

Transmission Licence No. 1 of 2014 (Second Amendment)

In pursuance of the Commission's Order dated 11 March, 2021 in Case No. 249 of 2019, amendments are made in the Transmission Licence granted to Tata Power Company Ltd. The revised list of "Existing Transmission Lines", "Proposed – List of Transmission Lines", "Existing Bays at Sub-station" and "Proposed List of Bays" that the Transmission Licensee is authorized to establish and operate, inclusive of the related infrastructure, after the second amendment is as follows:

"Existing Transmission Lines"

220 kV Lines:

1. 220 kV Bhira-Dharavi 7 Transmission Line (106.9 km) from Bhira Generating Station to Dharavi Receiving Station
2. 220 kV Bhira-Dharavi 8 Transmission Line (106.9 km) from Bhira Generating Station to Dharavi Receiving Station
3. 220 kV Borivali-Aarey 1 Transmission Line (0.47 km) Underground Cable Section from Tata Borivali Receiving Station to AEML-T Aarey Receiving Station (Gantry located at Magothane)
4. 220 kV Borivali-Aarey 2 Transmission Line (0.51 km) Underground Cable Section from Tata Borivali Receiving Station to AEML-T Borivali Receiving Station
5. 220 kV Dharavi- Mahalaxmi Transmission Line- Underground Cable (7.00 km) from Dharavi Receiving Station to Mahalaxmi Receiving Station
6. 220 kV Mahalaxmi-Backbay Transmission Line- Underground Cable (10.16 km) originating at Mahalaxmi Receiving Station and terminating at Backbay Receiving Station
7. 220 kV Kalwa-Salsette 3 Transmission Line (7.77 km) from MSETCL Kalwa Receiving Station to Salsette Receiving Station
8. 220 kV Kalwa-Salsette 4 Transmission Line (7.77 km) from MSETCL Kalwa Receiving Station to Salsette Receiving Station

9. 220 kV Salsette-Borivali 1 Transmission Line (11.07 km) from Salsette Receiving Station to Borivali Receiving Station
10. 220 kV Salsette-Borivali 2 Transmission Line (11.07 km) from Salsette Receiving Station to Borivali Receiving Station
11. 220 kV Tata Borivali-MSETCL Borivali 4 Transmission Line (1.7 km) from Borivali Receiving Station to MSETCL Borivali Receiving Station
12. 220 kV Tata Borivali-MSETCL Borivali 5 Transmission Line (1.57 km) from Borivali Receiving Station to MSETCL Borivali Receiving Station
13. 220 kV Trombay-Carnac 5 Transmission Line and Underground Cable (12.39 km) from Trombay Receiving Station to Carnac Receiving Station
14. 220 kV Trombay-Carnac 6 Transmission Line and Underground Cable (12.39 km) from Trombay Receiving Station to Carnac Receiving Station
15. 220 kV Trombay-Dharavi 5 Transmission Line and Underground Cable (11.00 km) from Trombay Receiving Station to Dharavi Receiving Station
16. 220 kV Trombay-Dharavi 6 Transmission Line and Underground Cable (11.00 km) from Trombay Receiving Station to Dharavi Receiving Station
17. 220 kV Trombay-MSETCL Tie 1 Transmission Line (0.85 km) from Trombay Generating Station to MSETCL-Trombay Receiving Station
18. 220 kV Trombay-MSETCL Tie 2 Transmission Line (0.85 km) from Trombay Generating Station to MSETCL-Trombay Receiving Station
19. 220 kV, 3 terminal line Trombay Salsette 1 Backbay Transmission Line and Underground Cable (39.45 km) originating at Trombay Generating Station and terminating at Salsette Receiving Station and Backbay Receiving Station
20. 220 kV Trombay-Dharavi 9 Transmission Line and Underground Cable (10.69 km) from Trombay Receiving Station to Dharavi Receiving Station
21. 220 kV Saki-Sahar Transmission Line (Underground Cable) from (2.6 km) from Saki Receiving Station to Sahar Receiving Station
22. 220 kV Trombay-Salsette 2 Transmission Line (23.95 km) from Trombay Generating Station to Salsette Receiving Station
23. 220 kV Salsette-Saki Transmission line and Underground Cable (9.06 km) from Salsette Receiving Station to Saki Receiving Station
24. 220 kV Salsette-Sahar Transmission line and Underground Cable (10.03 km) from Salsette Receiving Station to Sahar Receiving Station

110 kV Lines

25. 110 kV Ambernath-Kalyan 1 Transmission Line (19.85 km) from Ambernath Receiving Station to Kalyan Receiving Station
26. 110 kV Ambernath-Kalyan 2 Transmission Line (19.85 km) from Ambernath Receiving Station to Kalyan Receiving Station
27. 110 kV BMC Bhandup-Kolshet Transmission Line (18.97 km) from BMC Bhandup Receiving Station to Kolshet Receiving Station
28. 110 kV Bhira-Davdi Transmission Line (10.13 km) from Bhira Generating Station to Davdi Switching Station
29. 110 kV Bhira-Khopoli 2 Transmission Line (50.96 km) from Bhira Generating Station to Khopoli Generating Station
30. 110 kV Bhivpuri-Ambernath 1 Transmission Line (46.48 km) from Bhivpuri Generating Station to Ambernath Receiving Station
31. 110 kV Borivali-Malad 1 Transmission Line (7.4 km) from Borivali Receiving Station to Malad Receiving Station
32. 110 kV Borivali-Malad 2 Transmission Line (7.4 km) from Borivali Receiving Station to Malad Receiving Station
33. 110 kV Carnac-BEST-Backbay 1 Transmission Line- Underground Cable (4.01 km) from Carnac Receiving Station to BEST Backbay Receiving Station
34. 110 kV Carnac -Backbay 2 Transmission Line- Underground Cable (4.00 km) from Carnac Receiving Station to Backbay Receiving Station
35. 110 kV Carnac-Grant Road Transmission Line- Underground Cable (3.6 km) from Carnac Receiving Station to Grant Road Receiving Station
36. 110 kV Chola-Kalyan 1 Transmission Line (2.5 km) from Chola Sub-Station to Kalyan Receiving Station
37. 110 kV Chola-Kalyan 2 Transmission Line (2.5 km) from Chola Sub-Station to Kalyan Receiving Station
38. 110 kV Dharavi-Mahalaxmi Transmission Line- Underground Cable (6.4 km) from Dharavi Receiving Station to Mahalaxmi Receiving Station
39. 110 kV Dharavi-Vikhroli Transmission Line (10.78 km) from Dharavi Receiving Station to Vikhroli Receiving Station
40. 110 kV MSETCL Kalwa- Tata Kalyan Transmission Line (16.80 km) from MSETCL Kalwa Receiving Station to Tata Kalyan Receiving Station
41. 110 kV, 3 terminal line Kalyan-Kalwa-Salsette 1 Transmission Line (23.3 km) originating at Tata Kalyan Receiving Station and terminating at MSETCL Kalwa Receiving Station and Tata Salsette Receiving Station

42. 110 kV, 3 terminal line Kalyan-Kalwa-Salsette 2 Transmission Line (22.84 km) originating at Tata Kalyan Receiving Station and terminating at MSETCL Kalwa Receiving Station and Tata Salsette Receiving Station
43. 110 kV Khopoli-Bhivpuri Tie 1 Transmission Line (28.67 km) from Khopoli Generating Station to Bhivpuri Generating Station
44. 110 kV Khopoli-Davdi Transmission Line (39.84 km) from Khopoli Generating Station to Davdi Switching Station
45. 110 kV, Khopoli-Chembur Transmission Line (64.6 km) from Khopoli Generating Station to Chembur Receiving Station .
46. 110 kV Khopoli-Bhokarpada-Mankhurd Transmission Line (56.27 km) (Bhokarpada was earlier known as Ixora) from Khopoli Generating Station to Mankhurd Receiving Station
47. 110 kV Malad-Versova 1 Transmission Line (6.85 km) from Malad Receiving Station to Versova Receiving Station
48. 110 kV Malad-Versova 2 Transmission Line (6.85 km) from Malad Receiving Station to Versova Receiving Station
49. 110 kV Parel-Grant Road Transmission Line Underground Cable (5.2 km) from Parel Receiving Station to Grant Road Receiving Station
50. 110 kV Parel-Mahalaxmi 1 Transmission Line- Underground Cable (2.85 km) from Parel Receiving Station to Mahalaxmi Receiving Station.
51. 110 kV Parel-Mahalaxmi 2 Transmission line- Underground Cable (3.61 km) from Parel Receiving Station to Mahalaxmi Receiving Station
52. 110 kV Parel-Mankhurd Transmission Line (11.1 km) from Parel Receiving Station to Mankhurd Receiving Station
53. 110 kV Salsette-BMC Transmission Line (3.41 km) from Salsette Receiving Station to BMC Bhandup Receiving Station
54. 110 kV Salsette-Kolshet Transmission Line (10.91 km) from Salsette Receiving Station to Kolshet Receiving Station
55. 110 kV Salsette-Saki 3 Transmission Line (7.8 km) from Salsette Receiving Station to Saki Receiving Station
56. 110 kV Salsette-Saki 4 Transmission Line (7.8 km) from Salsette Receiving Station to Saki Receiving Station
57. 110 kV Salsette-Vikhroli Transmission Line (7.19 km) from Salsette Receiving Station to Vikhroli Receiving Station
58. 110 kV Tata Ambernath-MSETCL Neral Transmission Line (40.35 km) from Ambernath Receiving Station to MSETCL Neral Receiving Station

59. 110 kV Tata Bhivpuri-MSETCL Neral Transmission Line (12.06 km) from Bhivpuri Generating Station to MSETCL Neral Receiving Station
60. 110 kV Tata Borivali-MSETCL Borivali 1 Transmission Line (2.05 km) from Tata Borivali Receiving Station to MSETCL Borivali Receiving Station
61. 110 kV Tata Borivali-MSETCL Borivali 2 Transmission Line (2.05 km) from Tata Borivali Receiving Station to MSETCL Borivali Receiving Station
62. 110 kV Trombay-Carnac 1/3 Transmission Line and Underground Cable (12.47 km) from Trombay Receiving Station to Carnac Receiving Station
63. 110 kV Trombay-Chembur 1 Transmission Line- Underground (4.3 km) from Trombay Receiving Station to Chembur Receiving Station
64. 110 kV Trombay-Chembur 2 Transmission Line- Underground (4.3 km) from Trombay Receiving Station to Chembur Receiving Station
65. 110 kV Trombay-Chembur 3 Transmission Line and Underground Cable (7.29 km) from Trombay Receiving Station to Chembur Receiving Station
66. 110 kV Trombay-Dharavi 1 Transmission Line (10.36 km) from Trombay Receiving Station to Dharavi Receiving Station
67. Spare circuit of 110 kV Dharavi-Somaiya Plot Transmission line (2.84 km) from Dharavi Receiving Station to Somaiya Plot (Tower location 33)
68. 110 kV, 3 Terminal Line- Trombay-Parel-Wadala- 1 Transmission Line (9.10 km) originating from Trombay Receiving Station and terminating at Parel Receiving Station and Central Railway, Wadala Receiving Station
69. 110 kV Trombay-Parel 2 Transmission Line (8.69 km) from Trombay Receiving Station to Parel Receiving Station
70. 110 kV, 3 terminal line Trombay-Parel 3 Transmission Line and Underground Cable (8.59 km) originating at Trombay Receiving Station and terminating at Parel Receiving Station
71. 110 kV, 3 Terminal Line Trombay-Parel 4-Wadala 2 Transmission Line (10.12 km) originating from Trombay Receiving Station and terminating at Parel Receiving Station and Central Railway, Wadala Receiving Station
72. 110 kV Salsette-Powai Transmission Line and Underground Cable (9.97 km) from Salsette Receiving Station to Powai Receiving Station
73. 110 kV Dharavi-Powai Transmission Line and Underground Cable (13.64 km) from Dharavi Receiving Station to Powai Receiving Station
74. 110 kV Khopoli — CRSE 2 Transmission Line (1.02 km) from Khopoli Generating Station to Central Railway South East Receiving Station
75. Intermediate spare section of the 110 kV Bhira-Khopoli 2 Transmission Line (9.84 km) from Devnhave to Katkarwadi kept charged from Khopoli Generating Station

76. 110 kV feeders to Distribution Licensees (9.88 km):
 - a. 110 kV Tata Backbay — BEST 1 feeder– Underground Cable (0.14 km)
 - b. 110 kV Tata Backbay — BEST 2 feeder– Underground Cable (0.13 km)
 - c. 110 kV Tata Backbay —BEST 3 feeder– Underground Cable (0.12 km)
 - d. 110 kV Tata Backbay — BEST Nariman Point 2 Sakharbhavan feeder-
Underground Cable (1.25 km)
 - e. 110 kV BEST Backbay — BEST Nariman Point 1 Sakharbhavan feeder-
Underground Cable (1.2 km)
 - f. 110 kV Mahalaxmi — BEST 1 feeder-- Underground Cable (0.67 km)
 - g. 110 kV Mahalaxmi — BEST 2 feeder-- Underground Cable (0.67 km)
 - h. 110 kV Borivali — W Railway Borivali TSS- 1 feeder– Underground Cable (2.7
km)
 - i. 110 kV Borivali — W Railway Borivali TSS- 2 feeder– Underground Cable (2.7
km)
 - j. 110 kV Malad — W Railway- Jogeshwari TSS-1 feeder-(Underground Cable upto
Gantry) (0.15 km)
 - k. 110 kV Malad — W Railway- Jogeshwari TSS-2 feeder-(Underground Cable upto
Gantry) (0.15 km)
77. 110 kV feeders to Direct Consumers (5.1 km)
 - a. 110 kV Trombay — HPCL 1 feeder (1.9 km)
 - b. 110 kV Trombay — HPCL 2 feeder (1.9 km)
 - c. 110 kV Trombay — BARC 3 (Gantry) feeder (0.65 km)
 - d. 110 kV Trombay — BARC 4 (Gantry) feeder (0.65 km)
78. 110 kV Khopoli-Bhivpuri Tie Transmission Line 2 (28.94 km) from Khopoli Receiving Station to Bhivpuri Receiving Station
79. 110 kV Dharavi-BKC 3 Transmission line and Underground Cable (6.94 km) from Dharavi Receiving Station to BKC Receiving Station
80. 110 kV Dharavi-BKC 4 Transmission line and Underground Cable (6.94 km) from Dharavi Receiving Station to BKC Receiving Station
81. 110 kV Dharavi-Kurla # 1 Transmission Line and Underground Cable (7.55 km) from Dharavi Receiving Station to Kurla Receiving Station
82. 110 kV Dharavi-Kurla # 2 Transmission Line Underground Cable (7.55 km) from Dharavi Receiving Station to Kurla Receiving Station

“Existing Bays at Sub-stations”

220 kV Substation					
Sr.No.	Name of SS	220 kV (a)	110 kV (b)	33 kV (c)	22 kV /11 kV (d)
1	Backbay Receiving Station	7	12	26	0
2	Borivali Receiving Station	14	19	29	37
3	Carnac Receiving Station	4	16	58	21
4	Dharavi Receiving Station	13	33	76	64
5	Mahalaxmi Receiving Station	8	0	55	0
6	MSETCL Receiving Station(2 Bays Borivali SS and 2 at Kalwa SS)	4	0	0	0
7	Sahar Receiving Station	9	0	40	0
8	Saki Receiving Station	9	13	25	57
9	Salsette Receiving Station	15	23	0	31
10	Trombay Receiving Station	5	29	0	30

110 kV Substation					
Sr.No.	Name of SS	110 kV (a)	33 kV (b)	22 kV (c)	11 kV/6.6 kV (d)
11	Ambernath Receiving Station	12	0	22	0
12	Bhivpuri Receiving Station	1	0	0	0
13	Bhokarpada Receiving Station	8	17	0	0
14	BKC Receiving Station	9	36	19	0
15	Chembur Receiving Station	10	0	31	4
16	Davdi Receiving Station	7	0	0	0
17	Grant Road Receiving Station	5	0	0	0
18	Kurla Receiving Station	7	19	0	0
19	Kalyan Receiving Station	16	0	21	0
20	Kolset Receiving Station	7	0	16	0
21	Mahalaxmi Receiving Station	15	0	26	0
22	Malad Receiving Station	13	0	37	0
23	Mankhurd Receiving Station	9	0	15	0
24	Panvel Receiving Station	4	0	9	0
25	Parel Receiving Station	20	36	41	24
26	Powai Receiving Station	10	27	0	0
27	Versova Receiving Station	9	29	0	0
28	Vikhroli Receiving Station	10	0	40	0
29	Wadala Receiving Station	2	0	0	0

“Proposed – List of Transmission Lines”

220 kV Lines

1. 220 kV Trombay-Salsette # 3 & 4 Transmission Line (40.0 km, 20 km each) from Trombay Generating Station to Salsette Receiving Station
2. 220 kV Kalwa-Salsette # 5 Transmission Line (13.0 km) from MSETCL Kalwa Receiving Station to Tata Salsette Receiving Station
3. LILO of one circuit of existing 220 kV Bhira-Dharavi Transmission Line (1.0 km) at Chunabhatti Receiving Station
4. 220 kV, 3 terminal Transmission Line (3.0 km) between Trombay- Antop Hill- Dharavi
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
6. LILO of one circuit of existing 220 kV Trombay – Chunabhatti Transmission Line (5.0 km) at Bombay Dyeing, Wadala Receiving Station
7. 110 kV Single Circuit Line (5 km) km) from Backbay Receiving Station to 220 kV Carnac Receiving Station.
8. 110 kV Salsette - BKC Transmission Line (10.0 km) from TPC-T 220 kV Salsette Receiving Station to TPC-T BKC Receiving Station
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
10. 220 kV Trombay-Antop Hill Transmission Line (4.0 km) from Trombay Generating Station to Antop Hill Receiving Station
11. 220 kV Bhira-Karanjade 1 Transmission Line (70.0 km) from Bhira Generating Station to Karanjade Switching Station
12. 220 kV Bhira-Karanjade 2 Transmission Line (70.0 km) from Bhira Generating Station to Karanjade Switching Station
13. 220 kV Karanjade-Waghivali 1 Transmission Line (10.0 km) from Karanjade Switching Station to Waghivali Switching Station
14. 220 kV Karanjade-Waghivali 2 Transmission Line (10.0 km) from Karanjade Switching Station to Waghivali Switching Station
15. 220 kV Waghivali -Dharavi 1 Transmission Line (30.0 km) from Waghivali Switching Station to Dharavi Receiving Station
16. 220 kV Waghivali -Dharavi 2 Transmission Line (30.0 km) from Waghivali Switching Station to Dharavi Receiving Station
17. 220 kV Versova-Vile Parle 1 Transmission Line (6.0 km) from Versova Receiving Station to Vile Parle Receiving Station
18. 220 kV Versova-Vile Parle 2 Transmission Line (6.0 km) from Versova Receiving Station to Vile Parle Receiving Station

19. 220 kV Borivali-Goregaon Transmission Line (8.0 km) from Borivali Receiving Station to Goregaon Receiving Station
20. 220 kV Sahar-Goregaon Transmission Line (8.0 km) from Sahar Receiving Station to Goregaon Receiving Station
21. 220 kV TPC-T Waghivali - MSETCL Waghivali 1 Transmission Line (3 km) from Tata Power Waghivali Switching Station to MSETCL Waghivali Substation
22. 220 kV TPC-T Waghivali - MSETCL Waghivali 2 Transmission Line (3 km) from Tata Power Waghivali Switching Station to MSETCL Waghivali Substation
23. 220 kV Trombay-Parel Transmission Line (13 km) from Trombay Generating Station to Parel Receiving Station
24. 220 kV Parel Carnac Transmission Line (10 km) from Parel Receiving Station to Carnac Receiving Station
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
26. 220 kV Carnac- Backbay Transmission Line (6 km) from Carnac Receiving Station to Backbay Receiving Station
27. LILO of 220 kV Dharavi Mahalaxmi Line (2 km) at Worli Receiving Station

110 kV Lines

28. 110 kV Khopoli-Karanjade 1 Transmission Line (45.0 km) from Khopoli Generating Station to Karanjade Switching Station
29. 110 kV Khopoli-Karanjade 2 Transmission Line (45.0 km) from Khopoli Generating Station to Karanjade Switching Station.
30. 110 kV Karanjade-Waghivali 1 Transmission Line (10.0 km) from Karanjade Switching Station to Waghivali Switching Station
31. 110 kV Karanjade-Waghivali 2 Transmission Line (10.0 km) from Karanjade Switching Station to Waghivali Switching Station
32. 110 kV Waghivali -Mankhurd Transmission Line (20.0 km) from Waghivali Switching Station to Mankhurd Receiving Station
33. 110 kV Waghivali -Chembur Transmission Line (30.0 km) from Waghivali Switching Station to Chembur Receiving Station
34. 110 kV Kurla-BKC Transmission Line (5.0 km) from TPC-T Kurla Receiving Station to TPC-T BKC Receiving Station
35. 110 kV Saki - Kurla Transmission Line (5.0 km) from TPC-T Saki Receiving Station to TPC-T Kurla Receiving Station

“Proposed List of Bays”

220 kV Substation					
Sr.No.	Name of SS	220 kV (a)	110 kV (b)	33 kV (c)	22 kV /11 kV (d)
1	Antop Hill Receiving Station	9	0	34	0
2	Borivali Receiving Station	0	0	0	0
3	Carnac Receiving Station	1	0	0	0
4	Chunabhatti Receiving Station	9	0	0	0
5	Dharavi Receiving Station	4	0	0	0
6	Goregaon Receiving Station	9	0	30	0
7	Kalwa Receiving Station	1	0	0	0
8	Karanjade Switching Station	14	0	0	0
9	MSETCL Waghivali Switching Station	2	0	0	0
10	Parel Receiving Station	7	24	31	0
11	Salsette Receiving Station	4	0	0	0
12	Tata Power Waghivali Switching Station	2	0	0	0
13	Trombay Generating Station	1	0	0	0
14	Versova Receiving Station	9	0	21	0
15	Vile-Parle Receiving Station	7	0	30	0
16	Waghivali Switching Station	14	0	0	0
17	Worli Receiving Station	9	0	27	0

110 kV Substation					
Sr.No.	Name of SS	110 kV (a)	33 kV (b)	22 kV (c)	11 kV/6.6 kV (d)
18	Carnac Receiving Station	18	0	0	0
19	Dharavi Receiving Station	43	0	0	0
20	Mahalaxmi Receiving Station	2	0	0	0
21	Malad Receiving Station	2	0	0	0
22	Parel Receiving Station	0	0	2	0
23	Saki Receiving Station	0	0	0	0
24	Trombay Receiving Station	1	0	0	0
25	Versova Receiving Station	2	0	0	0
26	Vikhroli Receiving Station	21	0	21	0

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 second amendment to Licence.


(Abhijit Deshpande)
Secretary



Maharashtra Electricity Regulatory Commission,
Mumbai

Dated: 11 March, 2021.