

Abstract: Projects Commissioned during FY 2024-25

Sr No	Category	Number of Substations	MVA Capacity			Number of lines	CKM	Reactors	
			New Substations	Augmentation of capacity by Addition+ Replacement	Total			Number	MVAR
1	MSETCL	6 (220kV New Timber Market, 132 kV Ida, 220 kV Shendra DMIC, 132 kV Samudral, 132 kV Etapalli, 132 kV Karajgaon,)	325	3015	3340	22	700.693	--	--
2	ORC	4 (132kV Partur TSS, 220kV Nagothane TSS, 110kV Rukadi TSS, 132KV Ordnance Factory Ambazari substation Only bays)	--	--	--	18	73.866	--	--
FY-2024-25		10	325	3015	3340	40	774.559	0	0

March-2025

Substation work

MSETCL

New Substations

S.n.	Substation & Scope	MBR	MVA/ MVAR	Date (COD)	Districts	Circle/Zone	Remark
1	220/33kV New Timber Market GIS (Panvel -II) 1 x 50MVA, 220/33kV T/F-I	BR 127/26 dt. 23.03.2018	50	28-06-2024	Raigad	Kalwa Washi	
2	132/33 Kv Ida substation 2x 25 MVA, 132/33kV T/Fs	BR/C-01/2022-23 Dt.14.04.22	50	04-09-2024	Dharashiv	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
3	220/33kV Shendra DMIC GIS substation 2 x 50 MVA, 220/33kV T/Fs.	BR 110/13 dt 28.07.2016	100	29-09-2024	Chhatrapati Sambhajina gar	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
4	132/33kV Samudral substation 2 x25MVA, 132/33kV T/Fs.	BR/C-02/2022-23 by circulation dtd. 14.04.2022	50	23-10-2024	Dharashiv	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
5	132/33kV Etapalli Substation 1 x25 MVA ,132/33 kV T/F	CMD/852 Dt. 29.08.2023	25	09-03-2025	Gadchiroli	Nagpur Nagpur	
6	132kV Karajgaon Substation. 2x 25 MVA, 132/33kV T/Fs	BR 143/12 dtd. 09.10.2020	50	21-03-2025	Amravati	Amravati Amravati	

Subtotal MVA / MVAR : 325

Transformer Augumentations (Projects)

S.n.	Substation & Scope	MBR	MVA/ MVAR	Date (COD)	Districts	Circle/Zone	Remark
1	220/33kV New Timber Market GIS (Panvel -II) 1 x50MVA, 220/33kV T/F-II	BR 127/26 dt. 23.03.2018	50	13-11-2024	Raigad	Kalwa Washi	
2	220/33kV Nagewadi substation 1 x50 MVA, 220/33kV T/F	BR 110/11, dtd. 28-07-2016	50	03-12-2024	Jalna	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
3	220/132kV Palghar substation 1x 100MVA, 220/132kV ICT-I	BR 121/4, dtd. 27-09-2017	100	21-02-2025	Palghar	Kalwa Washi	
4	132/33kV Allapalli substation 1 x25MVA, 132/33kV T/F-II	BR	25	29-03-2025	Gadchiroli	Chandrapur Nagpur	

Subtotal MVA / MVAR : 225

Transformer Augumentations (O&M)

S.n.	Substation & Scope	MBR	MVA/ MVAR	Date (COD)	Districts	Circle/Zone	Remark
1	132kV Khapri substation 1X25MVA, 132/33kV T/F	BR No. 149/06 dt. 02.09.2021	25	04-04-2024	Nagpur	Nagpur Nagpur	
2	220kV Jambhul substation 1x50MVA, 220/22kV T/F	BR 131/32 dt. 02.11.2018	50	02-05-2024	Thane	Panvel Washi	
3	220 KV Chalisgaon substation 1X 200 MVA, 220/132 kV ICT	BR 106/14 dt, 02.03.2016	200	30-05-2024	Jalgaon	Bhusawal Nashik	
4	220/132/33kV Jalkot substation 1 x25 MVA, 132/33kV T/F.	CMD/MSETCL/314 6 dt.17.10.2019.	25	12-06-2024	Latur	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
5	132kV Ghosekhurd substation 1X25MVA, 132/33kV T/F	BR 149/06 dt. 02.09.2021	25	26-06-2024	Bhandara	Nagpur Nagpur	

Transformer Augumentations (O&M)							
6	220kV Nalasopara substation 1X100MVA, 220/22-22kV T/F	BR 153/10 dt 29.12.2021	100	31-08-2024	Palghar	Kalwa Washi	
7	132kV Ashti substation 1X50MVA, 132/33kV T/F	Dir (Ops)/ 1575 dt.15.09.2023	50	03-10-2024	Beed	Parli Chhatrapati Sambhajinagar	
8	400kV Khadka substation 3x105MVA, 400/220/33kV ICT	BR No.138/07 dt.18.09.2019	315	22-12-2024	Jalgaon	Bhusawal Nashik	
9	100kV Nocil substation 1x50 MVA, 100/22kV T/F	BR 142/16 dt. 10.09.2020	50	08-01-2025	Thane	Kalwa Washi	
10	220kV Five star MIDC substation 1x50 MVA, 220/33kV T/F	BR No.152/09 dt.29.12.2021	50	24-03-2025	Kolhapur	Kolhapur Karad	
11	400kV Lonikand-I substation 1x50 MVA, 220/33kV T/F	BR No.142/15 dt.10.09.2020	50	27-03-2025	Pune	Pune Pune	
12	220kV Tilwani substation 1X 100 MVA, 220/33kV T/F	BR No.152/09 dt.29.12.2021	100	28-03-2025	Kolhapur	Kolhapur Karad	
13	220kV Jambhul substation 1 x50MVA, 220/22kV T/F	BR No.131/32 dt.02.11.2018	50	31-03-2025	Thane	Panvel Washi	
14	400kV Padghe substation 3x167 MVA, 400/220/33kV ICT	BR No.139/18 dt.12.12.2019	500	31-03-2025	Thane	HVDC Padghe Washi	
15	400kV Kharghar substation 3x167 MVA, 400/220/33kV ICT	BR No. 166/3 dt. 19.01.2024	500	31-03-2025	Raigad	Panvel Washi	

Subtotal MVA / MVAR : 2090

Transformer Replacements

S.n.	Substation & Scope	MBR	MVA/ MVAR	Date (COD)	Districts	Circle/Zone	Remark
1	132kV Shirwal substation 1X(50-25) MVA, 132/33kV T/F	BR 152/09 dt 29.12.2021	25	04-07-2024	Satara	Karad Karad	

Transformer Replacements							
2	220kV Walchandnagar substation 1 X (200-100) MVA 220/132kV ICT	BR 139/17 dt 12.12.2019	100	25-07-2024	Pune	Solapur Pune	
3	132kV Phaltan Substation 1X(50-25) MVA, 132/33kV T/Fs	BR 152/09 dt 29.12.2021	25	06-08-2024	Satara	Karad Karad	
4	220kV Tembhurni substation 1x(50-25)MVA, 220/33kV T/F	BR 130/07 dt 27.08.2018	25	10-08-2024	Solapur	Solapur Pune	
5	220kV Jeur substation 1 x(200-100) MVA, 220/132kV ICT	BR 154/17 dt. 19.05.2022	100	29-09-2024	Solapur	Pune Pune	
6	132kV Phaltan substation 1X(50-25) MVA, 132/33kV T/F	BR 152/09 dtd 29.12.2021	25	16-10-2024	Satara	Karad Karad	
7	110kV Ratnagiri substation 1X(50-25) MVA, 132- 110/33kV T/Fs	BR 152/09 dt. 29.12.2021	25	29-10-2024	Ratnagiri	Kolhapur Karad	
8	220kV Vairag substation 1x(50-25)MVA, 220/33kV	BR No. 155/11 dt 13.06.2022	25	05-12-2024	Solapur	Solapur Nashik	
9	220kV Jalna substation 1x(100-50) MVA, 220/33-33kV T/F	BR No. 130/06 dt 27.08.2018	50	16-12-2024	Jalna	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
10	132kV Shah substation 1X(50-25) MVA, 132/33kV T/F	CMD/MSETCL/116 2 dt. 25.11.2024	25	20-12-2024	Nashik	Nashik Nashik	
11	220kV Bhigwan substation 1X(50-25) MVA, 220/33kV T/F	BR No. 155/11 dt. 13.06.2022	25	28-12-2024	Solapur	Solapur Pune	
12	220kV Vairag substation 1x(50-25)MVA, 220/33kV	BR No. 155/11 dt 13.06.2022	25	28-12-2024	Solapur	Solapur Pune	

Transformer Replacements							
13	220kV Jalna substation 1x(100-50) MVA, 220/33-33kV T/F	BR No. 130/06 dt 27.08.2018	50	01-01-2025	Jalna	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
14	132kV Shah substation 1x (50-25) MVA, 132/33kV T/Fs	CMD/MSETCL/116 2 dt. 25.11.2024	25	05-02-2025	Nashik	Nashik Nashik	
15	220kV Colourchem substation 1x(100-50)MVA, 220/22-22kV	BR No. 152/10 dt 29.12.2021	50	02-03-2025	Thane	Kalwa Washi	
16	220kV Anand Nagar substation 1x(100-50)MVA, 220/22-22kV	BR	50	19-03-2025	Thane	Panvel Washi	
17	220kV Colourchem substation 1 x(100-50)MVA, 220/22-22kV	BR No. 152/10 dt 29.12.2021	50	25-03-2025	Thane	Kalwa Washi	

Subtotal MVA / MVAR : 700

Bus Reactor

S.n.	Substation & Scope	MBR	MVA/ MVAR	Date (COD)	Districts	Circle/Zone	Remark
1	125 MVAR, 400kV Bus Reactor at 400kV Kalwa SS 1 x 125MVAR, 400kV Bus Reactor	BR 167/45 dt 04/03/2024	125	21-08-2024	Thane	Kalwa Washi	
2	Replacement of 80MVAR Reactor by new 125MVAR Reactor along with allied equipments at 400kV Babhaleshwar SS 1 x (125-80) MVAR, 400kV Bus Reactor	BR 168/48 dt 22.07.2024	45	04-09-2024	Ahilyanagar	Nashik Nagpur	
3	125 MVAR, 400kV Bus Reactor at 400kV Thaptitanda substation 1x 125MVAR, 400kV Bus Reactor	BR 152/12 dt 29.12.2021	125	21-02-2025	Chhatrapati Sambhajina gar	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	

Bus Reactor							
4	Replacement of 80MVAR Reactor by new 125MVAR Reactor along with allied equipments at 400kV Babhaleshwar SS 1 x(125-80) MVAR, 400kV Bus Reactor	BR 168/48 dt 22.07.2024	45	24-02-2025	Ahilyanagar	Nashik Nashik	
5	Replacement of old 50MVAR Reactor by new 400kV, 125MVAR Bus Reactor along with allied equipment at 400kV Girwali Substation 1x (125-50)MVAR, 400kV Bus reactor.	BR 152/12 dt 29.12.2021	75	29-03-2025	Beed	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
Subtotal MVA / MVAR : 415							
ORC							
New Substations							
S.n.	Substation & Scope	MBR	MVA/ MVAR	Date (COD)	Districts	Circle/Zone	Remark
1	132kV Partur TSS Only Bays	CMD-2018 Dt.03.06.2019	0	10-07-2024	Jalna	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
2	220kV Nagothane TSS Only bays	BR 47 dt 19.01.2022	0	10-09-2024	Raigad	Kalwa Washi	
3	110kV Rukadi TSS only bays	CMD/MSETCL/163 9 dt. 16.03.2019	0	10-12-2024	Kolhapur	Kolhapur Karad	
4	132KV Ordnance Factory Ambazari substation Only bays	CMD/MSETCL/ No 2176 dt 26.08.2019	0	21-12-2024	Nagpur	Nagpur Nagpur	
Subtotal MVA / MVAR : 0							
51	Total MVA : 3340 Total MVAR : 415						

EHV Lines

MSETCL

S.n.	Line Name	MBR	Ckm	Date (COD)	Type	Circle/Zone	Remark
1	220KV Koradi-II - Butibori-III DCMC line.	BR 33/14 . Dt. 11.09.08 .Revised 146/23 16.03.2021	109.21 8	04-07-2024	D/C M/C	Nagpur Nagpur	
2	220kV LILO on 220 kV Bhigwan -Kurkumbh line at 400 kV Karjat S/s	BR 118/08 Dtd 15.07.2017	33.972	23-08-2024	LILO	Pune Pune	
3	LILO on 132 kV Bhoom-Paranda at 132kV Ida substation(Tap line).	BR/C-01/2022-23 dt.14.04.2022	0.756	04-09-2024	LILO	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	Now, 132kV Paranda - Ida circuit commissioned, 132kV Bhoom-Ida charged on 29.12.2023.
4	LILO on 220kV Shendra-Chitepimpalgaon line at 220kV Shendra DMIC GIS s/s	BR 110/13 dt 28.07.2016	12	11-09-2024	U/G cable	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
5	LILO on 132kV Shivajinagar- Dhule line at 132kV Sakri substation	BR 3076 dt 19.09.2019	9.2	02-10-2024	LILO	Nashik Nashik	132kV Dhule-Sakri ckt commissioned on 30.09.2024 & 132kV Huoban-Sakri on 02.10.2024.
6	2nd circuit stringing from 220 Partur S/s to 132 KV Partur S/s(Balance scope of Partur TSS)	CMD-2018 Dt.03.06.2019	5	05-10-2024	S/C D/C	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
7	LILO on 132kV Narangwadi -Omerga line at 132kV Samudral substaion.	BR/C-02/2022-23 by circulation dtd. 14.04.2022	2.492	23-10-2024	LILO	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	132kV Omerga to Samudral ss ckt commissioned.
8	220 kV line from 400kV Karjat substation to 220kV Jeur substation.	BR 118/08 Dtd 15.07.2017	101	29-10-2024	D/C D/C	Pune Pune	

S.n.	Line Name	MBR	Ckm	Date (COD)	Type	Circle/Zone	Remark
9	132kV Aundh Ambheri SCDC liine	MBR No. 122/10 dt. 30.10.2017	14.531	11-11-2024	S/C D/C	Kolhapur Karad	
10	2nd circuit stringing of 132 kV Ambad-Ghansawangi line	BR 140/17 dt.08.01.2020	27	09-12-2024	S/C	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
11	LILO on 220kV Jalna - Chikhali line at 220kV Nagewadi S/s	BR 133/22 dt 22.02.2019	3.4	31-12-2024	LILO	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
12	220 kV line from 400 kV Solapur PG to 220 kV Bale S/S (Balance M/C works from loc 37A to Bale SS)	BR 163/22 dtd 21.09.2023	27.2	02-03-2025	M/C	Pune Pune	
13	Interlink between 132kV Hingna I-Hingna II using monopole.	BR 150/08 dt. 12.10.2021	8	19-03-2025	D/C	Nagpur Nagpur	Ckt-I commissioned on 19.03.2025. Ckt-II commissioned on 17.03.2025.
14	LILO on 132kV Chandurbazar- Achalpur line for 132kV Karajgaon S/Stn.	BR 143/12 dtd. 09.10.2020	33.6	21-03-2025	LILO	Amravati Amravati	
15	220kV Kumbhargaoon-Kurunda D/C line (Pkg-B)	BR	57.02	25-03-2025	D/C	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	Line commissioned & load taken.
16	LILO on 132kV Ambad-Ghansawangi at 220kV Partur substation.	BR 98/10 dtd 16-03-2015	69.6	29-03-2025	LILO	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
17	220kV M/C LILO on 220kV Tarapur-Borivali & Boisar-Ghodbandar line for 400kV Kudus S/s	BR 112/26 dt.17-11-2016	126	29-03-2025	LILO	Kalwa Washi	LILO on Tarapur - Borivali commissioned on 29.03.2025 & LILO on Boisar-Ghodbandar on 30.03.2025.

S.n.	Line Name	MBR	Ckm	Date (COD)	Type	Circle/Zone	Remark
18	Conversion of 132 kV Kolhapur –II - Puikhadi SCSC line to 132 kV SCDC line using same RoW	CMD/717 dt. 25.07.2018	0	29-03-2025	D/C	Kolhapur Karad	Coverion of SCSC to SCDC line, so new ckm addition is Nil.
19	220KV DC Kalmeshwar-Warud Phase-III: (Loc 94-168)	BR 34/04 dt. 04-10-2008	45.25	30-03-2025	D/C	Amravati Amravati	220kV Warud substation commissioned on 220kV level & load availed.
20	Upgradation of 132 KV Niwali Phata to Ratnagiri SCDC to DCMC line Ckt-I	BR 127/12 dt.23.03.2020	0	30-03-2025	S/C D/C	Kolhapur Karad	Existing SCDC (route length 13.176 km) to DCMC conversion only one ckt commissioned, so new ckm addition is Nil.
21	Balance work of 220kV SCDC Karad- Koyna (from loc 144 to 157)	BR 117/15 dt.19-06-2017	3.5	31-03-2025	S/C D/C	Kolhapur Karad	
22	LILO on 132kV Lonand – Phaltan line for 220/132kV Phaltan MIDC substation.	BR 142/26 dtd.10.09.2020	11.9	31-03-2025	LILO	Kolhapur Karad	

Subtotal Ckm : 700.639

ORC

S.n.	Line Name	MBR	Ckm	Date (COD)	Type	Circle/Zone	Remark
1	132kV SCDC line from 132kV Soygaon S/s to 100 MW Solar Park set up by M/s. Avaada MH Green Pvt Ltd at Soygaon, Tal Soygaon, Dist, Chhatrapati Sambhajinagar.	CMD/MSETCL/103 dt 06.02.2024	8.413	05-06-2024	S/C D/C	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
2	132kV LILO on existing 220kV Jalna substation - 132kV SRJ stripes & Pipes at SRJ Petty.	CMD/MSETCL/517 dt. 02.06.2023	1.28	10-06-2024	LILO	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
3	132kV SCDC line from 132kV Sonpeth SS to 70 MW Solar Power project by M/s. Procer Energy Ltd. at Rewatanda, Tal. Sonpeth, Dist Parbhani.	BR	8.057	19-06-2024	S/C D/C	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	

S.n.	Line Name	MBR	Ckm	Date (COD)	Type	Circle/Zone	Remark
4	132kV Mantha to 50MW Solar plant of ISMT Ltd at M/s. ADICCA ESPL, at Mantha, Dist Jalna.	BR	5.5	21-06-2024	S/C D/C	Chhatrapati Sambhajinagar Chhatrapati Sambhajinagar	
5	LILO on 110kV Bidri-Dudhganga line for 8.5 MW Co-Generation plant of M/s. Reliable Sugar & Distillery Power Ltd, at Farale, Dist. Kolhapur.	CMD/MSETCL/274 dt. 06.03.2024	0.724	27-06-2024	LILO	Kolhapur Karad	
6	LILO on 132kV Karanja-Talegaon line for 100MW Solar Park project by M/s. CTRL, at Ashti, Tal. Karanja, Dist. Wardha.	CMD/MSETCL/515 dt 15.06.2023	11.768	29-06-2024	LILO	Nagpur Nagpur	
7	132 KV SCDC line from 220 KV Partur Substation to 132 KV Partur TSS (loc 205 of 132kV Partur - 220kV Partur ckt-2 to Partur TSS)	CMD-2018 Dt.03.06.2019	3.5	10-07-2024	S/C D/C	Chhatrapati Sambhajinagar Chhatrapati Sambhajinagar	
8	LILO on 220 kV Nagothane — Wadkhal line with HTLS at 220 kV Nagothane TSS.	BR 47 dt 19.01.2022	1.2	10-09-2024	LILO	Kalwa Washi	
9	LILO on 132kV Eklahare-Sinner line at 132kV Bhagwati Ferro Metal(P) Ltd.	BR	0.884	05-10-2024	LILO	Nashik Nashik	
10	132kV SCDC line from 220kV Kekatnimbhora ss to 132kV Lucerne Solar Power Park by M/s. Lucerne Solar Pvt Ltd. at Gondkhel, Jamner, Dist. Jalgaon.	CMD/MSETCL/10 Dt. 09.01.2024	1.52	29-11-2024	S/C D/C	Nashik Nashik	
11	132kV LILO on Digra-Darha line at 132kV Solar substation by M/s. Renew Green Energy Solutions.	BR	0.6	30-11-2024		Amravati Amravati	
12	132kV line from 220kV Tilwani substation to 110kV Rukadi TSS.	CMD/MSETCL/163 9 dt 16.03.2019	11.92	10-12-2024	D/C D/C	Kolhapur Karad	

S.n.	Line Name	MBR	Ckm	Date (COD)	Type	Circle/Zone	Remark
13	132kV line from 220kV Ambazari to 132kV Ordnance factory Ambazari Unit (O/H+ U/G cable)	CMD/MSETCL/ No 2176 dt 26.08.2019	3.38	21-12-2024	D/C D/C	Nagpur Nagpur	1.53 km O/H DC + 0.16 km U/G cable.
14	LILO on 132kV Jalkot-Udgir line for evacuation of 80 MW Solar Power project by M/s. Fairsun Renewable Pvt. Ltd.at Ghonsi, Jalkot Dist Latur.	CMD/359 dt. 18.03.2024	0.67	26-12-2024	LILO	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
15	LILO on 220kV Eklahare-Navsari line ckt-I for 220kV Reliance Life science GIS Substation.	BR	1.2	23-01-2025	LILO	Nashik Nashik	
16	132kV SCDC line from 220 KV Jalkot to 50 MW Solar power projects developed by M/s. T.S. Wind Power Developers at Jalkot.	BR	1.9	29-01-2025	S/C D/C	Chhatrapati Sambhajina gar Chhatrapati Sambhajina gar	
17	220kV underground cable from 220kV Ghatodi substation to 100MW Solar power park by M/s. Cyclic Energy Pvt.Ltd at Ghatodi, Tq. Pusad, Dist Yavatmal.	BR	0.3	31-01-2025	U/G cable	Amravati Amravati	
18	220kV SCDC line from 220kV Gadchandur substation to M/s. Murli Industries Ltd(M/s. Dalmia) at village-Naranda, Korpana Tehsil, Dist Chandrapur.	CMD/MSETCL/14 dt. 17.01.2023	11.05	26-03-2025	S/C D/C	Chandrapur Nagpur	
Subtotal Ckm : 73.866							
40	Total Ckm : 774.505						