

APPENDIX-TATA POWER-T ROLLING CAPITAL INVESTMENT PLAN FOR FY 2023-24 AND FY 2024-25

Sr No	Particulars	Voltage Level	1 st Year (FY 2023-24)	2 nd Year (FY 2024-25)
1		220 kV		<p>Work 2.1 Installation of new 220 kV / 33 kV Receiving Station at Worli</p> <ul style="list-style-type: none"> •Reference of STU plan approved for Tata Power-T for FY 2021-22 to FY 2025-26: A and B •Scheme recommended by STU through letter reference MSETCL/CO/STU/8426 dated 30.11.2022 <p>(a) Brief Scope of work :</p> <ul style="list-style-type: none"> •Land purchase, initiating process for necessary permissions and prerequisite work. •Construction of 220 kV GIS building, installation and commissioning of electrical and mechanical auxiliaries and control cables, Installation and commissioning of 220 kV GIS with 07 nos. of bays with Protection Automation and Communication system. •Laying and jointing of 220 kV EHV cables for LILO of Dharavi Mahalaxmi line and its respective termination on GIS. •Installation and commissioning of 33 kV GIS with 22 nos. of bays. •Installation and commissioning of 2 x 60MVA, 220/33 kV Power transformer along with NGR and station transformers. <p>(b) COD : March 2026 and August 2027</p>
2	A : Substation B : Associated lines	220 kV		<p>Work 2.2 Installation of new 220 kV / 33 kV Receiving Station at Vile Parle</p> <ul style="list-style-type: none"> •Reference of STU plan approved for Tata Power-T for FY 2021-22 to FY 2025-26: A and B <p>(a) Brief Scope of work :</p> <ul style="list-style-type: none"> •Land purchase, initiating process for necessary permissions and prerequisite work. •Construction of 220 kV GIS building, installation and commissioning of electrical and mechanical auxiliaries and control cables, Installation and commissioning of 220 kV GIS with 07 nos. of bays with Protection Automation and Communication system. •Laying and jointing of 02 nos. of 220 kV EHV cables from Tata Power-T's 220 kV Versova Receiving Station and its respective terminations on GIS. •Installation and commissioning of 33 kV GIS with 19 nos. of bays. •Installation and commissioning of 2 x 90MVA, 220/33 kV Power transformer along with NGR and station transformers. <p>(b) COD : March 2026</p>

Sr No	Particulars	Voltage Level	1 st Year (FY 2023-24)	2 nd Year (FY 2024-25)
3		220 kV		<p>Work 2.3 Installation of new 220 kV / 33 kV Receiving Station at Dharavi • Reference of STU plan approved for Tata Power-T for FY 2021-22 to FY 2025-26: A and B (a) Brief Scope of work : • Land purchase, initiating process for necessary permissions and prerequisite work. • Construction of 220 kV GIS building, installation and commissioning of electrical and mechanical auxiliaries and control cables, Installation and commissioning of 220 kV GIS with 07 nos. of bays with Protection Automation and Communication system. • Laying and jointing of 220 kV EHV cables for LILO of Trombay Dharavi line and its respective termination on GIS. • Installation and commissioning of 33 kV GIS with 19 nos. of bays. • Installation and commissioning of 2 x 90MVA, 220/33kV Power transformer along with NGR and station transformers. (b) COD : March 2027</p>
4	C-1 : Linked lines	220 kV		<p>Work 2.1 Construction of additional 220 kV line between Dharavi and Mahalaxmi (cable length 7 ckt. km) • STU letter no MSETCL/CO/STU/5946 dated 11.08.2022 • Tata Power-T letter no TRANS/STU/03/22-23/39 dated 19.09.2022 • 5th MTC MOM MSETCL/CO/STU/Sys/MTC/7730 agenda no. 23 & 24 (a) Brief Scope of work : • Procurement of cable and accessories, permissions of excavation for cable laying. • Cable laying, reinstatement and taking into service with DTS system. (b) COD : May 2025</p>
5		220 kV		<p>Work 2.2 Construction of additional 220 kV line between Mahalaxmi and Backbay (cable length 11.40 ckt. km) • STU letter no MSETCL/CO/STU/5946 dated 11.08.2022 • TPC-T letter no TRANS/STU/03/22-23/39 dated 19.09.2022 • 5th MTC MOM MSETCL/CO/STU/Sys/MTC/7730 agenda no 23 & 24 (a) Brief Scope of work : • Procurement of cable and accessories, permissions of excavation for cable laying. • Cable laying, reinstatement and taking into service with DTS system. (b) COD : March 2026</p>

Sr No	Particulars	Voltage Level	1 st Year (FY 2023-24)	2 nd Year (FY 2024-25)
6	C 4 : HTLS/ Replacement of Conductor	110 kV	----	<p>Work 2.1 Replacement of old aged oil filled cable of 110 kV Parel Mahalaxmi # 1 line (cable length 5 ckt. km) •Reference of STU plan approved for Tata Power-T for FY 2021-22 to FY 2025-26: C4 •Scheme recommended by STU thorough letter reference MSETCL/CO/STU/8728 dated 08.12.2022 (a) Brief Scope of work : •Procurement of cable and accessories, permissions of excavation for cable laying. •Cable laying, reinstatement and taking into service with DTS system. (b) COD : February 2026</p>
7		110 kV	----	<p>Work 2.2 Replacement of old aged oil filled cable of 110 kV Parel Grant Road line (cable length 6 ckt. km) •Reference of STU plan approved for Tata Power-T for FY 2021-22 to FY 2025-26: C4 •Scheme recommended by STU thorough letter reference MSETCL/CO/STU/7788 dated 04.11.2022 (a) Brief Scope of work : •Procurement of cable and accessories, permissions of excavation for cable laying. •Cable laying, reinstatement and taking into service with DTS system. (b) COD : March 2026</p>
8		110 kV	----	<p>Work 2.3 Replacement of old aged oil filled cable of 110 kV Carnac Grant Road line (cable length 10 ckt. km) •Reference of STU plan approved for Tata Power-T for FY 2021-22 to FY 2025-26: C4 •Scheme recommended by STU thorough letter reference MSETCL/CO/STU/7788 dated 04.11.2022 (a) Brief Scope of work : •Procurement of cable and accessories, permissions of excavation for cable laying. •Cable laying, reinstatement and taking into service with DTS system. (b) COD : March 2026</p>

Sr No	Particulars	Voltage Level	1 st Year (FY 2023-24)	2 nd Year (FY 2024-25)
9	D 1 : Creation of new level	33 kV	----	<p>Work 2.1 33kV level creation at Karanjade for catering load requirement of MSEDCL Recommended in 5th MTC : Reference MOM, Agenda point 19 (a) Brief Scope of work :</p> <ul style="list-style-type: none"> • Installation and commissioning of 01 no. of 220 kV GIS bay and 01 no. of 110 kV GIS bay at existing Karanjade Switching station. • Installation and commissioning of 1 x 125 MVA, 220/33kV Power transformer with NGR and 1 x 125MVA, 110/33kV Power transformer with NGR. • Installation and commissioning of Protection Automation and Communication system. • Construction of 33 kV GIS building. Installation and commissioning of 33 kV GIS with 16 nos. of bays. <p>(b) COD : March 2025</p>
10		220 kV		<p>Work 2.2 Augmentation of Source and Trasfromation capacity of Powai RSS by 220 kV level creation 5th MTC MOM MSETCL/CO/STU/Sys/MTC/7730 agenda no 25 (a) Brief Scope of work :</p> <ul style="list-style-type: none"> • Installation and commissioning of 05 nos. of 220 kV GIS bays • Installation and commissioning of 02 x 125 MVA, 220 / 33 kV Transformers • Installation and commissioning of 17 nos. of 33 kV GIS bays • Installation and commissioning of associated Protection Automation and Communication system. • Laying and jointing of 220 kV EHV cables for LILO of 220 kV Salste Saki line (5 km) and its respective termination on GIS. • Construction of Control room building with electrical and mechanical auxiliaries <p>(b) COD : February 2026</p>
		220 kV		<p>Work 2.5 Augmentation of Source and Trasfromation capacity of Kalyan RSS by 220 kV level creation 6th MTC MOM MSETCL/CO/STU/Sys/MTC/1064 agenda no 14 (a) Brief Scope of work :</p> <ul style="list-style-type: none"> • Installation and commissioning of 05 nos. of 220 kV GIS bays • Installation and commissioning of 02 x 125 MVA, 220 / 110 kV Transformers • Installation and commissioning of associated Protection Automation and Communication system. • Construction of 4 ckt towers from MSETCL Kalwa to Tata Power Kalyan RSS. LILO of 220 kV Kalwa Kalyan line at MSETCL PAL S/s by installing 02 nos of 220 kV bays at MSETCL PAL. • Construction of Control room building with electrical and mechanical auxiliaries <p>(b) COD : May 2026</p>

Sr No	Particulars	Voltage Level	1 st Year (FY 2023-24)	2 nd Year (FY 2024-25)
		400 kV	----	<p>Work 2.3 Creation of 400 kV level at existing Dharavi Station for establishing connectivity between 400 kV North and South Mumbai</p> <ul style="list-style-type: none"> • Scheme recommended by STU through letter reference MSETCL/CO/STU/7744 dated 03.11.2022 <p>(a) Brief Scope of work :</p> <ul style="list-style-type: none"> • Installation and commissioning of 09 nos. of 400 kV GIS bays and 02 nos. of 220 kV GIS bay at existing Dharavi Receiving Station. • Installation and commissioning of 02 x 500 MVA, 400/220 kV Transformers. • Installation and commissioning of associated Protection Automation and Communication system. • Laying and commissioning of 400 kV Vikhroli to Dharavi cable (12 km). • Installation and commissioning of 02 x 125 MVAR, 400kV Variable shunt reactor. • Construction of 33 kV GIS building. Installation and commissioning of 33 kV GIS with 16 nos. of bays. <p>(b) COD : July 2026</p>
12	E 1 : Reactor New	220 kV	<p>Work 1.1 Installation of 220 kV reactor at Trombay</p> <ul style="list-style-type: none"> • Reference of STU plan approved for Tata Power-T for FY 2021-22 to FY 2025-26: E1 • Scheme recommended by STU through letter reference MSETCL/CO/STU/7789 dated 04.11.2022 <p>(a) Brief Scope of work :</p> <ul style="list-style-type: none"> • Space creation for installation of 01 no. of 220 kV 125 MVAR Reactor. • Installation and commissioning of 01 no. of 220 kV, 125 MVAR Variable shunt Reactor with online DGA fire detection system and HVWS system. • Installation and commissioning of 02 nos. of 220 kV bays with protection automation and communication system. <p>(b) COD : February 2024</p>	----
13			220 kV	<p>Work 1.2 Installation of 220 kV reactor at Mahalaxmi</p> <ul style="list-style-type: none"> • Reference of STU plan approved for Tata Power-T for FY 2021-22 to FY 2025-26: E1 • Scheme recommended by STU through letter reference MSETCL/CO/STU/7789 dated 04.11.2022 <p>(a) Brief Scope of work :</p> <ul style="list-style-type: none"> • Space creation for installation of 01 nos. of 220 kV 125 MVAR Reactor. • Installation and commissioning of 01 no. of 220 kV, 125 MVAR Variable shunt Reactor with online DGA fire detection system and HVWS system. • Protection, automation and communication system for 01 no. of 220 kV bay <p>(b) COD : February 2024</p>

Sr No	Particulars	Voltage Level	1 st Year (FY 2023-24)	2 nd Year (FY 2024-25)
14	H : Switchgear replacement by GIS	110 kV	----	<p>Work 2.1 110 kV AIS system upgradation with GIS at Malad Station •Reference of STU plan approved for Tata Power-T for FY 2021-22 to FY 2025-26: H (a) Brief Scope of work : •Procurement, Installation and Commissioning of 110 kV Outdoor GIS bus with 14 Nos. of Bays. •Supply, Laying and jointing of EHV cables and termination of EHV cable in GIS bays •Construction of Control room building with electrical and mechanical auxiliaries •Procurement, installation and commissioning of protection, SCADA and communication systems in Control room building (b) COD : February 2026</p>
15		22 kV	----	<p>Work 2.1 MV (22 kV) AIS switchgear upgradation with GIS and installation of bays for additional requirement of MSEDCL at Kalyan RSS 5th MTC MOM reference : Agenda point 21 Recommended in site visit conducted by STU on 01.12.2022, report for the same is awaited (a) Brief Scope of work : Installation and commissioning of 33 kV GIS with 32 nos of bays (operated at 22 kV) with Protection Automation and Communication along with all civil related works. (b) COD : September 2025</p>
16		22 kV	----	<p>Work 2.2 MV (22 kV) AIS switchgear upgradation with GIS and segregation of back-to-back feeders at Vikhroli RSS 5th MTC MOM reference : Agenda point 22 Recommended in site visit conducted by STU : 01.12.2022, report for the same is awaited (a) Brief Scope of work : Installation and commissioning of 33 kV GIS with 57 nos of bays (operated at 22 kV) with Protection Automation and Communication along with all civil related works. (b) COD : July 2025</p>
17		220 kV	----	<p>Work 2.3 Upgradation of existing 220 kV GIS (40 kA) with new 220 kV GIS (63 kA) at Salsette New scheme (a) Brief Scope of work : •Procurement, Installation and Commissioning of 220 kV GIS (63 kA) bus with 16 Nos. of Bays with Bus Sectionalisers and Bus Couplers. •Supply, Laying and jointing of EHV cables and termination of EHV cable in GIS bays •Procurement, installation and commissioning of protection, SCADA and communication systems. (b) COD : February 2026</p>