	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Total	[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NA: NOT APPLICABLE

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