

Appendix- TPC-T ROLLING CAPITAL INVESTMENT PLAN 2027 - 2031

Sr No	Particulars	Voltage Level	1st Year (FY 27)	2nd Year (FY 28)	3rd Year (FY 29)	4th Year (FY 30)	5th Year (FY 31)
1	A : Substation B : Associated lines	220 kV	----	<p><b>Work 1.1</b> Installation of new 220 kV / 33 kV RS at Worli STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme submitted to Hon'ble commission. <b>(a) Brief Scope of work :</b> Land allotment, 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 bays with Protection Automation and Communication system. Laying and jointing of 220kV EHV cables for LILO of Dharavi Mahalaxmi line and its respective termination on GIS. Installation and commissioning of 33 kV GIS bays as per DISCOMs requirement. Installation and commissioning of 2 x 125 MVA, 220 / 33kV Power transformer along with NGR and station transformers. <b>(b) Estimated Cost : Rs 458 Crores</b> <b>(c) COD : March 2028</b></p>		<p><b>Work 1.1</b> Installation of new 220 kV / 33 kV RS at Dharavi STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> 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 bays with Protection Automation and Communication system. Laying and jointing of 220kV EHV cables for LILO of Trombay Dharavi line and its respective termination on GIS. Installation and commissioning of 33 kV GIS bays as per DISCOM requirement. Installation and commissioning of 2 x 125 MVA, 220 / 33kV Power transformer along with NGR and station transformers. <b>(b) Estimated Cost : Rs 300 Crores</b> <b>(c) COD : March 2030</b></p>	<p><b>Work 1.1</b> Installation of new 220 kV / 33 kV RS at MbPT STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> 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 bays with Protection Automation and Communication system. Laying and jointing of 220kV EHV cables for LILO of 220 kV Trombay-Carnac and its respective termination on GIS. Installation and commissioning of 33 kV GIS bays as per DISCOM requirement. Installation and commissioning of 2 x 125 MVA, 220 / 33kV Power transformer along with NGR and station transformers. <b>(b) Estimated Cost : Rs 400 Crores</b> <b>(c) COD : March 2031</b></p>
2	A : Substation B : Associated lines	220 kV	----	<p><b>Work 1.2</b> Installation of new 220 / 22 kV RS at Kailash Nagar, Wagle estate, Thane STU plan reference : FY 25-26 to FY 2027-28 Scheme approved in MTC meet. Scheme approved in GCC DPR to be submitted to STU for prudence checks. <b>(a) Brief Scope of work :</b> Land purchase, initiating process for necessary permissions and prerequisite work. LILo of 220 kV Salsette Borivali line 1 or 2 at Kailashnagar by utilizing uograded 220 kV corridor of Salsette (BMC Plot) to Kolshet corridor Installation and commissioning of 22 kV GIS as per MSEDCL requirement. Installation and commissioning of 2 x 125 MVA, 220 / 22 kV Power transformers. <b>(b) Estimated Cost : Rs 180 Crores</b> <b>(c) COD : March 2028</b></p>	<p><b>Work 1.1</b> Installation of new 220 kV / 33 kV RS at Vile Parle STU plan reference : FY 23-24 to FY 2032-33 Scheme approved by MTC. <b>(a) Brief Scope of work :</b> 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 07nos of bays with Protection Automation and Communication system. Laying and jointing of 02 nos of 220 kV EHV cables from TPC-T 220 kv versova Station and its respective termination on GIS (4 km each). Installation and commissioning of 33 kV GIS Bus Sections as per DISCOMs requirement. Installation and commissioning of 2 x 90MVA, 220/33kV Power transformer along with NGR. <b>(b) Estimated Cost : Rs 490 Crores</b> <b>(c) COD : March 2029</b></p>	<p><b>Work 1.3</b> Installation of new 220 kV / 33 kV RS at Panvel STU plan reference : FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> 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 bays with Protection Automation and Communication system. Laying and jointing of 220kV EHV cables for LILO of 220 kV Bhira-Karanjade lines and its respective termination on GIS. Installation and commissioning of 33 kV GIS bays as per DISCOM requirement. Installation and commissioning of 2 x 125 MVA, 220 / 33kV Power transformer along with NGR and station transformers. <b>(b) Estimated Cost : Rs 350 Crores</b> <b>(c) COD : March 2030</b></p>	<p><b>Work 1.2</b> Installation of new 220 kV / 33 kV RS at Pantnagar, Ghatkopar STU plan reference : FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> 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 bays with Protection Automation and Communication system. Laying and jointing of 220kV EHV cables for LILO of 220 kV Trombay - KVTPV Vikhroli line and its respective termination on GIS. Installation and commissioning of 33 kV GIS bays as per DISCOM requirement. Installation and commissioning of 2 x 125 MVA, 220 / 33kV Power transformer along with NGR and station transformers. <b>(b) Estimated Cost : Rs 400 Crores</b> <b>(c) COD : March 2031</b></p>
3	A : Substation B : Associated lines	220 kV	----	----	<p><b>Work 1.1</b> Installation of new 220 kV / 33 kV RS at Palaspe Phata STU plan reference : FY 25-26 to FY 27-28 Scheme to be discussed in MTC. <b>(a) Brief Scope of work :</b> Existing corridor will be utilized for installation of station. If required additional land will be procured. Construction of 220 kV GIS building, installation and commissioning of electrical and mechanical auxiliaries and control cables, Installation and commissioning of 220 kV GIS bays with Protection Automation and Communication system. Laying and jointing of 220kV EHV cables for LILO of 220 kV Bhira Karanjade line and its respective termination on GIS. Installation and commissioning of 33 kV GIS bays as per DISCOMs requirement. Installation and commissioning of 2 x 125 MVA, 220 / 33kV Power transformer along with NGR and station transformers. <b>(b) Estimated Cost : Rs 250 Crores</b> <b>(c) COD : March 2029</b></p>		<p><b>Work 1.2</b> Installation of new 220 kV / 33 kV RS at Goregaon STU plan reference : FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> 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 bays (07 nos) with Protection Automation and Communication system. Laying and construction of 220 kV Borivali - Goregaon S/c line (8 km) Laying and construction of 220 kV Sahar - Goregaon S/c line (8 km) Installation and commissioning of 33 kV GIS bays as per DISCOM requirement. Installation and commissioning of 2 x 125 MVA, 220 / 33kV Power transformer along with NGR and station transformers. <b>(b) Estimated Cost : Rs 400 Crores</b> <b>(c) COD : March 2031</b></p>
4	A : Substation B : Associated lines	110 kV	----	<p><b>Work 1.1</b> Installation of new 110 kV / 22 kV RS at Badlapur STU plan reference : FY 23-24 to FY 2032-33 Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme submitted to Hon'ble commission. <b>(a) Brief Scope of work :</b> Land purchase, initiating process for necessary permissions and prerequisite work. Construction of 110 kV GIS building, installation and commissioning of electrical and mechanical auxiliaries and control cables, Installation and commissioning of 110 kV GIS with Protection Automation and Communication system. Laying and jointing of 110kV EHV cables for LILO of Bhivpuri Ambarnath line and its respective termination on GIS. Installation and commissioning of 22 kV GIS Bus Sections. Installation and commissioning of 2 x 90MVA, 110/22 kV Power transformer along with NGR. <b>(b) Estimated Cost : Rs 412 Crores</b> <b>(c) COD : March 2027</b></p>	----	<p><b>Work 1.1</b> Installation of new 110 / 22 / 11 kV RS at Mulashi STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Land purchase, initiating process for necessary permissions and prerequisite work. Installation and commissioning of 110 kV AIS Bus Sections with Protection Automation and Communication system. Laying and jointing of 110 kV cables for LILO of 110 kV Bhira Davdi or Khopoli Davdi and its respective termination (1km). Installation and commissioning of 22 kV GIS bays as per DISCOMs requirement. Installation and commissioning of 11 kV GIS bays as per DISCOM requirement. Installation and commissioning of 2 x 30 MVA, 110 / 22 kV and 2 X 10 MVA, 22 / 11 kV Power transformers. <b>(b) Estimated Cost : Rs 90 Crores</b> <b>(c) COD : March 2029</b></p>	<p><b>Work 1.1</b> Installation of new 110 / 22 kV RS at Ulhasnagar STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Land purchase, initiating process for necessary permissions and prerequisite work. Installation and commissioning of 110 kV GIS bays with Protection Automation and Communication system. Laying and jointing of 110 kV cables for LILO of 110 kV Bhivpuri Ambarnath or 110 kV Ambarnath Neral and its respective termination. Installation and commissioning of 22 kV GIS as per DISCOMs requirement Installation and commissioning of 2 x 90 MVA, 110 / 22 kV Power transformers. <b>(b) Estimated Cost : Rs 420 Crores</b> <b>(c) COD : March 2030</b></p>
	A : Substation B : Associated lines	110 kV	----	----	<p><b>Work 1.2</b> Installation of new 110 / 22 kV RS at Shedung. STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Land purchase, initiating process for necessary permissions and prerequisite work. Installation and commissioning of 110 kV AIS bays with Protection Automation and Communication system. Laying and jointing of 110 kV cables for LILO of 110 kV Khopoli Karanjade or 110 kV Bhokarpada Karanjade line. Installation and commissioning of 22 kV GIS as per DISCOMs requirement. Installation and commissioning of 2 x 90 MVA, 110 / 22 kV Power transformers. <b>(b) Estimated Cost : Rs 400 Crores</b> <b>(c) COD : March 2029</b></p>		<p><b>Work 1.2</b> Installation of new 110 / 33 kV RS at Kandivali STU plan reference : FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Land purchase, initiating process for necessary permissions and prerequisite work. Installation and commissioning of 110 kV GIS bays with Protection Automation and Communication system. Laying and jointing of 110 kV cables for LILO of 110 kV Salsette Kolshet or 110 kV Kolshet BMC line with line upgradation and its respective termination. Installation and commissioning of 33 kV GIS bays as per DISCOM requirement. Installation and commissioning of 2 x 90 MVA, 110 / 33 kV Power transformers. <b>(b) Estimated Cost : Rs 350 Crores</b> <b>(c) COD : March 2031</b></p>

Sr No	Particulars	Voltage Level	1st Year (FY 27)	2nd Year (FY 28)	3rd Year (FY 29)	4th Year (FY 30)	5th Year (FY 31)
5	A : Substation B : Associated lines	110 kV	----	----	----	<p><b>Work 1.3</b> Installation of new 110 / 22 kV RS at Lodhivali STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet.</p> <p><b>(a) Brief Scope of work :</b> Land purchase, initiating process for necessary permissions and prerequisite work. Installation and commissioning of 110 kV AIS bays with Protection Automation and Communication system. Laying and jointing of 110 kV cables for LILO of 110 kV Khopoli-Bhokarpada line with line upgradation and its respective termination. Installation and commissioning of 22 kV GIS bays as per DISCOM requirement. Installation and commissioning of 2 x 90 MVA, 110 / 22 kV Power transformers.</p> <p><b>(b) Estimated Cost :</b> Rs 100 Crores <b>(c) COD :</b> March 2030</p>	----
7	C-1 : Link lines C-2 : 2nd ckt stringing	220 kV	<p><b>Work 1.1</b> Augmentation and strengthening of 220 kV South Mumbai Transmission Network by construction of additional 220 kV Dharavi – Mahalaxmi line. STU plan reference : FY 23-24 to FY 2032-33 Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme submitted to Hon'ble commission.</p> <p><b>(a) Brief Scope of work :</b> Procurement and commissioning of 220 kV, Single Core, 1600 sqmm XLPE Copper cable &amp; associated cable accessories (including terminations, joints, link boxes etc.) cable and accessories. Cable laying, reinstatement and taking into service with DTS system. Procurement, Installation and Commissioning of 125 MVAR reactor at 220 kV Dharavi RSS. Procurement, installation and commissioning of 03 nos of 220 kV GIS bays. Procurement, installation and commissioning of Prewired Protection, automation and communication (PAC) panels comprising of supervisory control &amp; condition monitoring system for Reactor at Dharavi.</p> <p><b>(b) Estimated Cost :</b> Rs 347 crores <b>(c) COD :</b> March 2027</p>	----	----	----	----
	C-1 : Link lines C-2 : 2nd ckt stringing	220 kV	<p><b>Work 1.2</b> Augmentation and strengthening of 220 kV South Mumbai Transmission Network by construction of additional 220 kV Mahalaxmi Backbay line. STU plan reference : FY 23-24 to FY 2032-33 Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme submitted to Hon'ble commission.</p> <p><b>(a) Brief Scope of work :</b> Procurement and commissioning of 220 kV, Single Core, 1600 sqmm XLPE Copper cable &amp; associated cable accessories (including terminations, joints, link boxes etc.) cable and accessories. Cable laying, reinstatement and taking into service with DTS system. Procurement, installation and commissioning of 02 nos of 220 kV GIS bays. Procurement, installation and commissioning of Prewired Protection, automation and communication (PAC) panels.</p> <p><b>(b) Estimated Cost :</b> Rs 479 crores <b>(c) COD :</b> March 2027</p>	----	----	----	----
	C-1 : Link lines C-2 : 2nd ckt stringing	220 kV	<p><b>Work 1.3</b> Enhancing Transmission network reliability by Loop In Loop out of 220 kV Kalwa Salsette 5 line at MSETCL Bhandup S/s. STU plan reference : FY 23-24 to FY 2032-33 Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme submitted to Hon'ble commission..</p> <p><b>(a) Brief Scope of work :</b> Loop In Loop out of 220 kV Kalwa Salsette 5 line at MSETCL Bhandup S/s with EHV cable and associated Protection, Automation and Communication Installation and commissioning of 220 kV bays at MSETCL Bhandup S/s</p> <p><b>(b) Estimated Cost :</b> Rs 57 crores <b>(c) COD :</b> March 2027</p>	----	----	----	----
	C-1 : Link lines C-2 : 2nd ckt stringing	110 kV	<p><b>Work 1.1</b> Augmentation and strengthening of 110 kV Bhira Khopoli Corridor by construction of additional 110 kV Bhira Khopoli Line line. STU plan reference : FY 23-24 to FY 2032-33 Scheme approved by MTC. Scheme approved by GCC. DPR to be submitted to STU for Prudence Checks.</p> <p><b>(a) Brief Scope of work :</b> Procurement and commissioning of 110 kV Bhira Khopoli overhead line by new conductor stringing &amp; associated accessories. Existing corridor and towers will be utilized for the same. Modifications will done as per the engineering requirement if any.</p> <p><b>(b) Estimated Cost :</b> Rs 30 crores <b>(c) COD :</b> March 2027</p>	----	----	----	----
8	C-1 : Link lines C-2 : 2nd ckt stringing	110 kV	<p><b>Work 1.1</b> Augmentation and strengthening of 110 kV Trombay Mankhurd Corridor by construction of 110 kV Trombay Mankhurd line STU plan reference : FY 23-24 to FY 2032-33 Scheme approved by MTC. Scheme approved by GCC. DPR to be submitted to STU for Prudence Checks..</p> <p><b>(a) Brief Scope of work :</b> Procurement and commissioning of 110 kV Trombay - Mankhurd line by new conductor stringing &amp; associated accessories. Existing corridor and towers will be utilized for the same. Modifications will done as per the engineering requirement if any.</p> <p><b>(b) Estimated Cost :</b> Rs 40 crores <b>(c) COD :</b> March 2027</p>	----	----	----	----

Sr No	Particulars	Voltage Level	1st Year (FY 27)	2nd Year (FY 28)	3rd Year (FY 29)	4th Year (FY 30)	5th Year (FY 31)
	C-4 : HTLS/ Replacement of Conductor	220 kV		<p><b>Work 1.1</b> Upgradation of existing 110 kV Salsette - Kolshet corridor to 220 kV by replacing existing conductor by higher capacity conductor and existing towers to multi circuit towers. STU plan reference : FY 25-26 to FY 2027-28 Scheme approved in MTC meet. Scheme approved in GCC DPR to be submitted to STU for prudence checks. <b>(a) Brief Scope of work :</b> Procurement and commissioning of 220 kV Salsette (From BMC Plot) - Kolshet corridor by tower replacement and conductor stringing. Existing corridor will be utilized for the same. Modifications will done as per the engineering requirement if any. 220 kV Salsette Borivali line no 1 or 2 Loop In Loop Out at proposed 220 kV / 22 kV Kailashnagar S/s by utilizing the newly constructed 220 kV Salsette (from BMC plot) to Kolshet. <b>(b) Estimated Cost : Rs 180 crores</b> <b>(C) COD : March 2028</b></p>			
9	C-4 : HTLS/ Replacement of Conductor	220 kV	----	<p><b>Work 1.1</b> Upgradation of existing 110 kV Bhivpuri - Kalayn corridor to 220 kV by replacing existing conductor by higher capacity conductor. STU plan reference : FY 23-24 to FY 2032-33 Scheme approved in MTC meet. Scheme approved in GCC DPR to be submitted to STU for prudence checks. <b>(a) Brief Scope of work :</b> Procurement and commissioning of 220 kV Bhivpuri Kalyan line line by new conductor stringing &amp; associated accessories. Existing corridor and towers will be utilized for the same. Modifications will done as per the engineering requirement if any. 220 kV bay commissioning at Kalyan and Bhivpuri with associated Protection, Automation and commissioning. <b>(b) Estimated Cost : Rs 400 crores</b> <b>(C) COD : March 2028</b></p>	<p><b>Work 1.1</b> Upgradation of existing 220 kV Waghivali Dharavi 7 and 8 corridor by replacing existing conductor by higher capacity conductor (HTLS) and by replacing oil filled EHV cable with higher capacity 220 kV, 1600 sqmm XLPE cable. STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Procurement and commissioning of 220 kV Waghivali Dharavi 7 and 8 HTLC conductor stringing &amp; associated accessories. Existing corridor and towers will be utilized for the same. Procurement and commissioning of 220 kV XLPE cable with associated accessories. <b>(b) Estimated Cost : Rs 200 crores</b> <b>(C) COD : March 2029</b></p>	<p><b>Work 1.1</b> Upgradation of 220 kV Trombay Carnac 5 and 6 oil filled Cable section by replacing oil filled EHV cable with higher capacity 220 kV, 1600 sqmm XLPE cable (cable length 7.5 km each) STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Procurement of 220 kV, 1600 sqmm XLPE cable and accessories, permissions of excavation for cable laying. Cable laying, reinstatement and taking into service with DTS and DAS system. <b>(b) Estimated Cost : Rs 450 crores</b> <b>(C) COD : March 2030</b></p>	<p><b>Work 1.1</b> Upgradation of 220 kV Trombay Dhaarvi 5 and 6 oil filled Cable section by replacing oil filled EHV cable with higher capacity 220 kV, 1600 sqmm XLPE cable (cable length 3.5 km each) STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Procurement of 220 kV, 1600 sqmm XLPE cable and accessories, permissions of excavation for cable laying. Cable laying, reinstatement and taking into service with DTS and DAS system. <b>(b) Estimated Cost : Rs 230 crores</b> <b>(C) COD : March 2031</b></p>
	C-4 : HTLS/ Replacement of Conductor	220 kV	----		<p><b>Work 1.1</b> Upgradation of existing 220 kV Salsette Borivali corridor by replacing existing conductor by higher capacity conductor (HTLS). STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Procurement and commissioning of 220 kV Salsette Borivali overhead line by new conductor stringing &amp; associated accessories. Existing corridor and towers will be utilized for the same. Modifications will done as per the engineering requirement if any. <b>(b) Estimated Cost : Rs 200 crores</b> <b>(C) COD : March 2029</b></p>		
10	C-4 : HTLS/ Replacement of Conductor	110 kV	---	<p><b>Work 1.2</b> Upgradation of existing 110 kV Khopoli - Bhokarpada - Karanjade corridor with 220 kV multi circuit towers and replacing existing conductor by higher capacity conductor. Tower replacement as per RLA study report. STU plan reference : FY 23-24 to FY 2032-33 Scheme approved in MTC meet. Scheme approved in GCC DPR to be submitted to STU for prudence checks. <b>(a) Brief Scope of work :</b> Procurement and commissioning of 110 kV Khopoli Karanjade overhead line by new conductor stringing &amp; associated accessories. Existing corridor and towers will be utilized for the same. Modifications will done as per the engineering requirement if any. <b>(b) Estimated Cost : Rs 450 crores</b> <b>(C) COD : March 2028</b></p>			
12	D 1 : Creation of new level	400 kV		<p><b>Work 1.1</b> Establishing connectivity between North and South Mumbai by 400 kV Phase I : Creation of 400 kV level at existing Dharavi RSS with 400 kV Tata Power Vikhroli - Dharavi S/c line. STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme submitted to Hon'ble commission for approval. <b>(a) Brief Scope of work :</b> Installation and commissioning of 400 kV Loop In Loop Out GIS Station at Tata Power Vikhroli Plot. LILO of 400 kV MSETCL Kharghar - KVTPIL Vikhroli line at Tata Power Vikhroli LILo Station. Installation and commissioning 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 Tata Power Vikhroli LILo Station to 400 kV Dharavi cable. Installation and commissioning of 02 x 125 MVAR, 400kV Variable shunt reactor. <b>(b) Estimated Cost : Rs 1258 Crores</b> <b>(C) COD : March 2027</b></p>			
	D 1 : Creation of new level	220 kV		<p><b>Work 1.1</b> Upgradation and Augmentation of existing 110 kV Powai RSS by creation of 220 kV level. STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme approved by MTC. Scheme approved by GCC. Scheme will be submitted to STU for Prudence Checks. <b>(a) Brief Scope of work :</b> Installation and commissioning of 220 kV D/C AEML Chandivali - TPCT Powai lines. Installation and commissioning of 220 kV GIS. Installation and commissioning of 02 nos of 110 kV GIS bays Installation, and commissioning of 02 x 125 MVA, 220 / 110 / 33 kV ICTS. Installation and commissioning of 33 kV GIS Bus Section based on DISCOMs requirement. Installation and commissioning of associated Protection Automation and Communication system. Construction of Control room building with electrical and mechanical auxiliaries <b>(b) Estimated Cost : Rs 400 Crores</b> <b>(C) COD : March 2028</b></p>	<p><b>Work 1.1</b> Upgradation and Augmentation of existing 110 kV Vikhroli by creation of 220 kV level. STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Installation and commissioning of 05 nos of 220 kV GIS bays with associated Protection Automation and Communication system. <b>(b) Estimated Cost : Rs 150 Crores</b> <b>(C) COD : March 2029</b></p>		

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13	D 1 : Creation of new level	220 kV	----	<p><b>Work 1.1</b> Upgradation of 110kV Kalwa-Kalyan line to 220kV and providing connectivity to 220kV MSETCL PAL S/S and 220 kV Kalyan RSS by 220 kV level creation at Kalyan S/s. Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme submitted to Hon'ble commission for approval.. <b>(a) Brief Scope of work :</b> Installation and commissioning of 220 kV GIS bays at Kalyan. Installation and commissioning of 02 nos of 110 kV GIS bays Installation, and commissioning of 02 x 250, 220 / 110 / 33 kV ICTs. Installation and commissioning of associated Protection Automation and Communication system. Upgradation of 110 kV Kalwa Kalyan line to D/c 220 kV Kalwa Kalyan line. LILO of 220 kV Kalwa Kalyan (one circuit) at MSETCL PAL S/s. Installation and commissioning of 02 nos of 220 kV bays at MSETCL PAL. <b>(b) Estimated Cost :</b> Rs 495 Crores <b>(c) COD :</b> March 2028</p>	<p><b>Work 1.1</b> Upgradation of existing 110 kV Parel S/s by creation of 220 kV level STU plan reference : FY 23-24 to FY 32-33 Scheme approved in MTC. Scheme approved in GCC. Scheme to be submitted to STU for Prudence Checks. <b>(a) Brief Scope of work :</b> Installation and commissioning of existing 110 kV Parel Mahalaxmi cable (rated 220 kV) to 220 kV level. LILo of 220 kV Trombay Carnac 5 or 6 line at 220 kV Parel S/s. Installation and commissioning of 220 kV GIS bays Installation and commissioning of 02 nos of 110 kV GIS bays Installation, and commissioning of 02 x 250 MVA, 220 / 110 / 33 kV ICTs. Installation and commissioning of associated Protection Automation and Communication system. Construction of Control room building with electrical, mechanical auxiliaries and PAC panels. <b>(b) Estimated Cost :</b> Rs 200 Crores <b>(c) COD :</b> March 2029</p>	----	----
14	D 1 : Creation of new level	33 kV	----	----	----	----	----
15	D 2 : ICT Addition	220 kV	----	----	----	<p><b>Work 1.1</b> Interconnection between 220 kV and 110 kV at Waghivali S/s by Installation of 2 x 250 MVA 220 / 110 kV ICTs at Waghivali with EHV cables. STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Installation and commissioning of 02 nos of 220 kV GIS bays Installation and commissioning of 02 nos of 110 kV GIS bays Installation, and commissioning of 02 x 250 MVA, 220 / 110 / 33 kV ICTs with EHV cable. Installation and commissioning of associated Protection Automation and Communication system. Construction of Control room building with electrical, mechanical auxiliaries and PAC panels. <b>(b) Estimated Cost :</b> Rs 65 Crores <b>(c) COD :</b> March 2030</p>	----
16	D 2 : ICT Addition	220 kV	----	----	<p><b>Work 1.2</b> Installation of additional 1 X 250 MVA, 220 kV /110 kV/ 33 kV ICT at Saki S/s STU plan reference : FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Installation and commissioning of 01 nos of 220 kV GIS bays Installation and commissioning of 01 nos of 110 kV GIS bays Installation and commissioning of 01 nos of 33 kV GIS bay Installation, and commissioning of 02 x 250 MVA, 220 / 110 / 33 kV ICTs with EHV cable. Installation and commissioning of associated Protection Automation and Communication system. <b>(b) Estimated Cost :</b> Rs 65 Crores <b>(c) COD :</b> March 2029</p>	----	----
17	D 3 : ICT Replacement	220 kV	----	----	<p><b>Work 1.1</b> Upgradation of existing 2 X 250 MVA, 220 kV /110 kV/ 22 kV (i.e. ICT 1 &amp; 2) at Borivali S/s STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Installation, and commissioning of 02 x 250 MVA, 220 / 110 / 22 kV ICTs with EHV cable. Installation and commissioning of associated Protection Automation and Communication system. <b>(b) Estimated Cost :</b> Rs 50 Crores <b>(c) COD :</b> March 2029</p>	----	----
18	D 4 : Transformer Addition	220 kV	----	<p><b>Work 1.2</b> Augmentation of Transformation capacity of Kalyan S/s by installation of 1 X 75 MVA, 220 / 22 kV Transformer along with 220 kV bay extension and installation of 22 kV GIS Bus. STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Installation, and commissioning of 01 x 75 MVA, 220 / 22 kV Transformer with EHV cable. Installation and commissioning of 01 nos of 220 kV GIS bay. Installation and commissioning of 01 nos of 22 kV GIS bus. Installation and commissioning of associated Protection Automation and Communication system. <b>(b) Estimated Cost :</b> Rs 60 Crores <b>(c) COD :</b> March 2028</p>	----	----	
19	D 4 : Transformer Addition	110 kV	----	----	----	----	----

Sr No	Particulars	Voltage Level	1st Year (FY 27)	2nd Year (FY 28)	3rd Year (FY 29)	4th Year (FY 30)	5th Year (FY 31)
20	D 5 : Transformer Replacement	110 kV	<p><b>Work 1.1</b> Augmentation of 90 MVA Transformers at Carnac to 125 MVA &amp; Augmentation of 60 MVA Transformers at Dharavi to 125 MVA. Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme to be submitted to Hon'ble commission for approval. <b>(a) Brief Scope of work :</b> Installation, and commissioning of 01 x 125 MVA, 110 / 33 kV Transformer with EHV cable at Carnac S/s. Exiting 110 kV / 33 kV, 90 MVA Transformer 4 will be replaced. Installation and commissioning of 01 nos of nos of I/C 33 kV GIS bay at Carnac S/s. Installation and commissioning of associated Protection Automation and Communication system at Carnac S/s. Installation, and commissioning of 01 x 125 MVA, 110 / 33 / 22 kV Transformer with EHV cable at Dharavi S/s. Exiting 110 kV / 22 kV, 60 MVA Transformer 5 will be replaced. Installation and commissioning of 01 nos of I/C 33 kV GIS bay at Dharavi S/s. . Installation and commissioning of associated Protection Automation and Communication system at Dharavi S/s. <b>(b) Estimated Cost :</b> Rs 60 Crores <b>(c) COD :</b> March 2027</p>	<p><b>Work 1.1</b> Upgradation of transformation capacity by Replacement of 2 nos, 110/22 kV, 7.5 MVA transformers with 2 nos, 60 MVA Transformer at Panvel S/s STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Installation, and commissioning of 02 x 60 MVA, 110 / 22 kV Transformers with EHV cable. Installation and commissioning of associated Protection Automation and Communication system. <b>(b) Estimated Cost :</b> Rs 40 Crores <b>(c) COD :</b> March 2028</p>	----	----	----
21	E 1 : Reactor New	220 kV	<p><b>Work 1.1</b> 75 MVA, 110 kV / / 33 kV / 22 kV Transformer#2 (Malad) 75 MVA, 110 kV / 33-22 kV Transformer # 3 (Saki) Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme submitted to Hon'ble commission for approval. <b>(a) Brief Scope of work :</b> Installation, and commissioning of 01 x 75 MVA, 110 / 33 - 22 kV Transformer with EHV cable at Malad S/s. Installation, and commissioning of 01 x 75 MVA, 110 / 33 - 22 kV Transformer with EHV cable at Saki S/s. Installation and commissioning of associated Protection Automation and Communication system. <b>(b) Estimated Cost :</b> Rs 35 Crores <b>(c) COD :</b> March 2027</p>	----	<p><b>Work 1.1</b> Installation of 220 kV, 1 x 125 MVAR Reactor at Borivali for Reactive Power compensation STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> 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 01 no of 220 kV bay with protection automation and communication system. <b>(b) Estimated Cost :</b> Rs 35 Crores <b>(c) COD :</b> March 2029</p>	----	----
22	H : Switchgear replacement by GIS	220 kV	<p><b>Work 1.1</b> Upgradation of existing 220 kV GIS by replacement with rated short circuit breaking capacity of 40 kA with rated short circuit breaking capacity of 63 kA. STU plan reference : FY 22-23 to FY 26-27 Scheme approved by MTC. Scheme approved by GCC. Scheme approved by STU post Prudence Checks. Scheme to be submitted to Hon'ble commission for approval. <b>(a) Brief Scope of work :</b> Installation and commissioning of 63 kA, 220 kV GIS bays with additional Bus Sectionalizes and Bus Coupler bays. Installation and commissioning of associated Protection, Automation and Communication system. <b>(b) Estimated Cost :</b> Rs 364 Crores <b>(c) COD :</b> March 2027</p>	<p><b>Work 1.1</b> Upgradation of 220 kV GIS by replacement with higher 'Breaking Current Rating' and additional bays at Dharavi S/s STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Installation and commissioning of 63 kA, 220 kV GIS bays with additional Bus Sectionalizes and Bus Coupler bays. Installation and commissioning of associated Protection, Automation and Communication system. <b>(b) Estimated Cost :</b> Rs 250 Crores <b>(c) COD :</b> March 2028</p>	----	----	----
23	H : Switchgear replacement by GIS	110 kV	<p><b>Work 1.1</b> 110 kV AIS system upgradation with GIS at Malad Station STU plan reference : FY 22-23 to FY 26-27, FY 23-24 to FY 32-33 Scheme approved by MTC. Scheme approved by GCC. Scheme will be submitted to STU for Prudence Checks. <b>(a) Brief Scope of work :</b> 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>(b) Estimated Cost :</b> Rs 150 Crores <b>(c) COD :</b> February 2027</p>	----	<p><b>Work 1.1</b> 110 kV AIS system upgradation with GIS at Grant Road S/s STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Procurement, Installation and Commissioning of 110 kV GIS bays. 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 in Control room building <b>(b) Estimated Cost :</b> Rs 150 Crores <b>(c) COD :</b> February 2029</p>	<p><b>Work 1.1</b> 110 kV AIS system upgradation with GIS at Borivali S/s STU plan reference : FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Procurement, Installation and Commissioning of 110 kV GIS bays. 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 in Control room building Civil work for construction of GIS building. <b>(b) Estimated Cost :</b> Rs 200 Crores <b>(c) COD :</b> March 2030</p>	<p><b>Work 1.1</b> 110 kV AIS system upgradation with GIS at Trombay S/s STU plan reference : FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Procurement, Installation and Commissioning of 110 kV GIS bays at Trombay. 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 in Control room building Civil work for construction of GIS building. <b>(b) Estimated Cost :</b> Rs 200 Crores <b>(c) COD :</b> March 2031</p>
24	H : Switchgear replacement by GIS	22 kV	----	<p><b>Work 1.1</b> Upgradation of MV AIS switchgear with GIS along with additional bays at Borivali S/s and Salsette S/s. STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Installation and commissioning of MV GIS bays with Protection Automation and Communication with all civil related works at Salsette and Borivali. <b>(b) Estimated Cost :</b> Rs 38 Crores <b>(c) COD :</b> March 2028</p>	----	----	----
25	I : Miscellaneous	----	<p><b>Work 1.1</b> Load Balancer for better voltage regulation at 05 key locations in TPC-T Transmission Network. STU plan reference : FY 23-24 to FY 2032-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Installation and commissioning of Static Synchronous Compensator (STATCOM) for better voltage regulation at 05 key locations in TPC-T Transmission Network with associated bay extension, civil work and Protection Automation Communication. <b>(b) Estimated Cost :</b> Rs 400 Crores <b>(c) COD :</b> March 2027</p>	<p><b>Work 1.1</b> Centralized Grid Connected Battery Energy Storage System (BESS) of 200 MW at Trombay S/s for Grid Support in Mumbai Transmission System STU plan reference : FY 23-24 to FY 2032-33 <b>(a) Brief Scope of work :</b> Installation and commissioning of 200 MW BESS comprising of Storage Batteries, Battery Management System (BMS), Power Conversion System (PCS) and Energy Management System (EMS) with associated civil works and PAC system. Installation and commissioning of 16 bays AIS switchgear with BCU. Installation and commissioning of 01 X 125 MVA, 110 / 33 kV Power Transformer with EHV cable and PAC system. Installation of associated Electrical and Mechanical auxiliaries. <b>(b) Estimated Cost :</b> Rs 900 Crores <b>(c) COD :</b> March 2028</p>	----	<p><b>Work 1.2</b> Upgradation of existing Unified SCADA STU plan reference : FY 23-24 to FY 32-33 Scheme to be discussed in MTC meet. <b>(a) Brief Scope of work :</b> Upgradation of existing Unified SCADA <b>(b) Estimated Cost :</b> Rs 90 Crores <b>(c) COD :</b> March 2030</p>	----