

Appendix I

Note: The difference in the number of bays and lines proposed by TPC-T vis a vis proposed for amendment is because of the commissioning of the proposed assets in the existing license and added in the list of existing assets.

Major difference between proposed Bays by TPC-T and recommended by STU is because STU has not considered the changes made by TPC-T post filing the Petition as per STU plan. TPC-T in its additional submission has reduced the lines and bays which are not part of STU plan:

“Existing Transmission Lines vis a vis proposed Amendment. ”

Sr No	Voltage Level	Existing Name of Line	OH ckt km	Cable ckt km	Total ckt km	Proposed name of Line	O/H ckt km	Cable ckt km	Total ckt km	Remark
1)	220 kV	Bhira-Dharavi 7	104.10	2.80	106.90	Bhira Karanjade 7	73.66	0.14	73.80	Segregation of line in Navi Mumbai Airport area
2)	220 kV					Karanjade Waghivali 7	0.00	7.72	7.72	Segregation of line in Navi Mumbai Airport area
3)	220 kV					Waghivali Dharavi 7	24.34	3.15	27.49	Segregation of line in Navi Mumbai Airport area
4)	220 kV	Bhira-Dharavi 8	104.10	2.80	106.90	Bhira Karanjade 8	73.66	0.14	73.80	Segregation of line in Navi Mumbai Airport area
5)	220 kV					Karanjade Waghivali 8	0.00	7.72	7.72	Segregation of line in Navi Mumbai Airport area
6)	220 kV					Waghivali Dharavi 8	24.34	3.15	27.49	Segregation of line in Navi Mumbai Airport area
7)	220 kV	Borivali-Aarey 1	0.00	0.47	0.47	Borivali-Aarey 1	0.00	0.47	0.47	NC
8)	220 kV	Borivali-Aarey 2	0.00	0.51	0.51	Borivali-Aarey 2	0.00	0.51	0.51	NC

Sr No	Voltage Level	Existing Name of Line	OH ckt km	Cable ckt km	Total ckt km	Proposed name of Line	O/H ckt km	Cable ckt km	Total ckt km	Remark
9)	220 kV	Dharavi-Mahalaxmi		7.00	7.00	Dharavi-Mahalaxmi	0.00	7.00	7.00	NC
10)	220 kV	Mahalaxmi-Backbay		10.16	10.16	Mahalaxmi-Backbay	0.00	10.16	10.16	NC
11)	220 kV	Kalwa-Salsette 3	7.77	0.00	7.77	Kalwa-Salsette 3	7.77	0.00	7.77	NC
12)	220 kV	Kalwa-Salsette 4	7.77	0.00	7.77	Kalwa-Salsette 4	7.77	0.00	7.77	NC
13)	220 kV	Salsette-Borivali 1	10.97	0.10	11.07	Salsette-Borivali 1	10.97	0.10	11.07	NC
14)	220 kV	Salsette-Borivali 2	10.97	0.10	11.07	Salsette-Borivali 2	10.97	0.10	11.07	NC
15)	220 kV	Tata Borivali-MSETCL Borivali 4	1.70	0.00	1.70	Tata Borivali-MSETCL Borivali 4	1.70	0.00	1.70	NC
16)	220 kV	Tata Borivali-MSETCL Borivali 5	1.57	0.00	1.57	Tata Borivali-MSETCL Borivali 5	1.57	0.00	1.57	NC
17)	220 kV	Trombay-Carnac 5	5.16	7.23	12.39	Trombay-Carnac 5	5.16	7.23	12.39	NC
18)	220 kV	Trombay-Carnac 6	5.16	7.23	12.39	Trombay-Carnac 6	5.16	7.23	12.39	NC
19)	220 kV	Trombay-Dharavi 5	8.60	2.40	11.00	Trombay-Dharavi 5	8.60	2.40	11.00	NC
20)	220 kV	Trombay-Dharavi 6	8.60	2.40	11.00	Trombay-Dharavi 6	8.60	2.40	11.00	NC
21)	220 kV	Trombay-MSETCL Tie 1	0.85	0.00	0.85	Trombay-MSETCL Tie 1	0.85	0.00	0.85	NC
22)	220 kV	Trombay-MSETCL Tie 2	0.85	0.00	0.85	Trombay-MSETCL Tie 2	0.85	0.00	0.85	NC
23)	220 kV	3 terminal line Trombay Salsette 1	26.95	12.50	39.45	Trombay Salsette 1	24.98	0.00	24.98	Conversion of three terminal line into separate lines
24)	220 kV	Trombay Salsette 1 Backbay				Trombay Carnac 7	4.94	7.76	12.70	Conversion of three terminal line into separate lines

Sr No	Voltage Level	Existing Name of Line	OH ckt km	Cable ckt km	Total ckt km	Proposed name of Line	O/H ckt km	Cable ckt km	Total ckt km	Remark
25)	220 kV					Carnac Backbay	0.00	4.60	4.60	Conversion of three terminal line into separate lines
26)	220 kV	Trombay-Dharavi 9	8.29	2.40	10.69	Trombay-Dharavi 9	8.29	2.40	10.69	NC
27)	220 kV	Saki-Sahar	0.00	2.60	2.60	Saki-Sahar	0.00	2.60	2.60	NC
28)	220 kV	Trombay-Salsette 2	23.95		23.95	Trombay-Salsette 2	23.95	0.00	23.95	NC
29)	220 kV	Salsette-Saki	5.74	3.32	9.06	Salsette-Saki	5.74	3.32	9.06	NC
30)	220 kV	Salsette-Sahar	5.74	4.29	10.03	Salsette-Sahar	5.74	4.29	10.03	NC
31)	110 kV	Ambernath-Kalyan 1	19.85	0.00	19.85	Ambernath-Kalyan 1	19.85	0.00	19.85	NC
32)	110 kV	Ambernath-Kalyan 2	19.85	0.00	19.85	Ambernath-Kalyan 2	19.85	0.00	19.85	NC
33)	110 kV	BMC Bhandup-Kolshet	18.97	0.00	18.97	BMC Bhandup-Kolshet	18.97	0.00	18.97	NC
34)	110 kV	Bhira-Davdi	10.13	0.00	10.13	Bhira-Davdi	10.13	0.00	10.13	NC
35)	110 kV	Bhira-Khopoli 2	50.96	0.00	50.96	Bhira-Khopoli 2	50.96	0.00	50.96	NC
36)	110 kV	Bhivpuri-Ambernath 1	46.48	0.00	46.48	Bhivpuri-Ambernath 1	46.48	0.00	46.48	NC
37)	110 kV	Borivali-Malad 1	7.30	0.10	7.40	Borivali-Malad 1	7.30	0.10	7.40	NC
38)	110 kV	Borivali-Malad 2	7.30	0.10	7.40	Borivali-Malad 2	7.30	0.10	7.40	NC
39)	110 kV	Carnac-BEST-Backbay 1	0.00	4.01	4.01	Carnac-BEST-Backbay 1	0.00	4.01	4.01	NC
40)	110 kV	Carnac - Backbay 2	0.00	4.00	4.00	Carnac - Backbay 2	0.00	4.00	4.00	NC
41)	110 kV	Carnac-Grant Road	0.00	3.60	3.60	Carnac-Grant Road	0.00	3.60	3.60	NC
42)	110 kV	Chola-Kalyan 1	2.50	0.00	2.50	Chola-Kalyan 1	2.50	0.00	2.50	NC
43)	110 kV	Chola-Kalyan 2	2.50	0.00	2.50	Chola-Kalyan 2	2.50	0.00	2.50	NC
44)	110 kV	Dharavi-Mahalaxmi	0.00	6.40	6.40	Dharavi-Mahalaxmi	0.00	6.40	6.40	NC
45)	110 kV	Dharavi-Vikhroli	10.78	0.00	10.78	Dharavi-Vikhroli	10.78	0.00	10.78	NC
46)	110 kV	MSETCL Kalwa-Tata Kalyan	16.80	0.00	16.80	MSETCL Kalwa-Tata Kalyan	16.80	0.00	16.80	NC

Sr No	Voltage Level	Existing Name of Line	OH ckt km	Cable ckt km	Total ckt km	Proposed name of Line	O/H ckt km	Cable ckt km	Total ckt km	Remark
47)	110 kV	3 terminal line Kalyan-Kalwa-Salsette 1	23.30	0.00	23.30	3 terminal line Kalyan-Kalwa-Salsette 1	23.30	0.00	23.30	NC
48)	110 kV	3 terminal line Kalyan-Kalwa-Salsette 2	22.84	0.00	22.84	3 terminal line Kalyan-Kalwa-Salsette 2	22.84	0.00	22.84	NC
49)	110 kV	Khopoli-Bhivpuri Tie 1	28.67	0.00	28.67	Khopoli-Bhivpuri Tie 1	28.67	0.00	28.67	NC
50)	110 kV	Khopoli-Davdi	39.84	0.00	39.84	Khopoli-Davdi	39.84	0.00	39.84	NC
51)	110 kV	Khopoli-Chembur	63.01	1.59	64.60	Khopoli Karanjade 2	36.13	0.07	36.20	Segregation of line in Navi Mumbai Airport area
52)	110 kV					Karanjade Waghivali 2	0.00	7.72	7.72	Segregation of line in Navi Mumbai Airport area
53)	110 kV					Waghivali Chembur	21.34	0.85	22.19	Segregation of line in Navi Mumbai Airport area
54)	110 kV	Khopoli-Bhokarpada-Mankhurd	56.27	0.00	56.27	Khopoli Bhokarpada	22.75	0.00	22.75	Segregation of line in Navi Mumbai Airport area
55)	110 kV					Bhokarpada Karanjade	12.96	0.06	13.02	Segregation of line in Navi Mumbai Airport area
56)	110 kV					Karanjade Waghivali 1	0.00	7.72	7.72	Segregation of line in Navi Mumbai Airport area
57)	110 kV					Waghivali Mankhurd	15.21	0.06	15.27	Segregation of line in Navi Mumbai Airport area

Sr No	Voltage Level	Existing Name of Line	OH ckt km	Cable ckt km	Total ckt km	Proposed name of Line	O/H ckt km	Cable ckt km	Total ckt km	Remark
58)	110 kV	Malad-Versova 1	6.85	0.00	6.85	Malad-Versova 1	5.40	2.35	7.75	Over head to underground. Change in route length
59)	110 kV	Malad-Versova 2	6.85	0.00	6.85	Malad-Versova 2	5.40	2.35	7.75	Over head to underground. Change in route length
60)	110 kV	Parel-Grant Road	0.00	5.20	5.20	Parel-Grant Road	0.00	5.20	5.20	NC
61)	110 kV	Parel-Mahalaxmi 1	0.00	2.85	2.85	Parel-Mahalaxmi 1	0.00	2.85	2.85	NC
62)	110 kV	Parel-Mahalaxmi 2	0.00	3.61	3.61	Parel-Mahalaxmi 2	0.00	3.61	3.61	NC
63)	110 kV	Parel-Mankhurd	11.10	0.00	11.10	Parel-Mankhurd	11.10	0.00	11.10	NC
64)	110 kV	Salsette-BMC	3.41	0.00	3.41	Salsette-BMC	3.41	0.00	3.41	NC
65)	110 kV	Salsette-Kolshet	10.91	0.00	10.91	Salsette-Kolshet	10.91	0.00	10.91	NC
66)	110 kV	Salsette-Saki 3	7.80	0.00	7.80	Salsette-Saki 3	7.80	0.00	7.80	NC
67)	110 kV	Salsette-Saki 4	7.80	0.00	7.80	Salsette-Saki 4	7.80	0.00	7.80	NC
68)	110 kV	Salsette-Vikhroli	7.19	0.00	7.19	Salsette-Vikhroli	7.19	0.00	7.19	NC
69)	110 kV	Tata Ambernath -MSETCL Neral	40.35	0.00	40.35	Tata Ambernath -MSETCL Neral	40.35	0.00	40.35	NC
70)	110 kV	Tata Bhivpuri-MSETCL Neral	12.06	0.00	12.06	Tata Bhivpuri-MSETCL Neral	12.06	0.00	12.06	NC
71)	110 kV	Tata Borivali-MSETCL Borivali 1	1.90	0.15	2.05	Tata Borivali-MSETCL Borivali 1	1.90	0.15	2.05	NC
72)	110 kV	Tata Borivali-MSETCL Borivali 2	1.90	0.15	2.05	Tata Borivali-MSETCL Borivali 2	1.90	0.15	2.05	NC
73)	110 kV	Trombay-Carnac 1/3	4.95	7.52	12.47	Trombay-Carnac 1/3	4.95	7.52	12.47	NC
74)	110 kV	Trombay-Chembur 1	0.00	4.30	4.30	Trombay-Chembur 1	0.00	4.30	4.30	NC
75)	110 kV	Trombay-Chembur 2	0.00	4.30	4.30	Trombay-Chembur 2	0.00	4.30	4.30	NC
76)	110 kV	Trombay-Chembur 3	5.70	1.59	7.29	Trombay-Chembur 3	5.70	1.59	7.29	NC

Sr No	Voltage Level	Existing Name of Line	OH ckt km	Cable ckt km	Total ckt km	Proposed name of Line	O/H ckt km	Cable ckt km	Total ckt km	Remark
77)	110 kV	Trombay-Dharavi 1	10.36	0.00	10.36	Spare circuit of 110 kV Trombay Dharavi 1 Transmission line	5.65	0.00	5.65	Part Spare circuit utilised
78)	110 kV	Spare circuit of 110 kV Dharavi-Somaiya Plot	2.84	0.00	2.84	Spare circuit of 110 kV Dharavi-Somaiya Plot	2.84	0.00	2.84	NC
79)	110 kV	3 Terminal Line-Trombay-Parel-Wadala- 1	9.10	0.00	9.10	3 Terminal Line-Trombay-Parel-Wadala- 1	9.10	0.00	9.10	NC
80)	110 kV	Trombay-Parel 2	8.69	0.00	8.69	Trombay-Parel 2	8.69	0.00	8.69	NC
81)	110 kV	3 terminal line Trombay-Parel 3	4.95	3.64	8.59	3 terminal line Trombay-Parel 3	4.95	3.64	8.59	NC
82)	110 kV	3 Terminal Line Trombay-Parel 4-Wadala 2	10.12	0.00	10.12	3 Terminal Line Trombay-Parel 4-Wadala 2	10.12	0.00	10.12	NC
83)	110 kV	Salsette-Powai	7.19	2.79	9.97	Salsette-Powai	7.19	2.79	9.97	NC
84)	110 kV	Dharavi-Powai	10.78	2.87	13.64	Dharavi-Powai	10.78	2.87	13.64	NC
85)	110 kV	Khopoli — CRSE 2	1.02	0.00	1.02	Khopoli — CRSE 2	1.02	0.00	1.02	NC
86)	110 kV	Intermediate spare section of the 110 kV Bhira-Khopoli 2 (kept charged)	9.84	0.00	9.84	Intermediate spare section of the 110 kV Bhira-Khopoli 2 (kept charged)	9.84	0.00	9.84	NC
87)	110 kV	110 kV feeders to Distribution Licensees			0.00	110 kV feeders to Distribution Licensees	0.00	0.00	0.00	NC
88)	110 kV	Tata Backbay — BEST 1	0.00	0.14	0.14	Tata Backbay — BEST 1	0.00	0.14	0.14	NC

Sr No	Voltage Level	Existing Name of Line	OH ckt km	Cable ckt km	Total ckt km	Proposed name of Line	O/H ckt km	Cable ckt km	Total ckt km	Remark
89)	110 kV	Tata Backbay — BEST 2	0.00	0.13	0.13	Tata Backbay — BEST 2	0.00	0.13	0.13	NC
90)	110 kV	Tata Backbay —BEST 3	0.00	0.12	0.12	Tata Backbay —BEST 3	0.00	0.12	0.12	NC
91)	110 kV	Tata Backbay — BEST Nariman Point 2 Sakharbhanvan	0.00	1.25	1.25	Tata Backbay — BEST Nariman Point 2 Sakharbhanvan	0.00	1.60	1.60	Replacement of Cable. Change in Route Length
92)	110 kV	BEST Backbay — BEST Nariman Point 1 Sakharbhanvan	0.00	1.20	1.20	BEST Backbay — BEST Nariman Point 1 Sakharbhanvan	0.00	1.60	1.60	Replacement of Cable. Change in Route Length
93)	110 kV	Mahalaxmi — BEST 1	0.00	0.67	0.67	Mahalaxmi — BEST 1	0.00	0.67	0.67	NC
94)	110 kV	Mahalaxmi — BEST 2	0.00	0.67	0.67	Mahalaxmi — BEST 2	0.00	0.67	0.67	NC
95)	110 kV	Borivali — W Railway Borivali TSS- 1	0.00	2.70	2.70	Borivali — W Railway Borivali TSS- 1	0.00	2.70	2.70	NC
96)	110 kV	Borivali — W Railway Borivali TSS- 2	0.00	2.70	2.70	Borivali — W Railway Borivali TSS- 2	0.00	2.70	2.70	NC
97)	110 kV	Malad — W Railway-Jogeshwari TSS-1	0.00	0.15	0.15	Malad — W Railway-Jogeshwari TSS-1	0.00	0.15	0.15	NC
98)	110 kV	Malad — W Railway-Jogeshwari TSS-2	0.00	0.15	0.15	Malad — W Railway-Jogeshwari TSS-2	0.00	0.15	0.15	NC
99)	110 kV	110 kV feeders to Direct Consumers			0.00	110 kV feeders to Direct Consumers	0.00	0.00	0.00	NC
100)	110 kV	Trombay — HPCL 1	0.00	1.90	1.90	Trombay — HPCL 1	0.00	1.90	1.90	NC
101)	110 kV	Trombay — HPCL 2	0.00	1.90	1.90	Trombay — HPCL 2	0.00	1.90	1.90	NC

Sr No	Voltage Level	Existing Name of Line	OH ckt km	Cable ckt km	Total ckt km	Proposed name of Line	O/H ckt km	Cable ckt km	Total ckt km	Remark
102)	110 kV	Trombay — BARC 3	0.00	0.65	0.65	Trombay — BARC 3	0.00	0.65	0.65	NC
103)	110 kV	Trombay — BARC 4	0.00	0.65	0.65	Trombay — BARC 4	0.00	0.65	0.65	NC
104)	110 kV	Khopoli-Bhivpuri Tie	28.94	0.00	28.94	Khopoli-Bhivpuri Tie	28.94	0.00	28.94	NC
105)	110 kV	Dharavi-BKC 3	4.14	2.80	6.94	Dharavi-BKC 3	4.14	2.80	6.94	NC
106)	110 kV	Dharavi-BKC 4	4.14	2.80	6.94	Dharavi-BKC 4	4.14	2.80	6.94	NC
107)	110 kV	Dharavi-Kurla # 1	2.30	5.25	7.55	Dharavi BKC 5	2.59	3.48	6.07	Split of the existing Line
108)	110 kV					BKC Kurla 1	0.00	5.08	5.08	Split of the existing Line
109)	110 kV	Dharavi-Kurla # 2	2.30	5.25	7.55	Dharavi-Kurla # 2	2.30	5.25	7.55	NC
110)	220 kV					220 kV Trombay Antop Hill 1	4.71	0.66	5.37	Shifted from Proposed to existing
111)	220 kV					220 kV Trombay Antop Hill 2	4.89	0.66	5.55	Shifted from Proposed to existing
112)	220 kV					220 kV AEML-T Versova - Tata Power Versova 1	0.00	3.30	3.30	Shifted from Proposed to existing
113)	220 kV					220 kV AEML-T Versova - Tata Power Versova 2	0.00	3.30	3.30	Shifted from Proposed to existing
114)	110 kV					110 KV Carnac Backbay 3	0.00	4.20	4.20	Shifted from Proposed to existing
115)	110 kV	Missed out from inclusion in Original Licence				Spare circuit of 110 kV BMC Bhandup Borivali Transmission line	6.60	0.00	6.60	Missed out
116)	Total		1041.65	158.16	1199.81		1030.40	210.21	1240.60	

“Existing Bays at Substations with proposed for Amendment.”

Sr. No.	Name of Receiving Station	Existing no. of bays as per 2nd Licence amendment						No. of bays as per 3rd Licence amendment					
		220 kV	110 kV	33 kV	22 kV	11 kV	6.6 kV	220 kV	110 kV	33 kV	22 kV	11 kV	6.6 kV
1	Ambernath Receiving Station	0	12	0	22	0	0	0	11	0	22	0	0
2	Backbay Receiving Station	7	12	26	0	0	0	7	12	26			
3	Bhokarpada Receiving Station	0	8	17	0	0	0		8	17			
4	BKC Receiving Station	0	9	36	19	0	0		10	36	19		
5	Borivali Receiving Station	14	19	29	37	0	0	12	19	29	49		
6	Carnac Receiving Station	4	16	58	21	0	0	9	20	58	23	0	0
7	Chembur Receiving Station	0	10	0	31	4	0		10		31	4	
8	Dharavi Receiving Station	13	33	76	64	0	0	13	33	76	67		
9	Grant Road Receiving Station	0	5	0	0	0	0		5				
10	Kalyan Receiving Station	0	16	0	21	0	0		16		21		
11	Kolset Receiving Station	0	7	0	16	0	0		7		16		
12	Kurla Receiving Station	0	7	19	0	0	0		7	19			
13	Mahalaxmi Receiving Station	8	15	55	26	0	0	8	17	55	26		
14	Malad Receiving Station	0	13	0	37	0	0	0	15	0	42	0	0
15	Mankhurd Receiving Station	0	9	0	15	0	0		9		15		
16	Panvel Receiving Station	0	4	0	9	0	0		4		9		

Sr. No.	Name of Receiving Station	Existing no. of bays as per 2nd Licence amendment						No. of bays as per 3rd Licence amendment					
		220 kV	110 kV	33 kV	22 kV	11 kV	6.6 kV	220 kV	110 kV	33 kV	22 kV	11 kV	6.6 kV
17	Parel Receiving Station	0	20	36	41	0	24		20	36	41		24
18	Powai Receiving Station	0	10	27	0	0	0		10	27			
19	Sahar Receiving Station	9	0	40	0	0	0	9		40			
20	Saki Receiving Station	9	13	25	57	0	0	9	13	25	57		
21	Salsette Receiving Station	15	23	0	31	0	0	15	23		31		
22	Versova Receiving Station	0	9	29	0	0	0	7	11	29	0	0	0
23	Vikhroli Receiving Station	0	10	0	40	0	0		10		40		
24	Trombay Receiving Station	5	29	0	30	0	0	5	29		34		
25	Davdi Receiving Station	0	7	0	0	0	0		7				
26	Wadala Receiving Station	0	2	0	0	0	0		2				
27	MSETCL Receiving Station (2 Bays Borivali SS and 2 at Kalwa SS)	4	0	0	0	0	0	4					
28	Bhivpuri Receiving Station	0	1	0	0	0	0		1				
29	Antop Hill Receiving Station	0		0				7	0	30	0	0	0
30	Karanjade Switching Station	0						9	9				
31	Waghivali Switching Station	0						7	7				
	Total	88	319	473	517	4	24	121	345	503	543	4	24

“Proposed Transmission Lines : Existing vis a vis proposed Amendments Lines”

Sr. No.	Name of line as per Transmission Licence No. 1 of 2014 (Second Amendment)	Name of line as per Transmission Licence No. 1 of 2014 (Third Amendment)	Remarks
1)	220 kV Trombay Salsette # 3 & 4 Transmission Line (40.0 km, 20 km each) from Trombay Generating Station to Salsette Receiving Station	-	Removed from proposed list of lines
2)	220 kV Kalwa-Salsette # 5 Transmission Line (13.0 km) from MSETCL Kalwa Receiving Station to Tata Salsette Receiving Station	220 kV Kalwa-Salsette # 5 Transmission Line (10.0 ckt km) from Kalwa Receiving Station to Salsette Receiving Station	Maintained as part of proposed list of lines. Ckt km updated
3)	LILO of one circuit of existing 220 kV Bhira-Dharavi Transmission Line (1.0 km) at Chunabhatti Receiving Station	-	Removed from proposed list of lines
4)	220 kV, 3 terminal Transmission Line (3.0 km) between Trombay-Antop Hill- Dharavi	-	Shifted to existing list of lines
5)	220 kV AEML-T Versova — Tata Power Versova # 1 Transmission Line # (4.0km) from AEML-T Versova Receiving Station to Tata Power Versova Receiving Station	-	Shifted to existing list of lines
6)	LILO of one circuit of existing 220 kV Trombay — Chunabhatti Transmission Line (5.0 km) at Bombay Dyeing, Wadala Receiving Station	-	Removed from proposed list of lines
7)	110 kV Single Circuit Line (5 km) from Backbay Receiving Station to 220 kV Carnac Receiving Station.	-	Shifted to existing list of lines
8)	110 kV Salsette - BKC Transmission Line (10.0 km) from TPC-T 220 kV Salsette Receiving Station to TPC-T BKC Receiving Station	110 kV Salsette - BKC Transmission Underground Cable (18.0 km) from TPC-T 220 kV Salsette Receiving Station to TPC-T BKC Receiving Station	Maintained as part of proposed list of lines. Ckt km updated
9)	220 kV AEML-T Versova — TPC Versova # 2 Transmission Line # (4.0 km) from AEML-T Versova Receiving Station to Tata Power Versova Receiving Station	-	Shifted to existing list of lines
10)	220 kV Trombay-Antop Hill Transmission Line (4.0 km) from Trombay Generating Station to Antop Hill Receiving Station	-	Shifted to existing list of lines
11)	220 kV Bhira-Karanjade 1 Transmission Line (70.0 km) from Bhira Generating Station to Karanjade Switching Station	-	Shifted to existing list of lines

Sr. No.	Name of line as per Transmission Licence No. 1 of 2014 (Second Amendment)	Name of line as per Transmission Licence No. 1 of 2014 (Third Amendment)	Remarks
12)	220 kV Bhira-Karanjade 2 Transmission Line (70.0 km) from Bhira Generating Station to Karanjade Switching Station	-	Shifted to existing list of lines
13)	220 kV Karanjade-Waghivali 1 Transmission Line (10.0 km) from Karanjade Switching Station to Waghivali Switching Station	-	Shifted to existing list of lines
14)	220 kV Karanjade-Waghivali 2 Transmission Line (10.0 km) from Karanjade Switching Station to Waghivali Switching Station	-	Shifted to existing list of lines
15)	220 kV Waghivali -Dharavi 1 Transmission Line (30.0 km) from Waghivali Switching Station to Dharavi Receiving Station	-	Shifted to existing list of lines
16)	220 kV Waghivali -Dharavi 2 Transmission Line (30.0 km) from Waghivali Switching Station to Dharavi Receiving Station	-	Shifted to existing list of lines
17)	220 kV Versova-Vile Parle 1 Transmission Line (6.0 km) from Versova Receiving Station to Vile Parle Receiving Station	220 kV Versova-Vile Parle 1 Transmission Line (4.0 ckt km) from Versova Receiving Station to Vile Parle Receiving Station	Maintained as part of proposed list of lines. Ckt km updated
18)	220 kV Versova-Vile Parle 2 Transmission Line (6.0 km) from Versova Receiving Station to Vile Parle Receiving Station	220 kV Versova-Vile Parle 2 Transmission Line (4.0 ckt km) from Versova Receiving Station to Vile Parle Receiving Station	Maintained as part of proposed list of lines. Ckt km updated
19)	220 kV Borivali-Goregaon Transmission Line (8.0 km) from Borivali Receiving Station to Goregaon Receiving Station	220 kV Borivali-Goregaon Transmission Line (8.0 ckt km) from Borivali Receiving Station to Goregaon Receiving Station	NC
20)	220 kV Sahar-Goregaon Transmission Line (8.0 km) from Sahar Receiving Station to Goregaon Receiving Station	220 kV Sahar-Goregaon Transmission Line (8.0 ckt km) from Sahar Receiving Station to Goregaon Receiving Station	NC
21)	220 kV TPC-T Waghivali - MSETCL Waghivali 1 Transmission Line (3 km) from Tata Power Waghivali Switching Station to MSETCL Waghivali Substation	220 kV TPC-T Waghivali - MSETCL Waghivali 1 Transmission Line (3.0 ckt km) from Tata Power Waghivali Switching Station to MSETCL Waghivali Substation	NC
22)	220 kV TPC-T Waghivali - MSETCL Waghivali 2 Transmission Line (3 km) from Tata Power Waghivali Switching Station to MSETCL Waghivali Substation	220 kV TPC-T Waghivali - MSETCL Waghivali 2 Transmission Line (3.0 ckt km) from Tata Power Waghivali Switching Station to MSETCL Waghivali Substation	NC
23)	220 kV Trombay Parel Transmission Line (13 km) from Trombay Generating Station to	-	Removed from proposed list of lines

Sr. No.	Name of line as per Transmission Licence No. 1 of 2014 (Second Amendment)	Name of line as per Transmission Licence No. 1 of 2014 (Third Amendment)	Remarks
	Parel Receiving Station		
24)	220 kV Parel-Carnac Transmission Line (10 km) from Parel Receiving Station to Carnac Receiving Station	-	Removed from proposed list of lines
25)	220 kV 3 terminal line Trombay Salsette 1 Carnac Transmission Line (35 km) originating at Trombay Generating Station and terminating at Salsette Receiving Station and Carnac Receiving Station	-	Shifted to existing list of lines
26)	220 kV Carnac- Backbay Transmission Line (6 km) from Carnac Receiving Station to Backbay Receiving Station	-	Shifted to existing list of lines
27)	LILO of 220 kV Dharavi Mahalaxmi Line (2 km) at Worli Receiving Station	LILO of 220 kV Dharavi Mahalaxmi Transmission Underground Cable (2.0 ckt km) at Worli Receiving Station	NC
28)	110 kV Khopoli-Karanjade 1 Transmission Line (45.0 km) from Khopoli Generating Station to Karanjade Switching Station	-	Shifted to existing list of lines
29)	110 kV Khopoli-Karanjade 2 Transmission Line (45.0 km) from Khopoli Generating Station to Karanjade Switching Station.	-	Shifted to existing list of lines
30)	110 kV Karanjade-Waghivali 1 Transmission Line (10.0 km) from Karanjade Switching Station to Waghivali Switching Station	-	Shifted to existing list of lines
31)	110 kV Karanjade-Waghivali 2 Transmission Line (10.0 km) from Karanjade Switching Station to Waghivali Switching Station	-	Shifted to existing list of lines
32)	110 kV Waghivali -Mankhurd Transmission Line (20.0 km) from Waghivali Switching Station to Mankhurd Receiving Station	-	Shifted to existing list of lines
33)	110 kV Waghivali -Chembur Transmission Line (30.0 km) from Waghivali Switching Station to Chembur Receiving Station	-	Shifted to existing list of lines
34)	110 kV Kurla-BKC Transmission Line (5.0 km) from TPC-T Kurla Receiving Station to TPC-T BKC Receiving Station	-	Shifted to existing list of lines
35)	110 kV Saki - Kurla Transmission Line (5.0 km) from TPC-T Saki Receiving Station to	110 kV Saki - Kurla Transmission Line (5.0 ckt km) from TPC-T Saki Receiving	NC

Sr. No.	Name of line as per Transmission Licence No. 1 of 2014 (Second Amendment)	Name of line as per Transmission Licence No. 1 of 2014 (Third Amendment)	Remarks
	TPC-T Kurla Receiving Station	Station to TPC-T Kurla Receiving Station	
36)		LILO of 220 kV Trombay Dharavi Lines (1.0 ckt km) at New Dharavi Receiving Station	New line proposed as per approved 5 year STU plan
37)		LILO of 220 kV Trombay-Carnac at MbPT 1 U/G cable (2.0 km)	New line proposed as per approved 5 year STU plan
38)		LILO of 220 kV Trombay-Carnac at MbPT 2 U/G cable (2.0 km)	New line proposed as per approved 5 year STU plan
39)		Trombay to Dharavi and Salsette (Interconnection with Saki) (Multi-circuit) (59.0 ckt km)	New line proposed as per approved 5 year STU plan
40)		220 kV Trombay Dharavi 5 Transmission line and Underground cable (12.10 ckt km) from Trombay Generating Station to Dharavi Receiving Station (Net addition of 1.1 ckt km post oil filled cable replacement by XLPE cable)	New line proposed as per approved 5 year STU plan
41)		220 kV Trombay Dharavi 6 Transmission line and Underground cable (12.10 ckt km) from Trombay Generating Station to Dharavi Receiving Station (Net addition of 1.1 ckt km post oil filled cable replacement by XLPE cable)	New line proposed as per approved 5 year STU plan
42)		110 kV Trombay Carnac 3 Transmission Line and Underground Cable (13.45 ckt km) from Trombay Generating Station to Carnac Receiving Station (Net addition of 0.98 ckt km post oil filled cable replacement by XLPE cable)	New line proposed as per approved 5 year STU plan
43)		110 kV Trombay Parel 3 Transmission Line and Underground Cable (9.95 ckt km) from Trombay Generating Station to Parel Receiving Station (Net addition of 1.36 ckt km post oil filled cable replacement by XLPE cable)	New line proposed as per approved 5 year STU plan
44)		110 kV Parel-Mahalaxmi 1 Transmission Underground Cable (6.0 ckt km) from Parel Receiving Station to Mahalaxmi Receiving Station (Net addition of 3.15 ckt km post oil filled cable replacement by XLPE cable)	New line proposed as per approved 5 year STU plan
45)		110 kV Dharavi-Mahalaxmi Transmission Underground Cable (7.0 ckt km) from Dharavi	New line proposed as per approved 5 year STU plan

Sr. No.	Name of line as per Transmission Licence No. 1 of 2014 (Second Amendment)	Name of line as per Transmission Licence No. 1 of 2014 (Third Amendment)	Remarks
		Receiving Station to Mahalaxmi Receiving Station (Net addition of 0.60 ckt km post oil filled cable replacement by XLPE cable)	
46)		110 kV Parel-Grant Road Transmission Underground Cable (6 ckt km) from Parel Receiving Station to Grant Road Receiving Station (Net addition of 0.80 ckt km post oil filled cable replacement by XLPE cable)	New line proposed as per approved 5 year STU plan
47)		110 kV Carnac-Grant Road Transmission Underground Cable (6 ckt km) from Carnac Receiving Station to Grant Road Receiving Station (Net addition of 2.4 ckt km post oil filled cable replacement by XLPE cable)	New line proposed as per approved 5 year STU plan
48)		LILO of 110 kV Khopoli Karanjade Transmission line-2	New line proposed as per approved 5 year STU plan
49)		110 kV Trombay Chembur 1 Transmission Underground Cable (5.80 ckt km) from Trombay Receiving Station to Chembur Receiving Station (Net addition of 1.50 ckt km post oil filled cable replacement by XLPE cable)	New line proposed as per approved 5 year STU plan
50)		111 kV Trombay Chembur 2 Transmission Underground Cable (5.80 ckt km) from Trombay Receiving Station to Chembur Receiving Station (Net addition of 1.50 ckt km post oil filled cable replacement by XLPE cable)	New line proposed as per approved 5 year STU plan

“Comparison of Proposed List Bays vis a vis proposed for Amendments of EHV Substation Bays”

220 kV Substation:

Sr.	Name of SS	As per Transmission Licence No. 1 of 2014 (Second Amendment)				As per Transmission Licence No. 1 of 2014 (Third Amendment)				Remarks
		220 kV	110 kV	33 kV	22 kV	220 kV	110 kV	33 kV	22 kV	
		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	
1	Antop Hill Receiving Station	9	0	34	0	-	-	-	-	Shifted to Existing list of bays
2	Borivali Receiving Station	0	0	0	0	-	-	-	-	No Change

Sr.	Name of SS	As per Transmission Licence No. 1 of 2014 (Second Amendment)				As per Transmission Licence No. 1 of 2014 (Third Amendment)				Remarks
		220 kV	110 kV	33 kV	22 kV	220 kV	110 kV	33 kV	22 kV	
		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	
3	Carnac Receiving Station	1	0	0	0	-	-	-	-	Shifted to Existing list of bays
4	Chunabhatti Receiving Station	9	0	0	0	0	0	0	0	Removed from proposed list of bays
5	Dharavi Receiving Station	4	0	0	0	0	-2	0	0	Change in proposed no. of bays
6	Goregaon Receiving Station	9	0	30	0	7	0	15	0	Change in proposed no. of bays
7	MSETCL Kalwa Receiving Station	1	0	0	0	1	0	0	0	No Change
8	Karanjade Switching Station	14	0	0	0	-	-	-	-	Shifted to Existing list of bays
9	MSETCL Waghivali Switching Station	2	0	0	0	2	0	0	0	No Change
10	Parel Receiving Station	7	24	31	0	0	0	0	0	Removed from proposed list of bays
11	Salsette Receiving Station	4	0	0	0	1	0	0	0	Change in proposed no. of bays
12	Tata Power Waghivali Switching Station	2	0	0	0	4	2	0	0	Change in proposed no. of bays
13	Trombay Generating Station	1	0	0	0	2				Change in proposed no. of bays
14	Versova Receiving Station	9	0	21	0	-	-	-	-	Shifted to Existing list of bays
15	Vile-Parle Receiving Station	7	0	30	0	7	0	13	0	Change in proposed no. of bays
16	Waghivali Switching Station	14	0	0	0	-	-	-	-	Shifted to Existing list of bays
17	Worli Receiving Station	9	0	27	0	7	0	15	0	Change in proposed no. of bays
18	Saki Receiving Station	-	-	-	-	0	0	0	4	New proposed bays as per approved STU 5 year plan
19	New Dharavi Receiving Station	-	-	-	-	7		13		New proposed bays as per approved STU 5 year plan
20	MBPT Receiving Station	-	-	-	-	7	0	15	0	New proposed bays as per approved STU 5 year plan

110 kV Substation:

Sr.	Name of SS	As per Transmission Licence No. 1 of 2014				As per Transmission Licence No. 1 of 2014				Remarks
		(Second Amendment)				(Third Amendment)				
		220 kV	110 kV	33 kV	22 kV	220 kV	110 kV	33 kV	22 kV	
		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	
21	Carnac Receiving Station		18	0	0		-	-	-	Shifted to Existing list of bays
22	Dharavi Receiving Station		43	0	0		-	-	-	Removed from proposed list of bays
23	Mahalaxmi Receiving Station		2	0	0		-	-	-	Shifted to Existing list of bays
24	Malad Receiving Station		2	0	0		-	-	-	Shifted to Existing list of bays
25	Parel Receiving Station		0	0	2		6	0	0	Change in proposed no. of bays
26	Saki Receiving Station		0	0	0		-	-	-	No Change
27	Trombay Receiving Station		1	0	0		-	-	-	Removed from proposed list of bays
28	Versova Receiving Station		2	0	0					Shifted to Existing list of bays
29	Vikhroli Receiving Station		21	0	21		8	0	0	Change in proposed no. of bays
30	Ambernath Receiving Station		-	-	-		0	0	2	New proposed bays as per approved STU 5 year plan
31	Central Railway Dativali TSS		-	-	-		5	0	0	New proposed bays as per approved STU 5 year plan
32	Central Railway Kanjurmarg TSS		-	-	-		5	0	0	New proposed bays as per approved STU 5 year plan
33	Chembur Receiving Station		-	-	-		0	0	3	New proposed bays as per approved STU 5 year plan
34	IIT Powai		-	-	-		0	0	0	Removed from proposed list of bays
35	Metro Mandale TSS		-	-	-		5	0	0	New proposed bays as per approved STU 5 year plan
36	Metro Wadala TSS		-	-	-		5	0	0	New proposed bays as per approved STU 5 year plan

All the terms and conditions of the Original Transmission Licence No. 1 of 2014 issued by the Commission will continue to be applicable to the Third amendment to Licence.