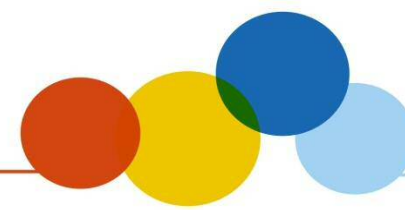


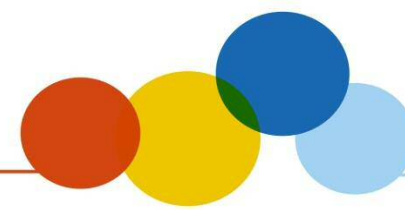


1. Aggregate Revenue Requirement and Determination of Wheeling & Retail Supply Tariff for FY 2024-25:- (Case no. 125 of 2023)
2. Determination of Open Access Charges for FY 2024-25 :- (Case no. 127 of 2023)
3. Truing up for FY 2022-23 (Case no-126 of 2023)
4. Reconsideration of Truing up for FY 2020-21 (Jun'20-Mar'21) and True up FY 2021-22





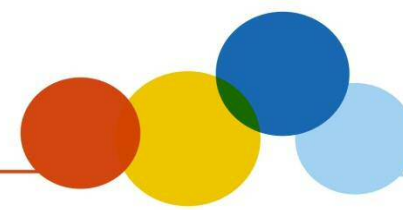
- 1 >> TPCODL at a Glance
- 2 >> Our Achievements as an Utility
- 3 >> Overall Performance of TPCODL
- 4 >> ARR for FY 2024-25
- 5 >> Tariff Rationalization & Other Proposals
- 6 >> True up of FY 2022-23
- 7 >> Reconsideration of True up of FY 2020-21 (10 Months) and FY 2021-22
- 8 >> Open Access Charges for FY 2024-25



## 1. TPCODL at a Glance

TPCODL at a Glance

# TPCODL at a Glance



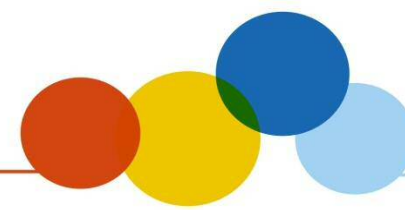
**TPCODL**



31.80 Lakhs customers spread across 29,354sq.km

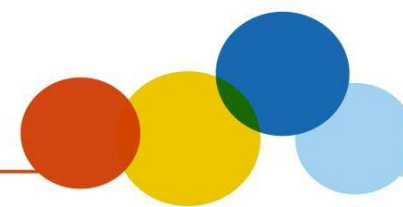
As on 31.03.2020	33/11 kV PSS: <b>288</b>	STS Capacity: <b>3869</b> MVA	Distribution Capacity: <b>4832</b> MVA	33KV Line: <b>3846</b> Circuit KM	11KV Line: <b>36786</b> Circuit KM	LT Line: <b>48035</b> Circuit KM
As on 31.12.2023	33/11 kV PSS: <b>371</b>	STS Capacity: <b>4917</b> MVA	Distribution Capacity: <b>5745</b> MVA	33KV Line: <b>4119</b> Circuit KM	11KV Line: <b>39494</b> Circuit KM	LT Line: <b>50625</b> Circuit KM
Addition (% Increase)	83 Nos (29%)	1048 MVA (27%)	913 MVA (19%)	273 Ckt KM (7%)	2708 Ckt KM (7%)	2590 Ckt KM (5%)

Consumer Addition since Vesting to Dec'23	4.8 Lakhs
Load (CD) Addition since Vesting to Dec'23	1380 MW
SMD Increase since Vesting to Dec'23	622 MW



## 2. Our Achievement as an Utility

## Key Highlights



01

AT&C loss has reduced to 19.73% (12 Monthly loss as on Q3 FY 24)

02

Rs. 866 Cr Capital expenditure works against OERC approved Capex

03

75 Seater, 24X7 Call Center operational

04

Digital payment increased to 5.47 Lacs in Dec-23 from 3.83 Lacs in Mar-23

05

840 Nos of Bidyut Seva Kendras (BSKs) have been established

06

205 Nos of PSS have been automated and integrated with Central PSCC

07

100% GIS Mapping of network 90 % GIS Mapping of consumers is completed

08

MoU signed with 8 Nos. Colleges under Train to Hire Initiative

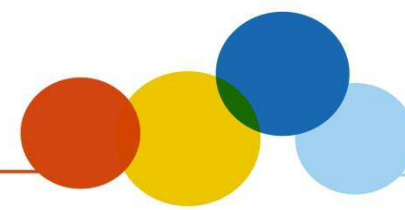
09

'Consumer Service Rating of Discoms' (CSRD) GoI, improved from C+ in FY22 to B+ in FY23

10

Provisional billing reduced from 38% on June 2020 to 3.22% in Dec-23



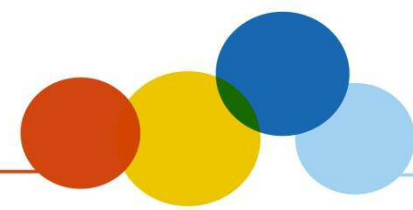


Shree Mandira Parikrama Prakaalpa



Puri Rath Yatra





Skill Development Centres for Practical Training



FRP Ladder



Induction helmet



Use of HT Neon Tester



Use of Discharge Rod



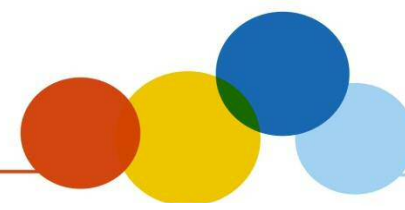
LT Shorting links



Wired LOTO

Safe Zone  
Practice





**Safety awareness through  
Suraksha Sachetan Rath**



**Nukkad-Natak for Public  
Safety Awareness**



**Playing of Jingles Through PA  
Systems**



**Village Safety Committee  
Meeting**



**Safety Awareness in School**



**Safety Pamphlet**



**Public Safety Awareness Camp**



**Safety Rally**





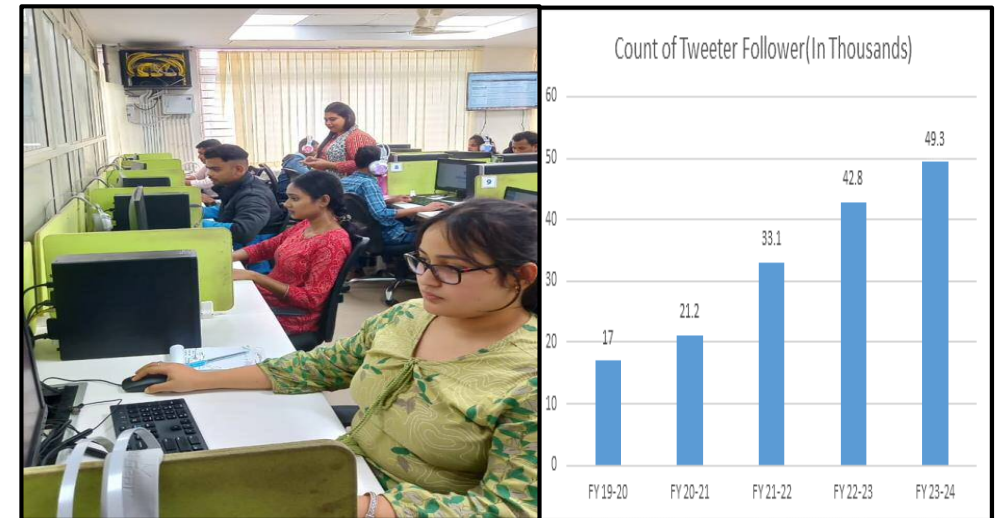
75 seater 24\*7 Call Centre



Customer Care Centre in all 20 Divisions

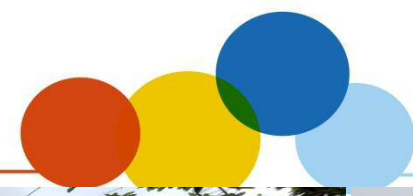


Bidyut Sewa Kendra - One Stop Solution for Rural Consumer



Digital Command Centre for Social Media Complaints





BEFORE



AFTER

3<sup>rd</sup> Floor IDCO Tower

BEFORE



AFTER

GRF Bhubaneswar



BEFORE



AFTER

Angul Division Office(Rented to Own)



BEFORE



AFTER

E&amp;MR Bhubaneswar



BEFORE



AFTER

Jatani SDO Office



BEFORE



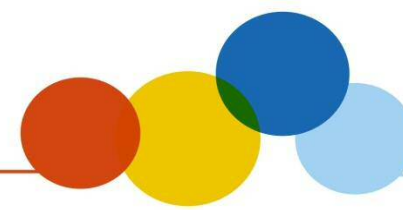
AFTER

FCC at Kendrapara Division

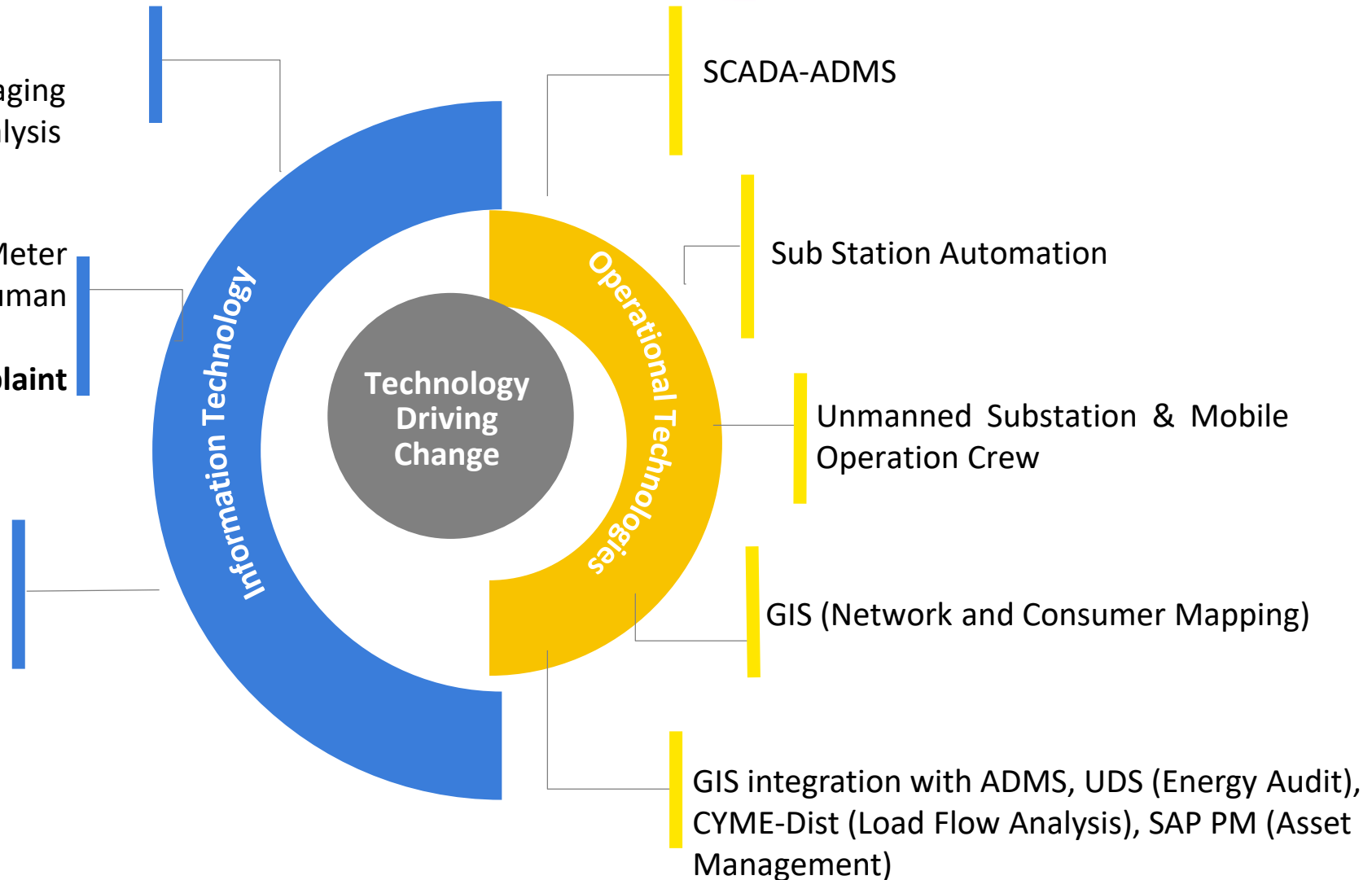


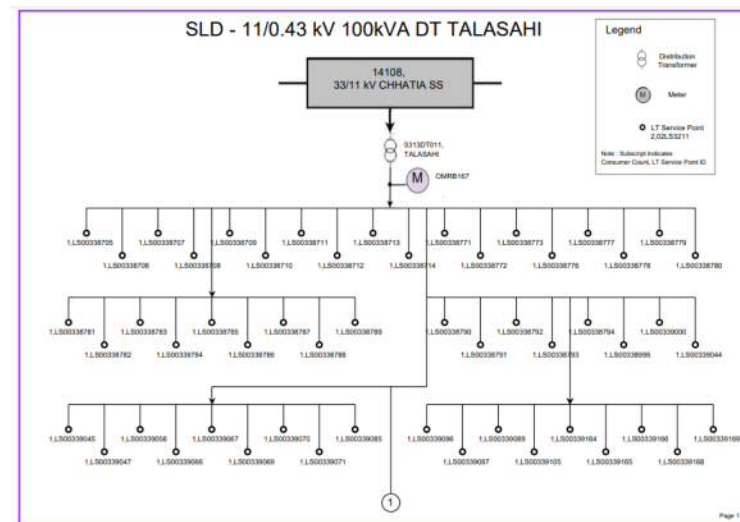


# Technology

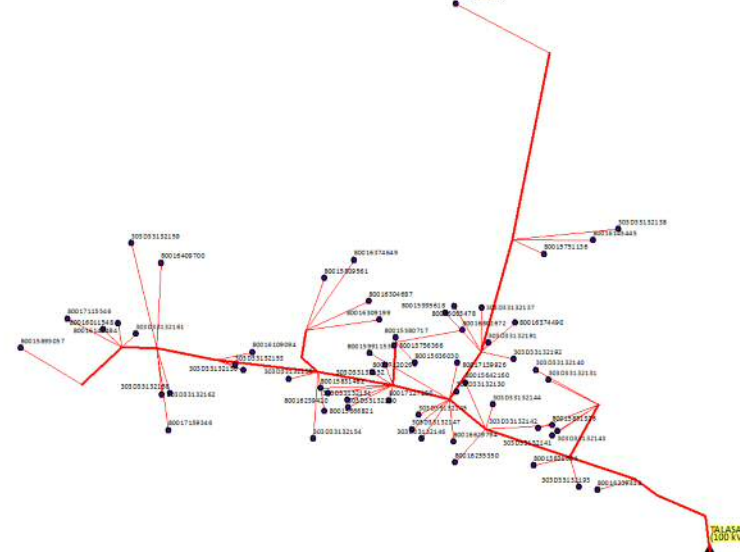


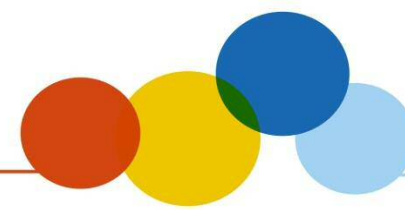
- **SAP-ISU, BO, BI-** Accurate Billing ,
- **Smart Meter (HES, MDM)**
- Meter Data Analysis System- Managing Data for Smart Meters and for Analysis
- **MMG 2.0, OCR Reading,-**Better Meter Management, Reducing Human Intervention
- **FCC 2.0- Improved Complaint management and closure**
- **Suraksha Kavach 2.0, Suraksha Prahari-** Improved Safety Practices





**GEO SLD – TALSAHI - 3313DT011**

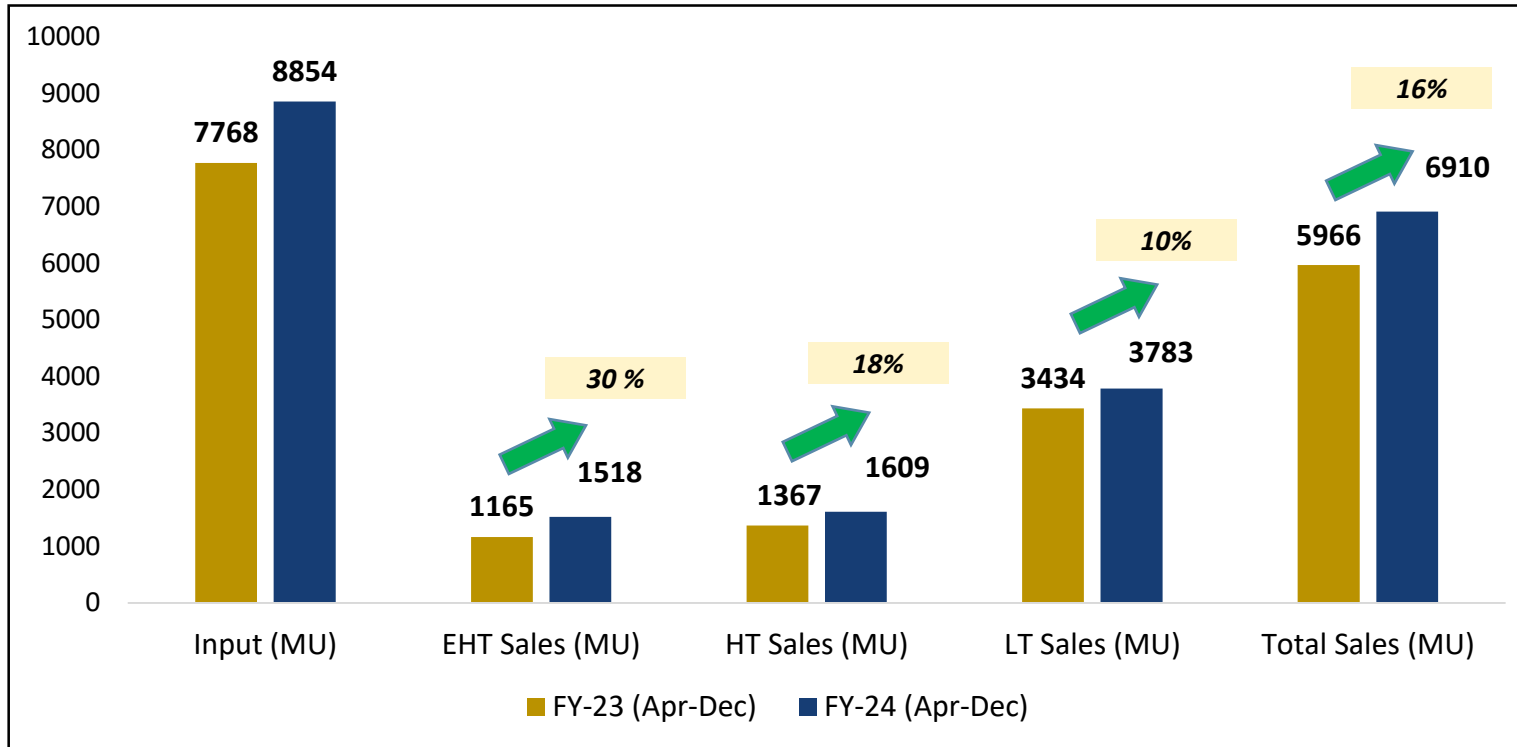




### 3. Overall Performance



## Overall Performance (Apr-Dec ) FY24 Vs FY23



### Growth Rate in Sales

Parameters	UoM	FY-23 (Apr-Dec)	FY-24 (Apr-Dec)	% Diff
Input	MU	7768	8854	14%
EHT Sales	MU	1165	1518	30%
HT Sales	MU	1367	1609	18%
LT Sales	MU	3434	3783	10%
Total Sales	MU	5966	6910	16%

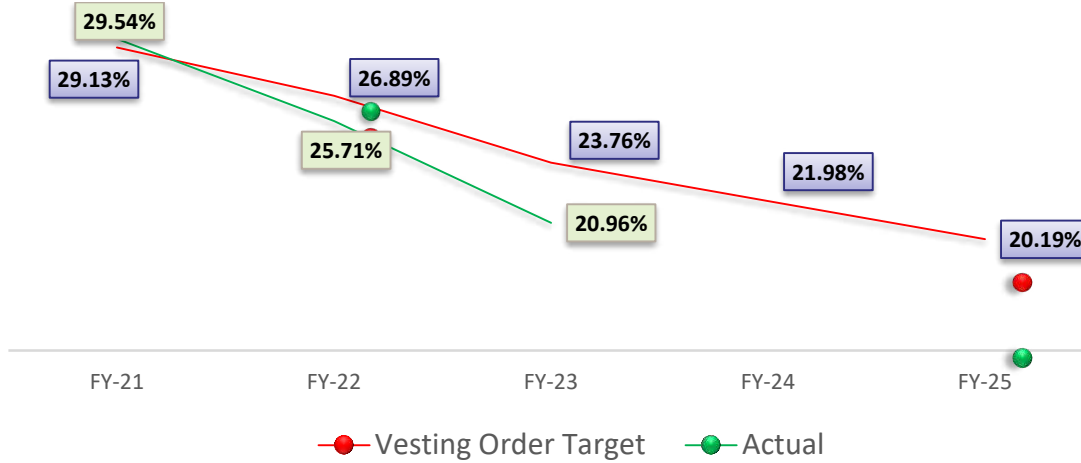
AT&C Loss for FY 2023-24 estimated to be less than the Vesting Order target of 21.98%

# Overall Performance-Target Vs Actual

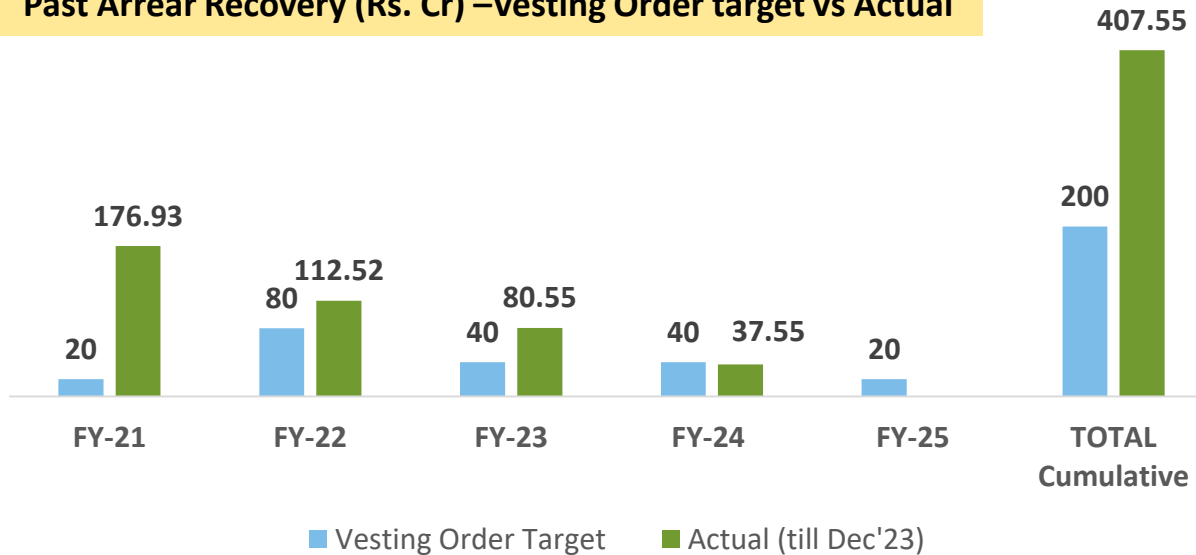


TPC ODL

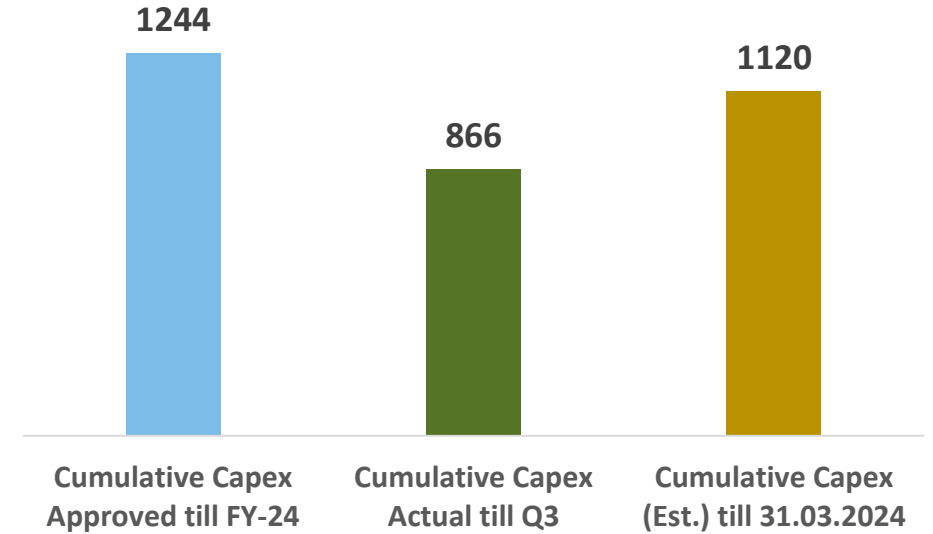
## AT&C Loss – Vesting Order target vs Actual



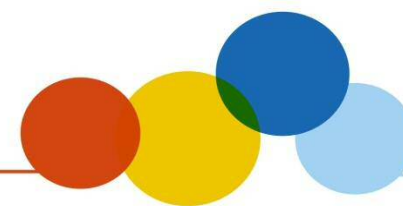
## Past Arrear Recovery (Rs. Cr) –Vesting Order target vs Actual



## Cumulative Capex (Rs. Cr) – Approved vs Actual till Dec 23



Actual Capex is Hard cost only excluding IDC, Emp Cost & GRIDCO Contribution



## 1 Government Funded Schemes

Amt in Crs.		
Sl. No.	Project Name	Sanctioned Amount
1	School & AWC	36
2	Elephant Corridor & Movement Area Ph IV Pt II	131
3	Electrification of 49677 Nos HHs under BGJY (On-Grid)	69.9
4	Electrification of 329 Nos HHs under BGJY (Off-Grid)	1.6
5	ODSSP Ph. IV	350
6	ODSSP Ph. V	318
7	SDMF	41
<b>Total</b>		<b>947.5</b>

**In addition to own projects, TPCODL is executing Government Projects worth Rs 950 Crores**

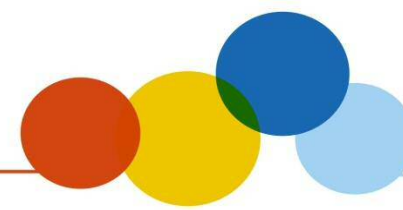
## 2 Meter Capitalisation

Sr No	Year	Quantum of Capitalisation (Rs Cr)
1	FY 2020-21	21.91
2	FY 2021-22	45.38
3	FY 2022-23	124.9
4	FY 2023-24 (upto Nov 23)	49
<b>5</b>	<b>Total</b>	<b>241.19</b>

## 3 Consumer Schemes and Opening CWIP

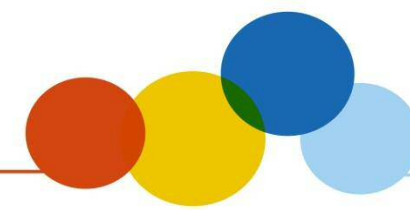
Sr No	Year	Consumer Scheme Capitalisation	Capitalisation from Opening CWIP	Total
1	FY 2020-21	2.57	129.31	131.88
2	FY 2021-22	42.48	274.23	316.71
3	FY 2022-23	226.38	44.32	270.7
4	FY 2023-24 (upto Nov 23)	27.82		27.82
<b>5</b>	<b>Total</b>	<b>299.25</b>	<b>447.86</b>	<b>747.11</b>





## 4.ARR for FY 2024-25

## Gist of the ARR and Approach



### Basis

- OERC Tariff Regulations, 2022
- Vesting Order dated 26.05.2020.
- Carved Out Balance Sheet Order dated 30.09.2021.
- Capex Orders for FY-21,FY-22,FY-23, FY-24,FY-25
- True up petition filed for FY -21 (10 months),FY-22,FY-23
- Approval for Recruitment of Manpower

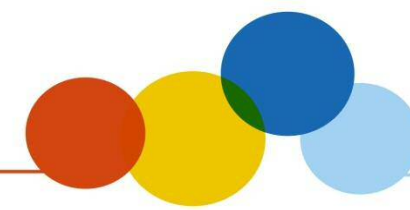


Capex estimated for FY 2024-25

Opex estimated for FY 2023-24 & for FY 2024-25

Gap Computed for FY 2023-24 & for FY 2024-25

# Sales Projection for FY2023-24 and FY 2024-25



## Sales Est.



Sr No	Category	UoM	FY-22 Actual Sales	FY-23 Actual Sales	FY-24 Sales(Est.)	FY-25 Sales(Projected)	FY-23 over FY-22	FY-24 (Est.) over FY-23	FY-25 (Proj.) over FY-24 (Est.)
1	LT	MU	4117	4269	4897	5592	4%	15%	14%
2	HT	MU	1462	1813	2076	2288	24%	15%	10%
3	EHT	MU	1149	1556	1862	2065	35%	20%	11%
4	Total Sale	MU	6728	7639	8835	9944	14%	16%	13%

## Sales Mix

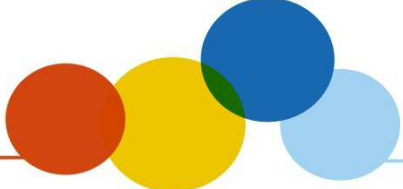


Sr No	Category	UoM	FY-22 Actual Sales	FY-23 Actual Sales	FY-24 Actual Sales(Est.)	FY-25 Actual Sales(Est.)
1	LT	%	61%	56%	55%	56%
2	HT	%	22%	24%	24%	23%
3	EHT	%	17%	20%	21%	21%
Total	Total	%	100%	100%	100%	100%

- The Mix of Consumption has moved towards EHT over the years- Has been constant after Covid Year ( FY 22)
- Part of the consumption in FY 24 has been due to Open Access consumers moving towards Discom



# Power Purchase Estimate for FY 2023-24 and FY 2024-25



Est. Power Purchase and  
AT&C Loss



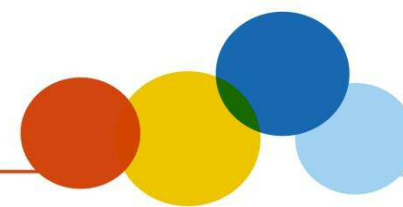
Sr No	Category	UoM	FY-24 Actual Sales(Est.)	FY-25 Actual Sales(Est.)
1	Total Sales	MU	8835	9944
2	<b>Total Power Purchase</b>	<b>MU</b>	<b>11213</b>	<b>12306</b>
3	Billing Efficiency	%	78.79%	80.81%
4	Collection Efficiency	%	99.00%	99.00%
5	<b>AT&amp;C Loss</b>	<b>%</b>	<b>22.00%</b>	<b>20.00%</b>

Est. Power  
Purchase Cost



Power Purchase Cost for ARR				
Sr No	Particular	Unit	FY-2023-24	FY-2024-25
A	Total Sales (MU)	MU	8835	9944
B	Normative Billing Loss	%	21.21%	19.19%
C= A/(1-B)	Normative Input/Power Purchase Units	MU	11213	12306
D	Power Purchase Cost @ BSP Rate of Rs.3.05/kWh	Rs. Cr	3420	3753
E	Transmission Charges @ Rs.0.24 /kWh	Rs. Cr	269	295
F	SLDC Charges @ (Rs. 14.52 Lakhs per Month)	Rs. Cr	1.7	1.7
G=D+E+F	<b>Total Power Purchase Cost</b>	Rs. Cr	<b>3691</b>	<b>4050</b>
H	Rebate Considered at 1%	Rs. Cr	37	41
I	<b>Net Power Purchase Cost After Rebate</b>	<b>Rs. Cr</b>	<b>3654</b>	<b>4010</b>

## Estimated Capitalisation for ARR



*in Rs. Crore*

Sr No	Major Category	Capex approved till 31.03.2024	Capex approved for FY 2024-25	Actual Cumulative Capex till 31.03.2023	Actual Cumulative Capitalization till 31.03.2023	Est. Capex in FY 2023-24	Est. Capitalization in FY 2023-24	Est. Capex in FY 2024-25	Est. Capitalization in FY 2024-25
1	Statutory and Safety	119.42	11.39	95.96	85.78	25.51	30.11	7.54	9.28
2	Loss Reduction	194.84	30.0	82.24	65.99	76.80	42.28	57.24	99.43
3	Reliability	433.53	196.83	222.59	201.73	152.52	100.15	213.96	224.98
4	Load Growth	207.78	77.29	80.76	36.64	122.95	114.77	68.39	94.96
5	Technology & Infrastructure	288.07	65.15	143.74	129.94	121.20	113.23	69.59	72.77
6	<b>Total</b>	<b>1243.64</b>	<b>380.68</b>	<b>625.29</b>	<b>520.08</b>	<b>498.98</b>	<b>400.54</b>	<b>416.73</b>	<b>501.44</b>

Actual (Cumulative) as on 31.12.2023

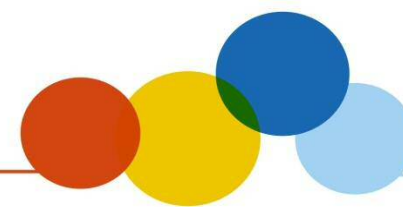


**866**

**688**

*Note: The above is Hard Cost only ,excluding IDC, Employee Cost Capitalization and Common Stock procured for Capex Jobs*

# O&M Expenditure - Employee Expenditure 1/3



1

## Est. Employee Cost for FY-24 & FY-25

All Amounts in Rs. Cr

Sr No	Particulars	FY-24 Approved	FY-24 Estimate	FY-25 Estimate
1	Cost of of erstwhile CESU Employees (incl. Outsourced Employees)	707.44	710.1	732.22
2	Cost of New TPCODL Employees	95.8	127.5	152.89
3	<b>Total Gross Employee Cost</b>	<b>803.24</b>	<b>837.6</b>	<b>885.11</b>
4	Less: Employee Cost Capitalized	26.3	26.3	29
5= 3-4	<b>Net Employee Cost</b>	<b>776.94</b>	<b>811.3</b>	<b>856.11</b>

## New TPCODL Emp Cost for FY 2023-24

- Rs. 95.8 Cr was approved against Proposed Rs. 132.7 Cr in Tariff Order FY-24.
- TPCODL vide letter Dt. 17<sup>th</sup> April'23 and 3<sup>rd</sup> June '23 submitted the approved cost is inadequate and even lower than FY-23 actuals of Rs.109.7 Cr.
- Against the above submission, the Hon'ble Commission vide letter Dt. 12<sup>th</sup> July 2023 stipulated that the matter would be considered while pouncing the Order for FY 2024-25.**
- The estimated cost of Rs. 127.5 Cr is based on escalation of existing CTC employees and 100% impact of recruited manpower in FY 2022-23 ( partial impact in FY-23 due to staggered recruitment) and approved recruitment in FY-24.

2

## % increase in Employee Cost over the years

### % Growth in Emp Cost

Item	#FY-22 Actuals	FY-23 (est)	FY -24 (Est.)	FY-25 (Est.)
Gross Emp Cost (Rs. Cr)	743.1	775.99	837.61	885.12
Growth (%)		4%	8%	6%

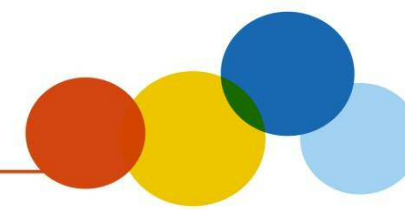
# Rs. 33.9 Cr towards 7th Pay Arrear has been excluded from FY-22 actuals



**Reasonable Growth of 8% in FY-24 & 6% in FY-25**

## New TPCODL Emp Cost for FY 2024-25

- Employee Cost projected considering an escalation of 9% over FY 24
- Further additional cost due to recruitment in FY 24 and FY 25



## Manpower Ratio per thousand Consumers

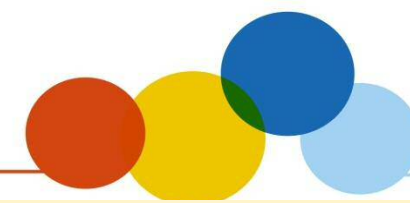
Sr No	Head		FY 21	FY 22	FY 23	FY 24	FY 25
<b>A</b>	<b>Approval from the Hon'ble Commission</b>						
1	Recruitment approved by Hon'ble OERC	No	532	266	100	100	150
2	Total Approved till end of FY	No	532	798	898	998	
<b>B</b>	<b>Movement of New Recruitment</b>						
3	Opening Balance	No	0	611	709	798	998
4	Net Addition	No	611	98	89	200	150
5	Closing Balance	No	611	709	798	998	1148
<b>C</b>	<b>Movement of Erstwhile Manpwer</b>						
6	Opening Balance	No	4917	4648	4440	4272	4136
7	Retirements	No	-269	-208	-168	-136	-138
8	Closing Balance	No	4648	4440	4272	4136	3998
<b>D=B+C</b>	<b>Movement of Total Manpower of TPCODL</b>						
9	Opening Balance	No	4917	5259	5149	5070	5134
10	Net Addition	No	342	-110	-79	64	12
11	Closing Balance	No	5259	5149	5070	5134	5146
<b>E</b>	<b>Manpower Ratio (Employees per Thousand Consumers)</b>						
12	No of Consumer (Closing)	Lakhs	27.9	29.27	30.75	32.1	33.1
13	Manpower Ratio	No per Thousand	1.88	1.76	1.65	1.60	1.55



Workforce ratio of 1.4 Regular Employees per Thousand Consumers is estimated to be achieved by FY 2027-28

- **Substantial Retirement of Lineman** since taking over ( about 600 Retirement since takeover).
- **Recruitment of 150 Lineman** proposed in FY 2024-25 ( The Cost impact is very less)

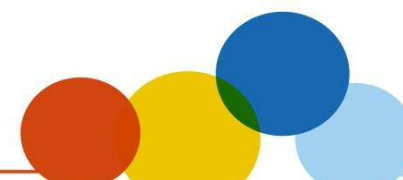




### Impact of EVAP not included at present

- TPCODL Proposes to implement Electric Vehicle Advance Policy (EVAP) for erstwhile employees in line with OPTCL policy announced vide circulars dt. 3<sup>rd</sup> Mar 2023 based on the guideline issued by Finance Department ,GoO vide memorandum dt. 5<sup>th</sup> April 2022.
- The Schemes proposes to provide interest free recoverable advance to eligible employees (Details provided in the Petition at Section 6.2 (Page 71-79)
- **At present we have not considered the cost impact on account of above for ARR FY-25.**
- Once the scheme is approved, the Hon'ble Commission is requested to allow additional Employee Cost for erstwhile Employees for ARR FY 2024-25.

# O&M Expenditure - R&M Expenditure



## 1. R&M cost (est.) for FY 2024-25

*All Amount in Rs. Cr*

Sr No	Particular	FY-25
1	R&M on Assets in Books of TPCODL @4% of Opening GFA	254
2	R&M on Assets not in books of TPCODL but maintained by TPCODL @ 3% of Opening GFA	62
3	Special R&M	42
<b>Total estimated R&amp;M for FY 2024-25</b>		<b>358</b>

## 3. R&M on Asset not in books@ 3%

*All Amount in Rs. Cr*

Sr No	Particular	Amount	Remark
1	Closing GFA as on 31.03.2023	1,939.19	Derived from Note 38 of the Financial Statement for FY 2022-23
2	GFA Addition during FY-24	125	CWIP as on 31.03.2023 was Rs. 250 Cr (Note-38), 50% is assumed to be capitalized in FY-24
3=1+2	Closing GFA as on 31.03.2024	2,064.35	
4	R&M % Norm as per New Tariff Regulations,2022	3%	
5= 3 x4	<b>R&amp;M on Asset not in Books of TPCODL but maintained by TPCODL</b>	<b>62</b>	

## 2. R&M on own Asset @ 4 %

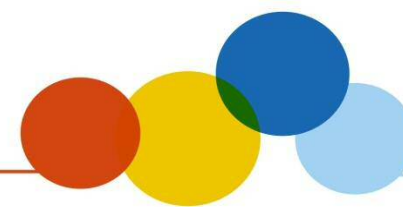
Sr No.	Particular	Amount (Rs. Cr)
1	GFA as on 31.03.2023 as per Audited Financial Statement for FY 2022-23	5305
2	Estimated GFA Addition in FY 2023-24	1042.33
3=1+2	Estimated GFA as on 31.03.2024 (Opening GFA for FY 2024-25)	6347.2
4	R&M % Norm for FY 2024-25 as per Tariff Regulation,2022	4%
5=3 x4	<b>R&amp;M on Asset in Books of TPCODL for FY 2024-25</b>	<b>254</b>

## 4. Special R&M

- Discoms advised to ensure **FCC manning of all Rural Areas in 2 shifts** SAC meeting of July'23 -- > Manpower requirement of 440 resulting in expenditure of **Rs. 10 Cr** for TPCODL.
- Uniform to all Business Associates** for easy identification(as discussed in SAC meeting) : **Rs. 2 Cr.**
- Better Enforcement and Dehooking Activities** to reduce Losses: **Rs. 30 Cr.**

**Total Special R&M : Rs. 42 Cr**

# O&M Expenditure - A&G Expenditure 1/2



## 1. A&G Cost

<i>in Rs. Cr</i>				
Sr. No	Particular	FY-24 Approved	FY-24 Estimate	FY-25 Estimate
1	Normal A&G	142	168	179.8
2	Additional/Special A&G	0	0	54
<b>3=1+2</b>	<b>Total A&amp;G</b>	<b>142</b>	<b>168</b>	<b>234</b>

## 2. Estimate based on Norms

Sr No	Particular	Amount (Rs.Cr)
1	A&G Cost approved in FY 2023-24 Tariff Order	142
2	A&G Cost to be considered as base ( Equal to actual Estimated Expenditure for FY 2023-24)	168
3	A&G for FY 2024-25 by applying a base of 7% p.a	179.9
4	Additional or Special Expenditure Required	54
<b>5</b>	<b>Total A&amp;G Cost Required</b>	<b>234</b>

## 3. Estimate on' Zero Based Budgeting'

Particulars	Total estimate for Current FY 2023-24	Total Estimate for (FY 2024-25)
Rental of land, buildings, plant and equipment, etc	7.17	9.25
Electricity consumption expenses	4.57	3.75
Telephone & Communication expenses	2.12	2.27
Foods and conveyance	1.60	1.60
Bank & other charges	6.98	7.47
Office expenses + Facility Management and House Keeping etc	9.50	10.62
Travelling expenses	6.22	6.50
Insurance premium	7.00	9.63
Legal and professional charges	7.61	10.90
Software & IT expenses	0.53	4.46
Other Finance/Statutory Expenses	4.86	5.20
Advertisement & marketing expenses	2.60	5.15
Metering and billing expenses	103.73	144.02
Collection, Payment Transcation Charges, Customer Awareness for Digital/Prompt/Regular Payments, Customer Service (Cust. Care, Call Center, Meter Services etc.)		
Printing and stationary	2.09	2.10
Miscellaneous expenses	1.53	3.00
DSM Activity		8.00
<b>TOTAL</b>	<b>168</b>	<b>234</b>

# O&M Expenditure - A&G Expenditure 2/2



*in Rs. Crores*

Sr. No	Particular	FY-24 Estimate	FY-25 Estimate
1	Customer Related Expenditures	103.73	144.0
2	Statutory and Compulsory Fianace Related Charges	26.45	33.2
3	Administrative Expenses	31.67	34.49
4	Other A&G Cost (IT, Advertisement ,Misc etc.)	6.26	14.2
5	DSM Activity		8
6	<b>Total A&amp;G</b>	<b>168</b>	<b>234</b>

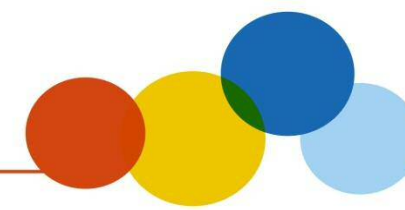


## Customer Related Expenditure – Cost Escalation

Sr No	Particulars	Amount (Rs. Cr)
1	Minimum escalation of 5% on overall cost incurred for FY24.	5
2	Additional ₹1 per read per month for 26 Lac consumers considered as Incentive on Optical Character Recognition (OCR) Reading to meter readers To identify and Increase billing unit & amount. Also plan to print successful OCR reading photo on bill server through this initiative Hence Total est. ₹ 3.12 Cr (26Lac*12 months).	3.12
3	Engagement of Addition 314 nos. of Manpower (200 nos. of bill collector, 56 nos. of supervisors & 58 nos. of cashiers) in collection activity to improve average collection coverage costing ₹7.42 Cr. Special site visit for inactive & disconnected cases costing ₹0.66 Cr. Meter Reader & Bill Collector category revise from semi skill to skill for compliance towards GoO gazette notification Dt 28th April,2007 costing ₹7.22 Cr . Hence Total amounting to ₹ 15.3 Cr (7.42+0.66+7.22).	15.3
4	Addition of 12.67 Lac consumers on Whats App & one time promotional messages to them to pay online to improve digital transaction considering ₹0.49 rate per message costing ₹1.49 Cr. Also disconnection notice printing for non-paying & continuous house lock cases for more than two billing cycle costing ₹0.45 Lac . Hence Total ₹ 1.94 Cr (1.49+0.45)	1.94
5	Field Service Executive (FSE)/Centralized processing for new connection plan to improve transparency & uniformity in new connection process.	1.03
6	Introducing Robotics for repetitive nature of works through Robotic Process Automation (RPA) which will reduce cycle time by 4-5 hours in extracting data for different parameters in commercial	0.96
7	Addition of 50 nos. of WSHG in collection in remote rural area to enhance coverage.	0.31
8	Smart Metering Trouble Shooting, SIM/Modem/Lease Line Rental, HES-MDM AMC and Meter testing compliance towards statutory expenses.	7.1
9	Additional 125 nos. of manpower engagement in Bike & Disconnection Squad for disconnection in non-paying costing ₹5.53 Cr.	5.53
<b>Total</b>		<b>40.29</b>



# Other Costs:-Additional Serviceable Liability (ASL)



## 1 Total settlement done till Mar 2023

Sr No	A. ASL Receipts till Mar'23	Amount (Rs. Cr.)
	Heads	
1	Mar'20 Collection	370
2	Apr'20 & May'20 Collection	120.43
3	June'20 Collection	183.7
4	Other Receipts	3.05
5	<b>Total Collection (A)</b>	<b>677.18</b>
	B. ASL Payment till Mar'23	
6	Trade Payable	225.16
7	BSL, SLDC Payment for May'20	211.84
8	Salary Payamnet	42.24
9	Franchise Payment	46.39
10	SCD Interest	32.82
11	Deposit for Service Connection	27.83
12	ED Payment	10.19
13	Creditors/ Short Term Provision Payment	19.31
14	Negative Arrears	26.54
15	Incentive with GST	45.40
16	Payment to GRIDCO	283.16
17	FEDCO & Other Payment	16.30
18	<b>Total Payment (B)</b>	<b>987.18</b>
19	<b>ASL for Mar'23 C= (A-B)</b>	<b>-314.06</b>
20	Interest on funding ASL Payment for FY-23 (D)	-11.49
21	Balance Opening Cash Available (E)	20.69
22	Depreciation on Opening Assest +Assets from Op CWIP for FY 20-21(F)	12.59
23	Depreciation on Opening Assest +Assets from Op CWIP for FY 21-22 (G)	27.94
24	*Depreciation on Opening Assest +Assets from Op CWIP for FY 22-23 (H)	17.43
	<b>Net ASL as on 31.03.2023 (H) = C+D+E+F+G+H</b>	<b>-246.90</b>

\* Note: Depreciation on Old Assets amounting to Rs. 15.66 Cr for FY 2022-23 has been utilized towards Working Capital by the Hon'ble Commission while approving interest on working capital for FY 2023-24 in Tariff Order FY 2023-24 (Table -53, Page 115). This amount has been adjusted /deducted from the Depreciation available for funding ASL for FY-23

## 2 Recovery of ASL payment claimed in ARR

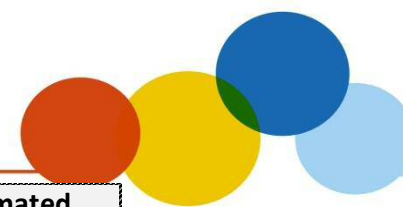
in Rs. Crore				
Sr No	Particular	FY 2023-24	FY 2024-25	Remark
1	Opening Net ASL (For Opening ASL as on 31.03.2023 , the True Up Petition FY 2022-23 may be referred to )	246.9	301.47	
2	Estimated Payment under ASL during the FY	54.57	8	Please refer Table below
3	Estimated Depreciation available for funding ASL	0.00	29.68	Please refer to 'Depreciation' Section for details
4=1+2-3	Closing ASL /Net ASL to be Funded	301.47	279.79	
5=4-1	ASL Recovery Claimed in ARR		<b>32.89</b>	

Note: in FY-24 Tariff Order, the Depreciation on old assets for FY-24 has been adjusted against Working Capital. In view of this , no depreciation has been used for FY-24 in above table

## 3 Estimated ASL Payment in FY-24 & FY-25

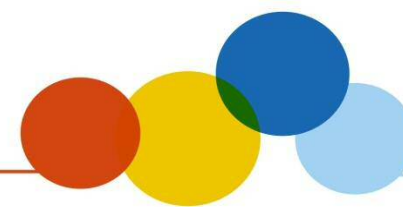
in Rs. Crore				
Sr No	Particular	Total Amount	In FY-24	In FY-25
1	Approval Received in FY-24	17.84	17.84	
2	Approval Pending	4.23	4.23	
3	Payable to Enzen (Final Settlement)	27.5	27.5	
4	Claims being received/estimated to be received against advertisement published in Newspaper	13	5	8
5	<b>Total</b>	<b>62.57</b>	<b>54.57</b>	<b>8</b>

## Estimated ARR for FY 2024-25



Sr No.	Particular	UoM	Approved in ARR FY 2023-24	Estimated Gap/Surplus for FY 2023-24	Estimated Gap/Surplus for FY 2024-25
<b>A</b>	<b>Total Gross Power Purchase ,Transmission &amp; SLDC Cost (Before Rebate)</b>	<b>Rs. Cr</b>	<b>3704.96</b>	<b>3690.91</b>	<b>4050.46</b>
1	Net Employee Cost	Rs. Cr	777	809	856
2	R&M Expenditure	Rs. Cr	279.38	279.38	358
3	A&G Expenditure	Rs. Cr	142	168	234
4	Provision for Bad & Doubtful Debt	Rs. Cr	51.71	52.43	58.14
5	Depreciation	Rs. Cr	81.38	100.50	137.77
6	Total Interest on SD, Long Term & Working Capital Loan	<b>Rs. Cr</b>	<b>114.71</b>	<b>173.75</b>	<b>213.66</b>
<b>B=sum(1:6)</b>	<b>Total Operation &amp; Maintenance Cost and Other Cost</b>	<b>Rs. Cr</b>	<b>1446.12</b>	<b>1583.28</b>	<b>1857.49</b>
7	RoE	Rs. Cr	81	93	119
8	Tax on RoE	Rs. Cr		31	40
<b>D=B+7+8</b>	<b>Total Distribution Cost</b>	<b>Rs. Cr</b>	<b>1526.74</b>	<b>1707.07</b>	<b>2016.43</b>
9	Less: Misc Receipt/Non Tariff Income (including Open Access Charges)	Rs. Cr	109.55	109.55	114
<b>E= D-9</b>	<b>Net Distribution Cost</b>	<b>Rs. Cr</b>	<b>1417.19</b>	<b>1597.52</b>	<b>1902.43</b>
F	Total Special Appropriation	Rs. Cr	83.33		
<b>G=A+E+F</b>	<b>Total Revenue Requirement</b>	<b>Rs. Cr</b>	<b>5205.5</b>	<b>5288.44</b>	<b>5952.89</b>
H	Estimated Revenue at existing Tariff	Rs. Cr	5170.7	5243	5814
<b>I= H-G</b>	<b>(Gap) / Surplus</b>	<b>Rs.Cr</b>	<b>-34.80</b>	<b>-45.09</b>	<b>-138.54</b>
J	Recovery of ASL	Rs. Cr			32.89
<b>K= I-J</b>	<b>(Gap) / Surplus after considering Recovery of ASL Payment</b>	<b>Rs.Cr</b>			<b>-171.42</b>

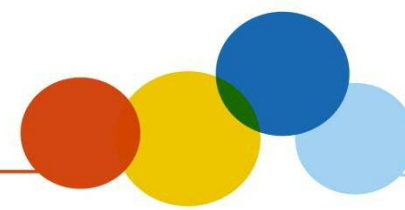
## Cumulative Gap along with Carrying Cost



The Cumulative Gap with the True up Performance from 1<sup>st</sup> June 2020 to 31<sup>st</sup> March 2023 and estimated performance for FY 2023-24 and FY 2024-25.

Sr No	Particulars	Units	FY 21(10 Months)	FY 22	FY 23	FY 24	FY 25
1	Opening Gap	Rs Cr	0.00	55.43	-29.61	149.36	198.30
2	Addition	Rs Cr	43.50	-70.28	154.67	45.09	171.42
3	Relevant Carrying Cost	Rs Cr	11.93	-14.76	24.31	3.9	0.0
4	<b>Closing Gap with Interest</b>	<b>Rs Cr</b>	<b>55.43</b>	<b>-29.61</b>	<b>149.36</b>	<b>198.30</b>	<b>369.73</b>





## **5. Tariff Rationalization Proposal and Other Special issues for Consideration**



S No	Description
1	<p><b>Re-introduction of DPS for LT Domestic, LT General Purpose and HT Bulk Supply Domestic Consumers.</b></p> <p>However, Due Date for the payment to be extended from normal 7 days to next due date as made applicable in past.</p> <p>The GPS and Domestic category billing is 90% of LT Billing and 46 % of total Billing.</p>
2	<p><b>Encouragement towards e-Bill. Discount of Rs. 10 per Bill Per Month</b> for those who opt for it.</p>
3	<p><b>Creation of Corpus for meeting Natural Calamities :</b> Separate charge of Rs. 2 per month from all Consumers through Energy Charges.</p> <p>Alternatively, the Hon'ble Commission may consider approving Self Insurance of Assets for cost of 0.9% of the GFA. TPCODL has written to the Hon'ble Commission in this regard.</p>
4	<p><b>Billing of Public Lighting:</b> Wherever meters not installed, billing to be done assuming <b>11 Hours burning time.</b></p> <p>The 11 Hours norm has been directed by the Hon'ble Commission in earlier Tariff Order.</p>

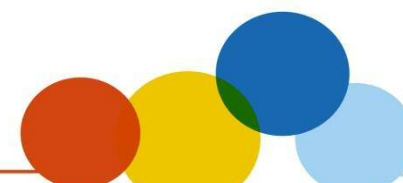


S No	Description
5	<p><b>Meter Cost to be recovered in Tariff instead of through Meter Rent</b> (i.e. Meter expenditure to be part of Capex Plan)</p> <p>For already installed meters, Capex incurred so far less rent recovered to be Considered as Capex for Discom.</p>

## Illustration- Un-recovered Meter Cost in Capex

Sr No	Particulars	Unit	Value
1	Investment in Meters from Vesting	Rs Cr	260
	<b><i>Meter Rent Recovered</i></b>		
2	FY 2020-21	Rs Cr	32
3	FY 2021-22	Rs Cr	52
4	FY 2022-23	Rs Cr	44
5	FY 2023-24	Rs Cr	52
6	<b>Total Meter Rent Recovered</b>	<b>Rs Cr</b>	<b>180</b>
7	<b>Un recovered Meter Cost to be considered in Capex</b>	<b>Rs Cr</b>	<b>80</b>





## Description

- **Pro-rata Billing** for deviation from the billing cycle of 30 days.
- While Discoms working towards adhering to +3 working days of monthly Billing Cycle under normal condition, various factors like uncontrollable climatic conditions viz. Kalbaisakhi, Monsoons, extremely high temperature in summer etc are acting as deterrent.
- 6 ▪ Billing on the fixed date every month (+3 days) may not be feasible every month for reasons as explained above.
- Pro-rata adjustment of Slabs limits based on actual days of billing vis a vis the standard norm of 30 days ( 365 Days/ 12 ) will ensure Consumers get the full slab benefit under all actual billing period scenarios (vis a vis the norm).
- In practice in many states- Punjab, Bihar, Maharashtra, UP

## 1.Scenario for No of Billing Days

1	Actual Billing Days	Days	33	27	30
2	Standard Monthly Billing Days (365/12)	Days	30	30	30
3 = (1/2)	Pro-Rata Factor	No	1.1	0.9	1
4	Total Billed Unit for the Month	kWh	500	500	500

## 2. Impact Analysis of Scenarios

Scenario -1 Actual Days of Billing: 33 days, Pro-Rata Factor: 1.1 ( 33/30)						
Slabs for Domestic Consumers	Energy Charges for Slab (Rs./kwh)	Standard Slab (Existing Practice) in kwh	Adjusted Slab on Pro-rata basis (Proposed Method) in kwh	Energy Charges as per existing method of Billing (Rs.)	Energy Charges as per proposed method of Billing (Rs.)	Difference (Rs.)
	A	B	C = B X Pro-Rata factor	D = A x B	E = A X C	F = D-E
0-50	3	50	55	150	165	-15
50-200	4.8	150	165	720	792	-72
200-400	5.8	200	220	1160	1276	-116
>400	6.2	100	60	620	372	248
<b>Total</b>		<b>500</b>	<b>500</b>	<b>2650</b>	<b>2605</b>	<b>45</b>

Scenario -2 Actual Days of Billing: 27 days, Pro-Rata Factor: 0.9 (27/30)						
Slabs for Domestic Consumers	Energy Charges for Slab (Rs./kwh)	Standard Slab (Existing Practice) in kwh	Adjusted Slab on Pro-rata basis (Proposed Method) in kwh	Energy Charges as per existing method of Billing (Rs.)	Energy Charges as per proposed method of Billing (Rs.)	Difference (Rs.)
	A	B	C = B X Pro-Rata factor	D = A x B	E = A X C	F = D-E
0-50	3	50	45	150	135	15
50-200	4.8	150	135	720	648	72
200-400	5.8	200	180	1160	1044	116
>400	6.2	100	140	620	868	-248
<b>Total</b>		<b>500</b>	<b>500</b>	<b>2650</b>	<b>2695</b>	<b>-45</b>

Scenario -3 Actual Days of Billing: 30 days, Pro-Rata Factor: 1 (30/30)						
Slabs for Domestic Consumers	Energy Charges for Slab (Rs./kwh)	Standard Slab (Existing Practice) in kwh	Adjusted Slab on Pro-rata basis (Proposed Method) in kwh	Energy Charges as per existing method of Billing (Rs.)	Energy Charges as per proposed method of Billing (Rs.)	Difference (Rs.)
	A	B	C = B X Pro-Rata factor	D = A x B	E = A X C	F = D-E
0-50	3	50	50	150	150	0
50-200	4.8	150	150	720	720	0
200-400	5.8	200	200	1160	1160	0
>400	6.2	100	100	620	620	0
<b>Total</b>		<b>500</b>	<b>500</b>	<b>2650</b>	<b>2650</b>	<b>0</b>



**Sl. No.**      **Description**

**Matters related to Supply Code,2019 --- >**

- 1 **Revision of Reconnection Charges :** Charges were fixed way back in 2012, cost of reconnection has gone up considerably since then.

Sr No	Category	Prior to 1 <sup>st</sup> April 2012 (Rs)	Continuing since 1 <sup>st</sup> April 2012	Proposed Reconnection charges
1	LT Single Phase Domestic Consumer	75	150	300
2	LT Single Phase other consumer	200	400	800
3	LT 3 Phase consumers	300	600	1200
4	All HT & EHT consumers	1500	3000	6000

- 2 **Standard Service Connection Charges:**  
No mention of Standard Service Connection Charges for 3 phase LT Connection (above 5 KW). Required to expedite the process.  
  
Cost of Cable based on discovered price after rigorous tendering process.

Sr No	Contract Demand	Service Connection Charges (excluding GST)
1	Upto 10 KW	4500
2	11-20 KW	7000
3	21-40 KW	10000
4	41-50 KW	19500
5	51-63 KW (70 KVA)	33000
6	>70 KVA	As per load requirement and Estimate thereof
The Charges are calculated based on average 25 meters service length and use of armoured cable		

- 3 **Realistic Assessment of Load:** Assessment for unauthorized use being done on LDF basis. The Load Factor being considered do not provide a realistic assessment.

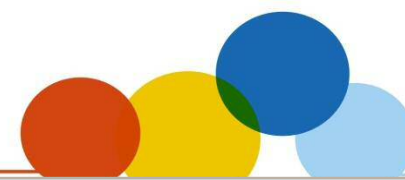
**Proposed ->**

**For Domestic –** LF of 30% in place of existing 10%

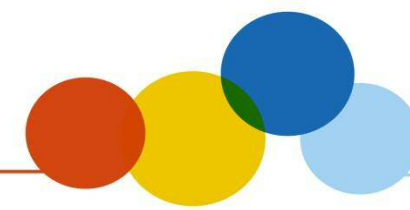
**For General Purpose:** LF of 60 % in place of existing 30%

**For Continuous Process Industries :** LF at 100%

## Other Special Issues for Consideration of the Hon'ble Commission (1/3)



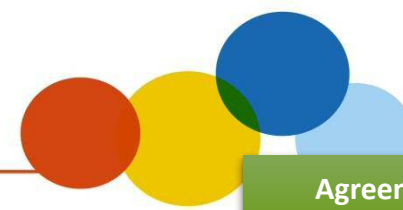
Sl. No.	Description
1	<p><b>Expenditure for Energy Police Station.</b> ( Not factored at present, if approved may be allowed during True up for FY 2024-25)</p> <p>3 No's of Energy Police Station proposed for FY 2024-25 (impact of Rs. 1.425 Cr) , based on success more will be planned.</p> <p>Alternatively, the Hon'ble Commission may consider allowing cost of additional Police Personnel earmarked &amp; deployed for working exclusively with Discom . Estimated Cost per location is about Rs. 42 Lakhs.</p>
2	<p><b>Approval of Interest EV Scheme for erstwhile employees :</b> Proposed in line with Electric Vehicle Advance Policy (EVAP ) of OPTCL announced vide Circular dt.3<sup>rd</sup> Mar'23 which is based on DoE, GoO memorandum dt. 5<sup>th</sup> April 2022.</p> <p>Impact not considered currently in ARR FY-25, once approved the Hon'ble Commission may kindly accord approval for additional Employee Cost on account of this Scheme.</p>
<b>Issues related to Supply Code,2019 –Providing Power Supply to Consumers --- &gt;</b>	
3	<p><b>Relaxation in Documents for providing New Connections:</b> For New Connection only documents in support of (a) Identity Proof and (b) Ownership Proof should Suffice. Additional Documents can be taken care of by means of standard undertaking/ self-certification.</p> <p>Additional Documents not to be pre-requisite for new connection, undertaking to identify the utility from any loss/dispute etc.</p>
4	<p><b>Extension of Time Period for temporary connection: Proposal :</b> Extension of timeline for a temporary connection for construction purpose from 6 months to time till activity is proposed as construction activities take 1-2 years time and permanent connection can not be given as wiring is not complete.</p>



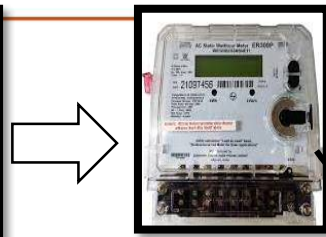
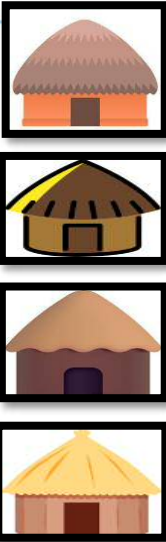
Sl. No.	Description
5	<b>Agreement for Supply: Proposal:</b> No requirement of Agreement for all LT and HT Connections up to 1 MVA, initial application to be considered as standard agreement. (Currently agreement in standard format required for all 3 Phase other than domestic & GP)
<b>Implementation of Smart Meters and Other Meters- Approval of In Principle Capital Investment</b>	
6	<ul style="list-style-type: none"><li>• TPCODL has requested for considering Meter Cost in Capex instead of Meter Rent</li><li>• The Board of TPCODL has approved Capital Investment to the extent of 1 Lakh Meters for a total Capital Cost of Rs 42.46 Crores</li><li>• We request the Hon'ble Commission to kindly approve in principle investment of Rs 42.46 Crores in Smart Meters Rs 4246 per Meter</li></ul>



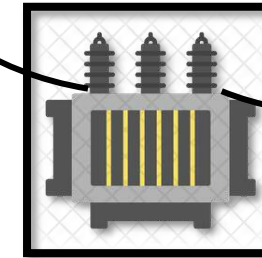
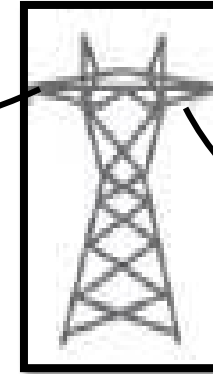
# Other Special Issues for Consideration of the Hon'ble Commission (3/3)- DSM Budget



Agreement between  
Consumer & DISCOM



Annual Generation:  
xx kWh per year



**Rooftop Solar thru VNM Model as per MNRE Guidelines**  
**Target: 5 MW in FY 25**

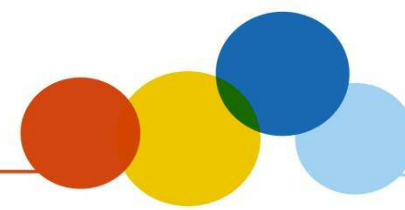
Sample Annual Req'd: 120000 kWh  
(Considering 100 Cons.  
@ 1200kWh P.A)

Participating Rural HH	100Nos
Cost per kWp	Rs. 55,000
CFA	Rs. 18,000
SFA (Proposed)	Rs. 20,000
DISCOM towards PC	Rs. 17,000
Addl. Cost for OPEX (Lum sum) *	

Opex Consist of:

1. Interest on W.C.
2. Lease Rent
3. Watch & Ward (till 5<sup>th</sup> Year)
4. AMC 6<sup>th</sup> Year onwards incl. W&W

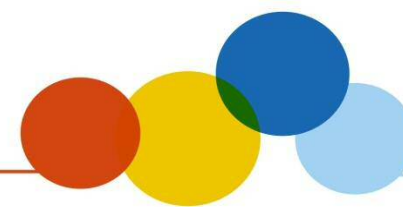
Sr No	Particulars	Units	Value
1	Capacity proposed to be setup	MW	5
2	Rate to be allowed in the ARR	Rs/Kw	17000
3	Amount in ARR (as DSM Measure)	Rs Cr	8.5



## 6. True up for FY 2022-23

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## True up FY 2022-23 (1/2)



### Key Parameters

Sr No	Particular	UoM	Approved	Actual Claimed for True up FY 2022-23
A	<b>Total Gross Power Purchase ,Transmission &amp; SLDC Cost (Before Rebate)</b>	<b>Rs. Cr</b>	<b>3212.87</b>	<b>3249.29</b>
1	Net Employee Cost	Rs. Cr	752	752
2	R&M Expenditure	Rs. Cr	239.85	235
3	A&G Expenditure	Rs. Cr	133	133
4	Provision for Bad & Doubtful Debt	Rs. Cr	34.28	47
5	Depreciation	Rs. Cr	48.34	67.65
6	Total Interest on SD, Long Term & Working Capital Loan	<b>Rs. Cr</b>	<b>50.78</b>	<b>112.86</b>
7	Loss on Retirement of Fixed Assets	<b>Rs. Cr</b>		<b>5.75</b>
<b>B=sum(1:7)</b>	<b>Total Operation &amp; Maintenance Cost and Other Cost</b>	<b>Rs. Cr</b>	<b>1257.56</b>	<b>1352.65</b>
9	RoE	Rs. Cr	48	74
10	Tax on RoE	Rs. Cr		25
<b>C=B+9+10</b>	<b>Total Distribution Cost</b>	<b>Rs. Cr</b>	<b>1305.55</b>	<b>1452.16</b>
11	Less: Misc Receipt/Non Tariff Income (including Open Access Charges)	Rs. Cr	107.21	109
<b>D=C-11</b>	<b>Net Distribution Cost</b>	<b>Rs. Cr</b>	<b>1198.34</b>	<b>1342.67</b>
12	Provisional Surplus Considered	Rs. Cr	140	
13	Gain/(Loss) Due to AT&C Loss	Rs. Cr		3
<b>E=A+D+12+13</b>	<b>Total Revenue Requirement</b>	<b>Rs. Cr</b>	<b>4271.21</b>	<b>4595.10</b>
F	Estimated Revenue at existing Tariff	Rs. Cr	4273	4687
<b>G= F-E</b>	<b>(Gap) / Surplus</b>	<b>Rs.Cr</b>	<b>1.79</b>	<b>92.23</b>
H	Recovery of ASL paid till FY-23	Rs. Cr		246.90
<b>I=G-H</b>	<b>(Gap) / Surplus after considering Recovery of ASL Payment</b>	<b>Rs.Cr</b>		<b>-154.67</b>

Sr No	Particular	UoM	Approved	Actual Claimed for True up FY 2022-23	Remark / Reference to Petition
I	<b>Key Parameters</b>				
a	Sales	MU	7545	7639	Table 3-1
b	Power Purchase /Input	MU	9790	9902	Table 3-2
c	AT&C Loss	%	23.70%	20.96%	Table 3-2
d	Billing Efficiency	%	77.07%	77.15%	Table 3-2
e	Collection Efficiency	%	99.00%	102.45%	Table 3-2
f	Distribution Loss	%	22.93%	22.85%	Table 3-2

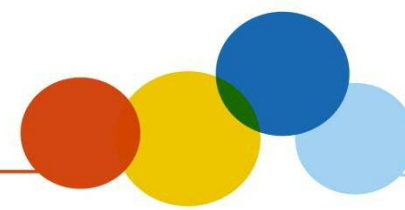
### Efficiency Gain due to AT&C Loss Achievement

Sr No	Particular	UoM	Value	Ref
A	Actual Sales	MU	7639	
B	Normative Billing Loss	%	22.93%	
C = A / (1-B) Normative Power Purchase Unit		MU	9911.8	
D	Normative Power Purchase Cost @ Rs 3.00 pu	Rs. Cr	2973.5	
E	Actual Power Purchase Costs (from Gridco)	Rs. Cr	2970.4	Table 3-3 , Sr. No-A (Page 21)
<b>F= D-E</b>	<b>Efficiency Gain / (Loss)</b>	<b>Rs. Cr</b>	<b>3</b>	

### Efficiency Gain due to Interest on Working Capital

Sr No	Particulars	Amt (Rs Cr)
1	Normative Interest on Working Capital	27.5
2	Actual Interest on Working Capital	17.8
3	Gain	10
4= 3 x (1/3)	Efficiency Gain allowed to TPCODL	3
5= 3 x (1/3)	Efficiency Gain offered to Consumers	3
6= 3 x (1/3)	Efficiency Gani to be kept in Tariff Balancing Reserve	3
7=2+4+6	Claim in True Up	24

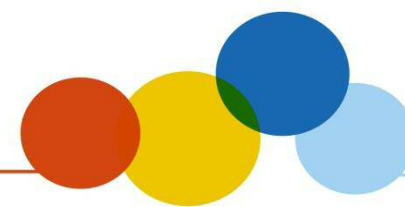




## 7. Re Consideration of Truing up of FY 2020-21 (10 Months) and FY 2021-22

7. RE CONSIDERATION OF TRUING UP OF FY 2020-21 (10 MONTHS) AND FY 2021-22

## Observation of the Hon'ble Commission with regard to True up of FY 2020-21 and FY 2021-22



TPCODL

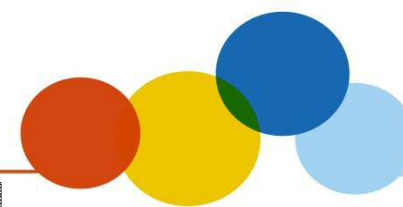
The Hon'ble Commission in the Tariff Order dated 23.03.2023 has stipulated following with regards to True up of FY-21 and FY-22.

*“189. The Commission hereby finalises the truing up of expenses of the new DISCOMs (TPCODL, TPSODL, TPWODL & TPNODL) for the FY 2020-21 and FY 2021-22. The Commission finds that the **actual expenses booked in the audited accounts are higher than the approved costs for most of components, particularly for O&M. However, DISCOMs have booked higher Revenues also against the approved Revenues in the ARR. The DISCOMs have proposed to allow the higher costs owing to the operational requirement during these initial two years of the operations i.e FY 2020-21 and 2021-22. The Commission observes these proposed higher costs can only be verified through relevant information/data, field visits and third party audit.**” (Emphasis Supplied).*

In response to TPCODL's letter dt. 17<sup>th</sup> April 2023 requesting approval of actual incurred employee cost and other DISCOMs' submission on True up issues, the Hon'ble Commission vide letter dated 16.05.2023 referring to para 189 of the Tariff Order FY 2023-24 has stipulated following.

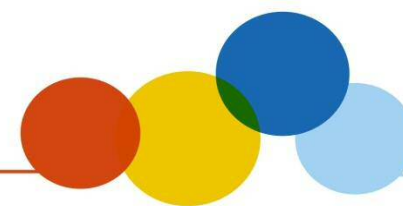
*“ In view of the above observation , the **Commission only after undertaking verification of information /data through field visits and third-party audit may reconsider higher/lower cost ,if any, in the Truing up for FY 2020-21 and FY 2021-22 including any variation in the calculation methodology as per the existing Regulations. This will be taken into consideration while finalizing the ARR for FY 2024-25.**” (Emphasis Supplied).*

## True up FY-21 ( 10 Months)



TRUE UP FOR FY 2020-21 (JUNE 2020 TO MARCH 2021)			
TRUE UP OF TPCODL -FY 2020-21 (10 Months)	TPCODL June 20 to March 21 (Proposed)	Approved in Tariff Order FY-2023-24	Sought in this Submission
<b>Expenditure</b>			
Cost of Power Purchase	1982.73	1985.25	1985.25
Employee costs	584.44	566.82	587.17
Repair & Maintenance	142.33	142.34	142.34
A&G Expenses	84.72	84.72	84.72
Provision for Bad & Doubtful Debts	28.12	28.12	28.12
Interest on Security Deposit	22.19	22.19	22.19
Depreciation	15.33	15.33	15.33
Interest on Working capital	35.16	10.98	10.98
Interest on long term debt	1.40		
Finance cost	1.21		
Sub-Total	<b>2897.63</b>	<b>2855.75</b>	<b>2876.10</b>
Less: Employee cost capitalised		2.73	2.73
<b>(A)Total</b>	<b>2897.63</b>	<b>2853.02</b>	<b>2873.37</b>
Income Tax	13.90	0.00	
Return on equity	41.32	40.00	40.00
<b>(B) Sub total</b>	<b>55.22</b>	<b>40.00</b>	<b>40.00</b>
<b>TOTAL(A+B)</b>	<b>2953</b>	<b>2893</b>	<b>2913</b>
Less Miscellaneous Receipt	47.60	57.78	57.78
Receipt on account of open access	20.79		
<b>Total Revenue Requirement</b>	<b>2884.46</b>	<b>2835.24</b>	<b>2855.59</b>
<b>Revenue from Sale of Power</b>	<b>2791.58</b>	<b>2812.13</b>	<b>2812.13</b>
<b>(Gap) / Surplus</b>	<b>-92.9</b>	<b>-23.1</b>	<b>-43.5</b>

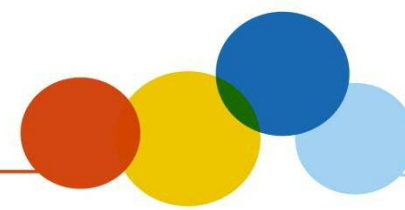
- Due to Pro-rata approach, under allowance of actual incurred employee cost of erstwhile employees to the extent of Rs. 20.35 Cr .
- Expenses like 7<sup>th</sup> Pay Commission Arrears cannot be Pro-rated
- As erstwhile CESU Employees Cost is uncontrollable, the same may please be allowed at actuals.



TRUE UP FOR FY 2021-22			
TRUE UP OF TPCODL -FY 2021-22	Proposed FY 2021-22	Approved in Tariff Order FY-2023-24	Sought in this Submission
<b>Expenditure</b>			
Cost of Power Purchase	2688.68	2688.74	2688.74
Employee costs	776.62	722.82	777.00
Repair & Maintenance	203.00	202.94	202.94
Administrative and General	123.00	123.00	123.00
Provision for Bad & Doubtful Debts	39.78	39.78	39.78
Depreciation	41.25	41.25	41.25
Interest on Working capital	43.92	43.92	43.92
Interest on consumer security	31.64	31.64	31.64
Interest on long term loan	9.06	9.06	9.06
Financing cost	0.99	0.99	0.99
Sub-Total	<b>3957.94</b>	<b>3904.14</b>	<b>3958.32</b>
Less: Employee cost capitalised	22.34	22.34	22.34
<b>(A) Total expenses</b>	<b>3935.6</b>	<b>3926.48</b>	<b>3935.98</b>
Deferred tax provision			
Return on equity	59.00	59.00	59.00
Tax on ROE	19.93		
<b>(B) Sub total</b>	<b>78.93</b>	<b>59.00</b>	<b>59.00</b>
<b>TOTAL(A+B)</b>	<b>4014.53</b>	<b>3985.48</b>	<b>3994.98</b>
Less: Miscellaneous Receipt	107.08	87.21	87.21
Receipt on account of CSS		0.00	
<b>Total Revenue Requirement</b>	<b>3907.9</b>	<b>3898.27</b>	<b>3907.77</b>
<b>Revenue from Sale of Power</b>	<b>3932.00</b>	<b>3978.05</b>	<b>3978.05</b>
<b>(Gap) / Surplus</b>	<b>24.39</b>	<b>79.78</b>	<b>70.28</b>
Repayment of ASL	237.84		
<b>Total Gap considered for True up</b>	<b>-213.45</b>		

- The Actually Incurred cost of Outsourced Employees amounting to Rs. 51.82 Cr has been inadvertently not considered while approving Emp Cost for FY 2021-22.
- In addition there is short allowance of Rs. 1.98 Cr.
- Further, the Capitalization of Employee Cost amounting to Rs. 22.34 Cr has been inadvertently added back instead of being subtracted in Table -70 of the Tariff Order for FY 2023-24.
- Request the actually incurred Employee Cost be approved at actuals.





## 8.Open Access Charges for FY 2024-25 (Case No- 127 /2023)

(Case No- 127 /2023)

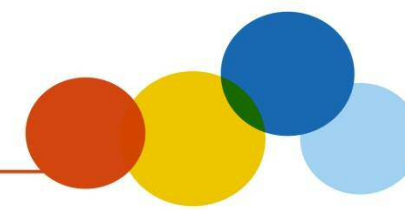
# Computation of Wheeling Business ARR & Wheeling Charges

Sr No	Particulars	Total (Rs Cr)	Wheeling Business Share	Retail Supply Business Share	Wheeling Business ARR (Rs Cr)	Retail Supply ARR (Rs Cr)
1	Cost of Normative power Purchase (including Transmission Charge and SLDC Charges) O&M Charges	4050.5	0%	100%	0.00	4050.46
2	Employee Costs (Net of capitalization)	856.19	60%	40%	513.71	342.47
3	Repairs and Maintenance	357.82	90%	10%	322.04	35.78
4	Admin and General	233.91	40%	60%	93.56	140.35
5	Bad and Doubtful Debt including Rebate	58.14	0%	100%	0.00	58.14
6	Depreciation	137.77	90%	10%	123.99	13.78
7	Interest for Capital Loan (incl. Finance Cost)	74.93	90%	10%	67.44	7.49
8	Interest for Working Capital	53.89	10%	90%	5.39	48.50
9	Interest on Security Deposits	84.84	0%	100%	0.00	84.84
10	Return on Equity	118.93	90%	10%	107.04	11.89
11	Tax on RoE	40.00	90%	10%	36.00	4.00
13	ASL Repayment	32.89	90%	10%	29.60	3.29
14	Non Tariff Income-Wheeling	-114.00			-94.00	
15	Non Tariff Retail Income					-20.00
	<b>Total</b>	<b>5985.78</b>			<b>1204.78</b>	<b>4780.99</b>

Wheeling Business ARR

Wheeling Charges Computation

Sr No	Particulars	Unit	Value
1	Wheeling ARR	Rs Cr	1205
2	Energy Input to TPCODL	Mus	12306
3	Less EHT Sales	MUs	-2065
4	Energy input for wheeling computation	MUs	10241
5	Average Load served by the Distribution Licensee	MW	1169.08
6	Wheeling Charges for Medium Term and Long Term	Rs/MW/Day	28234
7	Wheeling Charges for Short Term	Rs/Kwh	1.18



## 1.Computation of CSS

Sr No	Particulars	Units	EHT	HT
1	Average Energy Charge	Rs/Kwh	5.80	5.85
2	Demand Charges	Rs/KVA/Month	250	250
3	PF Considered		0.97	0.94
4	Average Hours in a month	Hrs	730	730
5	Demand Charges converted with 100 % LF	Rs/Kwh	0.353	0.364
6	Total Tariff for CSS considered ( 1+5)	Rs/Kwh	6.15	6.21
7	Cost of Power Purchase	Rs/Kwh	3.05	3.05
8	Applicable Losses	%	3%	8%
9	Wheeling Charge	Rs/Kwh	0	1.18
10	CSS	Rs/KWh	3.01	1.72

CSS Computed based on Formula:  $S = T - [C / (1 - L / 100) + D + R]$

Demand Charges Converted for 100% Load Factor(LF)

**2. No Additional Surcharge** has been proposed



# TPCODL

TP CENTRAL ODISHA  
DISTRIBUTION LIMITED

(A Joint Venture of Tata Power and Government of Odisha)



***ARR of Gridco for FY 2024-25***

***31<sup>st</sup> January 2024***



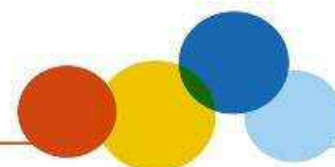
**For You, With You, Always**

ଆପଣଙ୍କ ପାଇଁ, ଆପଣଙ୍କ ସହିତ, ସର୍ବଦା





## Present and Proposed BSP of Gridco



**TPC**  **ODL**

- Present BSP of Gridco for all Discoms of Odisha as per the Tariff Order for FY 2023-24 – Rs 3.29 per Kwh
- Proposed BSP for FY 2024-25 –Rs 3.83 per Kwh

1

## Consider higher generation from State Hydro Units


**TPC** **DL**

- The Hon'ble Commission had considered 5862 Mus for FY 23 and FY 24
- It may be appropriate to consider this generation for FY 2024-25 too

### a State Hydro Generation in the past

Sr No	Year	Sale to Gridco (Mus)	Estimated based on FY 23 generation (Last three months)	Total
1	FY 2017-18	5351		
2	FY 2018-19	5880		
3	FY 2019-20	5861		
4	FY 2020-21	5979		
5	FY 2021-22	4352		
6	FY 2022-23	4786		
7	FY 2023-24 (9 Months)	4096	1000	5096

a

### Additional Hydro Generation

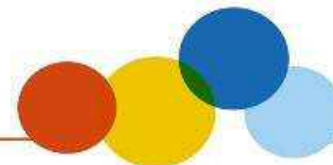
Sr No	Particulars	Unit	Value
1	Availability from OHPC Considered by Gridco	Mus	5299
2	Availability/Energy considered by Hon'ble Commission in Tariff Order of FY 24/FY 23	Mus	5862
<b>3=2-1</b>	<b>Difference</b>	<b>MUs</b>	<b>563</b>

b

### Impact of Additional Hydro Generation

Sr No	Particulars	Units	Value
1	Energy Availability as per the Tariff Petition	Mus	39652
2	Additional Availability to increase in State Hydro Generation	Mus	563
<b>3</b>	<b>Total Energy Availability to be considered</b>	<b>MUs</b>	<b>40215</b>
4	Additional Power Purchase to be considered due increase in Availability (@Rs 1 per Kwh)	Rs Cr	56.3

## Sale of Surplus Availability (1/2)



a

### Prices in the IEX

#### Prices at IEX INR / MWh

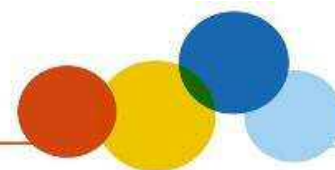
Monthly prices are simple average of non-zero prices in (No of days in a month\*24\*4) no of 15 minutes time block of respective month.

Year: 2023

Year	Month	A1	A2	E1	E2	N1	N2	N3	S1	S2	S3	W1	W2	W3	MCP
2023	Jan	6178.96	6178.96	6178.96	6178.96	6178.96	6178.96	6178.96	6178.96	6178.96	6178.96	6178.96	6178.96	6178.96	6178.96
	Feb	6680.51	6680.51	6680.51	6680.51	6680.51	6680.51	6680.51	6680.51	6680.51	6680.51	6680.51	6680.51	6680.51	6680.51
	Mar	5426.48	5426.48	5426.48	5426.48	5426.48	5426.48	5426.48	5426.48	5426.48	5426.48	5426.48	5426.48	5426.48	5426.48
	Apr	5617.66	5617.66	5617.66	5617.66	5287.4	5287.4	5287.4	5617.66	5651.39	5651.39	5617.66	5617.66	5617.66	5417.23
	May	4737.94	4737.94	4737.94	4737.94	4736.98	4736.98	4736.98	4737.94	4737.94	4737.94	4737.94	4737.94	4737.94	4737.77
	Jun	5370.21	5370.21	5370.21	5370.21	5370.21	5370.21	5380.73	5357.93	5357.93	5357.93	5370.21	5370.21	5370.21	5369.77
	Jul	4547.64	4547.64	4547.64	4547.64	4547.64	4547.64	4547.64	4547.64	4547.64	4547.64	4547.64	4547.64	4547.64	4547.64
	Aug	6893.93	6893.93	6893.93	6893.93	6893.93	6893.93	6893.93	6893.93	6893.93	6893.93	6893.93	6893.93	6893.93	6893.93
	Sep	6233.1	6233.1	6233.1	6233.1	6233.1	6233.1	6233.1	6233.1	6233.1	6233.1	6233.1	6233.1	6233.1	6233.1
	Oct	6454.09	6454.09	6454.09	6454.09	6449.78	6449.78	6449.78	6454.09	6454.09	6454.09	6454.09	6454.09	6454.09	6452.4
	Nov	3986.44	3986.44	3986.44	3986.44	3986.44	3986.44	3986.44	3986.44	3986.44	3986.44	3986.44	3986.44	3986.44	3986.44
	Dec	4547.01	4547.01	4547.01	4547.01	4547.01	4547.01	4547.01	4547.01	4547.01	4547.01	4547.01	4547.01	4547.01	4547.01

Summary	A1	A2	E1	E2	N1	N2	N3	S1	S2	S3	W1	W2	W3	MCP
RTC	5549.71	5549.71	5549.71	5549.71	5522.12	5522.12	5522.98	5548.70	5551.47	5551.47	5549.71	5549.71	5549.71	5533.04
Evening	7194.39	7194.39	7194.39	7194.39	7161.91	7161.91	7163.07	7194.39	7205.48	7205.48	7194.39	7194.39	7194.39	7178.40
Day	4295.72	4295.72	4295.72	4295.72	4251.22	4251.22	4251.22	4295.72	4295.72	4295.72	4295.72	4295.72	4295.72	4265.86
Night	5348.23	5348.23	5348.23	5348.23	5348.23	5348.23	5350.19	5344.77	5344.77	5344.77	5348.23	5348.23	5348.23	5347.56
Morning	5629.77	5629.77	5629.77	5629.77	5590.82	5590.82	5590.82	5629.77	5629.77	5629.77	5629.77	5629.77	5629.77	5607.18

The Sale Price for the last one year has been higher than Rs 5 per Kwh



Sr No	Particulars	Units	Value
1	Energy Availability	Mus	40215
2	Less Energy for Discoms	MUs	37456
3	Additional Energy Available for Trading/Sales	MUs	2759
4	Rate of Energy Sale	Rs/Kwh	5.00
5	<b>Revenue from Sale of Power</b>	<b>Rs Crores</b>	<b>1380</b>



## Consider Reduction of Transmission Charges (1/2)



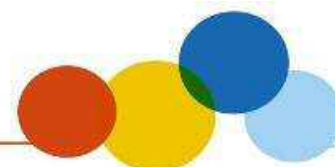
S.No.	Zone	Region	GNA (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹ (without waiver)
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
42	Renew Surya Ojas Pvt. Ltd.	SR								13063356	13063356
43	Ayana Renewable Power Six Private Limited	SR								13063356	13063356
44	West Bengal	ER	3516	219493994	538943742	85355640	87871300	78329144	55367809		1065361629
45	Odisha	ER	2157	79612532	330631869	52364083	53907393	48053460	68579974		633149310

**Transmission Charges for  
January 2024**

S.No.	Zone	Region	GNA (in MW)	Usage based AC system charges (₹)	Balance AC system charges (₹)	National Component (₹)		Regional Component (₹)	Transformers component (₹)	Bilateral Charges (₹)	Total Transmission charges payable in ₹ (without waiver)
				AC-UBC	AC-BC	NC-RE	NC-HVDC	RC	TC		
43	JSW Renew Energy Ltd.	SR								18947268	18947268
44	ReNew Solar Power Pvt Ltd.	SR								4199455	4199455
45	Renew Surya Ojas Pvt. Ltd.	SR								13498801	13498801
46	Ayana Renewable Power Six Private Limited	SR								11596776	11596776
47	West Bengal	ER	3516	110250419	543335013	88296742	90785558	80940116	57213403		970821250
48	Odisha	ER	2157	65422218	333325831	54168394	55695236	49655242	70865973		629132894

**Transmission Charges for  
February 2024**

## Consider Reduction of Transmission Charges (2/2)



Sr No	Particulars	Units	Value
1	GNA of Odisha	MW	2157
2	Charges for January 2024	Rs Cr/Month	63.31
3	Charges for December 2024	Rs Cr/Month	68.33
4	Charges which may be considered for projections	Rs Cr/Month	70
5	Charges for entire year	Rs Cr	840
6	Charges Considered in the ARR	Rs Cr	1018
<b>7</b>	<b>Difference</b>	<b>Rs Cr</b>	<b>-178</b>

## Reduced Interest Chares claimed in the ARR

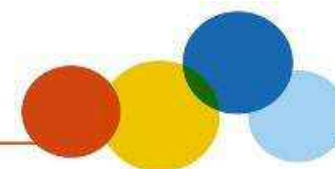


Table -64

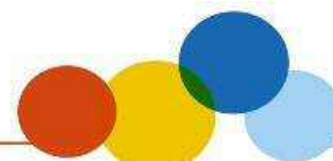
		(Rs. Cr.)
<b>Total Interest proposed for FY 2023-24</b>		<b>543.46</b>
Less disallowed:		
1	Interest on loan for the FY 2016-17	12.82
2	Interest on loan for the FY 2017-18	12.18
3	Interest on loan for the FY 2018-19	10.84
4	Interest on loan for the FY 2019-20	61.26
5	Interest on loan for the FY 2020-21	146.13
6	Interest on proposed loan for the FY 2021-22	69.71
7	Interest on proposed loan for the FY 2022-23	65.59
8	Interest on proposed loan for the FY 2023-24	64.00
9	Interest on OHPC loan	46.42
10	Financial charges and guarantee commission	38.78
Total Interest disallowed		527.73
<b>Total Interest allowed for FY 2023-24</b>		<b>15.73</b>

*The commission observed that GRIDCO instead of collecting its dues from the erstwhile DISCOMs availed loan from the commercial institutions and the commission had taken a view not to allow interest on loan availed by GRIDCO after FY 2015-16. The commission in the current ARR is also continuing with the same approach of not allowing any interest on the loans availed by GRIDCO after FY 2015-16, for arriving at the interest cost to be passed on the in the ARR. The details of the interest on loan approved for FY 2023-24 is given in the following table:*

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**Hence we have considered the same quantum of loan interest for Gridco in FY 2024-25**

## Overall Impact on ARR of Gridco for FY 2024-25



Sr No	Particulars	Units	As per Petition	As per TPCODL computations	Difference
1	Energy for computation	Mus	37456	40215	2759
2	Total Power Purchase Cost	Rs Cr	12639.14	13415.3	776.16
3	Less Trading Revenue	Rs Cr	0	-1380	-1380
4	Transmission Charges	Rs Cr	1018	840	-178
5	Interest Costs	Rs Cr	521.55	15.73	-506
6	<b>Total Impact on ARR</b>	Rs Cr			<b>-1287.16</b>
<b>Impact on BSP</b>					
7	ARR to be recovered in BSP as per petition	Rs Cr			13912
8=7-6	Revised ARR on the basis of above computations	Rs Cr			12624.84
9	Sales to Discoms as given in ARR	Mus			36263
10	Revised BSP based on above	Rs/Kwh			3.48
11	BSP as proposed by Gridco	Rs/KWh			3.83
12	Difference	Rs/Kwh			-0.35

### Conclusion

- The BSP has been worked out on the basis of the assumptions considered in the ARR and the same can be reduced to Rs 3.48 per Kwh
- The Present BSP of Gridco is about Rs 3.29 per Kwh and the same can be retained
- We can wait for the actual performance and the difference can be allowed in FPPA under the Tariff Regulations 2022



# Thank You!

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