TPWØDL

TP WESTERN ODISHA DISTRIBUTION LIMITED

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

Lighting up Lives!

ARR, OPEN ACCESS FY 24-25

ALONGWITH TRUING UP APPLICATION FY 20-21 & FY 21-22 (revised) & FY 22-23 BEFORE HON'BLE COMMISSION

DT.05.02.2024

TPWODL at a glance

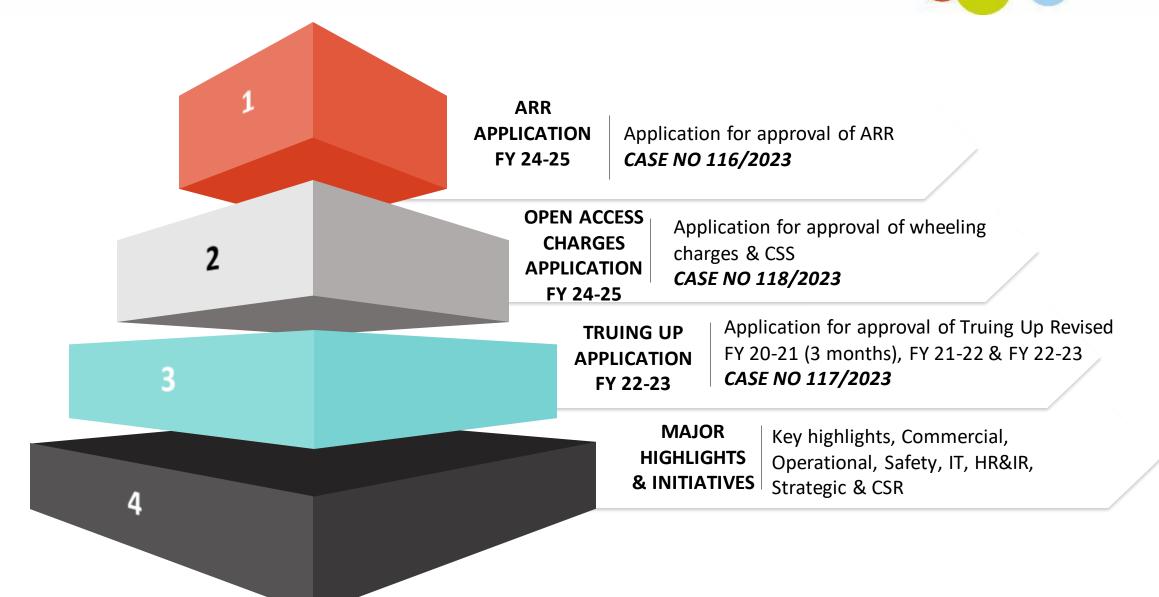
TPWØDL

| **** | i | | | | TPW |
|---|---|-------------------------------------|--------------------------------|------------------------------------|-------------------------------|
| | 88 Lakhs Population Served | | 18 Lakhs Insumer Base | 48,373 sq. Kms Distribution Are | |
| Sundargam | | | 9 revenue districts of Odisha. | Sundarga | rh |
| TPWODL Mars.guta | return | | | Jharsugud | Ja |
| Deogan Keoninar | Balache | | 5 distribution Circles : | Deogarh | 1 |
| Subarrative Angul | Brazzak | | Rourkela Sambalpur | | ur |
| Roand Bound Cutace Centifiera Agagan Crordia ajatshighty P.n TPWGDL | | Bargarh Bolangir | Bargarh | | |
| | | | Bolangir | - | |
| Lington and Carlan | | | Kalahandi | Sonepui | r |
| Rayagata | | | 17 Division & 57 Sub - | Kalahand | i |
| formout Gelatest | | ннн | divisions | Nuapada | Э |
| Hakangit | | | 201 sections | | |
| 33/11 kV PSS 313 Nos. 4% | No. of Power Transformers: 689 5% | No. of Distribu Transformers: 5% | | 11KV Line: 50,614 KM 2% | LT Line: 65,714 KM 3% 1 |

AGENDA

TPWØDL





ARR SYNOPSIS FY 24-25 _._...



| | | | | | | р тр | WØDL |
|---|-----------------|---|------------|--|---------------------|-------------------------------------|-----------------------------|
| | | ENERGY | | Parameters | FY-23 (Actual) | FY-24 (Rev. Est ARR) With TPA | FY-25 W/o TPA (Prop.) |
| | | ENERGI | | Energy Input (MUs) | 13002 | 13080 | 11524 |
| Cumulative Revenue GAP - | | INPUT | | Actual Energy Input ill Dec-23 (MU) | | 9508 * | |
| Rs. 1.26 Cr | REVENUE GAP/ | | SALES | | FY-23 Actual) | FY-24 (Revised Estimated) | Y-25 W/O TPA (Proposed) |
| | (SURPLUS) | TPWODL | | LT | 2582 | 3341 | 3544 |
| | | IPVVUUL | | HT | 2165 | 2444 | 2590 |
| | | | | EHT | 5863 | 4930 | 3480 |
| | | PROPOSED | | Total | 0610 | 10714 | 9614 |
| Revenue Requirement for | | ARR | | (in Mus) | | | |
| FY 24-25 - Rs 5752 Cr. | REVENUE | | LOSS | Loss Parameters | 2022-23 (Actual) | | 2024-25) (Proposed) |
| | REQUIREMEN | | PROJECTION | Overall Distribution Loss(%) | 18.40 |) 18.08 | 16.57 |
| | | | | Collection Efficiency(%) | 100.1 | 4 99 | 99 |
| Parameters LT HT EH | IT Total | | | AT& C Loss (%) | 18.28 | 3 18.90 | 17.40 |
| Proposed Image: Proposed </th <th>45 5751</th> <th></th> <th></th> <th>OERC Norms (AT&C)(%)</th> <th>20.40</th> <th>18.90</th> <th>17.40</th> | 45 5751 | | | OERC Norms (AT&C)(%) | 20.40 | 18.90 | 17.40 |
| 24-25 in Rs. Cr. | | * Achievement of approve be possible with cu | | Actual AT&C(%) till Dec-23 (Prov | | 18.47 | |







AGGREGATE REVENUE REQUIREMENT FY 24-25







| Revenue Gap with AT&C (18.90%)-Current Year FY 23-24 | | | | |
|--|-----------------------|------------------------|--|--|
| Parameters | Approved (Rs. Cr.) | Estimated (Rs. Cr.) | | |
| Power Purchase Cost excl. BSP surcharge | 5528.46 | 5508.70 | | |
| BSP surcharge | Not given | 351.94 | | |
| Total Power Purchase Cost | 5528.46 | 5860.64 | | |
| Distribution Cost incl. tax on ROE | 1284.38 | 1381.61 | | |
| Reasonable return on ROE after tax | 57.59 | 107.41 | | |
| Surplus carried over from past True ups | (-) 277.38 | (-) 600 | | |
| Sub Total | 6593.05 | 6749.66 | | |
| Revenue from sale of power at existing tariffs | 6251.99 | 6282.69 | | |
| Non-Tariff Income | 400.33 | 460.21 | | |
| Revenue GAP(+)/Surplus(-) | (-) 59.27 | 6.76 | | |

Surplus of past years shall be used to the extent of Rs. 600 Cr.

Revenue Gap with AT&C (17.41%)- Ensuing Year FY 24-25

| Parameters | Proposed (Rs Cr) |
|--|---------------------|
| Power Purchase Cost (without BSP Surcharge) (BSP @ Rs. 3.90/ u) | 4770.69 |
| Distribution Cost incl. tax on ROE | 1603.44 |
| Reasonable return on ROE after tax | 135.43 |
| Surplus carried over from past True ups | (-) 371.12 |
| Sub Total | 6138.45 |
| Revenue from sale of power at existing tariffs | 5751.16 |
| Non-Tariff Income | 386.01 |
| Revenue GAP(+)/Surplus(-) | 1.26 |

Surplus of past years shall be used to the extent of Rs. 371 Cr.

HT CATEGORY

LT CATEGORY

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| Category of Consumers | No of Consumers | Contract Demand | Sales | Net Revenue after incentive /surcharge & penalty |
|--|--------------------|--------------------|-------|---|
| Units | Nos. | MVA | MU | Rs. Crores |
| Kutirjyoti (<=30KWH) | 56309 | 20.742 | 20 | 5.41 |
| DOMESTIC | 1774138 | 1989.317 | 2340 | 1124.30 |
| Total Domestic | 1830447 | 2010.059 | 2360 | 1129.71 |
| Total General Purpose (<100 KW) | 104159 | 356.180 | 550 | 415.86 |
| Irrigation Pumpingand Agriculture | 87615 | 277.843 | 360 | 58.11 |
| Allied Agricultural Activities | 852 | 6.883 | 11 | 1.85 |
| Allied Agro- Industrial Activities | 118 | 2.161 | 3 | 1.03 |
| Public Lighting | 4526 | 14.534 | 52 | 32.53 |
| LT Industrial (S) Supply | 3713 | 37.092 | 21 | 14.69 |
| LT Industrial (M) Supply | 1444 | 67.991 | 63 | 45.17 |
| Specified Public Purpose | 19590 | 45.781 | 64 | 42.00 |
| Public Water Works<100KW | 5022 | 37.064 | 60 | 39.38 |
| Public Water Works >=100KW | 19 | 1.938 | 0.1 | 0.40 |
| General Purpose (>= 110 Kva) | 2 | 0.32 | 0 | 0.06 |
| LT TOTAL | 2057507 | 2857.85 | 3544 | 1780.77 |

Net Revenue after **Category** of No of Contract Sales incentive Consumers Consumers Demand /surcharge & penalty Units Nos. MVA MU **Rs. Crores** Bulk Supply-Domestic 31 9.99 23 11.35 Irrigation Pumping 45 139.523 85 37.46 and Agriculture Allied Agricultural 1.779 0.87 8 6 Activities Allied Agro-Industrial 15 3.287 2.61 8 Activities Specified Public 80 32.558 47 35.16 Purpose General Purpose (>70 0 0.00 0 0.00 KVA <=110 KVA) General Purpose 266 79.658 195 129.98 (>=110 KVA) Public Water Works & 68 19.558 52 35.26 Sewage Pumping 813 330.523 1297 856.06 LargeIndustry Power Intensive 13 95.550 690 376.19 Industry 5 37.350 230 Mini Steel Plant 136.43 0 0 7 3.49 **Colony** Consumption 1344 749.777 2590 1624.85 **HT TOTAL**

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EHT CATEGORY

| Category of Consumers | No of Consumers | Contract Demand | Sales | Net Revenue after incentive /surcharge & penalty |
|----------------------------------|--------------------|--------------------|-------|--|
| Units | Nos. | MVA | MU | Rs. Crores |
| General Purpose | 2 | 0.221 | 0.46 | 0 |
| Large Industry | 12 | 145.000 | 645 | 395.43 |
| Railway Traction | 20 | 303.000 | 945 | 636.06 |
| Heavy Industry | 3 | 248.556 | 262 | 219.23 |
| Power Intensive Industry * | 7 | 526.667 | 1584 | 1071.65 |
| Mini Steel Plant | 1 | 5.00 | 8 | 5.56 |
| Emergency Supply to CPP | 1 | 5.00 | 1 | 0.80 |
| Colony Consumption | 0 | 0.00 | 35 | 16.81 |
| Sale under TPA | 0 | 200 | 0 | 0.00 |
| EHT TOTAL | 46 | 1433.44 | 3480 | 2345.54 |

Proposed SMD for FY 24-25 – 1850 MVA

Revenue GAP Analysis FY 24-25

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| Parameters | UoM | Approved FY 23-24 | Estimated as per ARR FY 23-24 | Projection Ensuing Year FY 24-25 |
|--|---------|----------------------|----------------------------------|-------------------------------------|
| Power Purchase Cost | MU | 13286 | 13080 | 11524 |
| Total power purchase cost (A) | Rs. Cr. | 5528.46 | 5860.64* | 4770.69 |
| (*) Including BSP Surcharge | | - | | |
| Distribution Costs (B) | | | | |
| a) <u>Employees cost</u> | Rs. Cr. | 580.57 | 582.71 | 626.59 |
| b) <u>Repair and Maintenance cost</u> | Rs. Cr. | 281.99 | 281.99 | 336.86 |
| c) <u>Admin. & General Expenses</u> | Rs. Cr. | 158.12 | 191.09 | 245.87 |
| d) Provision for bad and doubtful debts | Rs. Cr. | 62.52 | 62.83 | 57.51 |
| e) <u>Depreciation</u> | Rs. Cr. | 72.93 | 91.58 | 125.98 |
| f) Interest on loans and Working capital | Rs. Cr. | 99.44 | 83.99 | 112.22 |
| g) Interest on Security Deposits | Rs. Cr. | 72.06 | 78.18 | 85.89 |
| h) Return on equity Net of Tax | Rs. Cr. | 57.59 | 107.41 | 135.43 |
| i) Tax on ROE | Rs. Cr. | | 36.13 | 45.55 |
| j) Carrying Cost on Reg. assets/liabilities | Rs. Cr. | | -1.78 | -0.59 |
| k) Less expenses capitalized (Emp Costs) | Rs. Cr. | 43.25 | 22.28 | 20.09 |
| l) Less interest capitalized | Rs. Cr. | 43.23 | 2.83 | 13.53 |
| Total Distribution cost (B) | Rs. Cr. | 1341.97 | 1489.02 | 1738.87 |
| Regulatory Surplus (FY 21, 22 & 23)/Special appropriation (C) | Rs. Cr. | (-) 277.38 | (-) 600 | (-) 371.12 |
| TOTAL COST (A +B + C) | Rs. Cr. | 6593.05 | 6749.66 | 6138.45 |
| Less Miscellaneous receipts | Rs. Cr. | 400.33 | 460.21 | 386.02 |
| Total Revenue Requirement | Rs. Cr. | 6192.72 | 6289.45 | 5752.42 |
| Revenue from tariffs (full year) | Rs. Cr. | 6251.99 | 6282.69 | 5751.16 |
| Revenue GAP(+)/ SURPLUS(-) | Rs. Cr. | (-) 59.27 | 6.76 | 1.26 |





Application for approval of ARR & RST for FY 24-25 CASE NO. 116 OF 2023 Tariff Rationalization Proposals FY 2024-25

TPW@DL



Tariff Proposals – Continuation (1/2)



| No | Proposal Current | | Proposed in ARR |
|----|--|---|--|
| 1 | Continuity of digital rebate of 4% for LT Domestic, LT GP single phase & Single- phase irrigation consumers | Presently Commission has approved 4% Digital rebate on payment by LT 1-ph Domestic & GP category w.e.f Apr'23. | Present market position is very dynamic and prone to digitalization. Door-to-door collection is becoming more costly and electrical customers require behavioral changes towards digital mode by provision of digital rebate. TPWODL proposes to continuity of digital rebate of 4%. |
| 2 | Discount to Domestic Rural Consumers | Presently there is 10 paise/ unit rebate on prompt payment to Domestic Rural consumers | TPWODL is proposing to continue the same 10 paise/ unit rebate in the ensuing year also. |
| 3 | Levy of CSS on RE power | Presently, Commission has introduced levy of CSS & wheeling charges on RE power if purchased from outside the state. | Proposal to continue the same practice for FY 2024-25, to promote more RE generation in the state of Odisha. |
| 4 | Special tariff to steel industry | Presently, Commission in the RST order dt. 23.03.2023 has extended continuation of special discount to steel industries connected in 33 kV level having load of 1MW and above. | • |

Tariff Proposals – Continuation (2/2)

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| No | Proposal | Current | Proposed in ARR |
|----|--|---|--|
| 5 | having CGP if assured 80% | Presently, as per RST Order dt. 23.03.2023 OERC has made certain departure and directed for prior permission from GRIDCO. | During the current year prior approval of GRIDCO on monthly basis is a hurdle & not gaining acceptability to the consumers. Hence, while approving the continuity of the scheme for FY 24-25, prior approval of GRIDCO may not be required till DISCOM are operating within their approved SMD. |
| 6 | Continuity of Special tariff for Existing industries having CGP with CD >20 MW with minimum offtake 80% of existing CD <u>– Tri-</u> <u>Partite (TPA)</u> | Presently, as per RST Order dt. 23.03.2023, industries having CGP with CD are allowed to avail intermittent surplus power from DISCOMs beyond 80% of load factor at a tariff of Rs. 5.00/ kVAh, by entering into a special tripartite agreement with GRIDCO (Bulk Supplier), DISCOMs. | Proposal to continue the scheme in the ensuing year also with bucket filling method . In addition, an industry availing this benefit shall not be permitted to avail benefit of another scheme. |
| 7 | Continuation of Green Tariff Premium (GTP) mechanism with reduced rate of 25 p/u. | Presently, Commission has launched premium rate for RE power. Consumer has to pay additional 25 paise per unit as premium over and above the normal rate of energy charges. | With reduction in price of RE power in the market RE certification charges also reduced. Proposal to continue GTP @ 25 paise/ unit for the ensuing year, which will be win-win for all the stake holders. Some of the objectors requested for reduction, Hon'ble Commission may take a suitable decision in this regard. |



Tariff Proposals – New (1/3)



| No | Proposal | Current | Proposed in ARR |
|----|---|--|---|
| 1 | Additional. Rebate of Rs. 10/ month if opting for E-Bill | Presently, there is no such rebate to consumers. | At present substantial amount is spent on MBC activities. Demand for Smart meters has been increased and consumers with smart meters can be served with E-bill without any additional cost. Proposal of Rs.10/ p.m. additional rebate over and above all other rebates where a consumer desires/opt for E-bill instead of physical bill. If provision of E-mail ID will be mandated the consumer can also get many information/communication from the licensee. |
| 2 | Processing fee for each services as per Regulation | Presently, the Licensees are directed to serve the consumer for their different requirement apart from Billing and collection activities. As per existing Regulation, for new connection the processing fee has been defined as Rs.50/-per application. | Licensee is spending considerable amount for services such as Change of name, Category Change, name correction, address correction /Change etc. DISCOM proposes charges for each services extended: a) Change of Category – Rs. 100/- b) New Connection / Load Change – Rs. 100/- c) Change/correction of Name or address, Ownership change/modification – Rs. 100/ |
| 3 | category of Consumer as per | Presently few consumers are covered under LT & HT for Tariff purposes considering their Voltage of Supply, which creates many confusions and disparity. | To avoid confusion the DISCOM proposes that basis upon the consumers contract demand/connected load and metering type (LT or HT) tariff may be fixed. <u>Benefits:</u> •Consumers with load>70 kVA with metering at HT shall be billed under HT Tariff and transformer loss shall be added while billing when metering is at LT side. •LT consumers (Load <70 KVA) to be billed as per slab rate and transformer Loss will not be levied. •Uniformity in tariff category and Metering side. |



Tariff Proposals – New (2/3)



| No | Proposal | Current | Proposed in ARR |
|----|---|--|---|
| 4 | Charges for Temporary Supply | Currently allowed with payment of 10% higher on energy charges. | DISCOM proposes for construction purposes, GP tariff may be made applicable for all types of construction irrespective of future tariff category upon completion of construction activity. (Upon completion they may be covered on appropriate category) |
| 5 | Creation of Category for Mega lift points under EHT and applicability of Demand Charges | Presently, there is no such tariff category under EHT for Mega lift category, TPWODL is billing them with HT irrigation category where demand charges & energy charges are very nominal. | TPWODL proposes for creation of separate category under EHT with demand charges of Rs.250 per kVA and energy charges under graded slab method. |
| 6 | Special tariff for industries those who have closed their units if reopen/starts | Presently there is no special tariff who have closed their industry. | TPWODL is proposing special tariff for closed industries who want to reopen again. Incentive may be given @ 20% on entire units consumed if achieves 60% L.F. in a month. Closed Industry may be permitted at 11kV or 33kV level with minimum CD of 500 kW. Industries opting this benefit shall not be eligible for open access. The scheme will be for FY 2024-25 only. |
| 7 | Special tariff for existing industries who have no CGP for drawl of additional power beyond CD of 10 MVA | Presently there is no special tariff. | TPWODL is proposing special rate if consumer ensuring 85% LF . Load reduction shall not be allowed during the financial year. Industry availing this benefit shall not be permitted to avail benefit of another scheme and open access shall not be permitted. |



Tariff Proposals – New (3/3)



| No | Proposal | Current | Proposed in ARR | | | | |
|----|--|---|---|--|--|--|--|
| 8 | Special tariff for Industries for temporary business requirement | As per existing regulation temporary supply is permitted to meet temporary needs i.e. fairs, festivals, religious functions or seasonal business or for temp. construction. Energy Charges shall be 10% higher as compared to the regular connection. However, no such provision is there for Industries. | Under TPWODL area there are around 24 industries having their own CGP. They may require power during annual maintenance of their units from DISCOM. TPWODL proposes to approve/permit such temporary additional load beyond CD for short period of maximum 3 months. Industry has to bear 10% higher charges on both normal Demand and energy component. Such additional consumption will contribute towards revenue enhancement and will help to protect risk of tariff enhancement. | | | | |
| 9 | Minimum offtake for the industries having CGP | Presently the BST of all the DISCOMs is with composite of Energy and Demand charges. Considering the approved SMD composite BST is determined by OERC. Major impact is due to the CGP industries who are keeping their CD, but not using the DISCOM energy. GRIDCO facing difficulty in arranging power as they are drawing without prior intimation or scheduling. | Proposal of minimum off take (25%) of the requirement commensurate with their CD or Demand charges has to be on installed capacity instead of CD. | | | | |
| 10 | Revision of Reconnection Charges with penalty clause | Presently, reconnection charges w.e.f. 01.04.2023 is continuing since last 11 years even though BST and RST of DISCOMs have increased no. of times. <u>Continuing Reconnection charges</u> — LT single phase Domestic – Rs. 150/- LT single phase Others – Rs. 400/- LT 3 phase – Rs. 600/- All HT & EHT – Rs. 3000/- | TPWODL proposes in the event of consumer found reconnected without paying, formal reconnection charges shall be imposed with 10 times of the reconnection charges. <u>Proposed Reconnection charges</u> — LT single phase Domestic – Rs. 300/- LT single phase Others – Rs. 800/- LT 3 phase – Rs. 1200/- All HT & EHT – Rs. 6000/- | | | | |



Tariff Proposals – Other (1/3)



| No | Proposal | Current | Proposed in ARR |
|----|---|--|--|
| 1 | Billing with Defective Meter | Presently, provisional billing is allowed for a maximum period of three months in case of defective meter. In case of meter not accessible, two billing cycle is permitted for provisional billing. | |
| 2 | Combined Application form replacing Form-I & Form-II | Presently, a Domestic & GP consumer is opting Form- I for New Service Connection / Load enhancement/ Load reduction/ Reconnection /Change of Name/ Shifting/ Temporary Supply/ Conversion of Service/ Change of consumer category and Form-II is applicable to other category of consumers for New Connection/Load Reduction/Load Enhancement/ Change of Name. | Consumers are confused about the application form which one they must choose (Form-I or Form-II) due to which the Licensee is unable to capture the detailed information about the consumer. Proposal to introduce a single application form which is beneficial for both consumers and Licensee. Hon'ble OERC may direct/allow through practice direction to adopt a common Application Form till Regulation is amended. |
| 3 | Creation of Energy Police station | Before take over, there were 10 no of EPS across 9 revenue districts of TPWODL. | TPWODL proposes to accord approval of necessary additional A&G cost and may direct Govt of Odisha for creation of EPS across all the divisions of TPWODL. TPWODL has plans for setting up of at least 2 EPS, in two circles (Bargarh & Bolangir). It is a belief of TPWODL that establishment of EPS will contribute towards 5T vision of the State. |

Tariff Proposals – Other (2/3)



| · 3 | | Tunjj Troposuls | TPWØDL |
|-----|--|---|--|
| No | Proposal | Current | Proposed in ARR |
| 4 | Consideration of Load Factor in case of Theft of energy | As per present regulation, separate assessment method is available for unauthorized use. Considering field condition, assessment for unauthorized use is not possible adhering extant regulation. | Proposal that if a consumer found using electricity unauthorizedly, in such case the assessment must be made with LF basis. In case of Domestic - 30% LF, GP - 60% LF & in case of continuous process industries, assessment may be done with 100% LF. |
| 5 | Meter Cost to be included in CAPEX instead of Meter Rent | Presently, not included in CAPEX. | Consumers are reluctant to allow meter replacement. Recovery of meter rent through installation of smart meters is becoming more challenging now-a-days. Hence, the entire new connection as well as replacement of defective meter may be permitted through Smart meter only. Further, replacement of old meter with smart meters as per Reg. 113(v) of Supply Code, 2019 with adjustment of balance cost of old meters irrespective of ageing. Therefore, the DISCOM is of the opinion in case of replacement of old meters with smart meters there shall not be any adjustment if the meter cost of old meter if fully recovered. |
| 6 | Levy of DPS on electricity bills | Presently, OERC had discontinued the practice of levy of DPS on the Electricity Bills in the RST Order for FY 2023-24 | |



Tariff Proposals – Other (3/3)



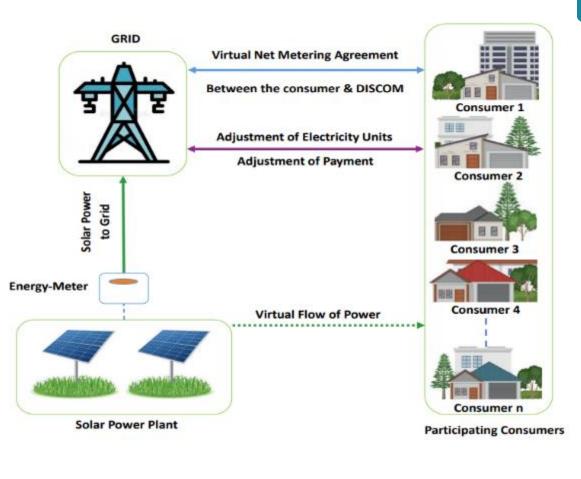
| No | Proposal | Current | Proposed in ARR |
|----|------------------|---|---|
| 7 | Pro rata billing | Presently, OERC vide letter dated 06.06.2022 denied pro-rata billing in all cases other than in cases of commencement or termination of supply. DISCOMS are directed to follow Regulation 109 (on billing cycle period) with provision of +/- 3 days. | Proposal to permit pro-rata adjustment of Slabs limits based on actual days of billing vis-à-vis the standard norm of 30 days (365 |

Other Submissions before OERC

| No | lssues | TPWODL Submission |
|----|--|---|
| 1 | Issue regarding CD enhancement of Vedanta Limited & Non-Drawal of RSP affecting EHT Sales | Due to non-approval of additional load, TPWODL lost Rs. 30 Cr. till now as assured fixed cost from the high value consumers even though we are operating well within the approved SMD. Further, there is uncertainty of RSP drawal due to increased self-generation. The load of RSP around 170 MVA is almost idle. |
| 2 | Sharing of Green Tariff Premium with GRIDCO in the ratio of 80:20 | Tariff Order for FY 23-24 mandates an addnl. 25 p/kWh for consumers opting for 100% green energy and seeking a green consumer certificate. TPWODL is actively encouraging industries to utilize DISCOM power. GRIDCO purchases power, including RE power, to meet the state's needs. Any surplus RE Power can be sold via open access. If GRIDCO can't procure power for DISCOMs, DISCOMs can source it independently as per the vesting order. The suggestion of GRIDCO for sharing of GTP in ratio of 80:20 is not a fair proposal. |



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



Financial Outlay

- 1. MNRE Sanction: CFA for 20 MW at Rs. 18,000 per kWp, totaling around Rs. 30 Cr.
- 2. Proposed Funding Components for rural households:
 - A. State Funding: For 20 MW at Rs. 20,000 per kWp totaling around Rs.40 Cr.
 - **B.** By DISCOMs: For 20 MW at Rs. 17,000 per kWp totaling around Rs. 34 Cr.

Proposed Budgetary Provision DISCOM wise

| | Proposed Capacity | | | Total | |
|--------|----------------------|--------------------------------|-----------------------------|---------|--|
| DISCOM | FY- 24-25 | By State Govt (Rs.20000/kw) | By DISCOMs (Rs.17000/kw) | Total | |
| | MW | Rs. Cr. | Rs. Cr. | Rs. Cr. | |
| TPWODL | 5 | 10 | 8.5 | 18.50 | |
| TPCODL | 5 | 10 | 8.5 | 18.50 | |
| TPNODL | 5 | 10 | 8.5 | 18.50 | |
| TPSODL | 5 | 10 | 8.5 | 18.50 | |
| Total | 20 | 40 | 34 | 74 | |

- Hon'ble Commission is requested to allow Rs. 8.5 Cr. to the DISCOM under DSM for FY-25 to execute the program.
- State Govt. may kindly be directed for extending SFA Rs. 10 Cr. to TPWODL for FY-25.

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Model Scheme to Solarise Rural Households through Community Solarization mechanism under RTS-II

A Model Scheme Ensuring Reliable Power Supply without investment of Rural Residential Consumers

TPWØDL

Existing Scenario of Rooftop Solar & Challenges

- GOI, on 30th February 2019 approved Phase II of 'Grid Connected Rooftop and Small Power Plants Program.
- Distribution Companies of Odisha has received the allocation order of 20 MW (05 MW each) from Ministry of New and Renewable Energy (MNRE), Govt. of India vide No. 318/63/2019-GCRT dated 19.01.2022
- Subsidy: Recent Amendment in CFA Admissibility for Residential Rooftop Solar Projects

| CFA to Residential Individual House Holds | | | | | | | |
|--|----------------|--|--|--|--|--|--|
| Project Capacity | Applicable CFA | | | | | | |
| 1-3 kW | Rs. 18,000/kW | | | | | | |
| Above 3-10 kW | Rs. 9,000/kW | | | | | | |
| CFA to Resident Welfar Housing Society (RWA/GH | | | | | | | |
| Project Capacity | Applicable CFA | | | | | | |
| For Common facility up to 500kW @10kW per house | Rs. 9,000/kW | | | | | | |

✓ Existing scheme :

- A. Implementing Agency: Respective DISCOMs
- B. Domestic Electricity Consumer can avail Subsidy under RTS Phase II
- ✓ Challenges in the Existing scheme :
 - **A. Rural homes are less interested** in Rooftop Solar Financial constraints, **low & subsidized** electricity tariffs.
 - B. Awareness

| RTS Progress till date in Odisha under Subsidy Scheme | | | | | | | |
|---|--------|------------------------|------------------|--|--|--|--|
| Sr No | Discom | No of Installations | Capacity (MW) | | | | |
| 1 | TPCODL | 70 | 0.276 | | | | |
| 2 | TPNODL | 35 | 0.104 | | | | |
| 3 | TPSODL | 38 | 0.136 | | | | |
| 4 | TPWODL | 18 | 0.086 | | | | |
| 5 | Total | 161 | 0.602 | | | | |

TPWØDI

State's Regulations/ Guidelines:

- 1. OERC Net Metering Regulation Dated :19.08.2016
- 2. OERC Net Metering Regulation amended : 05.05.2022 (VNM & GNM).
- 3. OERC Order dated 23.02.2023 regarding SoP of Solar Net Metering, Gross Metering, VNM & GNM.
- 4. Odisha RE Policy- 2022

MNRE allowed Subsidy to Rural Households under VNM mechanism as per RTS scheme

DISCOM's Difficulties & Scope in Rural Segment



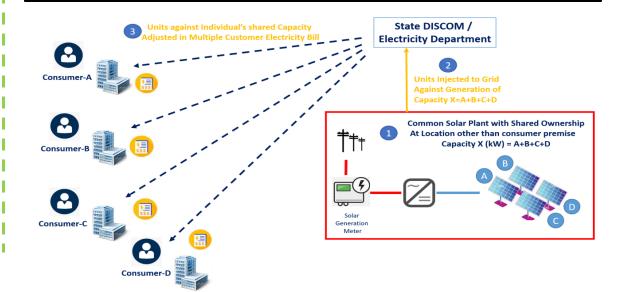
Present Position of the DISCOMs in Rural Segment:

- ✓ High Distribution Loss
- ✓ Difficulties in MBC activity
- ✓ Effective Power Purchase cost is higher due to T&D Loss.
- ✓ Lower collection efficiency in Rural Area
- ✓ Loss of margin due to **gap between Power Purchase and Realization**

| DISCOM Loss in Rural LT Segment | | | | | | | | | |
|--|--------|--------|--------|--------|--|--|--|--|--|
| Particulars | TPWODL | TPCODL | TPNODL | TPSODL | | | | | |
| Each 100 unit of Sale in Rural Segment | 100 | 100 | 100 | 100 | | | | | |
| Distribution Loss (approved as per ARR FY-23-24)* | 35% | 24% | 24% | 26% | | | | | |
| For each 100 unit of Sale requirement of Power | 135 | 124 | 124 | 126 | | | | | |
| Power Purchase Cost per unit (Rs./kWh) | 4.14 | 3.29 | 3.59 | 2.34 | | | | | |
| Ultimate Power Purchase Cost (Rs.) to serve | 558 | 410 | 447 | 295 | | | | | |
| Avg. billing in Rs. with existing tariff | 390 | 390 | 390 | 390 | | | | | |
| Loss due to gap between Power Purchase and Billing (A) | 168 | 20 | 57 | -95 | | | | | |
| Collection Efficiency of Rural Area (Assumed) | 70% | 75% | 75% | 80% | | | | | |
| Annual Loss in Rs. due to CE (B) | 117.00 | 97.50 | 97.50 | 78.00 | | | | | |
| Total loss (A+B) | 284.69 | 117.02 | 154.34 | -17.17 | | | | | |
| Loss percentage upon ultimate Power Purchase Cost | 51.05% | 28.58% | 34.54% | -5.82% | | | | | |
| *Actual loss is higher | | | | | | | | | |

*Actual loss is higher

| R | Sadoption in Rural Segment is a Challenge: |
|--------------|---|
| * | Financial constraints |
| * | Low & subsidized electricity tariffs |
| * | Installation & O&M Support thereof in Rural area |
| * | Awareness |
| W | hy a Scheme is required for <u>Rural Electricity Consumer</u> : |
| \checkmark | Extending the Benefit of RTS in the Rural Area |
| \checkmark | Reliable Power Supply to RHH |
| Er | <u>nbedded features in the proposed scheme:</u> |
| \checkmark | No investment required by Rural HH |
| \checkmark | Free electricity up to the share of Subsidy |
| \checkmark | DISCOM responsible for Installation & O&M thereof |
| \checkmark | Saving in Power Purchase by DISCOM |
| \checkmark | No Loss/Minimum Loss due to Generation at Consumer End. |



Proposed Model Project & Energy Accounting Mechanism

Annual Unit Required Participating Rural HH Agreement between consumer and DISCOM **100Nos** 1200 KWH Avg. Load per HH 1.5 KW **Proposed Plant Capacity** 150 KW Virtual power Flows 1200 KWH Cost per kWp Rs. 55,000 Annual Generation: 180000 kWh Rs. 18,000 CFA per year 1200 KWH SFA (Proposed) Rs. 20,000 Consumer **Generation Meter DISCOM** towards PC Rs. 17,000 1200 KWH Addl. Cost for OPEX (Lum sum) * Consumer **Annual Requirement: Participating Consumers** 100X1200 = 120000 kWh150 kWp Plant @1.5 kW avg. each 100 beneficiary **Opex Consist of: Project Capacity** kW 150 1. Interest on W.C. **Total Annual Generation** Unit 180000 2. Lease Rent **Estimated Project Cost** Rs. Lakh 82.50 3. Watch & Ward (till 5th Year) **MNRE Subsidy** Rs. Lakh 27.00 4. AMC 6th Year onwards incl. W&W **Proposed State Subsidy** Rs. Lakh 30.00 Proposed DISCOM Share: 1- towards Project Cost Rs. Lakh 25.50 Rs. 11.38 Lakh **TPWODL** * DISCOM Share: 2 - towards OPEX (AMC, RENT, W&W & Rs. 12.65 Lakh **TPCODL** interest) Rs. 12.65 Lakh **TPNODL** Rs. 16.48 Lakh **TPSODL**

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Allocation of Generated Energy

| × | DISCOM addl. Invesment towards OPEX Consumer Energy Share | | | | | | | | | | | | | | |
|----------|---|--------------|-----------|-----------|-------------|--------------------|-----------------------|--------------------|--|-------------------------|--------------|------------|------------|------------|------------|
| | P | roject Cr | apacity | & Proje | ect Financi | /ing | | | | - | | | 1 | 1 0. | |
| | | | | | | / / | TPWODL | TPCODL | TPNODL | TPSODL | | TPWODL | TPCODL | TPNODL | TPSODL |
| | 1 | 4 V | 1 | () | Project | 1 / | DISCOM Share | DISCOM Share | DISCOM Share | DISCOM Share | Total | Individual | Individual | Individual | Individual |
| Consume | CDin | Proposed | MNRE | Total | Cost (Rs.) | DISCOM Share | towards OPEX | towards OPEX | towards OPEX | towards OPEX | Generation | Annual | Annual | Annual | Annual |
| Consume | | - | CFA | | | towards Project | | , (AMC, RENT, | (AMC, RENT, | (AMC, RENT, | (kWh) 4unit/ | | | | |
| r | kW | SFA (Rs.) | (Rs.) | Aid (Rs.) | @Rs. 55 | Cost in Rs. | (AMC, RENT, W&W | W&W & interest) | W&W & interest) | W&W & interest) | day/kWp for | Share | Share | Share | Share |
| | 1 7 | | | | per Wp | | & interest) (Rs.) | (Rs.) | (Rs.) | (Rs.) | 300 days | (kWh) | (kWh) | (kWh) | (kWh) |
| 1 | | 20000 | 18000 | 38000 | 55000 | 17000 | 1 | 1 | | | | 729 | 719 | 719 | 691 |
| 2 | 1.5 | 30000 | 27000 | 57000 | 82500 | 25500 | Interest Accrued | Interest Accrued | Interest Accrued | Interest Accrued | | 1093 | 1078 | 1078 | 1037 |
| 3 | 2 | 40000 | 36000 | 76000 | 110000 | 34000 |) up to repayment | up to repayment | up to repayment | up to repayment | | 1457 | 1438 | 1438 | 1382 |
| 4 | 1.5 | 30000 | 27000 | 57000 | 82500 | 25500 | @10% | @10% | @10% | @10% | | 1093 | 1078 | 1078 | 1037 |
| 5 | 3 | 60000 | 54000 | 114000 | 165000 | 51000 | _ | 1 | 1 | | | 2186 | 2157 | 2157 | 2073 |
| 6 | 2 | 40000 | 36000 | 76000 | 110000 | 34000 | Cost of Lease Rent | Cost of Lease Rent | Cost of Lease | Cost of Lease Rent | 180000 | 1457 | 1438 | 1438 | 1382 |
| 7 | 2.5 | 50000 | 45000 | 95000 | 137500 | 42500 |) & watch & ward | & watch & ward | Rent & watch & | & watch & ward | 100000 | 1822 | 1797 | 1797 | 1728 |
| 8 | 1.5 | 30000 | 27000 | 57000 | 82500 | 25500 |) @1Lakh/Year up to | @1Lakh/Year up | ward | @1Lakh/Year up | | 1093 | 1078 | 1078 | 1037 |
| 9 | <u> 1</u> ′ | 20000 | 18000 | 38000 | 55000 | 17000 |) 5Yr./ Loan | to 5Yr./ Loan | @1Lakh/Year up | to 5Yr./ Loan | | 729 | 719 | 719 | 691 |
| 10 | 3 | 60000 | 54000 | 114000 | 165000 | 51000 |) repayment period | repayment period | to 5Yr./ Loan | repayment period | | 2186 | 2157 | 2157 | 2073 |
| 11-100* | 131 | 2620000 | 2358000 | 4978000 | 7205000 | 2227000 | (6.38+5= 11.38 | (7.65+5= 12.65 | repayment | (11.48+5= 16.48 | | 95450 | 94171 | 94171 | 90532 |
| | | | | | | | Lakh) | Lakh) | period | <u>_</u> .a <u>kh</u>) | | | | | |
| | 150 | 3000000 | 2700000 | 5700000 | 8250000 | 2550000 | 1137500 | 1265000 | 1265000 | 1647500 | | 109294 | 107830 | 107830 | 103663 |
| *Assumed | I load o | of Balance 9 | JO Consur | mer | | Total Project Cost | 9387500 |) -···· 9515000 |) · - · - · - · -9515000 [.] | 9897500 | | | | | |

DISCOM Investment 1: towards Project Cost

DISCOM Investment 2: towards OPEX (AMC, RENT, W&W & interest)

| DISCOM | TPWODL | TPCODL | TPNODL | TPSODL |
|--------------------|--------|--------|--------|---------------------|
| Consumer Share (%) | 60.72% | 59.91% | 59.91% | 57.59% - |
| DISCOM Share (%) | 39.28% | 40.09% | 40.09% | 42.41% |
| DISCOM Share (kWh) | 70706 | 72170 | 72170 | 76337 |

DISCOMs saving in Power Purchase & Payback Calculation



| D | SCOM | | UoM | TPWODL | TPCODL | TPNODL | TPSODL | |
|----|---|-------------------------------------|-----------------|-----------------------|-------------|---------|---------|--|
| Тс | tal Annual Generation from Proposed SPV Plant 150 | kWP | unit | 180000 | 180000 | 180000 | 180000 | |
| A | nnual Energy Share of DISCOM (residual energy) | | unit | 70706 | 72170 | 72170 | 76337 | |
| Sa | ving in Power Purchase Cost from residual energy (| in Lakhs) (A) | Lakhs | 2.93 | 2.38 | 2.59 | 1.79 | |
| Sa | wing due to sale of DISCOM share of energy @ LT av | verage Rs.4.98/unit (in Lakhs) (B) | Lakhs | 3.52 | 3.59 | 3.59 | 3.80 | |
| A | voidable Energy Purchase (Present Power purchase) | (unit) | Unit | 147174 | 135980 | 135977 | 137614 | |
| С | ost of that Energy in Lakhs (C) | | Lakhs | 6.10 | 4.48 | 4.88 | 3.22 | |
| Тс | tal Annual Impact D=(A+B+C) | | Lakhs | 12.54 | 10.45 | 11.07 | 8.81 | |
| | ss:-Existing level of Billing & Collection which will b | e stopped to the extent of free | Lakhs | 2.98 | 3.15 | 3.15 | 3.23 | |
| | nergy to Consumers (E) | | | | | | | |
| | et Annual Savings F=D-E | | Lakhs | 9.56 | 7.29 | | | |
| _ | are of DISCOM's Investment | | Lakhs | ₹ 25.50 | ₹ 25.50 | ₹ 25.50 | ₹ 25.50 | |
| - | pex Cost to be considered in Payback Ccalculation | | 1 | | | | | |
| | terest Accrued up to repayment @10% on reducing l | | Lakhs | ₹ 6.38 | ₹ 7.65 | ₹ 7.65 | ₹ 11.48 | |
| | ost of Lease Rent & watch & ward up to 5th Year @11 overed through AMC | .akh/Year after 5th year will be | Lakhs | ₹ 5.00 | ₹ 5.00 | ₹ 5.00 | ₹ 5.00 | |
| Тс | tal cost G | | Lakhs | ₹ 36.88 | ₹ 38.15 | ₹ 38.15 | ₹ 41.98 | |
| Pa | yback period | | Years | 3.86 | 5.23 | 4.82 | 7.53 | |
| A | ter repayment of Principal Watch & Ward, Lease re | nt & AMC shall be taken care out of | f Annual Saving | g as indicated as Anr | nual impact | | | |
| | <u>Challenges</u> | Mitigation plan | | | | | | |
| | a) Availability of Land/roof top b) Selection of beneficiary b) Selection of beneficiary c) Cost of R&M including watch & ward to be met by reducing beneficiary share of power. | | | | | | | |

c) Protection of solar plant d) Night Surveillance with CCTV integration with DISCOM Call Center

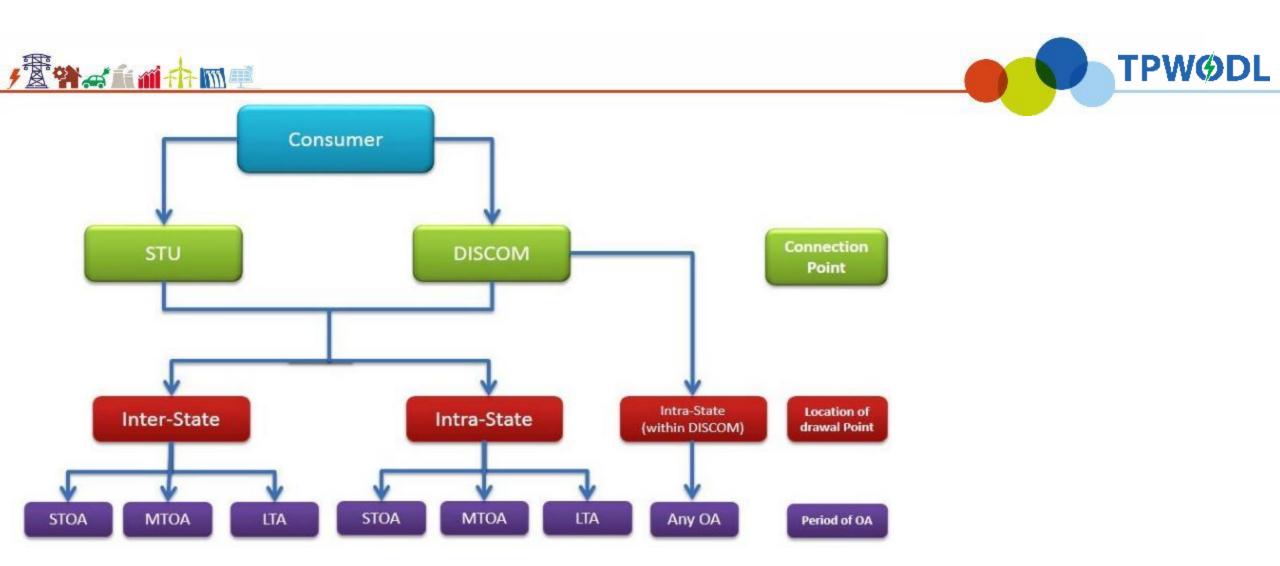


| Reason for DISCOM investment | DISCOM investment will help in reducing in T&D Loss at LT Level. Share of Generation to the extent of investment will be allotted to DISCOM. Hence saving in Power Purchase | | | |
|---|---|--|--|--|
| Proposal for SFA @ 20000/- per kW per Households | Recently GoO on 4 th Jan 2024 allowed Rs. 20,000/- per kW to residential H/H in Bhubaneswar only. Request to extend the same for Rural segment for providing free Electricity to the Rural Households. | | | |
| Proposal to Regulator for Approval | Repayment of Loan, interest amount, Cost of Watch & Ward, AMC after 6 th Year will be paid out of avoidable power purchase cost & Share/ Adjustment of Generated Energy as per Investment. | | | |
| Proposed Land | Govt. / Private land may be used for the purpose of setting up SPV Plant. However, Lease Agreement for a period of 25 years to be made between DISCOM Land-owner, the Lease Rent Amount will be paid as per the terms. | | | |

Scheme Benefits



| Benefits to Rural Consumer:- | Other High end Consumer:- |
|---|---|
| a) No need to invest a single rupee b) Free electricity almost more than 100 units per month (Subject to Solar plant size and no of beneficiary) c) Benefit to Landowner/owners out of lease rent d) Reliable power supply | Cross Subsidy quantum will be reduced & hence cost reflective tariff |
| Benefit to Govt: | Benefit to other |
| a) No direct subsidy is required b) Beneficiaries will get free electricity up to 100 units if Govt desires to extend SFA in line with CFA (MNRE) c) Contribution towards carbon neutrality | GRIDCO :a) Burden on power sourcing will be reduced.b) Contribute towards RPO |



Application for approval of Open Access Charges FY 24-25 CASE NO. 118 OF 2023

Determination of Wheeling Charges

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|--------|
| |

| SI No. | Cost/Income Component | ARR for FY 24-25 (Cr) | Assumption Ratio for consideration in Wheeling Business | Assumption Ratio for consideration in Retail Supply Business | Wheeling Cost for FY 24-25 (Cr) | Retail Supply Cost for FY 24-25 (Cr) |
|--------|---|--------------------------|--|---|------------------------------------|---|
| 1 | Cost of Power | 4492.23 | 0% | 100% | 231.67 | 4260.56 |
| 2 | Transmission Charges | 276.41 | 0% | 100% | 18.02 | 258.39 |
| 3 | SLDC Charges | 2.06 | 0% | 100% | 2.06 | 0.00 |
| | Total power purchase cost * | 4770.69 | | | 251.74 | 4518.95 |
| | 0&M | | | | | |
| 4 | Employee Cost | 606.50 | 60% | 40% | 363.90 | 242.60 |
| 5 | Repair & Maintenance Cost | 336.86 | 90% | 10% | 303.18 | 33.69 |
| 6 | Administrative & General Expenses | 245.87 | 50% | 50% | 122.93 | 122.93 |
| 7 | Bad & Doubtful Debt including Rebate | 57.51 | 0% | 100% | 0.00 | 57.51 |
| 8 | Depreciation | 125.98 | 90% | 10% | 113.39 | 12.60 |
| | Interest on Loans | | | | | |
| 9 | for Capital loan | 31.56 | 90% | 10% | 28.41 | 3.16 |
| 10 | for Working capital | 67.12 | 10% | 90% | 6.71 | 60.41 |
| 11 | Interest on Security Deposits | 85.89 | 0% | 100% | 0.00 | 85.89 |
| 12 | Return on Equity | 135.43 | 90% | 10% | 121.89 | 13.54 |
| 13 | Tax on ROE | 45.55 | 90% | 10% | 41.00 | 4.56 |
| 14 | Carrying cost on Regulatory Assets/Liabilities | 0.59 | 10% | 90% | 0.06 | 0.53 |
| | Special Appropriation | | | | | |
| 15 | Amortization of Regulatory Assets | 0.00 | 25% | 75% | 0.00 | 0.00 |
| 16 | True Up of Current year | -371.12 | 25% | 75% | -92.78 | -278.34 |
| 17 | Other, if any-Contigency Reserve | 0.00 | 100% | 0% | 0.00 | 0.00 |
| | Grand Total | 6138.45 | | | 1260.42 | 4878.02 |
| | Miscellaneous Receipt | | | | | |
| 18 | Non-Tariff Income | 386.02 | 10% | 90% | 38.60 | 347.42 |
| | Net Costs | 5752.42 | | | <mark>1221.82</mark> | 4530.60 |

*HT Loss considered @ 8% only.

| | EHT | нт | LT | TOTAL |
|--|-------|------|------|-------|
| Input received in the system(MU) | 11524 | 8044 | 4810 | |
| Proposed Input (MU) for 24-25 | 3480 | 3234 | 4810 | 11524 |
| Proposed Sale (MU) for 24-25 | 3480 | 2590 | 3544 | 9614 |
| Loss (MU) | 0 | 644 | 1266 | 1910 |

Wheeling cost per kWh is **152 paise** The calculation for the same is:

Total wheeling cost for FY 24–25(in Cr) Input received in the system from HT(in MUs)

[1221.82] x 1000 8044

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Determination of Surcharge for EHT category of Consumers

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| Total EHT Sales proposed for FY 2024-25 in MU | Proposed ARR for EHT Category (Rs in Crore) | Average Tariff (P/KWH) (T)* | Cost of Power Purchase (P/KWH) (C) | Wheeling Charge (P/KWH) (D) | System Loss(%) (L) | Regulatory Asset (P/KWH) | Surcharge (P/KWH)(T – (C/ (1-L/100) + D + R)) |
|--|---|--------------------------------|--|-----------------------------------|-----------------------|-----------------------------|--|
| 3480.00 | 2345.54 | 652.15 | 414.00 | 0 | 0 | 0 | 238 |

Determination of Surcharge for HT category of Consumers

| Total HT Sales proposed for FY 2024-25 in MU | Proposed ARR for HT Category (Rs in Crore) | Average Tariff (P/KWH) (T)* | Cost of Power Purchase (P/KWH) (C) | Wheeling Charge (P/KWH) (D) | System Loss(%) (L) | Regulatory Asset (P/KWH) | Surcharge (P/KWH)(T – (C/ (1-L/100) + D + R)) |
|---|--|--------------------------------|---|-----------------------------------|-----------------------|-----------------------------|--|
| 2590.00 | 1624.85 | 627.36 | 414 | 152 | 8 | 0 | 25 |

*Average Tariff has been calculated based on kVAh quantum as kVAh billing has been started from 04.04.21







Application for approval of Truing Up for FY 20-21 (revised), FY 21-22 (revised) & FY 22-23 *CASE NO. 117 OF 2023*

Statement of Revised Truing Up Calculation FY 20-21



| Expenditure (Rs. Cr.) | Approved in ARR FY 20-21 | Audited (3 Months | Allowed in Prov. True-) Up | TPWODL Revised Submission FY 20-21 |
|--|--------------------------------|----------------------|-----------------------------------|---|
| Cost of Power Purchase | 2633.22 | 689.80 | 660.68 | <mark>665.15</mark> |
| Employee Cost | 361.02 | 101.70 | 101.70 | <mark>116.38</mark> |
| Repair & Maintenance | 92.24 | 5.75 | 5.75 | 5.75 |
| Administrative and General Expenses | 52.80 | 36.76 | 13.20 | <mark>22.07</mark> |
| Provision for Bad & Doubtful Debts | 22.95 | 8.53 | 5.74 | <mark>8.53</mark> |
| Depreciation | 61.40 | 16.40 | 15.35 | <mark>16.40</mark> |
| Interest on Working Capital | 0.00 | 2.95 | 2.95 | 2.95 |
| Interest Chargeable to Revenue (Including SD) | 38.62 | 8.00 | 8.00 | 8.00 |
| Interest on Long term loans | 14.58 | 0.00 | 0.00 | 0.00 |
| (A) Total Expenses | 3276.83 | 869.89 | 813.36 | 845.23 |
| (B) Total Special Appropriation | 0.00 | 0.00 | 0.00 | 0.00 |
| (C) Return on Equity | 7.78 | 0.00 | 12.00 | 12.00 |
| TOTAL (A+B+C) | 3284.61 | 869.89 | 825.36 | 857.23 |
| Less: Misc. Receipt/ CSS | 191.39 | 91.50 | 91.50 | 91.50 |
| Total Revenue Requirement | 3093.22 | 778.39 | 733.86 | 765.72 |
| Revenue from Sale of Power | 3128.91 | 847.62 | 847.62 | 847.62 |
| GAP(-)/ Surplus (+) | 35.69 | 69.23 | 113.76 | 81.90 |

| Parameters | Allowed in Prov. True Up | TPWODL Revised Submission FY 20-21 |
|--|-----------------------------|---------------------------------------|
| Approved AT&C Loss (%) | 19.60 | 20.40 |
| Normative Collection Efficiency (%) | 99 | 99 |
| Calculated Dist Loss(%) | 18.79 | 19.60 |
| Actual Sales (MU) | 1561.53 | 1561.53 |
| Actual Power Purchase(MU) | 2013.06 | 2013.06 |
| Normative Power Purchase(MU) | 1922.78 | 1942.10 |
| Additional Power Purchase (MU) | 90.28 | 70.96 |
| Approved BSP incl. Tx. (P/ kWh) | 322.60 | 34.60 |
| Amount eligible for loss or gain (Rs. Cr.) | 29.12 | 24.66 |
| | | |

- Change in Power Purchase Cost on a/c of loss/gain (erroneous consideration of T&D loss of 19.6% instead of AT&C Loss of 20.4%. Approved BSP considered incl. Tx. Charges).
- Emp. Cost includes outsourced & contractual cost (booked under A&G as per a/c Rs. 14.68 Cr.)
- A&G expenses may be considered taking into account the ground realities and initial setup cost incurred due to takeover process.
- Prov. of Bad debts considered as per 1% on actual revenue billed as approved.
- Depreciation considered as per audited accounts (even pro-rating actual incurred by WESCO till Dec-20 Rs. 48.32 Cr Q4 portion would be Rs. 16.11 Cr).

Hon'ble OERC is requested not to consider WESCO period's approval for Truing up of 3 months (FY 20-21) - TPWODL's period..

Statement of Revised Truing Up Calculation FY 21-22 (with unbilled revenue)

TPWODL Revised Approved in ARR & FY 2021-22 Allowed in Prov. Expenditure (Rs. Cr.) Submission ABP FY 21-22 (Audited) True-Up FY 21-22 3338.17 3310.91 3140.48 3340.43 **Cost of Power Purchase** 456.35 412.35 <mark>473.45</mark> 409.49 **Employee Cost** 160.00 137.05 137.06 137.06 **Repair & Maintenance** Administrative and General 103.17 <mark>113.27</mark> 146.23 103.17 Expenses Provision for Bad & Doubtful 27.42 45.03 45.03 45.03 Debts 36.34 81.12 24.45 24.45 Depreciation 34.37 9.98 9.98 9.98 Interest on Working capital 0.00 32.95 32.95 32.95 Interest on Consumer SD 4176.61 3911.27 4246.89 4075.90 Sub-Total 5.64 0.00 5.64 5.64 Less: Emp. Cost capitalized 3911.27 4241.25 4081.54 4170.97 (A) Total Expenses **Return on Equity** 48.00 63.74 52.79 52.79 21.79 Income Tax 0.00 21.45 0.00 48.00 85.19 52.79 74.58 (B) Sub-Total Total (A+B) 3959.27 4326.44 4134.33 4245.55 142.67 Less: Misc. Receipt/ CSS 237.45 234.36 142.67 **Total Revenue Requirement** 3721.82 4092.08 3991.66 4102.88 **Revenue from Sale of Power** 4691.86 3705.75 4691.86 4691.86

599.78

700.20

588.98

-16.07

GAP(-)/Surplus (+)

Change in Power Purchase Cost on a/c of loss/gain (Sales considered incl. unbilled quantum and Approved BSP considered incl. Tx. Charges).

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- Emp. Cost includes outsourced & contractual cost (booked under A&G Rs.
 32.96 Cr as per a/c) and cost of permitted recruitment (Rs. 28.14 Cr.)
- A&G and R&M expenses to be considered in toto (Rs. 250.32 Cr.) considering ground realities which is well within limits of total approved R&M and A&G cost (Rs. 263.17 Cr.).
- Due to oversight/clerical error Emp. Cost capitalized has been added instead of deduction.
- Income Tax considered on grossed up RoE (actual tax paid is Rs. 33.13 Cr.)

Statement of Revised Truing Up Calculation FY 21-22 (without unbilled revenue)

Expenditure (Rs. Cr.) Approved in ARR & FY 2021-22 Allowed in Prov. TPWODL Revised Submission FY 21-

| ABP FY 21-22 | (Audited) | True-Up | Submission FY 21- 22 |
|--------------|--|--|--|
| 3140.48 | 3338.17 | 3310.91 | <mark>3308.65</mark> |
| 409.49 | 456.35 | 412.35 | <mark>473.45</mark> |
| 160.00 | 137.06 | 137.05 | <mark>137.05</mark> |
| 103.17 | 146.23 | 103.17 | <mark>113.27</mark> |
| 27.42 | 45.03 | 45.03 | 45.03 |
| 36.34 | 81.12 | 24.45 | 24.45 |
| 34.37 | 9.98 | 9.98 | 9.98 |
| 0.00 | 32.95 | 32.95 | 32.95 |
| 3911.27 | 4246.89 | 4075.90 | 4144.83 |
| 0.00 | 5.64 | 5.64 | <mark>5.64</mark> |
| 3911.27 | 4241.25 | 4081.54 | 4139.19 |
| 48.00 | 63.74 | 52.79 | 52.79 |
| 0.00 | 21.45 | 0.00 | <mark>21.79</mark> |
| 48.00 | 85.19 | 52.79 | 74.58 |
| 3959.27 | 4326.44 | 4134.33 | 4213.77 |
| 237.45 | 234.36 | 142.67 | 142.67 |
| 3721.82 | 4092.08 | 3991.66 | 4071.10 |
| 3705.75 | 4691.86 | 4691.86 | <mark>4609.32</mark> |
| -16.07 | 599.78 | 700.20 | 538.22 |
| | 3140.48 409.49 160.00 103.17 27.42 36.34 34.37 0.00 3911.27 0.00 3911.27 0.00 3911.27 237.45 3721.82 3705.75 | 3140.48 3338.17 409.49 456.35 160.00 137.06 103.17 146.23 27.42 45.03 36.34 81.12 34.37 9.98 0.00 32.95 3911.27 4246.89 0.00 5.64 3911.27 4241.25 48.00 63.74 0.00 21.45 48.00 85.19 3959.27 4326.44 237.45 234.36 3721.82 4092.08 3705.75 4691.86 | 3140.483338.173310.91409.49456.35412.35160.00137.06137.05103.17146.23103.1727.4245.0345.0336.3481.1224.4534.379.989.980.0032.9532.953911.274246.894075.900.005.645.643911.274241.254081.5448.0063.7452.790.0021.450.0048.0085.1952.793959.274326.444134.33237.45234.36142.673721.824092.083991.663705.754691.864691.86 |

Change in Power Purchase Cost on a/c of loss/gain (Sales considered excl. unbilled quantum – 69.301 MU and Approved BSP considered incl. Tx. Charges).

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- Emp. Cost includes outsourced & contractual cost (booked under A&G Rs. 32.96 Cr. as per a/c) and cost of permitted recruitment (Rs. 28.14 Cr.)
- A&G and R&M expenses to be considered in toto (Rs. 250.32 Cr.) considering ground realities which is well within limits of total approved R&M and A&G cost (Rs. 263.17 Cr.).
- Due to oversight/clerical error Emp. Cost capitalized has been added instead of deduction.
- Income Tax considered on grossed up RoE (actual tax paid is Rs. 33.13 Cr.)
- Unbilled Revenue Rs. 82.54 Cr. not considered in Revenue from Sale of Power.

Statement of Truing Up Application FY 22-23

| Expenditure (Rs. Cr.) | Approved in ARR & ABP FY 22-23 | (Audited) FY 22-23 | TPWODL Submission FY 22-23 | |
|--|-----------------------------------|-----------------------|-------------------------------|--|
| Cost of Power Purchase (A) | 3610.07 | 5094.79 | 5169.93 | |
| Employee Cost | 474.83 | 467.40 | 474.40 | |
| Repair & Maintenance | 156.03 | 237.56 | <mark>237.56</mark> | |
| Administrative and General Expenses | 110.39 | 153.46 | <mark>146.45</mark> | |
| Provision for Bad & Doubtful Debts | 27.87 | 129.41 | 61.81 | |
| Depreciation | 46.52 | 44.27 | 44.27 | |
| Interest on Working capital & Finance Cost | 7.00 | 21.15 | 67.55 | |
| Interest on Consumer SD | 37.50 | 63.94 | 63.94 | |
| Total O&M and Other Cost | 860.14 | 1117.19 | 1095.98 | |
| Less: Emp. Cost capitalized | 21.18 | 15.23 | 15.23 | |
| Less: Interest Capitalized | 0.00 | 3.64 | 3.64 | |
| Add: Return on Equity | 48.00 | 67.21 | 67.21 | |
| Add: Income Tax | 0.00 | 31.94 | 22.61 | |
| Total Distribution Cost | 886.96 | 1197.47 | 1166.93 | |
| Less : Misc. Receipt | 267.69 | 233.99 | 218.33 | |
| Less: CSS/ Open Access Charges | 0.00 | 540.07 | 540.07 | |
| Net Distribution Cost (B) | 619.27 | 423.40 | 408.52 | |
| Less: Prov. Surplus considered | 150.00 | - | - | |
| Total Revenue Requirement (A+B) | 4079.34 | 5518.20 | 5578.45 | |
| Total Revenue (Full year) on accrual basis | 4119.48 | 6180.86 | 6180.86 | |
| GAP(-)/ Surplus (+) | 40.14 | 662.66 | 602.41 | |



- Change in Power Purchase Cost on a/c of loss/gain (Approved BSP considered incl. Tx. Charges).
- Emp. Cost includes Rs. 7.00 Cr. which was erroneously booked under A&G as per audited accounts towards CLA of employees.
- A&G and R&M expenses to be considered as per actual audited expenses in line with the approval of FY 23-24 (which is the base year).
- Interest on Working Capital & Finance
 cost claimed as per normative basis.
- Income Tax considered on grossed up RoE (actual tax paid is Rs. 66.28 Cr.)
- Meter rent on IPDS & Saubhagya scheme offered as NTI.





KEY ACHIEVEMENTS & HIGHLIGHTS

Capital Work Status – OERC Approval



| SL. No | OERC Approved Category | CAPEX Approved Upto FY24 | CAPEX Approved for FY24 | Cumulative Capitalization Till FY23 | YTD FY24 | | YTD FY24 | | YTD FY24 | | YTD FY24 | | | | Capitalisation Expected in Q4 FY24 | Capitalisation Plan in FY24 | Actual Capitalization Expected in FY24 | Cumulative Capitalization Expected till FY24 |
|--------|--|--------------------------------|-------------------------------|---|----------|--------|----------|-------|----------|-------|----------|--|--|--|--|--------------------------------|--|---|
| | | | | | Plan | Actual | | | | | | | | | | | | |
| | | | | (A) | (B) | (C) | (D) | E=B+D | F=C+D | G=A+F | | | | | | | | |
| 1 | Statutory & Safety | 185 | 34 | 95 | 37 | 35 | 33 | 69 | 68 | 162 | | | | | | | | |
| 2 | Loss Reduction | 148 | 59 | 56 | 34 | 13 | 55 | 89 | 68 | 123 | | | | | | | | |
| 3 | Reliability | 237 | 69 | 73 | 65 | 28 | 99 | 164 | 127 | 200 | | | | | | | | |
| 4 | Network Optimisation & Load Growth | 253 | 68 | 114 | 75 | 23 | 98 | 173 | 121 | 235 | | | | | | | | |
| 5 | Technology and Civil Infrastructure | 370 | 151 | 189 | 95 | 50 | 124 | 218 | 173 | 362 | | | | | | | | |
| | Total | 1193 | 382 | 526 | 305 | 148 | 409 | 714 | 557 | 1083 | | | | | | | | |

Capex commitment as Vesting Order is ₹ 1139 Cr till FY24

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Improvement through CAPEX – Loss Reduction

Initiatives

Energy Audit & Meter related activity

Upgradation of HT & LT Network.

Installation LT DB, Metering Unit,

Meters, and Modems, DTR Smart

Metering, Installation of CT, PT,

Meters & Modems.

Outcomes

- Approx. 5 Lakhs+ faulty meters replaced till date.
- Approx. 46000-3phase meters & approx. 70000-1 Phase meters replaced with smart meters.
- 193 Nos. BST Points (Grid End), 47 Nos. EHT Consumers, 191 Nos. 33 KV Feeders, 1087 Nos. 11 KV feeders are metered.
- 750 CKMs+ of LT bare to LT ABC replacement done.
- Conductor Upgraded: 700Km+(11 kV) & 350 km+(33 kV)
- DTR capacity augmentation & Load Balancing: 937 Nos.
 Overloaded DTR augmented (37.7 MVA added) & 4643 Nos.
 DTR load balancing
- 2379 Nos. of ACB/MCCB/Hanging Type feeder pillars installed. 394 Nos. of CT/PT/Relays replaced. Smart meters installation at 2303 Nos. DTs secondary done.





Improvement through CAPEX – Reliability

Initiatives

Augmentation of undersized 33 KV, 11 KV , LT Sections, PTR. DTRs

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Network with N-1 redundancy (33 KV/ 11 KV/High Revenue PSS (Industrial pockets, Town areas), Model DSS

Installation of RMUs, Auto Recloser, Sectionalizers, FPIs, isolators, AB Switch etc.

Refurbishment of Network Components in PSS & DSS.

<u>Outcomes</u>

- 79 CKMs of 33 KV Line, 414 CKMs of 11 KV line, 513 CKMs of LT bare to ABC conversion done. 24 Nos. of PTRs augmented/ replaced. 937 Nos. DTR augmentation/Swapping done.
- Improvement in N-1 redundancy at 33 KV level (N-1 Compliant high revenue feeders improved from 35 Nos. to 57 Nos. against total of 57 Nos. high revenue feeders).
 Similarly, improvement in N-1 redundancy at 11 KV level (N-1 compliant high revenue feeders improved from 108 Nos. to 130 Nos. against total of 130 Nos. high revenue feeders), 45 Nos. of Model DSS created.
- 66 Nos. of Auto Recloser / Sectionalizers, 4218 Nos. AB Switches installed.
- Total 46 Nos. of PSS refurbishment done. 251 Nos. VCB replacement done. New Power Transformer: 31 Nos. (255.5 MVA) added in last year to ensure 100% PTR loading <80%
- Earthing at 88 Nos. PSS done. 25 Nos. station transformers replaced. 2379 Nos. ACB/MCCB installed. 164 Nos. CRP panel & 15 Nos. RTU panels replaced.











Improvement through CAPEX – Load Growth

Initiatives

Mitigation of Overloaded network

Addition of PTRs, DTRs, New 33 KV, 11 KV & LT Feeders & Link Lines

New PSS (33/11 KV)

<u>Outcomes</u>

 Reduction in overloaded feeders (33 KV- 10 Nos. in FY 22 to 2 Nos. in FY 24, 11 KV feeders- 58 Nos. FY 22 to 14 Nos. in FY 24) after considerable increase in load.

 2 nos. of new PTRs installed. 314 CKMs of New 33 KV Line erection done. 391 CKMs of New 11 KV line erection done.

 29 Nos. of new PSS charged. (5 Nos. new PSS in CAPEX under execution). Rourkela Hockey stadium PSS charged in record 4.5 Months.







Improvement through CAPEX – Technology

Initiatives

Outcomes

Deployment of SCADA across TPWODL electrical Network

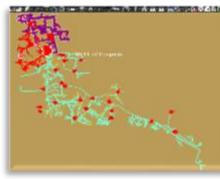
Implementation of GIS across TPWODL

Deployment of SMART meter and Backend infra

- Centralized monitoring and Control of 125 PSS and reduction in ENS (Energy Not Served).
- Life span of Equipment Improvement through monitoring of real time operational parameter.
- Reliability Improved as early power supply restoration (SAIDI improved from 424 Hrs. in FY 22 to 329 Hrs. FY 23-22% Improvement.
- Mapping of all the assets of TPWODL.
- Used for Network Planning.
- Used for Energy Audit.
- Used for Outages management.
- Used for new connection released.
- Improvement in Billing accuracy
- Monitoring of real time energy consumption.
- Remote Connection and Disconnection
- Prepaid Facility of energy bill.

rough ration rs. FY









Improvement through CAPEX – Civil



Outcomes

Upgradation of Civil infrastructure of office buildings

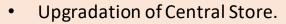
Store

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Improvement of infrastructures

Infrastructure for fuse call center, New/ Renovation of washroom to provide personal health & Hygiene

- Renovated /Constructed 96 Nos. of Circle/Division/ Subdivision/Section/Commercial buildings those were in dilapidates conditions.
- Renovated 3nos Meter Reading and Testing Lab with NABL standard.



- Oil shed, Go downs, E-waste room and scrap store.
- Strengthening of Store Boundary and retaining wall.

- Renovated and constructed total 327nos washroom for personal health and hygiene.
- Renovated/ Constructed 13 nos. customer care centers.













Improvement through CAPEX – Statutory and Safety

Initiatives

Working at height risk reduction (Use of Telescopic Tree Cutter, Man Lifter.)

Deployment of PPEs (Arc Flash kit, Neon Tester, Discharge Road)

Erection of Boundary Walls in PSS, Fencing in DSS, Mid Poles to avoid sag in lines.

Public safety awareness campaign

<u>Outcomes</u>

- Enable to reach height without using a ladder.
- Tree trimming at different level of height.
- Human Risk Reduction.
- Arc suit provide the protection against the severe burn Injury due to Arc flash.
- Voltage presence identification.
- Human protection.

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- Protection of human beings and animals through avoiding unauthorized access. (4500 Rmtr. of 33/11KV PSS boundary walls strengthened, Civil work inside PSS in 27 nos 33/11KV PSS done, 1360 Nos. DTR fencing done, 372 Nos. Mid-Pole at 33 KV & 5230 Nos. Mid-Poles at 11 KV added).
- Maintaining statutory clearances.

• Awareness video message displayed through Digital Van.

- Awareness through PA system on maintenance vehicle is more acceptable method of passing information to many people in public.
- Effective approach for local language.









Key Achievements & Highlights



- Total 295 MVA Load added & New consumers added 73087 Nos. in FY 24.
- Increased in Actual Billing from **75.4% to 84.8%** & OCR Billing improved from **14% to 83%**
- **36** Sections achieved 100 % actual billing, with 64 Sections reaching the milestone of >95% actual billing.
- Total **103 MW** load booked & recovered **Rs.21 Cr** from Enforcement assessment through conducting >850 settlement camps.
 - Received NABL Accreditation for All Meter Testing Labs, Elevating Standards of Precision and Excellence.
 - Reduction of Tripping- 43 % in HRF & 19 % in overall
- Conversion of 294 Nos of FCC to "Bidyut Seva Kendra"
- SAP based **Preventive Maintenance Compliance -90%**

- \bigstar
- Usage of FCC App Compliance 92 % for No current complaint monitoring.



100 % Sales of allocated RE power 704 MUs to (Vedanta, AAI, Birsa Munda Hockey Stadium, IOCL, SBI ATMs etc.) thus generating additional revenue of **17.60 Cr**



The **SIGITEK Automatic Supplier Invoice Management System** has been launched to ensure audit compliance, checks and controls and timely bill processing and payment.

Rewards & Recognition FY 23-24





31st CCQC 23 Rourkela Chapter-9 Gold & 02 Silver Award

CEO with HR Orientation by "Asia Pacific HRM Congress



Global Top 10 CSR Impact Award-by HR-SUCCESS Talk



TPWØDL

Excellent Performer" for the year 2023 in the Compliance 10/10 Award



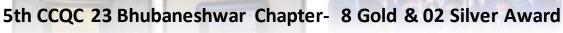
48th ICQCC23 Beijing China – 3 Gold Award





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46th CII National KAIZEN –Silver Award







COMMERCIAL HIGHLIGHTS

Customer Service Initiatives (1/2)

/ ② Call Centre & CCC Operations:

- ADMS Integration with CRM (Pilot started from RED)
 Introduced Soochna portal for Live Outage Information
 FCC App enhancement (100% complaint Closure)
- □ VR OBD for Digital Communication
- □ Inhouce Emailing Broadcasting
- □ Push SMS during live call,
- **E-Billing through WhatsApp & Email**
- □ ETR SMS communication for NPS complaints
- **Consumer service Camp Jan Jagran Journey**
- □ Miss Call Pay Service
- eDARPAN-transactional feedback
- Rate the customer behavior

Improving Rural Service Delivery :

- Digital Literacy Campaigns
- GP meetings
- Digital Services Sticker

Social Media:

Introduced Direct Message link on Twitter
 You Say-We Listen campaign-on Twitter
 Awareness/Educational campaigns on Social Media
 MO Sarkar Visitor Management System all CCC

Training & Development:

- Inhouse Video Based Training Module for training
 IJP for Call Centre & CCC exe. (Upgradation)
- Train the trainer program
- □ Soft Skills training by external experts.
- Live Call Barging & Monitoring
- Arrear amount display in FCC
- Escalation and SMS notification history

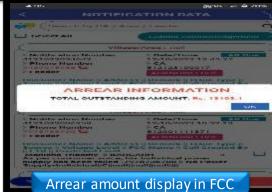






| Development of Escalation & SMS Notification History | | | | | | | | |
|---|------------|-------------------|----------------------|-----|--|--|--|--|
| Notification Receiver Mobile No Notification Type Addition DeliNeted Actification Serie/V | | | | | | | | |
| Consumer | 7578958780 | Registration | 05-101-2023 19:32:43 | 16 | | | | |
| 10 | 9777555491 | Registration | 0544420231253251 | fas | | | | |
| Unertan | 8144815040 | Dispatch | 654420231931:03 | 78 | | | | |
| ESO | 700913547 | First Escalation | 06-14-2023/01:32:43 | fes | | | | |
| 500 | 9437058802 | Second Escalation | 054142023103025 | 78 | | | | |
| E | 9437156237 | Pending Beyond | 06414202312:3225 | 7s | | | | |
| Catsutter | 7578358780 | Rectified | 07-hil-202311:46:12 | 75 | | | | |

Volume Killing Structure Structure



Visit of CEO-TPDDL





Customer Service Initiatives (2/2)



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Digitul syments Options

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Senior Citizen Desk @CCC

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Digital Payment drive

Your Electricity Bill Within The Due Date is Digitally

Digital Service Stickering

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Interactive WhatsApp S

WhatsApp No Promotion @CCC

Consumer Communication: Green Bill Opt-In Drive Digital Payment Awareness □ Miss Call Pay Service Dangers about hooking Energy Conversation **Electrical safety Consumer Touchpoints** CCO Visiting of CCC PWODL || Electrical Fire Safety Shreya Paul '000pradeep@gmail.com **ustome**rService Promote LES TRACES ALLOUGH Why E-Bill? tainstrips have Chiefe Barrison & an a We at #TPWODL are committed to serve Environment & sustainable practices. E-Bill is once such initiative where we prioritize reducing paper bills towards a sustainable future. Lets reduce using paper and contribute our part to environmental conservation. When App Martine KILLASSAN To join this green initiative & opt for E-Bill Provil announcements and Jus New Commission, 7411770793 (Miss sell and the **Electrical Fire Safety** #SustainableIsAttainable #GoPaperlessGoGreen TPWODL TP WESTERN ODISHA DISTRIBUTION LIMITED E Care TPWODI 9004 detrohit200238 gmail.com Tata Proper and Ordeba Gouperstant fort Kortan TPWODL VIGILANCE WEEK. PAY ELECTRICITY BILL ONLINE & GET YOUR MONTHLY BILLS ON WHATSAPP, SMS & EMAIL TPW@DL TP WESTERN CONSIST ENCIDERAGE DESIDE IN SCAN THIS OR CODE AND OPT FOR E-BILL AT YOUR FINGERTIPS ! SAY NO TO CORRUPTION AND COMMIT TO THE NATION! as area No area **VIGILANCE AWARENESS WEEK** Green Bill Drive

Customer Grievance Redressal Matrix

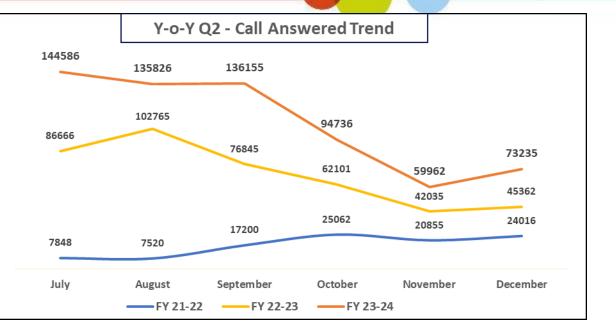
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TPWØDL

| Particulars | ABP | Q1 | Q2 | Month | Month | Month | Q3 | Q4 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| (Overall | FY24 | FY24 | FY24 | Oct'23 | Nov'23 | Dec'23 | FY24 | FY24 |
| Customer Service) | Target | Actual | Actual | Actual | Actual | Actual | Target | Target |
| AHT (Sec) | 180 | 188 | 185 | 158 | 173 | 157 | 180 | 170 |
| AWT (Sec) | 25 | 25 | 25 | 33 | 20 | 25 | 24 | 23 |
| Call Answered (%) | 97 | 92 | 92 | 98 | 97 | 97 | 97 | 97 |
| Call Quality (%) | 97 | 95 | 97 | 96 | 96 | 97 | 97 | 97 |

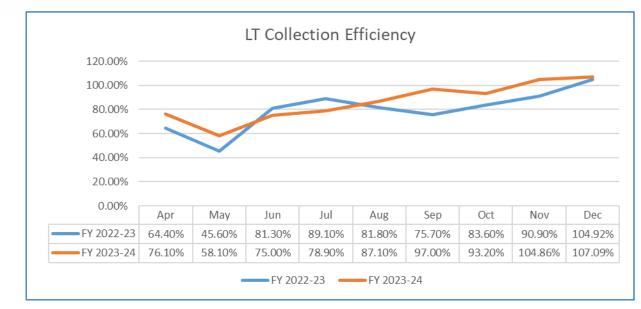
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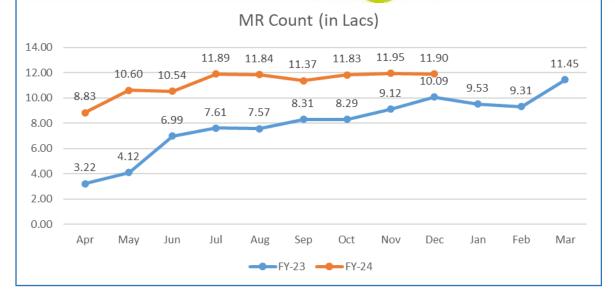


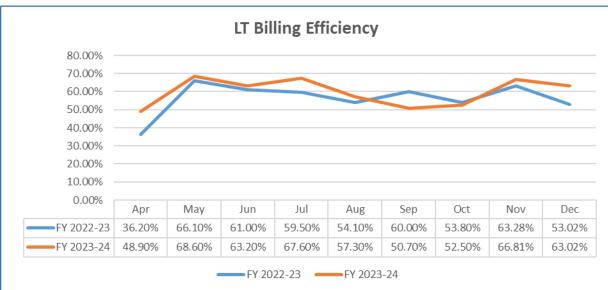
| Particulars (Digital Literacy) | Q1-FY24 Actual | Q2 FY24 Actual | Q3 Oct'23 Actual | Q3 Nov'23 Actual | Q3 Dec'23 Actual | Q3 FY24 Target | Q4 FY24 Target | ABP FY24 target |
|--|----------------|-------------------|------------------|---------------------|---------------------|-------------------|----------------|--------------------|
| My Tata Power Consumer App – Consolidated(Count) | 145132 | 183433 | 216000 | 222497 | 226607 | 375000 | 500000 | 500000 |
| Email Registration(Count) | 81216 | 89743 | 91045 | 98250 | 103051 | 95000 | 100000 | 100000 |
| WhatsApp Registration(Count) | 458693 | 525470 | 542271 | 555621 | 665351 | 575000 | 650000 | 650000 |
| KYC Completed/Plan(Count) | 503000 | 592771 | 607052 | 616022 | 653683 | 625000 | 650000 | 650000 |
| Digital Service Stickering - Consolidated (Count) | 35905 | 41005 | 76256 | 98810 | 104775 | 75000 | 100000 | 100000 |
| GP Meets - Consolidated(Count) | 61 | 89 | 110 | 122 | 132 | 120 | 150 | 150 |

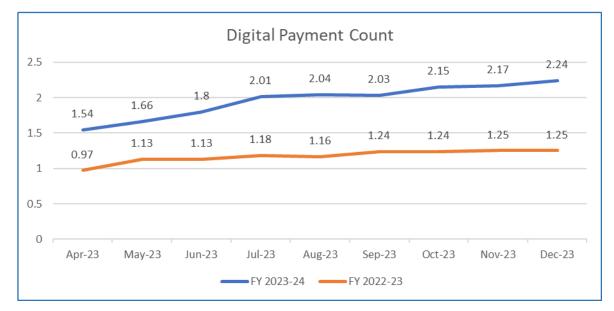
LT Collection Trend (1/2)









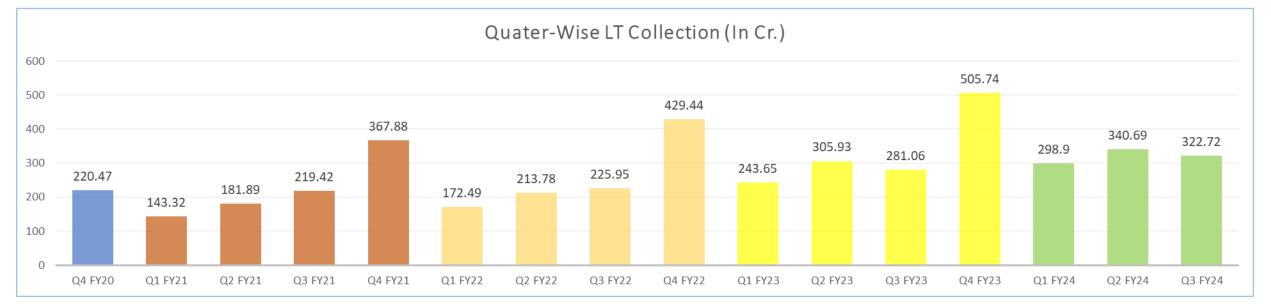


LT Collection Trend (2/2)

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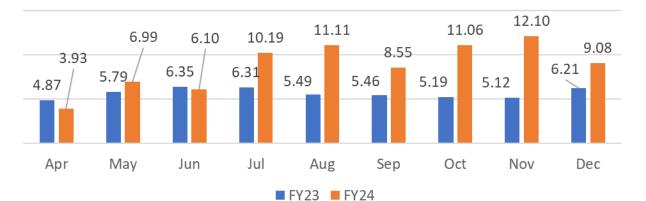
TPWØDL

LT COLLECTION(IN RS. CR) 292.97 262.95 220.28 124.94 120.75 112.85 109.93 113.54 108.59 108.14104.06 102.13 109.81 101.04 105.94 99.92 97.99 95.44 93.87 90.63 91.57 93.28 92.59 93.02 87.63 87.52 83.29 78.87 75.18 74.74 71.63 71.38 64.26 66.96 69.57 66.56 61.03 58.98 57.68 56.58 53.73 62.8 49.71 60.3 58.8 e co 31.21 21.38 57 J A N - 2 2 J A N - 2 3 F E B - 2 2 B - 2 3 M A R - 21 M A R - 2 2 A P R - 2 2 M A Y - 21 M A Y - 2 2 JUN-21 JUN-22 JUL-22 JUL-23 A U G - 21 A U G - 2 2 SEP-22 SEP-23 0 C T - 2 2 N O V - 2 1 N O V - 2 2 C-20 D E C - 2 2 -20 A P R - 2 1 SEP-21 D E C - 2 1 FEB-20 21 M A R - 2 0 M A R - 2 3 A P R - 2 0 M A Y - 2 0 M A Y - 23 J U N - 2 0 JUN-23 JUL-20 J U L - 2 1 A U G - 2 0 A U G - 23 SEP-20 0 C T - 2 0 -21 0 CT - 2 3 N O V - 2 0 -A P R - 2 3 N O V - 2 3 D E C - 2 3 2 - N A L à -NAL 0 C T Ш Ш Ш JAN FEB MAR ΑPR MAY JUN JUL AUG SEP ОСТ NOV DEC



Enforcement Highlights

Month Wise DT/DAE Load Booking Comparison (YTD FY23 VS FY24) (MW)



Cases booked in FY -22 and Resolved in FY – 24 Cases Resolved: 186

Cases booked in FY- 23 and Resolved in FY- 24 Cases Resolved : 2115 Amount Realized : Rs. 3.24 Cr

Amount Realized : Rs. 0.46 Lacs

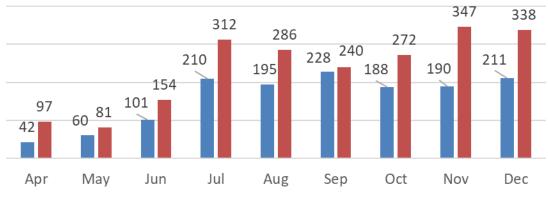
For FY-24 Booked Cases Cases Resolved : 9878 Amount Realized : Rs. 17.56 Cr Total Case booked in Dec'23 = 3588 (10.39 MW) U/S 135 – 3440 (9.13 MW)

Total FA since Apr'21– Dec-23 – Rs. 102.30 Cr. Amount Realized– Rs. 39.38 Cr Balance – Rs. 62.92 Cr

| Theft Type | ΥT | % Increase | |
|----------------|-------|------------|-----|
| | FY23 | FY24 | |
| DT/DAE (MW) | 50.79 | 79.12 | 56% |

| Theft | ۲ | ſD | % Increase | |
|---------------------|-------|-------|------------|--|
| Amount Collected | FY23 | FY24 | | |
| (Rs. Cr) | 14.26 | 21.26 | 49% | |

Month Wise Theft Collection comparison (Lacs)-(YTD FY23 vs FY24)



■ FY23 ■ FY24



Early Morning Raid in Rourkela Division



Category wise Load Booking

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| | De | ec'22-YTM | | Dec'23 - YTM | | | |
|----------------------------------|-------|--------------------|-----------------------------|--------------|--------------------|-----------------------------|--|
| Category | Count | Theft Load (kW) | Average Load per Case | Count | Theft Load (kW) | Average Load per Case | |
| Domestic | 18335 | 43292 | 2.36 | 25547 | 64190 | 2.51 | |
| General Purpose | 1586 | 4534 | 2.86 | 1693 | 5253 | 3.10 | |
| Irrigation Pumping & Agriculture | 415 | 1228 | 2.96 | 1648 | 4760 | 2.89 | |
| Specified Public Purpose | 325 | 755 | 2.32 | 368 | 952 | 2.59 | |
| Temporary Supply | 77 | 240 | 3.11 | 618 | 2203 | 3.56 | |
| Allied Agriculture Activities | 52 | 191 | 3.67 | 85 | 346 | 4.07 | |
| Public Water Works | 36 | 180 | 5.01 | 75 | 216 | 2.88 | |
| Industrial | 22 | 374 | 16.98 | 38 | 1200 | 31.57 | |
| Total | 20848 | 50794 | 2.44 | 30072 | 79119 | 2.63 | |



Meter Replacement (Faulty/Burnt) status -1Ph

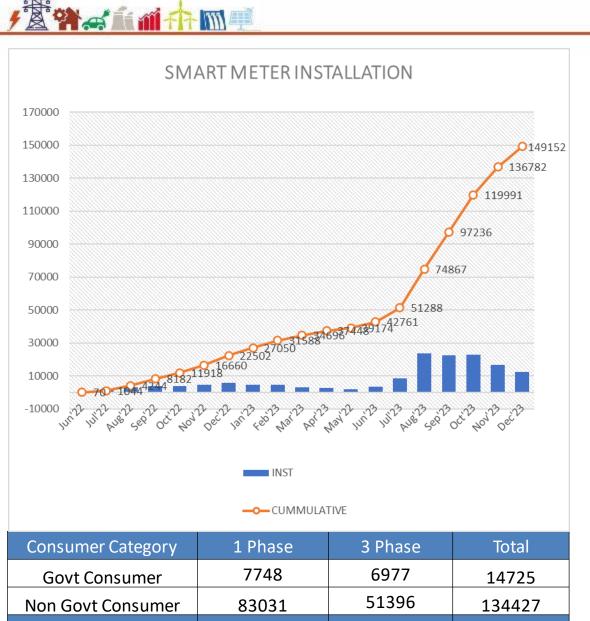
| Year /Month | FY-24 | FY-24 | Dec-23 | Dec-23 | Jan-24 |
|-------------|--------|-------------------------|--------|--------|--------|
| rear/month | Target | Actual (till Dec'23) | Target | Actual | Target |
| FY23-24 | 222674 | 162941 | 41116 | 33449 | 50000 |

Metering Status for LI consumers

| Circle | Total LI Consumers | Ok Meter as per Last billing Data | DISCONNECTED/ PD/BILL | Mete | r to be Re | placed | Progress- Dec-23 | | | | Balance to be resolved. |
|-----------|-----------------------|---|--------------------------|---------------------|----------------------|--------|-------------------|---------------------------|-----------------------------|----------------------------|-------------------------------|
| | (Nos) | (Nos) | STOP/BILL BLOCK | Defectiv e Meter | Witho ut Meter | Total | Meter replaced | Found Disconnect ed | Not traceable / Ghost | Total Resolved cases | (Nos) |
| Sambalpur | 9390 | 3451 | 1517 | 2078 | 2344 | 4422 | 232 | 61 | 0 | 293 | 4129 |
| Rourkela | 7378 | 3187 | 2222 | 1829 | 140 | 1969 | 144 | 0 | 0 | 144 | 1825 |
| Bargarh | 32501 | 13396 | 4148 | 8904 | 6053 | 14957 | 819 | 10 | 0 | 829 | 14128 |
| Balangir | 21725 | 7514 | 4045 | 4402 | 5764 | 10166 | 1109 | 449 | 0 | 1558 | 8608 |
| kalahandi | 12849 | 5918 | 3430 | 2662 | 839 | 3501 | 572 | 10 | 4 | 586 | 2915 |
| TOTAL | 83843 | 33466 | 15362 | 19875 | 15140 | 35015 | 2876 | 530 | 4 | 3410 | 31605 |

Smart Meter Installation Status





90779

Total

| Particular | Smart Meter Installed in | Smart Meter Target for | Dec-23 | | Installed Till | Cumulative | | |
|--|-----------------------------|---------------------------|--------|--------|----------------|--------------|--------|--|
| | FY - 23 | FY - 24 | Plan | Actual | Dec-23 | Installation | Q4 | |
| Govt Connection 1 Ph : 12515 + 3 Ph : 6000 | | 11838 | 1000 | 696 | 8601 | 14725 | 3237 | |
| 3 phase meters (Excl Govt) | 28572 | 40000 | 5000 | 4951 | 22824 | 51396 | 17176 | |
| 1 phase Connection (Excl govt) | 0 | 162862 | 10000 | 6723 | 83031 | 83031 | 79831 | |
| DT meters | 0 | 10773 | 1000 | 734 | 3783 | 3783 | 6990 | |
| Total | 34696 | 225473 | 17000 | 13104 | 118239 | 152935 | 100244 | |

Action Plan

149152

58373

- All Govt Connections Meters to be replaced by Smart Meters till March'24
- Feeder-wise planning is being done for installing smart meters on LI Connections

Consideration of Smart Meter cost under CAPEX instead of Meter Rent

1 Ph Meter

3 Ph Meter

Seal

Access

SI.No.

2

A

| | Sl.No. | Particulars | Quantity planned FY25 | Unit Rate (including tax) | Capex Required |
|-----|--------|---|--------------------------|------------------------------|-------------------|
| | | All Govt connection | 10000 | | |
| | | All Urban Area New Connection | 30000 | | |
| r > | | All Rural Area New connections with 3kW & above | 15000 | Supply: 3704 | |
| | | Existing connections with meter ageing > 5 years & 175000 | Services: 750 | 169.25 | |
| | | All Faulty Meters & Enforcement Cases | 150000 | | |
| | | Total Quantity | 380000 | | |

Particulars

3 Phase consumer W/C Smart Meter with Box

HTTV Smart Meter (Both 11 KV & 33 KV)

LTCT Smart Meter

Total Quantity

Total Capex Required (1+2+3)= ₹ 238.84 Cr.

TPWØDL

| Effect on ARR | ₹ crore |
|-----------------------------------|----------|
| Meter Capex Cost | 238.84 |
| <u>Equity</u> | 71.65 |
| Return on Equity (%) | 16% |
| RoE (₹ crore) - Average | 11.46 |
| <u>Debt</u> | 167.19 |
| Interest rate (%) | 9% |
| Interest cost (₹ crore) - Average | 15.05 |
| Depreciation | |
| Rate (%) | 4.67% |
| Depreciation (₹ crore) | 5.02 |
| Total cost per year | 31.53 |
| LT Units (MUs) in FY25 | 3544 |
| Impact on LT Tariff (Rs./Unit) | 0.09 |
| Total Units (MU) in FY-25 | 9614 |
| Impact on Overall Tariff (Rs./Uni | it) 0.03 |

| | SI.No. | Particulars | Quantity planned FY25 | Unit Rate (including tax) | Capex Required | Total Impa |
|--------|--------|---------------------------------|--------------------------|------------------------------|-------------------|---------------|
| sories | 3 | Total Seals & other Accessories | 2775500 | 202 | 56.07 | |

<u>Prayer</u>: Hon'ble Commission is requested to approve additional capex of 238.84 Cr.

Quantity

planned FY25

15000

1500

0

16500

Unit Rate

(including tax)

Supply: 6599

Services: 1351

Supply: 8502

Services: 2124

Capex

Required

13.52





OPERATIONAL HIGHLIGHTS

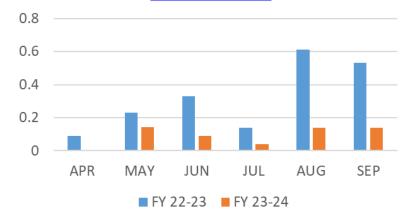
Initiatives for Reliability Improvement



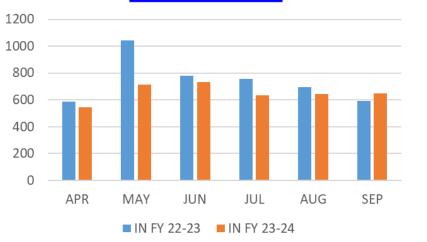
Operation Performance FY-23 V/s FY-24 - (1/2)

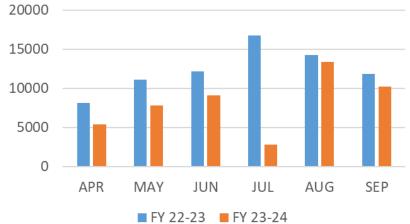
PTR FAILURE

TPWØDL

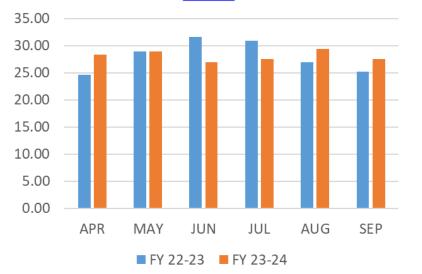


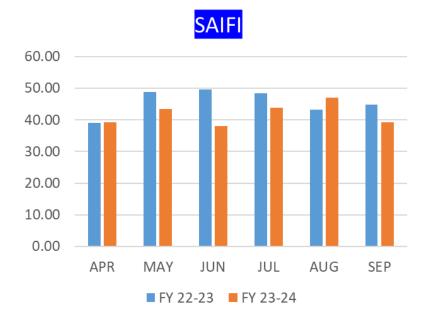
33 KV TRIPPING



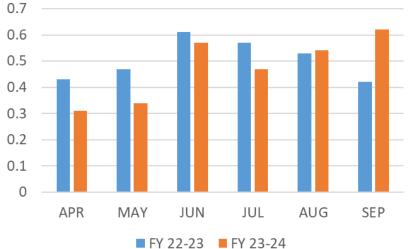








DTR FAILURE (%)

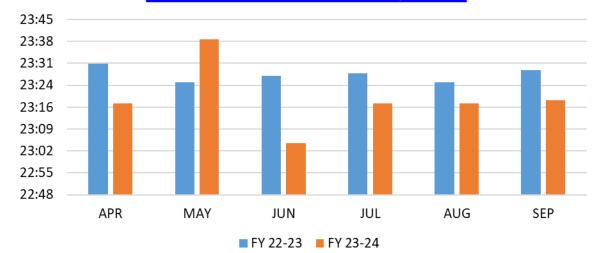


11 KV TRIPPING

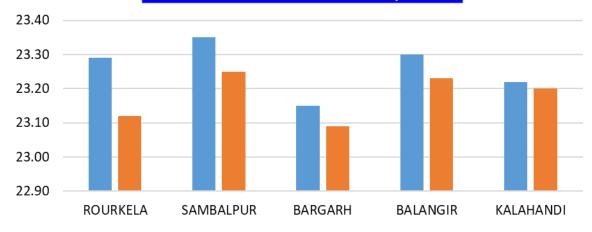
Operation Performance FY-23 V/s FY-24 - (2/2)

Trend of Power Availability hours

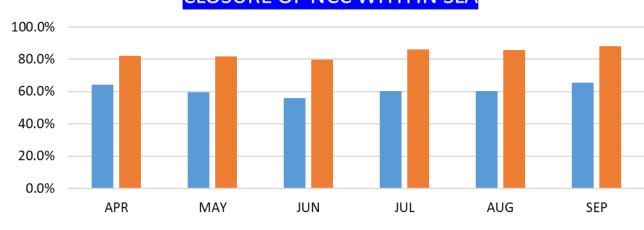
TPWØDL



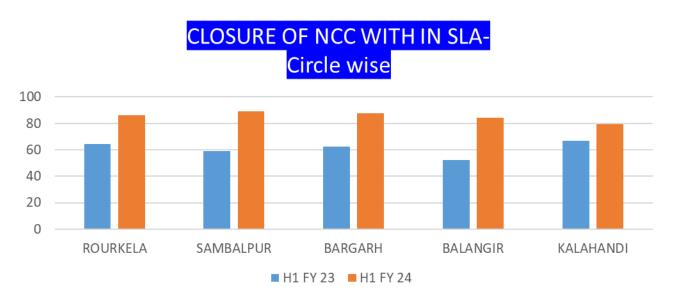
Trend of Power Availability hours



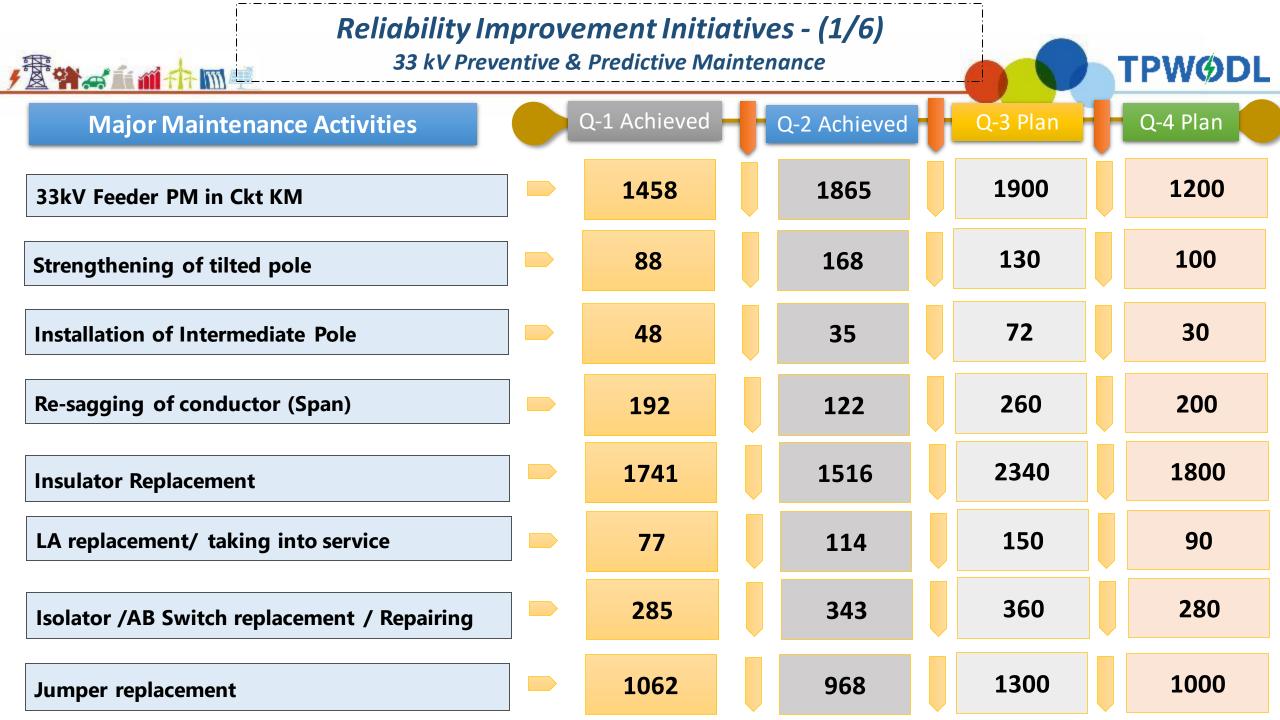
H1 FY 23 H1 FY 24

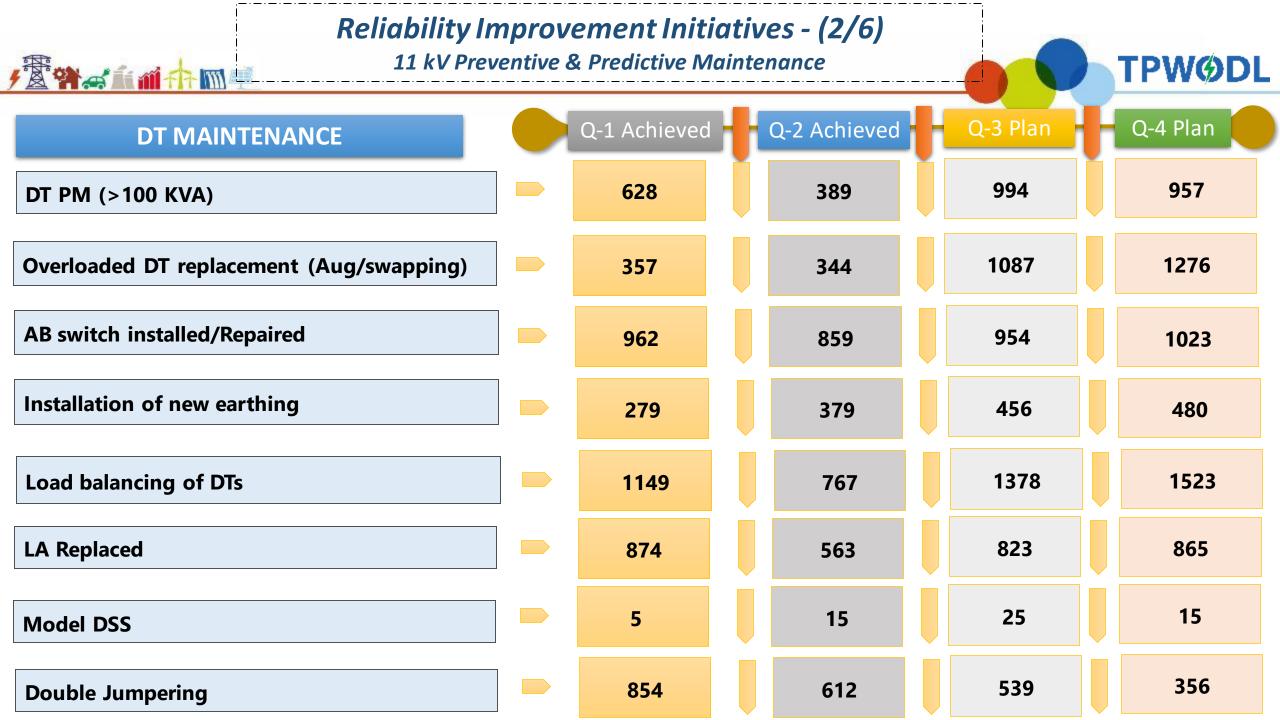


FY 22-23 FY 23-24



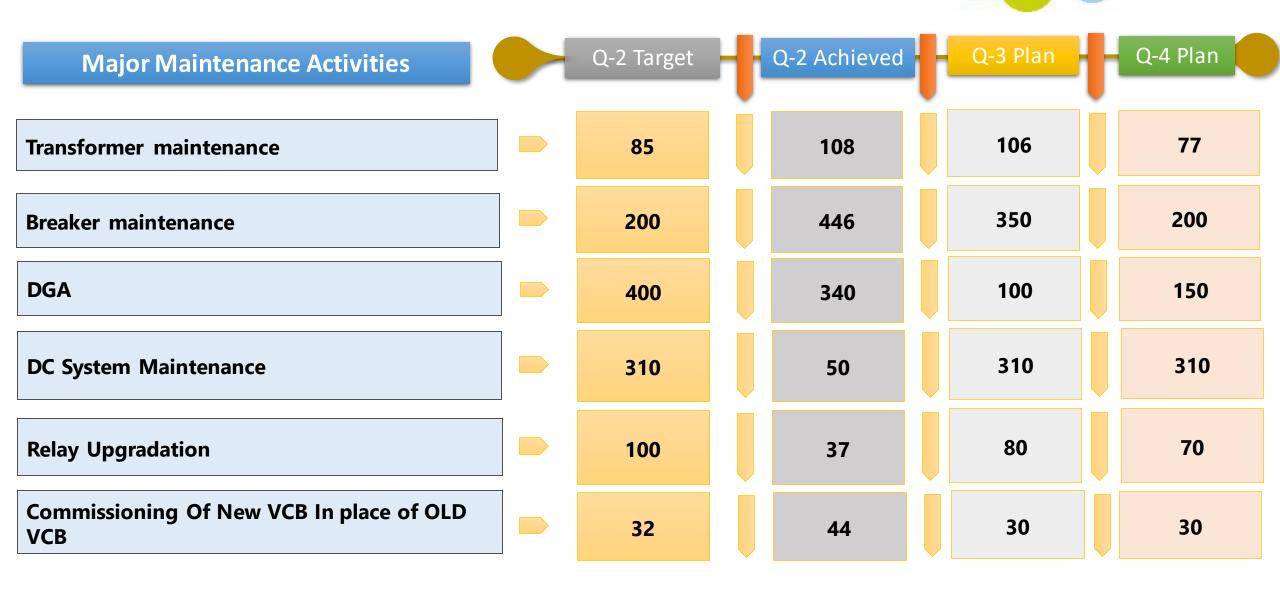
CLOSURE OF NCC WITH IN SLA

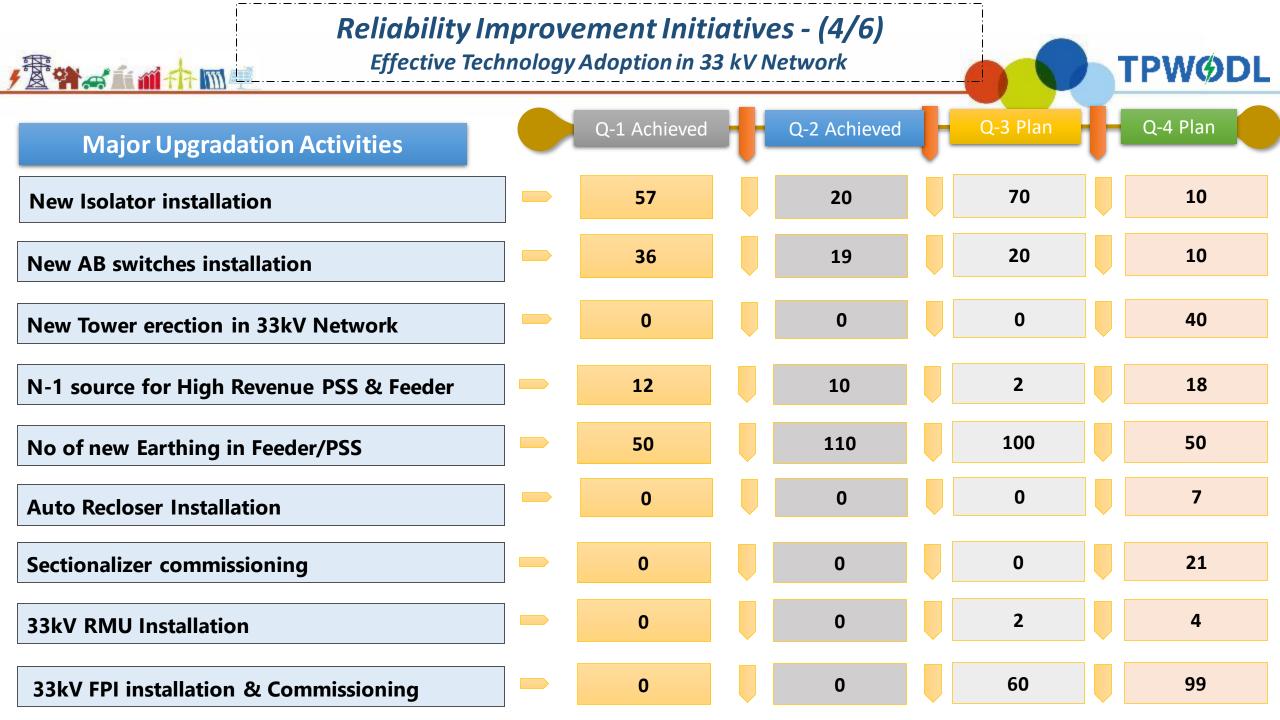




Reliability Improvement Initiatives - (3/6)

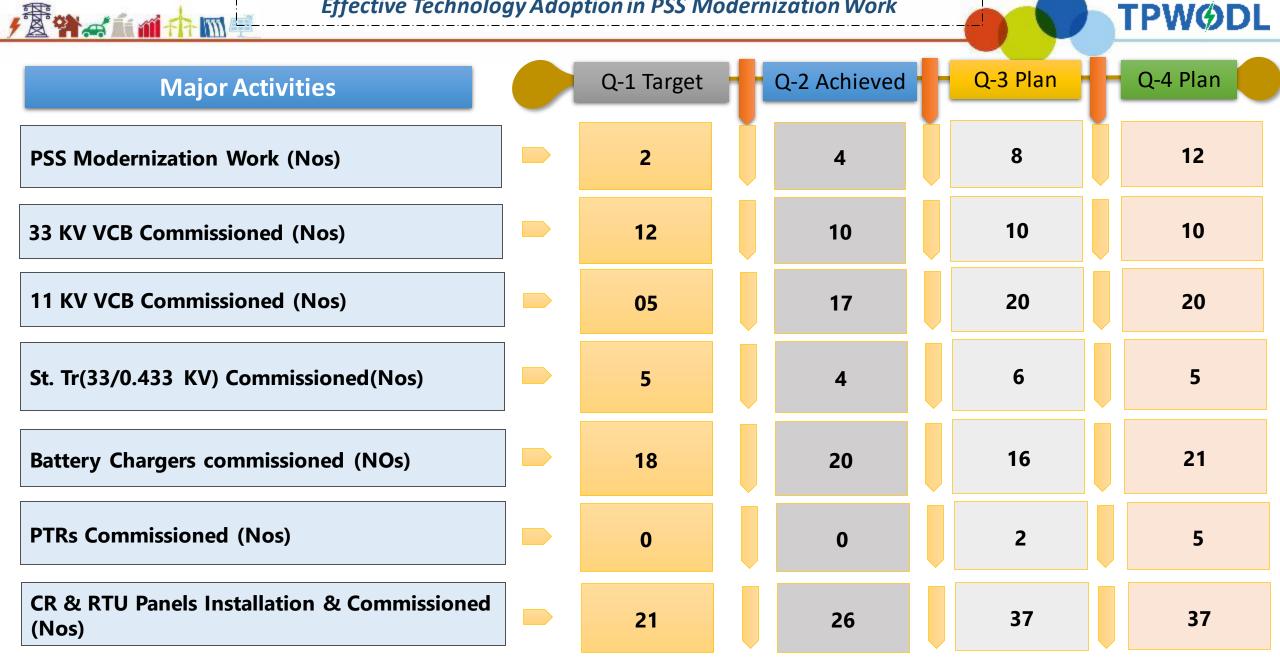
PSS Preventive & Predictive Maintenance





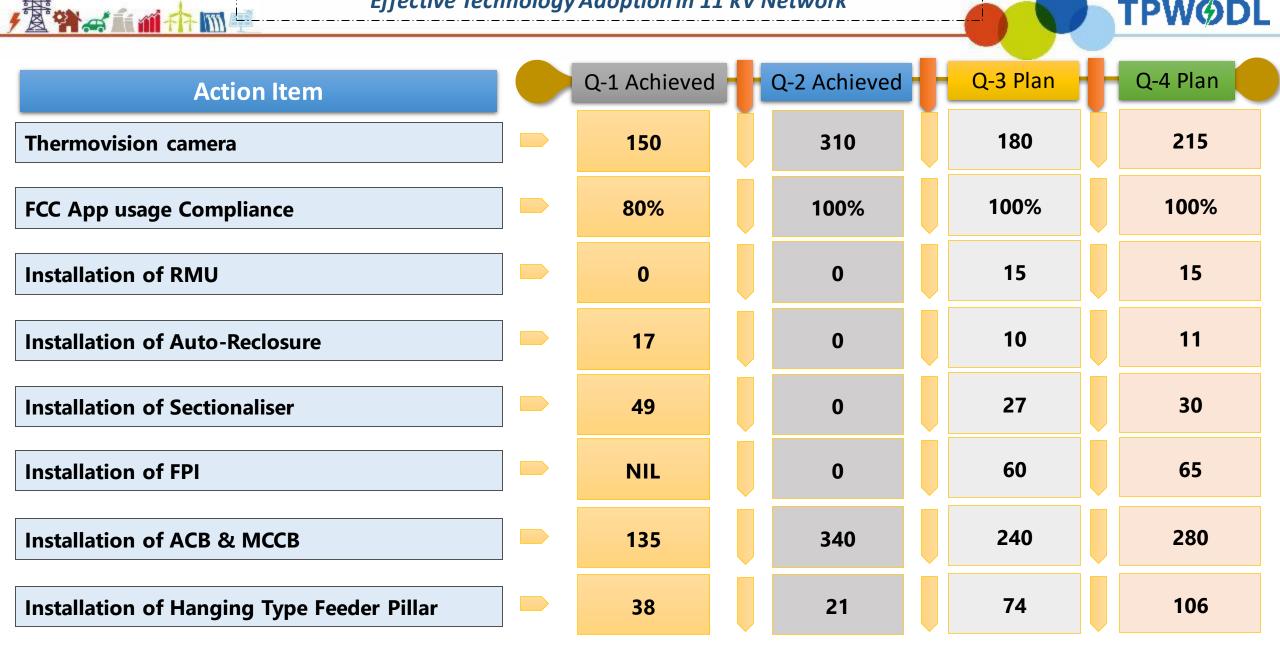
Reliability Improvement Initiatives - (5/6)

Effective Technology Adoption in PSS Modernization Work



Reliability Improvement Initiatives - (6/6)

Effective Technology Adoption in 11 kV Network







SAFETY HIGHLIGHTS

Focus Areas & Action Plan – Safe Operations

Business Partner Safety Management

- Training based on competency assessment
- Mandatory CFSA for all orders as a prerequisite
- for SES clearance

- Implementation of Consequence Management
- Co-creation of HIRA JSA by involvement of BP
- Felt Leadership to ensure effective implementation of CSCC
- Safety Score-card for Business Associates
- Ensuring quality of PPEs used by BP staff

People and Performance

- Competency assessment of employees
- Fixing of accountability SE/EE/SDO/ESO
- Focused approach towards root cause
- Implementation of Consequence Management System

Strategic Initiatives for improved Safety Culture

Effective implementation of governance structure Site Leadership – R&R, Spot awards

Leadership and Governance

Demonstrating Visible Leadership

Operations and Risk

- Effective implementation of critical safety procedures
- Proactive identification and evaluation of Hazards
- In-depth analysis of Incident and observation
- Timely reporting of Near Miss and recording learnings
- Implementation of Safety Management System

- Implementation of Lock Out Tag Out (LOTO)
 - Reduction in Operational Risk
 - Process Strengthening

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- <u>"Jeevan ki Aur" Connecting with Family</u>
 - Cultural change towards safety
 - Emotional connect valuing human life





Safety Trainings



| | | - · · · · · · · · · · · · · · · · · · · | | |
|---------------------------------------|--------------------|---|------------------------|--------------------|
| | | | | TPWØD |
| On site training | No of participants | Total Training manhours | | |
| Working at Height (LM) | | | | |
| Safety Zone(LM/Helper) | | | | Fatal - 02 |
| Fire Safety (ALL) | 170937 | 256406 | FY-23 (Apr 22- Dec 22) | |
| Theme base Training(ALL) | | | | Non Fatal - 22 |
| JSA (Field Staff) | | | | NATE OO |
| L1 BA Employee | 3919 | 31352 | | MTC - 00 |
| BBS-BA employee | 1886 | 15088 | | Near Miss & |
| BBS-Middle management | 35 | 280 | | FAC - 02 |
| Felt leadership | 105 | 840 | | Safety Observation |
| Suruksha Sambad | 325 | 2600 | | - 34294 |
| Safety Induction | 362 | 1448 | | |
| Risk Assessment | 165 | 660 | | |
| First Aid | 78 | 1872 | FY-24 (Apr 23- Dec 23) | Fatal - 03 |
| 5S | 40 | 320 | | Non Fatal - 04 |
| Leading Safety | 51 | 408 | | |
| Making safe choice | 24 | 192 | | MTC - 00 |
| Defensive Driving | 57 | 456 | | Near Miss & |
| TPSDI Train the trainer | 38 | 608 | | FAC - 05 |
| Safety workshop for safety profession | al 22 | 352 | | Safety Observation |
| Training for ITI student | 139 | 1112 | | - 27115 |
| Total | 178183 | 313994 | | |

Safety Initiatives



- Human Risk Reduction by using Technology (Pilot Project 02)
- L1 Training for 33kV PSS operation Staff. (Business Associates 2300 Manpower)
- ✤ Felt leadership training for Middle management. (ESO&SDO 259)

- Development of infrastructure and provisions for mandatory safety equipment.
- Development of Practice Yard for meter installation practices training.
- Inclusion of Equipments (RMUs, Sectionalizers, PTs, etc.) at HOTT in Circles.



- Implementation of LOTO system for 33Kv System and 11KV System in PSS.
- Step Change, Horizontal Deployment & New Initiatives.













Public Safety Awareness Initiatives



Dedicated WhatsApp Contact Number for reporting of unsafe action by public



Rewarded to Public for unsafe act reporting



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Crush Helmet Rewarded to Public for encouraging safety



Awareness campaign at school



Public safety awareness Street play program



Awareness campaign to students





IT HIGHLIGHTS

IT Applications

Operation

- FCC App
- A1 Notifications

- Suraksha Kawach
- Suraksha Prahari
- SAP FIORI on Mobile(Material Reservation & Notification processing)

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| C App Home Page | Tickets raised thru Call centre-CRM or FDC App | Notification from CRM | Dashboard : Status - view & updated |

Commercial

- OCR Enabled SBM Billing
- MMG Mobile App
- DO(Disconnection Order) App
- My TATA Power App
- Consumer feedback platform
- Integrated Mo-Bidyut Platform



- BAMS (Business Associate Management System)
- Achiever Portal
- Aagman Portal
- Connect2Resolve Portal
- PTL (Permit to Leave) Portal





Digital Workspace Suit (DWS)

DAK management process launched on1st August 2023

Document scanning in progress at Rourkela Circle, RSED & RED Rourkela Divisions Till date more than 11 lacs pages have been scanned from 14315 files

Usage statistics

Correspondences In warded – 2508, Files created – 327. Major usage is at corporate office with 1500+ correspondence created followed by SED and BED **CEO Processing 1st live case**



Members joined virtually for Go-Live

Extensive **user training** covering 280 offices and 1000+ employees

67 employees selected from various departments as Master Trainers cum DWS Champions **18+ processes to be mapped** under DWS project.

Final UAT of Generic approval process is completed and will be live in January 2024..

Supporting Go Green Our efforts is saving approx. 10 Lacs pages each month that reflects potential conservation of around 120 trees per month.



At Rourkela Circle





HR & IR HIGHLIGHTS

Employee Engagement : Ullas 2023







Employee Engagement : Grand Annual Athletics Meet 2023



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TPWØDL





Campus Recruitment & Learning & Development Initiatives





CAMPUS RECRUITMENT of GETs and DETs : To create several Job Opportunities within State Domicile



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2 days Certification program on "Strategic Communication" 1 day Training program on "Regulatory & Grid Code" 2 days Safety Improvement program focusing on "FELT Leadership & Suraksha Sambad"

NDRF – FAMEX & Community Awareness program on Disaster Management.

| | Industrial Relation (IR) Initiatives |
|----|---|
| 01 | Project Udaan : for the upgradation of technical, safety and behavioral knowledge of the outsource contract employees. |
| 02 | Regularization of Outsourced Manpower : regularization of technically qualified & experienced outsourced employees through a designed process for the post of Operation Trainee. A total of 128 candidates have been selected & joined TPWODL in this process. |
| 03 | Reward & Recognition : R&R sessions are organized on regular basis by the TPWODL management for their BA employees. In FY-24, 352 BA employees were awarded R&R. |
| 04 | Vendors Meet : Organized BAs & Management Meet on periodical basis to give awareness regarding applicable rules & acts for development of BAs & Statutory Compliances for TPWODL. |
| 05 | Statutory Compliances for BA Employees : a) Payment of minimum wages b) Timely disbursement of monthly salary c) Monthly contribution of EPF & ESIC d) BA Employees accidental policy e) Payment of bonus & Leave encashment. |





STRATEGIC INITIATIVE HIGHLIGHTS

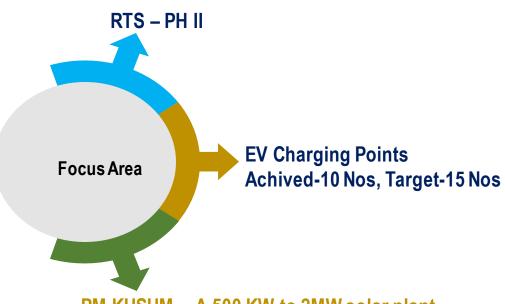
Green Energy Initiatives – Go Green

ROOF TOP SOLAR (RTS) ACHIEVEMENTS

ROOF TOP SOLAR (RTS) TARGET

| FY | No. of Projects | Capacity(KW) |
|------------|-----------------|--------------|
| 2020-21 | 11 | 166.23 |
| 2021-22 | 20 | 645.67 |
| 2022-23 | 107 | 1473.71 |
| 2023-24 H1 | 82 | 1202.26 |

| RTS FY Wise TARGET (In MW) | | | |
|----------------------------|--|--|--|
| Capacity(MW) | | | |
| 3.00 | | | |
| 6.00 | | | |
| 10.00 | | | |
| 12.00 | | | |
| | | | |



PM KUSUM – A 500 KW to 2MW solar plant PMKSUM C- Individual Pump Solarisation PM KUSUM – Scheme C (Feeder Solarization)



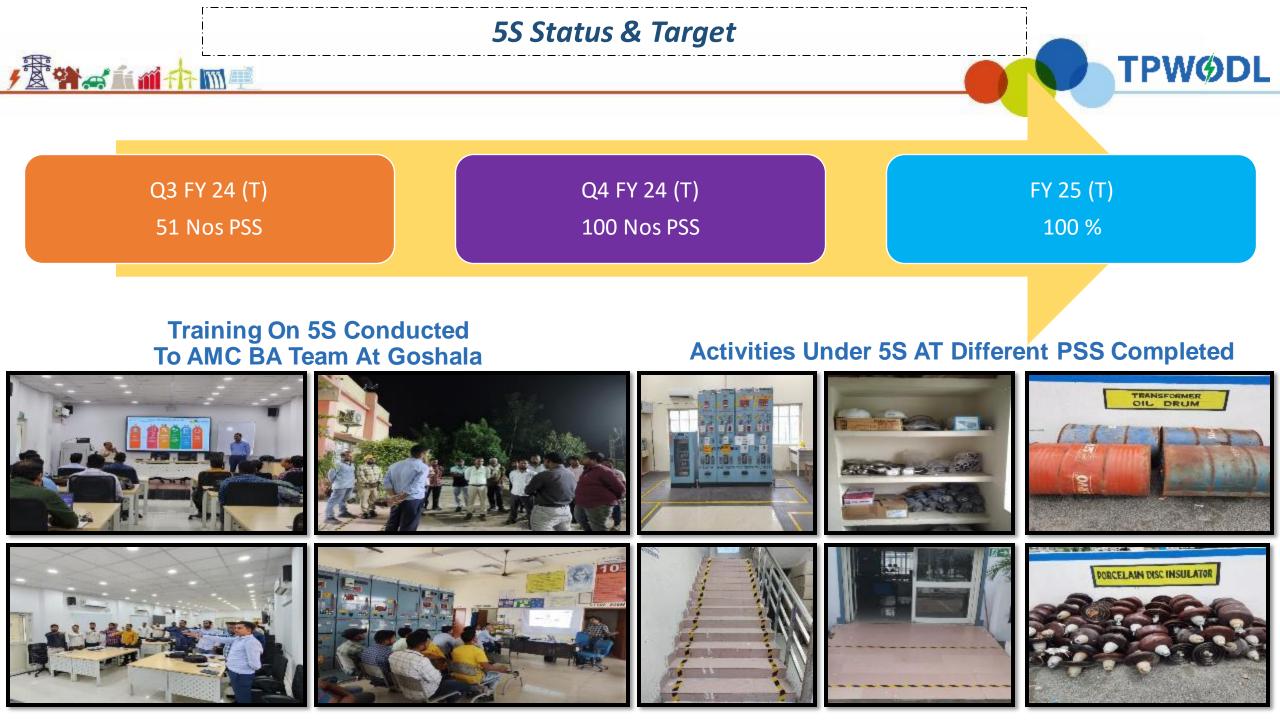
The targets are set up to FY 26 based on MNRE direction. If the scheme is extended, further targets can be set.

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| | | IPS (no of Pumps) | capacity in MW | Feeder Solarisation(no of Pumps) | capacity in MW |
|----|------|-----------------------|-------------------|---|-------------------|
| 2 | FY23 | 1000 | 4.5 | 1500 | 6.75 |
| | FY24 | 19000 | 85.5 | 3500 | 15.75 |
| 53 | FY25 | 17400 | 78.3 | 4600 | 20.7 |
| | FY26 | 18000 | 81 | 4000 | 18 |
| 2 | | 54400 | 244.8 | 13600 | 61.2 |



Green Power Sold-702.9 MU (Till Oct-23 FY 24)







CSR HIGHLIGHTS

CSR – Continued Focus on 4Es with focus on scaling up Flagship Initiatives

Continued Focus on 4Es

Mar í í í 🕂 🕅 🖳





Education





Entrepreneurship

Essential Enablers

Employability &

Employment

Vision to Impact 5 Lakh People Cumulatively by FY27

Standardize, Institutionalize and Scale Flagships

Pay Autention

Creating nation wide physical 'Autism Support Network' & champions in association with Govt. facilities & early intervention centers

Anokha Dhaaga

Scaling upskilling & livelihoods ecosystem for SHGs (agri & non-agri) – capacity-building, forward & backward linkages with circular economy/sustainable sourcing

Adhikaar 2.0

Enabling community right to digital, financial literacy; furthering access to Govt. welfare & social security services through Digital Kendras

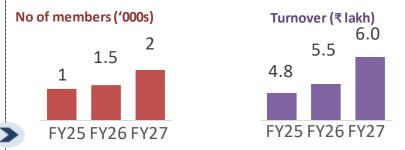
Club Enerji

Scale up conservation-education to reach maximum schools across TPWODL's operational areas (9 districts) – to reach over 1 Lakh students by FY27 (*Ensuring uniformity with Tata Power's Club Enerji initiatives*)

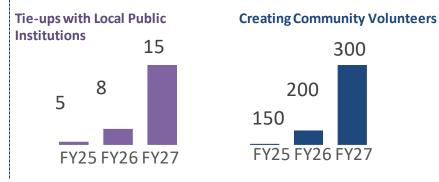
Driving flagships

Anokha Dhaaga working with Women, SHGs, FPOs

TPWØDL



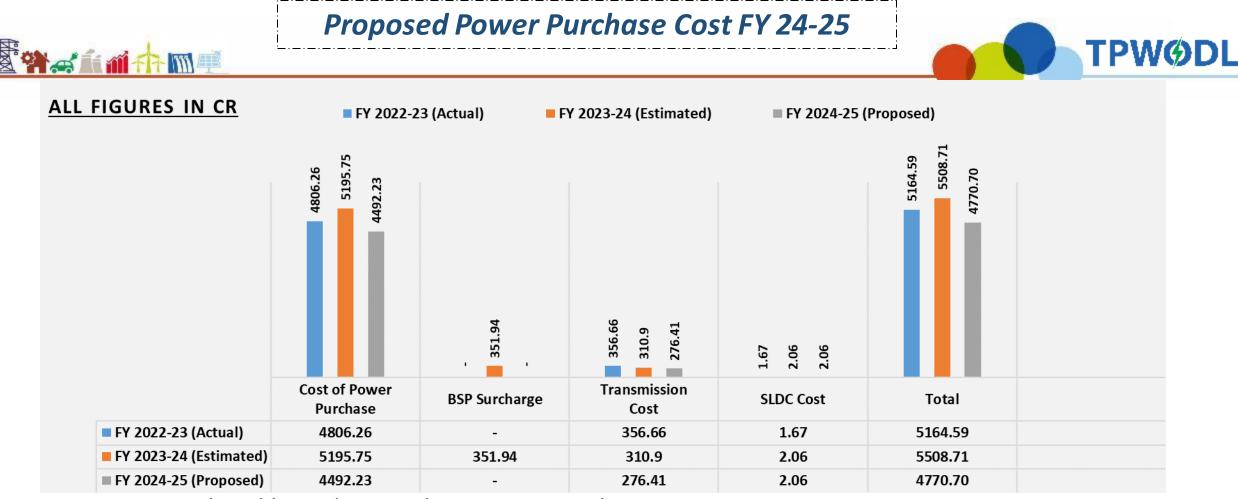
Scaling up through Change Agents



Major focus will be for collaborative initiatives with the District Administration in the 3 Aspirational Districts

Disclaimer: The contents of this presentation are private & confidential. Please do not duplicate, circulate or distribute without prior permission.

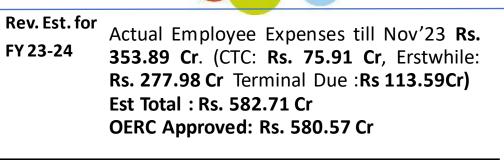




- For FY 2023-24, the additional BSP surcharge is estimated as Rs. 352 Cr.
- For the year FY 2024-25, energy input of 11524 MU has been estimated based on the estimated sale of 9614 MU and Distribution loss of 16.57%.
- During the ensuing year FY 2024-25 power purchase cost has been estimated without BSP Surcharge & without TPA at Rs 4770.69 Crores with BSP @390 paise p.u, Transmission charges @24 paise p.u and SLDC charges @Rs 17.138 Lakhs per month.



| SI No | Particulars | Erstwhile Total (Rs. Cr.) | CTC Total (Rs. Cr.) | Total FY 24- 25 (Rs Cr) | |
|-------|---|------------------------------|------------------------|----------------------------|----------|
| 1 | Basic Pay | 125.44 | 57.97 | 183.41 | |
| 2 | Grade Pay | 123.44 | 57.57 | 105.41 | |
| 3 | Dearness Allowance | 66.48 | 0.00 | 66.48 | |
| 4 | Reimbursement of House Rent | 22.58 | 12.30 | 34.88 | _ |
| 5 | Other Allowance | 5.46 | 31.71 | 37.17 | |
| 6 | Arrear of 7th Pay Commission including pension | | | | |
| 7 | Subtotal (1 to 6) | 219.97 | 101.97 | 321.94 | (|
| 8 | Contractual Obligation | 21.15 | 0.00 | 21.15 | Ē |
| 9 | Outsource Obligation for Grid and S/S manning (maintenance, watch & ward) | 22.55 | 0.00 | 22.55 | 6 |
| 10 | Other staff Cost (LTA, Medical exp., Incentive, Misc) | 43.38 | 41.47 | 84.85 | ļ |
| 11 | Total additional Employee cost(8 to 10) | 87.09 | 41.47 | 128.56 | ł |
| 12 | Staff Welfare Expenses | 13.83 | 4.68 | 18.51 | (|
| 13 | Terminal Benefits (Pension) | 136.98 | 0.00 | 136.98 | (|
| 14 | Terminal Benefits (Gratuity, Rehabilitation & Unutilised leave) | 18.14 | 2.46 | 20.60 | <u>(</u> |
| 15 | Total cost of Terminal Benefits, Gratuity, welfare Exp.) | 168.95 | 7.14 | 176.09 | |
| 16 | Total (7+11+15) | 476.00 | 150.59 | 626.59 | |
| 17 | Less:-Employee cost Capitalised | 15.26 | 4.83 | 20.09 | |
| 18 | Net Employee Cost | 460.74 | 145.76 | 606.50 | |



| Particulars | | FY 24-25 | |
|--|------|-----------|---------|
| Particulars | СТС | Erstwhile | Total |
| Opening strength | 1518 | 1887 | 3405 |
| Employees added | 330 | 0 | 330 |
| Employees retd./expired/resigned | 0 | 55 | 55 |
| Total Manpower | 1848 | 1832 | 3680 |
| Average Strength | 1683 | 1860 | 3543 |
| Approved No. of Employees per 1k consumers | | | 1.4 |
| Consumer Strength (incl. TD & PD) | | | 2518141 |

ASSUMPTION -

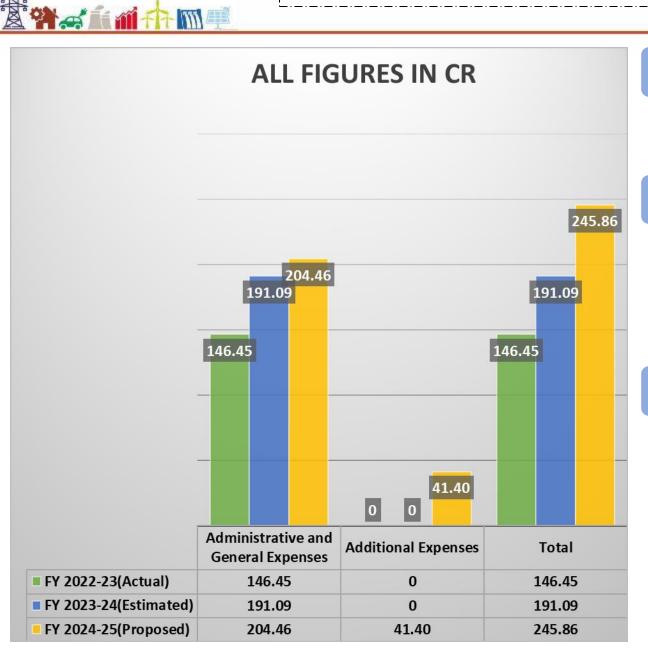
• Emp. Exp.- Erstwhile employees considered @ 3% hike & CTC around 9% over FY 23-24 as per industry norms.



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Proposed A&G Expenses FY 24-25





A&G Expenses for FY 23-24

- Proposed Rs. 191.09 Cr
- Actual A&G Expenses (Up to Nov'23) Rs. 131.42 Cr
- Approved Rs. 158.12 Cr

Proposed A&G Expenses for FY 24-25

- With escalation of **7%** on estimated A&G of FY 23-24, accordingly A&G for FY 24-25 projected as **Rs. 204.46 Cr.**
- Further Rs. 41.40 Cr. Addnl. Expenses due to different revenue improvement initiatives.
- Hence, total A&G proposed for FY 24-25 is **Rs. 245.87 Cr** may kindly be approved.

Major Initiatives planned in FY 24-25

- Call Centre Rs. 3.84 Cr
- GIS, SCADA, Communication, OT, Data Charges Rs. 14.19 Cr.
- IT Automation Rs. 5.65 Cr.
- Meter replacement (recurring cost) Rs. 3.22 Cr.
- Loss Reduction Rs. 4.34 Cr.
- Energy Police Station Rs. 5.06 Cr.
- Energy Audit Rs. 0.05 Cr.
- Enforcement Activities Rs. 5.50 Cr

Total Additional A&G Cost – Rs. 41.40 Cr.

Proposed R&M Expenses FY 24-25



| 愛 ? | | | | | | | | FPW@D |
|------------|-----------------------------------|-----------------------------|-----------------------------------|----------------------------------|----------------------|--------------------------------|---------|--------------|
| SI. No | Particulars | | Current Year (23-24) (Rs. Cr.) | Ensuing Year (24-25) (Rs. Cr) | <u>Asset Details</u> | | | |
| 1 | Civil repairs & ma | aintenance | 0.24 | 0.30 | Partic | ulars N | /lar-23 | Mar-24 |
| 2 | Distribution line ((Material) | repairs & maintenance | 7.01 | 7.79 | Assets out of Cons | umer 1: | 147.90 | 1265.20 |
| 3 | 33 KV Network as | sset AMC | 26.12 | 43.77 | Contribution | _ | | |
| 4 | 11 KV & below N | etwork assets AMC | 106.33 | 133.40 | Grant Assets | 4 | 79.86 | 636.61 |
| 5 | Consumer Servic | e Maintenance | 14.14 | 14.85 | Own Inherited Ass | ets 8 | 68.08 | 868.08 |
| 6 | Substation opera | tions & maintenance | 42.95 | 51.21 | Own CAPEX Assets | 5 | 00.00 | 1137.00 |
| | Street Light main | tenance | 0.27 | 0.29 | Total GFA (Own As | ssets) 29 | 995.85 | 3906.89 |
| 7 | Transformer mai | ntenance | 16.99 | 15.26 | | | | |
| 8 | Other repairs & n | naintenance | 7.00 | 7.65 | Name of | Mar-23 (Rs. Cr.) | Mar | 24 (Rs. Cr.) |
| 9 | | kV & 11 kV river crossing & | 60.94 | 62.35 | Scheme | . , | | . , |
| | forest area Towe | , | | | ODSSP (I, II & III) | 899.45 | | 1143.53 |
| | | TOTAL | 281.99 | 336.86 | ODSSP (IV) | 29.87 | | 491.12 |
| | | Pro | posed FY 24-25 | | DDUGJY New | 293.39 | | 293.39 |
| | Dorticulore | FIO | poseu ri 24-25 | | IPDS | 223.11 | | 223.11 |
| | Particulars | Own Assets | Govt. (Funded | I/Grant) Assets | DDUGJY (PGCIL) | 685.37 | | 685.37 |
| | | | • | | DDUGJY (NTPC) | 1442.63 | 1 | 1442.63 |
| Total | GFA as | on 3906.89 | 435 | 9.15 | RLTAP | 80.00 | | 80.00 |
| 01.04. | .2024 (Rs. Cr.) | 5500.05 | -55 | | Total | 3653.82 | | 4359.15 |
| Norma | ative Rate | 4.20% | 3 | % | | | | |
| R&M o | on GFA (Rs. Cr.) | 164.09 | 130 | 0.77 | | penses of <u>Rs. 42 Cr.</u> to | o be | 4 |
| | R&M (Rs. Cr.) | | 294.86 | | claimed for FY 2 | 24-25 | | |
| | | | | | | | | |

Provision for bad and doubtful debts

As per Regulation Bad and Doubtful debt during the control period is permitted on normative basis @ 1% of the total annual revenue billed . The licensee has proposed the same as provisions for bad and doubtful debts amounting to Rs 57.51 Cr.

Provision for Depreciation

Depreciation has been provided on the assets to be capitalized during the ensuing year excluding dep on consumer contribution assets. **Depreciation on old assets @ pre-92 rate & on TPWODL assets as per new regulation.**

| Description (Rs. Cr) | FY 2022-23 | FY 2023-24 | FY 2024-25 |
|--------------------------------------|------------|-------------|------------|
| | (Actual) | (Estimated) | (Proposed) |
| Provision for bad and doubtful debts | 129.41 | 62.83 | 57.51 |

| Description (Rs. Cr) | FY 2022-23 | FY 2023-24 | FY 2024-25 |
|-------------------------------|------------|-------------|------------|
| | (Actual) | (Estimated) | (Proposed) |
| Provision for depreciation | 44.27 | 91.58 | 125.98 |

| Items | Pre-92 | As per New Regulation |
|----------------|--------|--------------------------|
| Land | 0% | 0% |
| Buildings | 1.80% | 3.34% |
| Network assets | 3.80% | 4.67% |
| Overhead lines | 3.80% | 4.67% |
| F&F | 4.55% | 6.33% |
| Vehicles | 12.86% | 9.50% |
| O/E | 9.00% | 6.33% |
| O&E-Computer | 9.00% | 15.00% |
| Software | | 30.00% |



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Proposed Interest Expenses FY 24-25



| Description (Rs. Cr.) | FY 23-24 (Estimated) | FY 24-25 (Proposed) |
|---|-------------------------|------------------------|
| Interest on Loan for Capex | 23.42 | 45.10 |
| Interest on Loan for Working Capital | 60.57 | 67.12 |
| Interest on Security Deposit | 78.18 | 85.89 |
| Total Interest for ARR | 162.17 | 198.11 |

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| Particulars (Rs. Cr.) | FY 2024-25 |
|---|------------|
| O&M Expenses (Emp & A&G) | 852.36 |
| O&M Expenses for 1 month (a) | 71.03 |
| Power purchase Cost | 4,770.69 |
| Power Purchase for 1 month (b) | 397.56 |
| R&M Expenses | 336.86 |
| Maintenance spares @ 20% of R&M for 1 month (c) | 5.61 |
| Total Working Capital (a+b+c) | 474.20 |
| Rate of Interest for Working Capital | 13.10% |
| Interest on Working Capital | 62.12 |
| Other borrowing interest | 5.00 |
| Total Interest on Working Capital & Other Borrowing | 67.12 |

| CA | PEY | |
|-----|-----|--|
| Int | EA | |

Proposed Rate of Interest @ 11.6% p.a. (SBI Base Rate + 1.5%)

- Capex Loan till Nov-23 (HDFC & Canara Bank) Rs. 275 Cr.
- Capex Loan esmt. (Dec-23 to Mar-24) Rs. 81.66 Cr.
- Proposed Addnl. CAPEX Loan during FY 24-25 Rs. 350 Cr. with Interest @11.60%.
- Proposed interest on Capex Loan FY 24-25 Rs 45.10 Cr.



Proposed Rate of Interest 13.1% p.a. (SBI Base Rate + 300 basis points)

• Proposed WC is **Rs 474.20 Cr** (O&M- and Power purchase cost 1 month, R&M 20% of monthly Average).



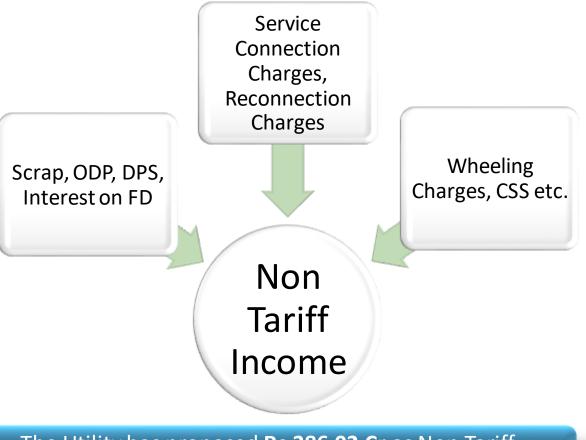
- Interest on security deposit @6.75% on balance of FY-24 and addition during the ensuing year
- Opening Balance as on Mar-24 is estimated as Rs.1240 Cr Proposed SD as on March-25 is Rs 1305 Cr.



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| Particulars | UoM | FY 24-25 (Proposed) |
|--------------------------------------|--------|------------------------|
| Rebate on Power Purchase | Rs. Cr | 66.52 |
| Supervision Charges | Rs. Cr | 20.00 |
| Interest on FD | Rs. Cr | 80.00 |
| Open Access Charges (CSS & Wheeling) | Rs. Cr | 180.00 |
| Misc. Receipt | Rs. Cr | 10.00 |
| ODP | Rs. Cr | 10.00 |
| DPS | Rs. Cr | 9.50 |
| Other incl. Scrap | Rs. Cr | 10.00 |
| Total | Rs. Cr | 386.02 |

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 The Utility has proposed Rs 386.02 Cr as Non Tariff Income for the ensuing year FY 2024-25.

Increase in Bulk Supply Price



Rate of supply of procured electricity by Aggregator company to DISCOMs for distribution

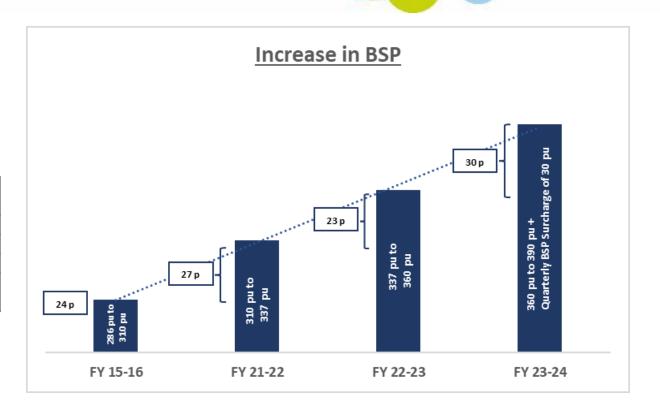
| Financial Year | Increase | Remarks |
|-------------------|----------|--|
| FY 15-16 | 24 paise | 286 p/u to 310 p/u |
| FY 21-22 | 27 paise | Increased to 337 p/u |
| FY 22-23 | 23 paise | 337 p/u to 360 p/u |
| FY 23-24 | 30 paise | 360 p/u to 390 p/u +BSP surcharge of 30 p/u to be paid quarterly |

Retail Supply Tariff (RST) - DISCOMS

Rate of provision of electricity to retail consumers by DISCOMs

| Financial Year | Increase |
|----------------|----------|
| FY 15-16 | 20 paise |
| FY 17-18 | 10 paise |
| FY 21-22 | 50 paise |

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- Bulk supply Price has been revised by the Hon'ble OERC by almost 40% over the last 10 years as compared to the Retail Supply Tariffs.
- 2) Further increase in BSP will create a Revenue Gap for the DISCOMs and will affect the financial health of the DISCOMs thereby affecting the consumers of the state.