**Part B: Status of Capital Expenditure Schemes having 'In-principle clearances' and where work is in progress (From 1st October 2025 to 31st March 2026)** **Annexure 2**

| Sr. | Name of the Scheme | Nature of Work | MERC Approval No | MERC Approval date | FY of Approval | FY | Phasing of Cap. as Approved by MERC (Rs. Crore) | Phasing of Captz as approved by MERC (Rs. Crore) | Actual Capex Incurred (Rs. Crore) | Actual Capitz. (Rs. Crore) | Scope of Work approved by the Commission. | Scope of work completed by TPC-T | Cost benefit Analysis/ Benefits achieved. | Reasons for delay /cost overrun if any / Remark | Expected FY of Completion |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Installation of 220 kV, 1X125 MVAr reactor at Trombay | Installation of Reactor | MERC/Capex/TPC-T/2023-24/0194 | 25th April, 2023 | 2024 | 2023-24 | 26.59 | 26.59 | 3.4 | 0 | Supply & installation of 220 kV, 1 X 125 MVAr Reactor with associated equipment and necessary Civil Work at TPC-T's 220 kV Trombay Receiving Station. | New Hitachi make 220 kV, 125 MVAr Reactor at Trombay RSS had been successfully test charged and taken into load service on 2nd July, 2025.<br>Balance works related to civil, PAC and equipment associated with Reactor have been completed in Q4 FY 2025-26.<br><br>**Scheme is Technically and Financially closed. Scheme completion report is being submitted along with this submission.** | 1. With the installation of the reactor at Trombay, reactive power flow has been minimized to a practical minimum level, thereby reducing $I^2R$ losses. This has enhanced the efficiency of the transmission system for active power transfer.<br>2. The system-connected equipment and LT equipment of consumers have been operating at rated and safe design voltage levels. As a result, these have not been subjected to additional electrical stress and have achieved an enhanced useful life. It has also improved the performance of LT equipment. Further, complaints of consumer equipment failure due to high voltage have been avoided. | **Reason for Cost Overrun:** There is a marginally cost over-run of only Rs. 05 lakhs. The justification of the cost over-run is shown in Annexure 06.<br>**Reason for Time Overrun:** The extended delay of ~ 8 months in commissioning of the 125 MVAr, 220 kV Variable Shunt Reactor at Tata Power's Trombay Substation occurred primarily due to a combination of interrelated factors, largely beyond direct control of Tata Power and OEM (Hitachi Energy). Global supply-chain disruptions and unprecedented demand led to delayed availability of critical imported components such as RIP bushings and vacuum tap changers, with deliveries shifting by approximately 2–3 months from the original plan. In parallel, tank manufacturers were heavily overbooked due to high nationwide demand for transformers and reactors, resulting in their inability to meet committed schedules and necessitating a change in tank vendor, which required approval and rescheduling. Additionally, following Tata Power's request for preponement of deliveries, manufacturing resources and critical materials were prioritized for the Mahalaxmi VSR to meet urgent grid requirements, causing a cascading impact and further shifting the Trombay reactor tank readiness. Challenges at the tank supplier's end extended the fabrication and inspection cycle, and the Final Inspection for the Trombay VSR could only commence once these issues stabilized. Collectively, these factors caused deferred dispatch, subsequent delivery, followed by its erection, testing and commissioning on 2nd July, 2025. | FY 2025-26 |
| | | | | | | 2024-25 | - | - | 5.53 | 0 | | | | | |
| | | | | | | H1 2025-26 | - | - | 17.48 | 25.51 | | | | | |
| | | | | | | H2 2025-26 | - | - | 0.23 | 1.13 | | | | | |
| | | | | | | **Total** | **26.59** | **26.59** | **26.64** | **26.64** | | | | | |
| 2 | Installation of 220 kV, 1X125 MVAr reactor at Mahalaxmi | Installation of Reactor | MERC/Capex/TPC-T/2023-24/0196 | 25th April, 2023 | 2024 | 2023-24 | 24.18 | 24.18 | 2.00 | 0.00 | Supply & installation of 220 kV, 1 X 125 MVAr Reactor with associated equipment and necessary Civil Work at TPC-T's 220 kV Mahalaxmi Receiving Station. | New Hitachi make 220 kV, 125 MVAr Reactor at Trombay RSS had been successfully test charged and taken into load service on 26th March, 2025.<br>Balance works related to civil, PAC and equipment associated with Reactor have been completed in Q4 FY 2025-26.<br><br>**Scheme is Technically and Financially closed. Scheme completion report is being submitted along with this submission.** | 1. With the installation of the reactor at Mahalaxmi, reactive power flow has been minimized to a practical minimum level, thereby reducing $I^2R$ losses. This has enhanced the efficiency of the transmission system for active power transfer.<br>2. The system-connected equipment and LT equipment of consumers have been operating at rated and safe design voltage levels. As a result, these have not been subjected to additional electrical stress and have achieved an enhanced useful life. It has also improved the performance of LT equipment. Further, complaints of consumer equipment failure due to high voltage have been avoided. | **Reason for Time Overrun:** The extended delay of ~ 5 months in commissioning of the 125 MVAr, 220 kV Variable Shunt Reactor at Tata Power's Mahalaxmi Substation occurred primarily due to a combination of interrelated factors, largely beyond direct control of Tata Power and OEM (Hitachi Energy) as communicated by OEM. Global supply-chain disruptions and unprecedented demand led to delayed availability of critical imported components such as RIP bushings and vacuum tap changers, with deliveries shifting by approximately 2–3 months from the original plan. In parallel, tank manufacturers were heavily overbooked due to high nationwide demand for transformers and reactors, resulting in their inability to meet committed schedules and necessitating a change in tank vendor, which required approval and rescheduling. These factors affected manufacturing readiness despite timely engineering completion and drawing approvals. In addition, the congested Mahalaxmi site posed challenges due to inadequate turning radius and the need for statutory approvals from BMC and Mumbai RTO for road-divider modification. Collectively, these factors caused deferred dispatch, subsequent delivery. However, with coordinated efforts, mitigation measures such as airlifting bushings, close vendor monitoring, and strong site support enabled successful | FY 2025-26 |
| | | | | | | 2024-25 | - | - | 22.12 | 23.90 | | | | | |
| | | | | | | H1 2025-26 | - | - | -0.11 | 0.10 | | | | | |
| | | | | | | H2 2025-26 | - | - | -0.02 | -0.01 | | | | | |
| | | | | | | **Total** | **24.18** | **24.2** | **23.99** | **23.99** | | | | | |
| 3 | Upgradation of 110 kV Parel Mahalaxmi 1 cable by replacing oil filled cable with 110 kV XLPE cable | Cable replacement | MERC/Capex/TPC-T/2023-24/0252 | 29th May, 2023 | 2024 | 2023-24 | 45.77 | - | 39.23 | 0 | 1. Procurement of 110 kV, Single Core, 1600 sqmm XLPE Copper cable and associated cable accessories (including terminations, joints, link boxes etc.)<br>2. Cable Laying and jointing of EHV cable.<br>3. Termination of EHV cable at Parel RSS end and Mahalaxmi RSS end.<br>4. Procurement, installation and commissioning of 96 core Fiber optic cable with accessories.<br>5. Micro-tunnelling work at Central Railway crossing.<br>6. Procurement, Installation and commissioning of Distributed 7.Temperature system (DTS) for health monitoring of EHV cable.<br>8. Testing and commissioning of EHV Cable system. | New Sterlite make 110 kV Parel - Mahalaxmi Cable No. 1 (1600 Sqmm, XLPE Cu) has been successfully test-charged and taken into load service on 26th March, 2025.<br>Circuit Km. augmented in the system: **2.131 ckt. km** (4.981 new cable - 2.85 earlier cable).<br>Balance miscellaneous civil activities have been completed in H2 FY 2025-26.<br><br>**Scheme is Technically and Financially closed. Scheme completion report is being submitted along with this submission.** | 1. Assurance of reliable and uninterrupted power supply to consumers fed through Parel and Mahalaxmi RSS with 110 kV enhanced connectivity between Dharavi RSS – Mahalaxmi RSS – Parel RSS of Tata Power-T.<br>2. Enhanced power transmission capacity to allow expansion of additional load growth of around 120 MVA in future in the vicinity of Parel and Mahalaxmi area. The existing oil filled cable capacity is 75 MVA and the cable capacity of proposed XLPE cable is 195 MVA.<br>3. No dependency on foreign OEMs for repairs and imported spares of existing oil filled cables. Hence, saving in costlier imported spares<br>4. Avoidance of possible prolonged repair works in case of oil filled cable failure. It also prevents inconvenience to the community in the vicinity of the repair site.<br>5. Avoidance of soil & water contamination which would happen in existing aged oil filled cable due to oil leakage.<br>6. Installation of Distributed temperature system (DTS) has enabled real time health / condition monitoring of EHV cable. This system helps in detecting hotspots, delivering operational status and condition assessment of the EHV cable and | NA | FY 2025-26 |
| | | | | | | 2024-25 | 55.77 | - | 152.67 | 191.64 | | | | | |
| | | | | | | H1 2025-26 | 97.34 | 198.88 | 1.71 | 1.92 | | | | | |
| | | | | | | H2 2025-26 | - | - | - | 0.05 | | | | | |
| | | | | | | **Total** | **198.88** | **198.88** | **193.61** | **193.61** | | | | | |
| 4 | Establishment of 33 kV level at Karanjade Receiving Station | Addition of voltage level | MERC/Capex/TPC-T/2023-24/0251 | 29th May, 2023 | 2024 | 2023-24 | - | - | 1.41 | 0 | Procurement, installation, and commissioning of 220 kV GIS bays at existing 220 kV Karanjade Switching station<br><br>Procurement, installation, and commissioning of 1 x 125 MVA, 220/33 kV Power transformer with Neutral Grounding Resistors (NGR) and 1 x 125 MVA, 110/33 kV Power transformer with NGR. | 1. 33 kV New GIS Building comprising of Siemens make 16 GIS Bays (including 4 PTs) at Karanjade have been successfully test-charged and commissioned on 22nd March, 2025.<br>2. New TBEA make 220 / 33 kV, 125 MVA Power Transformer at Karanjade RSS has been successfully test charged and taken into load service on 20th December, 2025.<br>3. Subsequently, another new TBEA make 110 / 33 kV, 125 MVA Power Transformer at Karanjade RSS has been successfully test charged and taken into load service on 2nd February, 2026.<br><br>Balance miscellaneous civil activities are in progress and will be completed by Q1 FY 2026-27. | Will be submitted along with completion report | **Reason for Cost overrun:** Cost of Power Transformer derived through open tendering is at Rs 35 Crore as against approved cost of Rs 15 Crore (The transformer cost approved in DPR is based on the old transfromer POs for Antop Hill RSS and Kurla RSS of year 2020 and 2018 respectively).<br>The detailed justification towards estimated cost-overrun in this DPR had been submitted to Hon'ble Commission vide letter dated 8th March, 2024.<br>**Reason for Time overrun:** The delay of 15 months was mainly due to delay in EHV transformer bushings imported from GE (Passoni Villa, Italy) having long lead time. Further the ongoing market scenario had created significant procurement challenges for power transformers and reactors. Rising demand, supply chain disruptions, and raw material shortages especially the acute shortage of Cold-Rolled Grain-Oriented (CRGO) steel, along with limited supplies of bushings and sensors collectively led to extended manufacturing lead times, thereby leading to delay in delivery and subsequent commissioning of both transformers. | FY 2025-26 |
| | | | | | | 2024-25 | 65.7 | 65.7 | 35.28 | 36.45 | | | | | |
| | | | | | | H1 2025-26 | - | - | 3.69 | 0 | | | | | |
| | | | | | | H2 2025-26 | - | - | 32.72 | 35.55 | | | | | |
| | | | | | | **Total** | **65.70** | **65.70** | **73.10** | **72.00** | | | | | |

**Part B: Status of Capital Expenditure Schemes having 'In-principle clearances' and where work is in progress (From 1st October 2025 to 31st March 2026)**

**Annexure 2**

| Sr. | Name of the Scheme | Nature of Work | MERC Approval No | MERC Approval date | FY of Approval | FY | Phasing of Cap. as Approved by MERC (Rs. Crore) | Phasing of Captz as approved by MERC (Rs. Crore) | Actual Capex Incurred (Rs. Crore) | Actual Capitz. (Rs. Crore) | Scope of Work approved by the Commission. | Scope of work completed by TPC-T | Cost benefit Analysis/ Benefits achieved. | Reasons for delay /cost overrun if any / Remark | Expected FY of Completion |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | Upgradation of 22 kV AIS with GIS at Kalyan RSS | Replacement of AIS by GIS | MERC/Capex/TPC-T/2024-25/0301 | 17th May, 2024 | 2025 | 2024-25 | 10.35 | 0 | 30.74 | 30.23 | 1. Supply , installation, and commissioning of 33 kV class GIS bays along with Bay Control & Protection Unjt system (BCPU).<br>2. HT Cable diversion due to change in switchgear location.<br>3. Integration of Gateway ,Database modification, testing with existing Centralized SCADA system.<br>4. Installation of MVWS and Fire Protection System.<br>5. Dismantling of existing 22kV outdoor switchyard.<br>6. Construction of building for housing new 33 kV class GIS. | 33 kV New GIS Building comprising of Siemens make 35 GIS Bays (including 6 PTs) at Kalyan have been successfully taken in service on 28th March, 2025.<br><br>Balance miscellaneous civil activities are in progress and will be completed by Q1 FY 2026-27. | Will be submitted along with completion report | NA | FY 2025-26 |
| | | | | | | H1 2025-26 | 22.68 | 33.03 | 0.71 | - | | | | | |
| | | | | | | H2 2025-26 | - | - | 1.41 | 2.22 | | | | | |
| | | | | | | **Total** | **33.03** | **33.03** | **32.86** | **32.45** | | | | | |
| 6 | Upgradation of 22 kV AIS with GIS at Vikhroli RSS | Replacement of AIS by GIS | MERC/Capex/TPC-T/2024-25/0486 | 7th August, 2024 | 2025 | 2024-25 | 27.83 | 0 | 9.39 | 0 | 1. Supply , installation, and commissioning of 33 kV class GIS bays along with Bay Control & Protection Unjt system (BCPU).<br>2. HT Cable diversion due to change in switchgear location.<br>3. Integration of Gateway ,Database modification, testing with existing Centralized SCADA system.<br>4. Laying of control cables, Metering, earthing system, and miscellaneous electrical requiements.<br>5. Diversion of existing AIS bays<br>6. Dismantling of existing 22kV AIS Bus 3 & 4. | 33 kV New GIS Building comprising of ABB make 44 GIS Bays (including 8 PTs) at Vikhroli have been successfully test-charged and taken in service on 28th June, 2025.<br><br>**Scheme is closed Technically and Financial Closure is in progress.** | Will be submitted along with completion report | NA | FY 2025-26 |
| | | | | | | H1 2025-26 | 9.06 | 36.89 | 22.54 | 30.82 | | | | | |
| | | | | | | H2 2025-26 | - | - | 1.99 | 3.1 | | | | | |
| | | | | | | **Total** | **36.89** | **36.89** | **33.92** | **33.92** | | | | | |
| 7 | Upgradation of 110 kV Parel - Grant Road cable by replacing 110 kV oil filled cable with higher capacity 220 kV XLPE cable | Upgradation of oil filled cable | MERC/Capex/TPC-T/2024-25/0581 | 20th september, 2024 | 2025 | 2024-25 | 80.89 | 0 | 42.28 | - | 1. Procurement, laying and commissioning of 220 kV, Single Core, 1600 sqmm XLPE Copper cable with associated cable accessories.<br>Procurement, laying and jointing of 110 kV, Single Core, 1600 sqmm XLPE Copper cable with accessories.<br>2. A straight joint will be made between 220kV and 110kV XLPE cable at Parel RSS and Grant Road RSS for termination of the cable in existing 110kV GIS bay.<br>3. 110 kV Termination of EHV cable at Parel RSS end and Grant Road end.<br>4. Procurement, installation and commissioning of 96 core Fiber optic cable with accessories. Quality is considered for 02 runs of fiber optic cable.<br>5. Micro-tunnelling work at Central Railway crossing at Byculla Market near south Monte (Old Khatav Mill).<br>6. Procurement, Installation and commissioning of Distributed Temperature system (DTS) with Optic fiber Cable for health monitoring of EHV cable.<br>7. Procurement, Installation and commissioning of Distribution Acoustic System (DAS) with Optic fiber Cable for immediately detecting & locating cable fault.<br>8. Testing and commissioning of EHV Cable system.<br>9. Reinstatement along cable route. | New KEI make 110 kV Parel - Grant Road Cable No. 1 (1600 Sqmm, XLPE Cu) has been successfully test-charged and taken into load service on 30th March, 2026.<br>Circuit Km. augmented in the system: **1.97 ckt. km** (7.2 new cable - 5.23 earlier cable).<br><br>Balance miscellaneous civil activities are in progress and will be completed by Q1 FY 2026-27. | Will be submitted along with completion report | NA | FY 2025-26 |
| | | | | | | H1 2025-26 | 119.57 | 0 | 63.21 | - | | | | | |
| | | | | | | H2 2025-26 | | | 128.4 | 233.42 | | | | | |
| | | | | | | 2026-27 | 57.9 | 258.36 | - | - | | | | | |
| | | | | | | **Total** | **258.36** | **258.36** | **233.89** | **233.42** | | | | | |
| 8 | Upgradation of 110 kV Carnac - Grant Road cable by replacing 110 kV oil filled cable with higher capacity 220 kV XLPE cable | Upgradation of oil filled cable | MERC/Capex/TPC-T/2024-25/0580 | 20th september, 2024 | 2025 | 2024-25 | 99.16 | - | 34.16 | - | 1. Procurement, laying and commissioning of 220 kV, Single Core, 1600 sqmm XLPE Copper cable with associated cable accessories.<br>Procurement, laying and jointing of 110 kV, Single Core, 1600 sqmm XLPE Copper cable with accessories.<br>2. A straight joint will be made between 220kV and 110kV XLPE cable at Carnac RSS and Grant Road RSS for termination of the cable in existing 110kV GIS bay.<br>3. 110 kV Termination of EHV cable at Carnac RSS end and Grant Road end.<br>4. Procurement, installation and commissioning of 96 core Fiber optic cable with accessories. Quality is considered for 02 runs of fiber optic cable.<br>5. Micro-tunnelling work at Central Railway crossing at Byculla Market near south Monte (Old Khatav Mill).<br>6. Procurement, Installation and commissioning of Distributed Temperature system (DTS) with Optic fiber Cable for health monitoring of EHV cable.<br>7. Procurement, Installation and commissioning of Distribution Acoustic System (DAS) with Optic fiber Cable for immediately detecting & locating cable fault.<br>8. Testing and commissioning of EHV Cable system.<br>9. Reinstatement along cable route. | New KEI make 110 kV Carnac - Grant Road Cable No. 1 (1600 Sqmm, XLPE Cu) has been successfully test-charged and taken into load service on 26th March, 2026.<br>Circuit Km. augmented in the system: **5.35 ckt. km** (8.95 new cable - 3.6 earlier cable).<br><br>Balance miscellaneous civil activities are in progress and will be completed by Q1 FY 2026-27. | Will be submitted along with completion report | NA | FY 2025-26 |
| | | | | | | H1 2025-26 | 244.05 | - | 164.78 | - | | | | | |
| | | | | | | H2 2025-26 | | | 179.92 | 378.49 | | | | | |
| | | | | | | 2026-27 | 76.34 | 419.55 | - | - | | | | | |
| | | | | | | **Total** | **419.55** | **419.55** | **378.86** | **378.49** | | | | | |

**Part B: Status of Capital Expenditure Schemes having 'In-principle clearances' and where work is in progress (From 1st October 2025 to 31st March 2026)**

**Annexure 2**

| Sr. | Name of the Scheme | Nature of Work | MERC Approval No | MERC Approval date | FY of Approval | FY | Phasing of Cap. as Approved by MERC (Rs. Crore) | Phasing of Captz as approved by MERC (Rs. Crore) | Actual Capex Incurred (Rs. Crore) | Actual Capitz. (Rs. Crore) | Scope of Work approved by the Commission. | Scope of work completed by TPC-T | Cost benefit Analysis/ Benefits achieved. | Reasons for delay /cost overrun if any / Remark | Expected FY of Completion |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Augmentation and strengthening of 220 kV South Mumbai Transmission Network by construction of additional 220 kV Dharavi - Mahalaxmi line | Addition of cable | MERC/Capex/TPC-T/2025-26/0267 | 5th May, 2025 | 2026 | H1 2025-26 | 3.07 | - | 8.16 | 0 | 1. Procurement of 220 kV, Single Core, 1600 sqmm XLPe Copper cable & associated cable accessories (including terminations, joints, link boxes etc.) and Cable Laying and jointing of EHV cable with Termination of EHV cable at 220 kV Dharavi and Mahalaxmi RSS end.<br>2. Procurement, installation and commissioning of 96 core Fiber optic cable with accessories.<br>3. Micro-tunnelling work for Railway crossing.<br>4. Procurement, Installation and commissioning of Distributed Temperature system (DTS) for health monitoring of EHV cable.<br>5. Testing and commissioning of EHV Cable system.<br>6. Procurement, installation, & commissioning of 1x125 MVAR, 220 kV Variable Shunt Reactor with online monitoring system at 220 kV Dharavi RSS along with A-Eberle relay for online control from SCADA.<br>7. Procurement, installation and commissioning of Prewired Protection, automation and communication (PAC) panels comprising of supervisory control & condition monitoring system for Reactor at Dharavi.<br>8. Procurement, Installation and Commissioning of Fire Protection and Fire detection system for proposed reactor at 220 kV Dharavi RSS<br>9. Procurement, installation and commissioning of GIS bays. | Major POs regarding cable package and 125 MVAr reactor have been issued.<br>Trenching excavation and cable laying works are in progress at multiple locations. Reactor foundation work is in progress at Dharavi substation.<br>Follow-ups & Payment for demand notes to MCGM for reinstatement charges are in progress. | Will be submitted along with completion report | NA | FY 2026-27 |
| | | | | | | H2 2025-26 | | | 240.94 | - | | | | | |
| | | | | | | 2026-27 | 256.2 | | - | - | | | | | |
| | | | | | | 2027-28 | 85.52 | 344.79 | - | - | | | | | |
| | | | | | | **Total** | **344.79** | **344.79** | **249.1** | **0** | | | | | |
| 10 | Augmentation and strengthening of 220 kV South Mumbai Transmission Network by construction of additional 220 kV Mahalaxmi - Backbay line | Addition of cable | MERC/Capex/TPC-T/2025-26/0266 | 5th May, 2025 | 2026 | H1 2025-26 | 6.17 | - | 0.64 | 0 | 1. Procurement of 220 kV, Single Core, 1600 sqmm XLPE Copper cable & associated cable accessories (including terminations, joints, link boxes etc.) and Cable Laying and jointing of EHV cable with Termination of EHV cable at Mahalaxmi RSS and Backbay end.<br>2. Procurement, installation and commissioning of 96 core Fiber optic cable with accessories.<br>3. Micro-tunnelling work for Railway crossing.<br>4. Procurement, Installation and commissioning of Distributed Temperature system (DTS) for health monitoring of EHV cable.<br>5. Testing and commissioning of EHV Cable system.<br>6. Procurement, installation and commissioning of GIS bays<br>7. Procurement, installation and commissioning of protection, SCADA and communication systems with control cables for 220 kV GIS bays at Mahalaxmi and Backbay RSS.<br>8. Procurement, installation and commissioning of 220 kV Busbar protection bay units at Mahalaxmi and Backbay RSS. | Major POs regarding cable package have been issued.<br>Trenching excavation and cable laying works are in progress at multiple locations.<br>Follow-ups & Payment for demand notes to MCGM for reinstatement charges are in progress. | Will be submitted along with completion report | NA | FY 2026-27 |
| | | | | | | H2 2025-26 | | - | 252.21 | - | | | | | |
| | | | | | | 2026-27 | 361.02 | | - | - | | | | | |
| | | | | | | 2027-28 | 110.35 | 477.54 | - | - | | | | | |
| | | | | | | **Total** | **477.54** | **477.54** | **252.85** | **0** | | | | | |
| 11 | Upgradation of 110 kV Kalwa-Kalyan line to 220 kV level and providing connectivity to 220 Kv MSETCL Pal and Kalyan S/s | Upgradation of voltage level | MERC/Capex/TPC-T/2025-26/0394 | 20th June, 2025 | 2026 | H1 2025-26 | 6.86 | - | 0.9 | 0 | **At Kalyan RS:**<br>1. Construction of 220 kV Multi-Circuit (M/C) Transmission Line from Gantry at MSETCL Kalwa RS up to proposed 220 kV GIS at Tata Power Kalyan Receiving station in the existing corridor of 110 kV Kalwa Kalyan line-<br>2. Dismantling of existing 110 kV towers and conductors to vacate the space for proposed 220 kV tower foundation. Route and detailed survey of 220 kV M/C Transmission Line.<br>3. Preparation of Plan & Profile drawings based on route survey<br>4. Carrying out check survey, Geo Technical Survey (One bore hole at each tower location based on the approved layout), Earth Resistivity tests and Cadastral survey.<br>Obtaining Right of Way and statutory approvals for construction of transmission line.<br>5. Design & Engineering of Transmission Line towers & foundations<br>6. Design, Engineering, Supply of conductor, OPGW, insulators, tower accessories, conductor and OPGW-accessories, earthing material to commission the transmission line.<br>7. Construction of tower foundations, supply fabrication and erection of towers, stringing of power conductors with OPGW, tower earthing, installation of tower accessories, etc.<br>8. LILO of proposed 220 kV Kalwa-Kalyan lines at MSETCL Pal S/S and Interconnection with new 220 kV bays at MSETCL Pal S/s<br>9. Commissioning of Transmission line.<br>10. 220 kV transmission line termination arrangement including 220 kV Gantry, 220 kV cable system etc. up to proposed 220 kV GIS at Kalyan RS<br>11. 245 kV GIS complete with CTs, PTs, disconnectors, LCP for GIS and 110 kV AIS bays (2 no.)<br>**At MSETCL Kalwa S/s:**<br>1. 220 kV transmission line termination arrangement including 220 kV Gantry, 220 kV cable system, etc. from new 220 kV GIS up to proposed new 220 kV M/C Tower<br>2. 245 kV GIS complete with CTs, PTs, disconnectors, LCP for GIS (2 no.)<br>3. Procurement, installation and commissioning of Protection, Automation & Communication System<br>4. Civil works required for gantry arrangement and 220 kV GIS bays<br>5. Procurement, installation, and commissioning of Electrical Auxiliaries as applicable (Earthing, lightning, Lighting System, UPS, AC& DC auxiliaries etc.)<br>**At MSETCL PAL SS:**<br>1. Procurement, installation and commissioning of 245kV GIS Bays (ICOG) complete with CTs, PTs, disconnectors, LCP for GIS (2 no's)<br>2. 220 kV transmission line termination arrangement including 220 kV Gantry/tower, 220 kV cable system etc. up to proposed 220 kV GIS at MSETCL Pal SS from LILO point<br>3. Procurement, installation and commissioning of Protection, Automation & Communication System<br>4. Civil works for 245kV GIS Bays (ICOG)<br>5. Electrical Auxiliaries for new GIS Bays (Earthing, lightning, Lighting System, UPS, AC& DC auxiliaries etc.) | PO placement for major electrical and civil packages is in progress.<br>Preliminary activities for 220 kV Transmission Line foundation works and 220 kV GIS civil building are in progress. | Will be submitted along with completion report | NA | FY 2027-28 |
| | | | | | | H2 2025-26 | | | 8.7 | - | | | | | |
| | | | | | | 2026-27 | 111.71 | | - | - | | | | | |
| | | | | | | 2027-28 | 370.01 | 488.58 | - | - | | | | | |
| | | | | | | **Total** | **488.58** | **488.58** | **9.6** | **0** | | | | | |
| 12 | Installation of New 110/22 kV GIS EHV Substation (2x90 MVA) at Badlapur | Installation of GIS | MERC/Capex/TPC-T/2025-26/0604 | 21st August, 2025 | 2026 | H1 2025-26 | 275.58 | - | 0.17 | 0 | 1. Land for new RSS.<br>2. Supply, installation, and commissioning of 220 kV Cable (@ 3.5 Ckt km)<br>3. Construction of 110 kV GIS building (Ground + 2 floors) for 110 kV and 33 kV GIS Protection, automation and communication panels, fire water pump house, Auxiliary system Capacitor bank.<br>4.2x90 MVA, 110/22 kV Power transformer<br>5. 1x145 kV GIS bus with 2 Nos. of Bus PTs and 05 Nos. of 110 kV GIS Bays.<br>6.2x33 kV GIS bus section with 21 Nos. of bays including PTs<br>7.2x1 MVA, 33/0.433 kV Station transformers.<br>8. Protection, Automation and communication systems | PO placement for major electrical and civil packages is in progress. Land acquisition for 110 kV Badlapur GIS substation is completed. Preliminary activities for civil building activities are in progress. | Will be submitted along with completion report | NA | FY 2026-27 |
| | | | | | | H2 2025-26 | | | 21.97 | - | | | | | |
| | | | | | | 2026-27 | 134.76 | 410.34 | - | - | | | | | |
| | | | | | | **Total** | **410.34** | **410.34** | **22.14** | **0** | | | | | |
| 13 | Installation of 220/33 kV Substation at BDD Chawl, Worli | Installation of GIS | MERC/Capex/TPC-T/2025-26/0396 | 20th June, 2025 | 2026 | H1 2025-26 | 35.38 | - | 0.27 | 0 | 1. Supply, installation, and commissioning of 220 kV Cable (@2.5 Ckt km)<br>2. Construction of 220 kV GIS building (Ground + 6 floors for 220 kV and 33 kV GIS Electrical and Mechanical auxiliary system and control room /relay room) with fire water tank and pump house.<br>3. 2x125 MVA, 220/33 kV Power transformer (with NGR)<br>4. 1x220 kV GIS bus with 2 Nos. of Bus PTs and 05 Nos. of 220 kV GIS Bays.<br>5. 2x33 kV GIS bus section with 22 Nos. of bays including PTs<br>6. 2x1 MVA, 33/0.433 kV Station transformers<br>7. Protection, SCADA and communication systems (Digital Sub Station), electrical and mechanical auxiliaries and control cables | The Letter of Intent (LoI) for allotment of a plot admeasuring 1,159.29 sq. m for the proposed 220 / 33 kV Worli GIS was received from MHADA on 3 February 2023 and was accepted by Tata Power on 8 February 2023. Subsequently, Tata Power applied to MCGM for a provisional Chief Fire Officer (CFO) NOC for the proposed site, which was granted on 25 September 2025. Further, the internal Intimation of Approval (IoA) for the said GIS plot was obtained on 6 January 2026. The plot is yet to be vacated by MHADA and formally handed over to Tata Power. Execution of work will commence only after the tenants have vacated the premises and possession of the plot is transferred to Tata Power.<br>Meanwhile, PO placement for major electrical packages is in progress. | Will be submitted along with completion report | NA | FY 2027-28 |
| | | | | | | H2 2025-26 | | | 3.67 | - | | | | | |
| | | | | | | 2026-27 | 285.19 | - | - | - | | | | | |
| | | | | | | 2027-28 | 136.26 | 456.83 | - | - | | | | | |
| | | | | | | **Total** | **456.83** | **456.83** | **3.94** | **0** | | | | | |

**Part B: Status of Capital Expenditure Schemes having 'In-principle clearances' and where work is in progress (From 1st October 2025 to 31st March 2026)**

**Annexure 2**

| Sr. | Name of the Scheme | Nature of Work | MERC Approval No | MERC Approval date | FY of Approval | FY | Phasing of Cap. as Approved by MERC (Rs. Crore) | Phasing of Captz as approved by MERC (Rs. Crore) | Actual Capex Incurred (Rs. Crore) | Actual Capitz. (Rs. Crore) | Scope of Work approved by the Commission. | Scope of work completed by TPC-T | Cost benefit Analysis/ Benefits achieved. | Reasons for delay /cost overrun if any / Remark | Expected FY of Completion |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | Augmentation of 75 MVA transformers, one at 220 kV Saki and another at 110 kV Malad S/s by new 90 MVA, 110/33-22 kV transformers | Upgradation of transformers | MERC/Capex/TPC-T/2025-26/0359 | 06th June, 2025 | 2026 | H1 2025-26 | 23.34 | - | 0.02 | 0 | **Malad RSS:**<br>a. Procurement, installation, and commissioning of 1 x 90 MVA, 110/33-22 kV Power Transformer along with its accessories and control cabling.<br>b. Dismantling of existing 75 MVA, 110/22 kV Transformer No. 2.<br>c. Civil Scope: New foundation for 110/33-22 kV Transformer<br>d. Fire Protection system: New HVWS for Power transformer.<br><br>**Saki RSS:**<br>a. Procurement, installation, and commissioning of 1 x 90 MVA, 110/33-22 kV Power Transformer No. 3 along with its accessories and control cabling.<br>b. Dismantling of existing 75 MVA, 110/22 kV Transformer #3.<br>c. Civil Scope: New foundation for 110/33-22 kV Transformer<br>d. Fire Protection system: New HVWS for Power transformer. | POs for both transformeres have been issued. | Will be submitted along with completion report | NA | FY 2026-27 |
| | | | | | | H2 2025-26 | | - | - | - | | | | | |
| | | | | | | 2026-27 | 10.01 | 33.35 | - | - | | | | | |
| | | | | | | **Total** | **33.35** | **33.35** | **0.02** | **0** | | | | | |
| 15 | Enhancing Transmission Network reliability by Loop In Loop Out of 220 kV Kalwa - Salsette 5 line at MSETCL Bhandup S/s. | Loop In Loop Out | MERC/Capex/TPC-T/2025-26/No.0888 | 4th November, 2025 | 2026 | H2 2025-26 | | | **0.01** | | A.Procurement, installation, and commissioning of 220 kV GIS – Outdoor, 4 bays (2 no. Incomer bays, 1 no. Bus coupler bay and 1 no. Tie bay). LILO of existing 220 kV Kalwa Salsette 5 line at the proposed 220 kV GIS is envisaged. GIS LCP will be housed in AC kiosk near to outdoor GIS.<br>B.Procurement, installation, and commissioning of Protection, Automation and Communication for 220 kV GIS bays. PAC panels will be housed in the existing control room.<br>C.Procurement, installation and commissioning of 220 kV Cable system – 2R/Ph, 220 kV 1C 1600 Sqmm Copper XLPE Lead sheathed cables along with terminations from LILO point up to Incomer of 220 kV GIS.<br>D.Procurement, installation, and commissioning of Auxiliary system – 220 kV Battery and Battery charger, Sub ACDB and Sub DCDB, etc<br>E.Procurement, installation, and commissioning of LT Power and control cables<br>F.Civil works required for the following:<br>1.Foundation and Elevated platform for 220 kV Outdoor GIS<br>2.Foundation of AC kiosk (1 no. for LCP panels)<br>3.Foundation of Kiosk (1 no. for Battery set)<br>4.Weather shed for 220 kV GIS and Kiosks | PO placement for major packages is in progress and preliminary activities are going on. | Will be submitted along with completion report | NA | FY 2026-27 |
| | | | | | | 2026-27 | 57.35 | 57.35 | | | | | | | |
| | | | | | | **Total** | **57.35** | **57.35** | **0.01** | **0** | | | | | |
| 16 | Augmentation of 90 MVA Transformer No. 4 at Carnac RSS to 125 MVA and Augmentation of 60 MVA Transformer No. 5 at Dharavi RSS to 125 MVA | Upgradation of transformers | MERC/Capex/TPC-T/2025-26/0830 | 4th November, 2025 | 2026 | 2026-27 | 30.07 | | | | **Carnac RSS:**<br>a. Procurement, installation, and commissioning of 1 x 125 MVA, 110/33/22 kV Power Transformer along with its accessories and control cabling.<br>b. Dismantling of 90 MVA, 110/22 kV Transformer No. 4.<br>c. Installation and commissioning of 33 kV incomer breakers.<br>c. Civil Scope: New foundation for 110/33-22 kV Transformer<br>d. Fire Protection system: Modification to High Velocity Water Spray (HVWS) for Power transformer.<br><br>**Dharavi RSS:**<br>a. Procurement, installation, and commissioning of 1 x 125 MVA, 110/33 kV Power Transformer along with its accessories and control cabling.<br>b. Dismantling of 60 MVA, 110/22 kV Transformer No. 5.<br>c. Installation and commissioning of 33 kV incomer breakers.<br>c. Civil Scope: New foundation for 110/33-22 kV Transformer | POs for both transformeres have been issued. | Will be submitted along with completion report | NA | FY 2027-28 |
| | | | | | | 2027-28 | 30.07 | 60.14 | | | | | | | |
| | | | | | | **Total** | **60.14** | **60.14** | **0** | **0** | | | | | |

**Part B: Status of Capital Expenditure Schemes having 'In-principle clearances' and where work is in progress (From 1st October 2025 to 31st March 2026)**

**Annexure 2**

| Sr. | Name of the Scheme | Nature of Work | MERC Approval No | MERC Approval date | FY of Approval | FY | Phasing of Cap. as Approved by MERC (Rs. Crore) | Phasing of Captz as approved by MERC (Rs. Crore) | Actual Capex Incurred (Rs. Crore) | Actual Capitz. (Rs. Crore) | Scope of Work approved by the Commission. | Scope of work completed by TPC-T | Cost benefit Analysis/ Benefits achieved. | Reasons for delay /cost overrun if any / Remark | Expected FY of Completion |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | Upgradation of existing 220 kV Salsette GIS with rated short circuit breaking capacity of 40 kA by 220 kV GIS with rated short circuit breaking capacity of 63 kA | Upgradation of short circuit current breaking capacity | MERC/Capex/TPC-T/2025-26/0829 | 4th November, 2025 | 2026 | H2 2025-26 | 80.56 | - | 0.04 | - | 1. Procurement, installation, and commissioning of 400 kV, 63 kA GIS (operated at 220 kV level) with 17 Nos. of GIS Bays and 4 Nos. of Bus PTs.<br>2. Procurement and laying of 220 kV cables within substation and its respective terminations at both ends and Transmission line modification works for termination in new GIS.<br>3. Procurement and laying of LV power and control cables within substation and its respective terminations at both ends.<br>4. Procurement, installation and commissioning of protection, SCADA, and communication systems.<br>5. Procurement, installation and commissioning of electrical and mechanical auxiliaries and e-security.<br>6. New proposed Ground + 1 Floor building to accommodate the LCP, PAC, 48V Battery and Battery charger and ACDB/DCDB.<br>7. Procurement, Installation, testing and Commissioning of Fire Protection and detection system for proposed LCP and relay room.<br>8. Procurement, installation, testing & commissioning Earthing, Lighting and Lightning system.<br>9. Civil Scope:<br>9.1. Civil works for new proposed (G+1) Building<br>9.2. Civil works for installation of earthing system<br>9.3. Platform along with weather shed for 220 kV outdoor GIS<br>9.4. Cable trenches for new proposed 220 kV and LV cable<br>9.5. Control Cable arrangement up to 1st Floor | PO placement for major electrical and civil packages is in progress and preliminary engineering and site - survey activities are going on. | Will be submitted along with completion report | NA | FY 2026-27 |
| | | | | | | 2026-27 | 153.5 | - | - | - | | | | | |
| | | | | | | 2027-28 | 129.04 | 363.1 | - | - | | | | | |
| | | | | | | **Total** | **363.1** | **363.1** | **0.04** | **0** | | | | | |
| 18 | Establishing connectivity between North and South Mumbai - Phase I: Creation of 400 kV level at existing Dharavi RSS with 400 kV Tata Power Vikhroli - Dharavi S/c line | Addition of voltage level | MERC/Capex/TPC-T/2025-26/No. | 9th December, 2025 | 2026 | 2025-26 | 62.6 | | | | 1. Loop In Loop Out (LILO) of any one of 400 kV Kharghar-Vikhroli lines at proposed 400 kV Tata Power Vikhroli Station.<br>2. Procurement, installation / laying and commissioning (PIC)of :<br>2.1. 400 kV outdoor GIS bus with 2 Nos. of Bus PTs and 400 kV GIS Bays at Tata Power Vikhroli S/s.<br>2.2. 400 kV outdoor GIS bus with 2 Nos. of Bus PTs and 400 kV GIS Bays at Tata Power Dharavi S/s.<br>2.3. 2 x 500 MVA, 400/220/33kV ICTs at Dharavi S/s.<br>2.4. 1 x 125 MVAR, 400kV Variable shunt reactor with NGR at Dharavi S/s<br>2.5. 400 kV, 1 Core, 2500 mm2, Copper conductor, Lead Sheathed XLPE cable with accessories - between 400 kV Tata Power Vikhroli S/s and 400 kV Dharavi S/s (@11.3 km).<br>2.6. SCADA and communication systems (Digital S/s) for proposed Dharavi S/s, Tata Power Vikhroli S/s and remote end stations (i.e. MSETCL Kharghar and KVTPL Vikhroli S/s).<br>2.7. Electrical and Mechanical Auxiliaries (EMA) and control cables for proposed Dharavi S/s and Tata Power Vikhroli S/s.<br>2.8. 220 kV, 1 Core, 2500 mm2, Copper conductor, Lead Sheathed XLPE cable with accessories including terminations, joints, link boxes etc at Dharavi S/s.<br>2.9. 96 core Fiber optic cable (2 runs) along with accessories.<br>2.10. Distributed Temperature system (DTS) & Distributed Acoustics Sensing (DAS) System for Real Time Cable Monitoring.<br>3. Route excavation, cable laying, jointing and termination of EHV cables, 1.1 kV control cables at either end on T/F, switchgear, reactor, etc. and for 420 kV VSRs.<br>4. Construction of 400 kV CRP and control room building (Ground floor plus 1 floor for 400 kV PAC panels, EMA system and control room / relay room) with fire water tank and pump house at Dharavi and Tata Power Vikhroli plot. | PO placement for major electrical and civil packages is in progress and preliminary engineering and site - survey activities are going on. | Will be submitted along with completion report | NA | FY 2027-28 |
| | | | | | | 2026-27 | 1117.41 | | | | | | | | |
| | | | | | | 2027-28 | 144.52 | 1324.53 | | | | | | | |
| | | | | | | **Total** | **1324.53** | **1324.53** | **0** | **0** | | | | | |
| 19 | Upgradation of existing 110kV Khopoli-Bhokarpada line by replacing existing conductor by higher capacity conductor along with Tower replacement | Upgradation of voltage level | MERC/Capex/TPC-T/2025-26/No. 0979 | 31st December, 2025 | 2026 | 2026-27 | 115.52 | | | | 1. Replacement of existing Horizontal towers (Grillage foundation) with 220 kV DF multi circuit Towers (with new foundation) – 87 nos. of Towers.<br>2. Replacement of existing 110 kV, 2 x 0.15 Wolf ACSR conductor with 220 kV, 0.5 Moose Conductor. | PO placement for major electrical and civil packages is in progress and preliminary engineering and site - survey activities are going on. | Will be submitted along with completion report | NA | FY 2027-28 |
| | | | | | | 2027-28 | 122.57 | 238.09 | | | | | | | |
| | | | | | | **Total** | **238.09** | **238.09** | **0** | **0** | | | | | |
| 20 | Augmentation of source and transformation capacity of existing 110 kV Powai station & upgradation of 110 kV system to 220 kV level | Upgradation of voltage level | MERC/Capex/TPC-T/2025-26/No. 0978 | 31st December, 2025 | 2026 | 2026-27 | 399.82 | | | | 1. Procurement, installation, and commissioning of 220 kV GIS (Outdoor) bus with 2 Nos. of Bus PTs and 06 Nos. of 220 kV GIS Bays (2-line bays (220 kV Salsette - Powai + 220 kV Amazon - Powai) + 160 MVA, 220/110/33 kV ICT-1 & 2, 125 MVA 220/33 kV T/F + 220 kV Bus-coupler Bay).<br>2. Modification of existing 1 spare 110 kV GIS bay as per 220/110/33 kV ICT-1.<br>3. PIC of 12 nos. of 33 kV GIS bays (33 kV Incomer from 160 MVA ICT-1 & 2 + 33 kV Tie breaker + isolators for Bus-1 & 2 + 11 x 33 kV outgoing feeders + 4 x 33 kV PT bays.<br>4. PIC of 2 x 160 MVA 220/110/33 kV ICT and 1X125 MVA 220/33 kV T/F.<br>5. Procurement, Laying (PL) and jointing of 220kV EHV cables (Double Circuit @7.4KM Route Length) and their respective termination on tower and GIS.<br>6. PL of 110KV and 33kV cables within S/s + termination.<br>7. PL of 22 KV and 415 V cables within S/s + termination.<br>8. PIC of protection, SCADA and communication systems at Powai & remote end station.<br>9. PIC of electrical and mechanical auxiliaries, control cables and e-security.<br>10. Modification of existing office space on 2nd Floor in existing building to accommodate the Battery, Battery charger, protection and communication panels<br>11. PIC and testingof Fire Protection, detection system and Earthing system. | PO placement for major electrical and civil packages is in progress and preliminary engineering and site - survey activities are going on. | Will be submitted along with completion report | NA | FY 2027-28 |
| | | | | | | 2027-28 | 171.35 | 571.17 | | | | | | | |
| | | | | | | **Total** | **571.17** | **571.17** | **0** | **0** | | | | | |