

Before the
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION
World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai 400005
Tel. 022 22163964/65/69
Email: mercindia@merc.gov.in
Website: www.merc.gov.in

Case No. 159 of 2024

In the matter of
Application of Adani Electricity Mumbai Ltd. for the fifth amendment of Transmission
Licence No. 1 of 2011

Coram

Sanjay Kumar, Chairperson
Anand M. Limaye, Member
Surendra J. Biyani, Member

Adani Electricity Mumbai Ltd.-Transmission BusinessApplicant/Petitioner
V/s	
State Transmission Utility (STU) Respondent

ORDER

Date: 10 September , 2025

- 1 Adani Electricity Mumbai Ltd. -Transmission Business (“AEML-T”), having office at Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad 382421, Gujarat has filed an Application as per Section 18 of the Electricity Act (EA), 2003 read with Regulation 39 of the MERC (Transaction of Business and Fees and Charges) Regulations, 2022 and MERC (Transmission Licence Conditions) Regulations, 2004 (“Transmission Licence Regulations”) and Regulation 105 of MERC (Multi Year Tariff) Regulations, 2019. The application seeks amendment to its Transmission Licence No. 1 of 2011 granted by the Commission on 11 August 2011 and as amended on 14 March 2016 (First Amendment), 18 August 2017(Second Amendment), 13 March 2021(Third Amendment) and 30 May 2023 (Fourth Amendment).
- 2 The applicant also sought the addition of certain new schemes(220 kV Khardanda, Uttan , Tilak Nagar, Nahar , Kashi, Tagore Nagar, Vazira Naka, etc) above the threshold limit for execution through a cost-plus approach under Section 62 of the Act instead of through TBCB under Section 63 of the Act. STU has recommended these schemes through a cost-plus approach under Section 62 of the Act, stating that the Petition is filed under

Regulation 105(Power to relax) of MERC(MYT) Regulations, 2019. STU stated that TBCB is not applicable for these schemes as the cost of the schemes is less than Rs. 500 Crore as specified in the MYT Regulations 2019.

3 AEML-T's main prayer is as follows:

A "Allow amendment to the existing Transmission Licence of AEML (Transmission Licence No.1 of 2011), Part II: General Terms and Conditions, Section 3, Area of Transmission, so as to give effect to the changes as detailed in the present petition in terms of the provisions contemplated under Section 15 read with Section 18 and Section 86 of the Electricity Act, 2003 and the Maharashtra Electricity Regulatory Commission (Transmission Licence Conditions) Regulations 2004; ---"

4 Background of the Petition and Regulatory Provisions:

- 4.1 The Commission is empowered under Section 18 of the EA 2003 to amend the terms and conditions of the licence on the licensee's application. The relevant provisions of Section 18 of the EA 2003 are as follows:

"18. Amendment of Licence- Where in its opinion the public interest so permits, the Appropriate Commission may, on the application of the licensee or otherwise, make such alterations and amendments in the terms and conditions of a licence as it thinks fit."

- 4.2 The Commission, on 11 August 2011, granted AEML-T a Transmission Licence for 25 years namely "Transmission Licence No. 1 of 2011," for the Transmission Lines and Bays forming part of the Intra-State Transmission System of Maharashtra (InSTS). The Commission has issued the project-specific Transmission Licence to AEML-T (Bays and Lines). An amendment of the transmission licence is required to add any new transmission Bays and Lines.
- 4.3 **First Amendment:** Considering the changes in the lines and bays, the Commission granted the First Amendment to the Transmission Licence No. 1 of 2011, vide its Order dated 14 March 2016 in Case No. 24 of 2015.
- 4.4 **Second Amendment:** The Second Amendment to the Transmission Licence No. 1 of 2011 was granted by the Commission vide its Order dated 18 August 2017 in Case No. 94 of 2016.
- 4.5 **Third Amendment:** Further, in order to reflect the updated status of existing Transmission Lines and Bays as per the executed project and to update the proposed list of Transmission Lines and Bays in line with the Five-Year Plan of STU, the Commission has granted the Third Amendment to the Transmission Licence No. 1 of 2011 vide its Order dated 13 March 2021 in Case No. 195 of 2019.
- 4.6 **Fourth Amendment:** As per the request of AEML-T, in order to reflect the updated status of existing Transmission Lines and Bays the Commission has granted Fourth Amendment to the Transmission Licence No. 1 of 2011 vide its Order dated 30 May 2023 in Case No. 127 of 2024.

- 4.7 With the above background, AEML-T's Petition is analysed in the subsequent part of the Petition:
- 5 **AEML-T's Application for fifth amendment of its Transmission Licence states as follows:**
- 5.1 AEML-T is a Transmission Licensee pursuant to the licence granted to it under Licence No. 1 of 2011, dated 11 August 2011, by the Commission, under the provisions of Section 14 of the EA, 2003 and amended thereof.
- 5.2 Pursuant to the Fourth Amendment of the said Transmission Licence, there have been certain developments in the existing and proposed Transmission system of AEML-T. Hence, to accommodate the changes, AEML-T requested an amendment to the Transmission Licence.
- 5.3 AEML-T has requested the amendment of the Transmission Licence (updated asset position) to include the following:
- 5.3.1 **Changes in Existing system:**
- Modification in existing ckt-km of transmission lines
 - Modification in existing number of 220 kV bays
- 5.3.2 **Proposed system as per STU 10-year plan / DPRs submitted to Commission or STU:**
- Addition of new proposed transmission lines
 - Addition of new proposed 220kV bays
 - Addition of new proposed 33kV bays
- Note: The details of the amendments, such as the basis for the amendments, length of line, old reference number, updated number, etc., are explained in detail in the Commission's Analysis part of the Order to avoid repetition of the submissions.*
- 6 After preliminary scrutiny of the Petition, AEML-T was asked to provide the following necessary information:
- a. STU verification Report in justification of the existing assets and proposed assets;
 - b. Details of the unutilised Bays;
 - c. Existing Transmission Lines & Bays - Supporting data for verification of assets Put to Use;
 - d. Justification and basis for revision in the length of the lines.

- e. Details of the retirement of the assets;
- 7 AEML-T on 24 November, 2024 has submitted the required details. The summary of the replies is as follows:
- a. Copy of the STU asset verification report.
 - b. The details of the unutilised 33 kV Bays
 - c. The loading of the lines and substations justifying the put to use of the assets.
 - d. Regarding revision in Transmission Line Length, which are part of the existing assets, AEML-T submitted that due to diversion of existing line for metro work, flyover work, etc., there are changes in the length of some existing lines. Considering the Right of Way (RoW) issues and availability of land, AEML-T has also proposed changes in the length of some proposed lines based on the survey with necessary justification. Change in the line length is due to diversion of the lines for executing the project, such as DFCCIL, NHRCL, DMRC, etc.
 - e. Details of the retirement of the assets due to the conversion of AIS to GIS at 220 kV Aarey Substation.
- 8 STU, via its emails dated 21 January 2025, 5 March 2025, and 28 March 2025, has submitted the Joint Verification Report, which verifies the submissions of AEML-T for the Existing Transmission Lines and Bays in various Receiving Stations, as well as recommendations for the proposed Lines and Bays.

9 Regulatory Proceedings:

AEML-T Public Notice:

- 9.1 Section 14 of the EA 2003 empowers the Commission to grant a Licence. Section 15 of the EA 2023 provides the procedure for granting a Transmission Licence, and Section 18 provides the amendment in the terms and conditions of a Transmission Licence. The relevant provisions are as follows:

“Section 14. (Grant of licence): -----

.....

(3) A person intending to act as a transmission licensee shall, immediately on making the Petition, forward a copy of such Petition to the Central Transmission Utility or the State Transmission Utility, as the case maybe.

(4) The Central Transmission Utility or the State Transmission Utility, as the case may be, shall, within thirty days after the receipt of the copy of the Petition referred to in sub-section (3), send its recommendations, if any, to the Appropriate Commission:

*Provided that such recommendations shall not be binding on the Commission. ---
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“18. Amendment of licence –

Where in its opinion the public interest so permits, the Appropriate Commission, may, on the application of the Licence or otherwise, make such alteration and amendments in the terms and conditions of his licence as it thinks fit:

Provided that, no such alterations or amendments shall be made except with the consent of the Licence unless such consent has, in the opinion of the Appropriate Commission, been unreasonably withheld.

Before any alterations or amendments in the licence are made under this section, the following provisions shall have effect, namely: -

- (a) where the Licence has made an application under sub-section (1) proposing any alteration or modifications in his licence, the Licence shall publish a notice of such application with such particulars and in such manner as may be specified;*
- (b) in the case of an application proposing alterations or modifications in the area of supply comprising the whole or any part of any cantonment, aerodrome, fortress, arsenal, dockyard or camp or of any building or place in the occupation of the Government for defence purposes, the Appropriate Commission shall not make any alterations or modifications except with the consent of the Central Government;*
- (c) where any alterations or modifications in a licence are Proposed to be made otherwise than on the application of the Licence, the Appropriate Commission shall publish the Proposed alterations or modifications with such particulars and in such manner as may be specified;*
- (d) the Appropriate Commission shall not make any alterations or modification unless all suggestions or objections received within thirty days from the date of the first publication of the notice have been considered.”*

9.2 The Commission has granted AEML-T a transmission licence specific to particular Transmission Lines and Bays under Part 2 (Alternative-2 of Area of Transmission) of MERC (Transmission Licence Conditions) Regulations, 2004 (Transmission Licence Regulations). In accordance with Section 18 of the Electricity Act and Transmission Licence Regulations, any modifications to the lines and bays necessitate an amendment to the transmission license.

9.3 Regulation 7 of the MERC (Transmission Licence Conditions) Regulations, 2004 (Transmission Licence Regulations) provides that:

“6.1 A Petitioner shall publish a notice of his Petition for grant of licence in not less than two (2) daily English language newspapers and two (2) daily Marathi language newspapers in the proposed area of transmission. -----

...Provided that the Commission may, within a period of four (4) days from the receipt of Petition, require such additional particulars to be included in the notice, as it may deem appropriate having regard to the specific circumstances of the case.”

9.4 The Commission notes that AEML-T submitted the Petition on 30 September 2024, seeking an amendment to its Transmission Licence in Case No. 1 of 2011. Since AEML-T has provided the necessary details as required under Transmission Licence Regulations, the Commission admitted the Petition on 7 December 2024. The legal and regulatory framework governing the amendment process for Transmission Licences is delineated in Section 18 of the EA, 2003, and Regulation 7 of the Transmission Licence Regulations. Subsequently, AEML-T was directed to publish a Public Notice in compliance with Regulation 7.2, in conjunction with Section 18(2)(a) of the EA, 2003, inviting suggestions or objections from the public regarding its Application. In accordance with this directive, AEML-T published the Public Notice on 7 December 2024 in the following daily newspapers:

- a. Hindustan Times and Free Press Journal (English)
- b. Navshakti and Saamana (Marathi)

9.5 **In response to AEML-T's notice, no objection/suggestion has been received.**

10 Commission's Public Notice:

10.1 Subsequently, the Commission published a Public Notice on 11 June 2025 in two daily English (Times of India, Economic Times) and two daily Marathi (Sakal, Maharashtra Times) newspapers as per Section 15 of the EA 2003, seeking comments/suggestions/objections on the proposal to amend the Transmission Licence of AEML-T(Fifth amendment of Licence No.1 of 2011) subject to fulfilment of the requirements laid down in the Electricity Act 2003 and Regulations. The last date for submission of suggestions/objections was 10 July 2025. It was also stated that the e-Public Hearing would be held on 25 July 2025 through a video conference, wherein the opportunity to be heard in person was given to the objectors.

10.2 **In response to the Commission's Public Notice, no objection/suggestion has been received.**

11 **Subsequently, AEML-T, in its additional submission dated 9 July 2025, stated as follows:**

11.1 Certain schemes that were ongoing at the time of filing the Petition have been completed. Hence, the line length and Bays of such schemes need to be updated to reflect the changes as elaborated below:

- a) **220 kV BKC EHV Station and Associated Lines:** 220 kV EHV Station and Lines were considered under the "Proposed List " of the assets. BKC EHV Station has been charged on 04 March 2025. AEML-T has communicated the same to the Commission vide letter dated 05 March 2025. Hence, the Number of Bays and line length pertaining to BKC EHV Station should be shifted from the list of "Proposed List "of assets to "Existing List " of assets.

b) **220 kV LILO Ghodbunder DPR Schemes:** At the time of filing the Petition on 30 September 2024, 07 Nos. of 220 KV Bays pertaining to 220 kV LILO Ghodbunder DPR Schemes were considered under the “Proposed” list of Bays as per the scheme envisaged at that time. The Commission, as proposed by AEML-T and recommended by STU, approved the DPR on 20 June 2025, wherein the Commission approved 4.29 ckt.km of parallel 220 kV cables from the existing LILO tower to the AEML Ghodbunder EHV substation. Accordingly, 07 Nos of 220 kV Bays are required to be removed from “proposed” list of Bays. Further, 4.29 ckt.km 220 kV line is needed to be added to the “Proposed Transmission” lines in the amended Licence.

12 At the E- Public hearing through video conferencing held on 25 July 2025:

- i. The Representative of AEML-T reiterated the key points of its submission as outlined in the Petition, through a brief presentation.
- ii. AEML-T informed that, at the time of filing the Petition, 220 kV BKC EHV substation and associated transmission lines were included in the proposed list of assets, as the works under the scheme were still in progress. After filing the Petition, the 220 kV BKC EHV Substation, along with the 220 kV Chembur–BKC Transmission Lines 1 and 2, have been successfully commissioned. Accordingly, AEML-T requested that the 220 kV BKC Substation and lines be included in the existing list of Bays and Lines. AEML-T further requested to approve the proposed amendment to its Transmission Licence.
- iii. In response to a query from the Commission regarding the inclusion of the proposed schemes in the Transmission Licence, AEML-T clarified that the schemes form part of the State Transmission Utility (STU) plan. Therefore, their inclusion in the Transmission Licence is necessary for the Commission's approval. It was also noted that the Commission's office had previously returned the scheme on the grounds that the schemes were not reflected in AEML-T’s current Transmission Licence. Hence, the proposed schemes, which are part of the STU plan and recommended by STU, have been considered for amendment.

Commission’s Analysis and Rulings:

- 13 The Commission notes that AEML-T’s Transmission Licence is project-specific under Alternative 2 of the Area of Transmission (Licence to establish and operate specific transmission lines and bays) specified under Transmission Licence Regulations. Hence, any changes to the transmission lines and bays need to be incorporated into the transmission licence. Accordingly, through the present Petition, AEML-T has sought amendments to Transmission Licence No. 1 of 2011 to effect the changes/updating of transmission lines and bays in the form of addition/deletion/modification.
- 14 The regulatory process specified under Section 18 of the EA 2003 on the amendment of the Transmission Licence has been duly followed. The Commission has ensured that due process contemplated under the law to ensure transparency and public participation has been followed at every stage and that adequate opportunity has been given to all concerned

to express their views. There are no objections/comments on the Public Notice issues by AEML-T as well as by the Commission as part of public consultation.

15 In view of the foregoing discussions, the Commission has undertaken scrutiny of the amendments proposed by AEML-T based on the following criteria:

- i. Provisions of the MERC MYT Regulations 2019 (First Amendment) and MYT Regulations 2024-Threshold Limit for transmission project to be executed under TBCB.
- ii. Submission of the STU verifying the existing assets in service and recommending the proposed assets as per the STU's plan.
- iii. DPRs approved by the Commission, based on which the Lines and Bays have been added by AEML-T.
- iv. STU Ten-Year Plan (2024-25 to 2033-34) and its recommendations confirming that the new schemes proposed for inclusion in the Transmission Licence of AEML-T are part of the STU plan.

16 The Commission notes the following points for its consideration:

16.1 STU has verified the assets in service and recommended the number of Bays and the length of the Transmission Lines submitted by AEML-T in the present Petition. Additionally, STU conducted joint verifications with AEML-T officials on 25 November 2024 and 26 November 2024, and submitted a Joint Verification Report on 21 January 2025, 5 March 2025, and 28 March 2025.

16.2 For the proposed schemes, the Commission has only considered the Bays and Transmission Lines, in accordance with the prevailing MYT Regulations. These elements are part of the STU Plan and have been recommended by STU for amendment. Further, the lines and bays, which are part of the existing Transmission Licence but not included in the STU's plan and not recommended by STU or cancelled by AEML-T, are not included in the Licence. Furthermore, schemes that need to be executed through the TBCB route, as per the provisions of the prevailing MYT Regulations, are not considered for amendment.

16.3 The 220 kV BKC substation and its associated lines and Bays, which were included in the proposed list of assets at the time of filing the Petition, are added to the existing list of bays and lines. This is because they have been commissioned after the Petition Was Filed, and the licence needs to be updated accordingly.

16.4 Further, the Commission has prepared the complete list of "Existing Transmission Lines," "Existing Bays at Sub-stations," "Proposed List of Transmission Lines " and "Proposed List of Bays" in the amended licence for better clarity and to have unified documents.

17 Considering the above facts, in exercising powers under Section 18 of the EA, 2003 and in accordance with the provisions of the Transmission Licence Regulations and applicable

MYT Regulations, the Commission analyses the Petition of AEML-T for the fifth amendment of Transmission Licence No. 1 of 2011. For the sake of simplicity, the Commission has segregated changes or revisions/amendments in the Transmission Licence No.1 of 2011 of AEML-T into the following categories based on the nature of the proposed amendment:

a) Amendment to the Existing Transmission Lines (In Service)

- Changes in the lengths of existing lines due to the reorientation, addition, or deletion of such lines/Cables.
- New Addition – Shifting the lines from the “Proposed Transmission Lines List” to the “Existing Transmission Lines List” due to commissioning of the Transmission Lines.

b) Amendment to the Existing Transmission Bays (In Service)

- New Addition – Shifting bays from the “Proposed Transmission Bays List” to the “Existing Transmission Bays List” upon commissioning of the substation.
- Change in the existing Bays because of the addition/deletion of the existing Bays.

c) Amendment to the Proposed Transmission Lines (As a Future Plan based on STU Plan)

- New Addition of “Proposed Transmission Lines” as per approved DPRs by the Commission or as part of the STU plan from FY 2024-25 to FY 2033-34 and recommended by STU in its report.
- Deletion of lines due to their shifting from the “Proposed Transmission Lines List” to the “Existing Transmission Lines List.”

d) Amendment to the Proposed Transmission Bays (As a Future Plan based on STU Plan)

- New addition of proposed transmission bays as per DPRs approved by the Commission or included in the STU plan, and recommended by STU in the report.
- Deletion of proposed transmission bays due to their shifting from the “Proposed Transmission Bays List” to the “Existing Transmission Bays List.”
- Deletion of bays that are part of the existing licence in the “Proposed Transmission Bays List” but are not included in the STU’s plan and/or not recommended by the STU.

Part A: Amendment to the “Existing Transmission Lines and Existing Bays”:

18 Amendment to the “Existing Transmission Lines”

18.1 **Change in the Line Length of Existing Lines:** The Commission notes that AEML-T has reported changes in the line lengths of few existing transmission lines due to diversion works undertaken for the proposed projects of Dedicated Freight Corridor Corporation of India Ltd. (DFCCIL), National High Speed Rail Corporation Ltd. (NHSRCL), and CAS Limited Liability Partnership (CASLLP). The lengths of the following lines, listed under the heading “Existing Transmission Lines,” have been amended to reflect the actual measurements as per the STU Joint Verification Report, as detailed below:

Table 1: Amendment to the Existing Transmission Lines due to change in Line Length of Existing Transmission Lines.

Old Ref. No.	Old Length Ckt km	Particulars of Line	New Ref. No.	Revised Ckt km	Remark
1	84.61	220 kV Dahanu - Ghodbunder-1 Transmission Line from Dahanu to Ghodbunder EHV substation	1	84.58	Change in ckt km due to line diversion work (DFCCIL, NHSRCL, CASLLP) (-0.03)
2	84.61	220 kV Dahanu - Ghodbunder-2 Transmission Line from Dahanu to Ghodbunder EHV substation	2	84.58	Change in ckt km due to line diversion work (DFCCIL, NHSRCL, CASLLP) (-0.03)
3	23.68	220 kV Dahanu - MSETCL Viraj Transmission Line	3	26.42	Typo correction (to 26.42), Change in ckt km due to line diversion work (DFCCIL, NHSRCL) (+0.041)
4	4.23	220 kV MSETCL Viraj - MSETCL Boisar Transmission Line	4	4.24	Change in ckt km due to line diversion work (NHSRCL) (+0.006)
5	91.38	220 kV MSETCL Boisar - Versova Transmission Line from MSETCL Boisar to Versova EHV sub-station	5	91.03	Change in ckt km due to line diversion work (NHSRCL,DFCCIL, CASLLP,Metro-9) (-0.352)
6	106.11	220 kV Dahanu - Versova Transmission Line from Dahanu to Versova EHV sub-station	6	105.92	Change in ckt km due to line diversion work (DFCCIL,NHSRCL, CASLLP,Metro-9) (-0.189)
7	9.72	220 kV Ghodbunder – Gorai Transmission Line from Ghodbunder EHV sub-station to Versova EHV sub-station	7	9.76	Change in ckt km due to line diversion work (Metro-9) (+0.036)

9	20.65	220 kV Ghodbunder - Versova-2 Transmission Line from Ghodbunder EHV sub- station to Versova EHV sub-station	9	20.69	Change in ckt km due to line diversion work (Metro-9) (+0.036)
10	4.23	220 kV Versova - Goregaon-1 Transmission Line from Versova EHV sub-station to Goregaon EHV sub-station	10	4.26	Change in ckt km due to line diversion work (DMRC) (+0.028)
11	5.04	220 kV Goregaon - Aarey-1 Transmission Line from Goregaon EHV sub-station to Aarey EHV sub-station	11	5.19	Increase in Length by (+0.152) during AIS to GIS Conversion
12	4.23	220 kV Versova - Goregaon-2 Transmission Line from Versova EHV sub-station to Goregaon EHV sub-station	12	4.24	Change in ckt km due to line diversion work (DMRC) (+0.008)
13	5.05	220 kV Goregaon - Aarey-2 Transmission Line from Goregaon EHV sub-station to Aarey EHV sub-station	13	5.2	Increase in Length by 150m during 220kV AIS to GIS Conversion Scheme.
16	12.15	220 kV Aarey - TPC Borivali Transmission Line from TPC (Borivali) EHV sub-station to Aarey EHV substation	16	12.21	Increase in Length by 58m during 220kV AIS to GIS Conversion Scheme.
17	12.53	220 kV Aarey - AEML Borivali Transmission Line from AEML (Borivali) EHV sub- station to Aarey EHV sub-station	17	12.6	Increase in Length by 70m during 220kV AIS to GIS Conversion Scheme.

18.2 Shifting of Lines from Proposed List to Existing List of Lines: Amendment to the “Existing Transmission Lines” list due to the shifting of the lines from the “Proposed Transmission Lines List” due to the commissioning of the project.

Table 2: Amendment to the “Existing Transmission Lines” due to shifting of the lines from “Proposed list of Lines to the Existing List of Transmission Lines

Old Ref. No.	Old Length	Particulars	Revised Length	New Ref. No.	Remarks / Justification for Amendment
-	-	220kV Chembur to BKC transmission line 1 from Chembur EHV sub-station to BKC EHV sub-station	10.25	33	New Addition; The scheme had been approved by the Commission on 6.8.2021. Line commissioned as per STU Plan. Length of line is actual. The line is used to establish connectivity between AEML-T Chembur EHV Substation
-	-	220kV Chembur to BKC transmission line 2 from Chembur EHV sub-	10.25	34	

		station to BKC EHV sub-station			to AEML-T BKC EHV Substation.
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19 Amendment to the “Existing Bays at Sub-station”

19.1 The number of bays at various EHV substations, as listed under “Existing Bays at Sub-stations,” shall be amended as per the actual count and the STU Joint Verification Report. These changes are primarily due to the commissioning of new bays in accordance with the approved DPRs.

Table 3: Addition of the Bays in the existing List of Bays due to the commissioning of the Schemes.

Old Ref. No.	New Ref. No.	Particulars	Remarks / Justification for Amendment
1 (a)	1 (a)	18 No. of 220 kV Bays at 220 kV Aarey EHV Sub-station	Amended; Earlier 17 no. of Bays were commissioned. However, under 220kV AIS to GIS conversion scheme at Aarey EHV S/s Scheme, 1 x 220 kV Bay is added. (Removed 1 no. of TBC Bay and included 2 nos. of PT Bays) Hence, total 18 X 220 kV Bays. The scheme has been commissioned as approved by the Commission.
3 (a)	3 (a)	12 No. of 220 kV Bays at 220 kV Chembur EHV Sub-station	Amended: Earlier 10 no. of 220 kV Bays were commissioned. However, under 220 kV BKC EHV S/s Scheme 2 X 220 kV Bays are commissioned for source line to BKC SS. Hence additional 2 x 220 kV Bays are added. Shifting of the Bays from the proposed list to existing list due to commissioning of 220 kV BKC Substation.
-	11 (a)	7 No. of 220 kV Bays at 220 kV BKC EHV Sub-station	New Addition; 220kV BKC EHV S/s commissioned as per STU Plan and DPR Approved by

Old Ref. No.	New Ref. No.	Particulars	Remarks / Justification for Amendment
			the Commission dated 06.08.2021. 07 X 220kV Bays at BKC EHV S/s shifted from proposed list to Existing List of Bays.
-	11 (b)	20 No. of 33kV Bays at BKC EHV Sub-station	New Addition. 220 kV BKC EHV S/s commissioned as per STU Plan and DPR Approved by the Commission dated 06.08.2021. 20 X 33kV Bays at BKC EHV S/s shifted from proposed list to Existing List of Bays.

Part B: Amendment to the “Proposed Lines and Proposed Bays”

20 AEML-T has submitted the details of the “Proposed Transmission Lines” and the “Proposed Bays” in its application. As part of the regulatory process, the Commission sought the STU’s recommendation on whether these proposed Transmission Lines and Bays form part of the STU Plan. The STU has provided its recommendations via emails dated 21 January 2025, 5 March 2025, and 28 March 2025 on the “Proposed List of Bays” and “Proposed List of Transmission Lines” submitted by AEML-T for consideration.

21 Section 15 of the EA 2003 (Procedure for grant of licence) provides as follows:

“(3) A person intending to act as a transmission licensee shall, immediately on making the application, forward a copy of such application to the Central Transmission Utility or the State Transmission Utility, as the case may be.

(4) The Central Transmission Utility or the State Transmission Utility, as the case may be, shall, within thirty days after the receipt of the copy of the application referred to in sub-section (3), send its recommendations, if any, to the Appropriate Commission:

Provided that such recommendations shall not be binding on the Commission.-----”

As per the above provisions of the EA 2003, it is clear that though recommendation of STU is necessary, it is not binding on the Commission.

22 **Execution of the Project through the TBCB Route:**

MERC MYT Regulations 2019:

- 22.1 The Commission has notified the MERC MYT Regulations 2019 on 1 August 2019 applicable from 1 April 2020 to 31 March 2025.
- 22.2 The Commission has taken cognizance of the Tariff Policy framed under the Electricity Act 2003 and Hon'ble Supreme Court Judgment dated 23 November 2022 in Civil Appeal No. 1933 of 2022 (*The Tata Power Company Limited – Transmission vs MERC*), wherein the Hon'ble Supreme Court directed all State Electricity Regulatory Commissions (SERCs) to frame regulations under Section 181 of the Electricity Act, 2003, specifying the terms and conditions for determination of tariff, within three months from the date of the judgment. The Hon'ble Supreme Court further directed that where the Appropriate Commission(s) had already framed such regulations, they shall be amended to include provisions prescribing the criteria for selecting the modalities for tariff determination, if not already incorporated.
- 22.3 Accordingly, the Maharashtra Electricity Regulatory Commission (MERC) has determined the criteria for adoption of tariff discovered through a transparent bidding process for InSTS projects costing above a specified threshold limit, in accordance with Section 63 of the Electricity Act, 2003.
- 22.4 **The Commission notes that in respect of the execution of the schemes through TBCB, Regulation 56.3 of the MERC MYT Regulations 2019 (First Amendment) notified on 10 February 2023, provides as follows:**

“56.3 All the new intra-State transmission systems costing above a Threshold Limit and meeting other conditions as laid out in Annexure-IV, shall be developed through Tariff Based Competitive Bidding in accordance with the guidelines issued by the Central Government under Section 63 of the Act.---

Annexure IV: Threshold Limit for Intra-State Transmission System to be developed through Tariff Based Competitive Bidding

1. The Commission hereby determines the Threshold Limit of Rupees Five Hundred (500) Crore excluding land cost.

2. All new Intra-State Transmission Systems excluding the schemes involving the upgradation / augmentation of Assets forming part of the existing Transmission Licensee and excluding the schemes, which appears in the Licence of the Transmission Licensee, costing Rupees Five Hundred (500) Crore or more excluding land cost shall be implemented by STU through Tariff Based Competitive Bidding in accordance with the competitive bidding guidelines notified by the Central Government from time to time.

3. This Threshold Limit shall be applicable for all new Intra-State Transmission Systems (Projects) for which approval is yet to be accorded by the Commission (excluding the projects for which application for in-principle approval is already submitted to the Commission and the same is under consideration by the Commission) or Commission's approval is not valid, or approval is cancelled by the Commission, as the case may be.

4. The entire Intra-State independent transmission systems including any upstream/downstream project shall be designed as single project for inviting bids for development of project through Tariff Based Competitive Bidding.

*5. In case the STU intends to implement any Intra-State Transmission System above the Threshold Limit through cost-plus approach under Section 62 of the Act, due to some specific reasons such as project is of critical nature (e.g., Transmission System being developed for Defence, Railways, Airport, etc.) or the Project may lead to ownership or interface issues, i.e., the **ownership of new Intra-State Transmission System cannot be delineated from the assets of existing transmission assets, the STU shall obtain prior approval of the Commission for the same.** Further, in case the STU intends to implement any Intra-State Transmission System below the Threshold Limit through Tariff Based Competitive Bidding, due to some specific reasons, STU can decide to implement such projects through Tariff Based Competitive Bidding with valid reasons to do so and with prior approval of the Commission.-----”*

- 22.5 The MYT Regulations, 2019 (First Amendment), came into effect on 10 February 2023. As per the amended provisions, schemes costing ₹500 crore and above (excluding land cost) shall be executed through the TBCB route. However, the Regulations exclude from the TBCB requirement any schemes costing more than ₹500 crore that are part of AEML-T’s licence, as well as projects for which a DPR for in-principal approval had already been submitted to the Commission and was under its consideration as on the date of notification, i.e. 10 February 2023.
- 22.6 Accordingly, for schemes that are part of AEML-T’s licence or that had been submitted to the Commission or under consideration on or before 10 February 2023, the TBCB route is not applicable. Furthermore, if the STU intends to implement any Intra-State Transmission System project below the threshold under TBCB and exclude the project above the threshold limit from the TBCB route for specific reasons, it should have obtained prior approval of the Commission before doing so.

MERC MYT Regulations 2024:

- 22.7 Further, the Commission has notified the MYT Regulations, 2024 on 19 August 2024, which are applicable from April 1, 2025, up to March 31, 2030. For implementation of the schemes through TBCB routes, Regulation 75.3 of the MYT Regulations, 2024 provides as follows:

*“ 75.3 All the new intra-State transmission systems costing above a Threshold Limit and meeting other conditions as laid out in Annexure-IV, shall be developed through **Tariff Based Competitive Bidding in accordance with the guidelines issued by the Central Government under Section 63 of the Act.**----*

“Annexure-IV:...

- 1. The Threshold Limit for Intra-State Transmission System to be developed through **Tariff Based Competitive Bidding shall be Rupees Two Hundred (200) Crore excluding land cost and Reinstatement (RI) Charges.***
- 2. All new Intra-State Transmission Systems excluding the schemes involving the upgradation / augmentation of Assets forming part of the existing Transmission Licensee and excluding the schemes, **which appears in the Licence of the Transmission Licensee, costing Rupees Two Hundred (200) Crore or more excluding land cost and RI Charges shall be implemented by STU through Tariff***

Based Competitive Bidding in accordance with the competitive bidding guidelines notified by the Central Government from time to time.

5. In case the STU intends to implement any Intra-State Transmission System above the Threshold Limit through cost-plus approach under Section 62 of the Act, due to some specific reasons such as project is of critical nature (e.g., Transmission System being developed for Defense, Railways, Airport, etc.) or the Project may lead to ownership or interface issues, i.e., the ownership of new Intra-State Transmission System cannot be delineated from the assets of existing transmission assets, the STU shall obtain prior approval of the Commission for the same. Further, in case the STU intends to implement any Intra-State Transmission System below the Threshold Limit through Tariff Based Competitive Bidding, due to some specific reasons, STU can decide to implement such projects through Tariff Based Competitive Bidding with valid reasons to do so and with prior approval of the Commission. (..Emphasis added)

- 22.8 MYT Regulations, 2024 were notified on 19 August 2024 and came into force on 1 April 2025. The provisions of these Regulations stipulate that schemes costing above ₹200 crore (excluding land cost and RI charges) shall be executed through the TBCB route, except for schemes that are part of the existing licence as on 31 March 2025. Furthermore, if the STU intends to implement any InSTS project whether above or below the threshold limit under Section 62 of the Electricity Act, 2003, for specific reasons, it must obtain prior approval of the Commission for such implementation.
- 22.9 Accordingly, under the MYT Regulations, 2024, for a scheme to be excluded from the TBCB route, it must either be part of AEML-T's licence before 1 April 2025, or the STU must have obtained the Commission's approval to execute the scheme under Section 62 of the Electricity Act, 2003, instead of through the TBCB process.
- 22.10 From the Joint reading of the provisions of the MYT Regulations (First Amendment) 2019 and the MYT Regulations 2024, it is clear that the following schemes are excluded from the TBCB route:

A) MYT Regulations (First Amendment) 2019:

- a) The schemes costing more than Rs. 500 Cr (excluding land cost), which are part of the Licence of AEML-T or schemes submitted to the Commission for principal approval or under consideration before 10 February 2023.
- b) STU has obtained the prior approval of the Commission for executing the schemes above the Threshold Limit from TBCB or exclusion from TBCB as per provisions of the MYT Regulations.

B) MYT Regulations 2024:

- a) The schemes costing more than Rs. 200 Cr (excluding land cost and RI charges), which are part of the Licence of AEML-T before 31 March 2025.

- c) STU has obtained the prior approval of the Commission for executing the schemes above the Threshold Limit from TBCB or exclusion from TBCB as per provisions of the MYT Regulations.

22.11 The Commission notes that AEML-T has proposed new InSTS projects costing more than ₹200 Crore, i.e., above the threshold limit, excluding land cost and RI charges. These schemes form part of the STU's 10-year plan, dated September 5, 2024. The STU has also recommended that these schemes to be executed under Section 62 of the Electricity Act, 2003, instead of through the TBCB route under Section 63 of the Electricity Act, 2003. The details of such schemes are as follows:

Sr. No.	Name of the scheme	Project Cost	Land Cost Rs. Cr	RI Charges Rs. Cr	Total Cost	Status of Scheme and rationale for exclusion/inclusion of scheme under TBCB.
1.	**220 kV Khardanda SS and Lines.	421.28	194.08	44.27	659.63	For applicability of threshold limit of Rs. 500 Crore, as per MYT Regulations 2019, DPR was required to be submitted to MERC for its consideration on or before 10 February 2023. However, the DPR was submitted to the MERC on 11.11.2024. Further, the scheme was referred back on 6 January 2025 as it was not part of transmission licence of AEML-T. Therefore, the provisions of the MYT Regulations 2019, which allow schemes to be executed under the cost-plus method as per Section 62 of the Electricity Act, 2003, or exclusion from the TBCB, do not apply to this scheme.
2.	220 kV Uttan SS and Lines.	448.2	12.73	18.62	479.55	As explained above, for applicability of threshold limit of Rs. 500 Crore, as per MYT Regulations 2019, DPR was required to be submitted to MERC for its consideration on or before 10 February 2023. However, the DPR was submitted to the MERC on 27.4.2023 for Rs. 460.95 Cr. As STU's financial prudence report was not submitted, scheme was referred back to AEML-T on 26.6.2023. Thereafter, the

						scheme was re-submitted to MERC on 11.11.2024, which was referred back on 6 January 2025 as it was not part of transmission licence of AEML-T. Therefore, the provisions of the MYT Regulations 2019, which allow schemes to be executed under the cost-plus method as per Section 62 of the Electricity Act, 2003 or exclusion from the TBCB, do not apply to this scheme.
3.	220 kV Tilak Nagar SS and Lines.	285.21	47.64	7.6	340.45	Yet to submitted to MERC
4.	220 kV Nahar SS and Lines.	365.19	200.80	38.25	604.24	Yet to submitted to MERC
5.	220 kV Kashi SS and Lines.	282.75	13	4.25	300	Yet to submitted to MERC
6.	220 kV Tagore Nagar SS and Lines.	277.71	111	4.25	392.96	Yet to submitted to MERC
7.	220 kV Vazira Naka SS and Lines	276.94	100	4.25	381.19	Yet to submitted to MERC

22.12 **Further, the Commission notes that AEML-T had proposed the inclusion of the 220kV Khardanda substation and associated lines in its transmission licence in Case No. 127 of 2022 (*Case of Adani Electricity Mumbai Ltd. for the fourth amendment of Transmission Licence No. 1 of 2011*). The Commission, in its Order dated 30 May 2023 in Case No. 127 of 2022, did not allow the amendment as the project was to be executed under TBCB. The rulings of the Commission's Order are as follows:

“ 32 The Commission has not considered AEML-T's claim regarding addition of the following 2 Transmission Lines and Transmission Bays addition of 1 EHV sub-station in the proposed list of AEML-T as the estimated cost of DPR is beyond Rs. 500 Crore which makes them under the purview of TBCB as per the MERC MYT (First Amendment) Regulations, 2023.

Table 1: New Transmission Lines and Bays proposed by AEML-T in the Petition but not included in Proposed List of Lines and Bays by the Commission are as follows:

S. No.	Particulars	Remarks / Justification for rejection of Amendment
1	220kV D/C Versova - Khardanda line by Underground Cable (Ckt 1) (9.00 km)	Rejected Addition: a) The estimated cost of the scheme with land is Rs. 965.50 Crore and without land is Rs. 823.28 Crore. Hence, it is more than the Threshold Limit notified by the Commission, i.e., Rs. 500 Cr without land. b) As elaborated at Para 27 Threshold limit exempt the schemes which are part of the existing licence or DPRs submitted to the Commission for approval or STU decides to execute the scheme under Section 62 of the EA 2003 with justification. c) The 220 kV Khardanda Scheme is neither part of existing Licence nor DPR has been submitted to the Commission. Also, STU has not provided any specific reasons for execution of scheme under Section 62 of the EA 2003. d) Hence, though scheme is a part of STU plan and under discussion of MTC, it is not considered for addition in the proposed list of Lines and Bays.
2	220kV D/C Versova - Khardanda line by Underground Cable (Ckt 2) (9.00 km)	
3	8 No. of 220 kV Bays at 220 kV Khardanda EHV Station	
4	30 No. of 33 kV Bays at 220 kV Khardanda EHV Station	

22.13 From the above rulings of the Commission, it is evident that the scheme for the 220 kV Khardanda substation and associated lines was not permitted to be executed under Section 62 of the Electricity Act, 2003, as the cost of the scheme was ₹965.50 crore, as recorded in the Order dated 30 May 2023 in Case No. 127 of 2022.

22.14 Thereafter, AEML-T submitted the DPRs for the 220 kV Khardanda substation (₹659.63 crore) and the 220 kV Uttan substation (₹479.55 crore) to the Commission on 11 November 2024. The Commission referred these schemes back on 6 January 2025, as the schemes were not part of AEML-T's transmission licence. Furthermore, the DPRs for other schemes, as listed in the table above, have yet to be submitted to the Commission and are also not part of AEML-T's transmission licence. Hence, the STU's contention that the threshold limit provisions of the MYT Regulations, 2019 (First Amendment) are applicable is not a valid argument.

- 22.15 Also, neither AEML-T nor STU has made out their case for execution of the aforesaid scheme under Section 62 of the EA 2003 instead of Section 63 of EA 2003. Also, STU has recommended these schemes for execution under a cost-plus regime without any specific reasons for exclusion as specified in the MYT Regulations.
- 22.16 Further, AEML-T has filed the Petition as per the 18 of the Electricity Act (**EA**), 2003, MERC (Transmission Licence Conditions) Regulations, 2004 (“**Transmission Licence Regulations**”) and under Regulation 105 of MERC (Multi-Year Tariff) Regulations, 2019 for amendment of its Transmission Licence No. 1 of 2011.
- 22.17 Also, STU has recommended the aforesaid schemes for amendment, stating that as per prevailing MYT Regulations, 2019, for the control period 2019-24, the Threshold limit is Rs 500 Cr. However, as per MYT Regulations, 2024, for the control period 2025-30, the Threshold limit is revised to Rs 200 Cr. The estimated costs of the schemes, excluding land cost and RI charges, are less than Rs. 500 Crore. As the present Petition is filed under Regulation 105(Power to relax) of MERC(MYT) Regulations, 2019, the threshold limit of Rs 500 Cr is applicable. Therefore, TBCB is not applicable for these schemes as the cost of the schemes is less than Rs. 500 Crore.
- 22.18 In this regard, it is worth noting that, as described above, AEML-T’s DPRs are neither part of the Transmission Licence nor have AEML-T submitted the DPRs before 10 February 2023 for the applicability of the threshold limit of Rs. 500 Cr (excluding land cost). Therefore, the provisions of the MYT Regulations 2019, which allow schemes to be executed under the cost-plus method as per Section 62 of the Electricity Act, 2003 or exclusion from the TBCB, do not apply to these schemes. Further, the cost of all DPRs is above Rs. 200 Cr (excluding land cost and RI Charges). Also, STU has not sought the approval of the Commission for not executing these schemes under TBCB as envisaged in the MYT Regulations 2019 and 2024. Hence, the provisions of the MYT Regulations 2024 for execution of the schemes through TBCB(i.e threshold limit of Rs. 200 Cr, excluding land cost and RI Charges) are applicable to these DPRs, being new schemes. Therefore, these schemes cannot be excluded from TBCB.
- 22.19 The Commission notes that the provisions of the Regulation 105 of MYT Regulations 2019 are as follows:
- “ 105 Power to relax*
- The Commission may by general or special order, for reasons to be recorded in writing, and after **giving an opportunity of hearing to the parties likely to be affected by grant of relaxation, may relax any of provisions of these Regulations on its own motion or on an application made before it by an interested person.**”*
- 22.20 On the issue of Relaxation to the provisions of the Regulations, the Hon’ble ATE in its Judgement dated 20 September, 2012 in Appeal No. 189 of 2011(The Tata Power Company Limited v/s Jharkhand State Electricity Regulatory Commission) has enumerated the principles relating to the exercise of power of relaxation. The relevant extract of the rulings is as follows:
- “29. The principles relating to the exercise of power of relaxation laid down in the above decisions referred to above are as follows:*

- (a) *The Regulation gives judicial discretion to the Commissions to relax norms based on the circumstances of the case. Such a case has to be one of those exceptions to the general rule. There has to be sufficient reason to justify relaxation which has to be exercised only in the exceptional case where non-exercise of the discretion would cause hardship and injustice to a party.*
- (b) *If there is a power to relax the regulation, the power must be exercised reasonably and fairly. It cannot be exercised arbitrarily to favour some party and to disfavour some other party.*
- (c) *The party who claims relaxation of the norms shall adduce valid reasons to establish to the State Commission that it is a fit case to exercise its power to relax such Regulation. In the absence of valid reasons, the State Commission cannot relax the norms for mere asking. ...”*

22.21 The aforesaid Hon’ble APTEL’s judgement provide the evaluations criteria for relaxation to the provisions of the Regulations. The joint reading of the provisions of the Regulation 105 of the MYT Regulations 2019 and the Hon’ble APTEL’s Judgment, it is clear that while invoking the power to the relax provisions of the Regulations, following criteria need to be fulfilled:

- a) Power to relax is the discretion to the Commissions to relax provisions of the Regulation based on the circumstances of the case. Hence, power to relax provisions needs to be assessed on case-to-case basis and not mandate in each case.
- b) Power to relax the provisions of the Regulations can be exercised with valid sufficient reasons in an exceptional case where there is likely of any hardship and injustice to a party if such power is not exercised.
- c) Power to relax provisions shall be exercised reasonably. It cannot be exercised arbitrarily to favour some party and to disfavour some other party.
- d) The party claiming the relaxation provisions shall submit the valid reasons and in the absence of valid reasons the State Commission cannot relax the norms for mere asking.
- e) Before relaxing the provisions of the Regulations, the Commission needs to give an opportunity of hearing to the affected parties.

22.22 It is a fact that AEML-T has filed the Petition under Section 105 of the MYT Regulations 2019 without any valid justification for relaxation of the Regulations. Further, STU has recommended the scheme for amendment without any supporting document. Hence, the recommendation of STU for the aforesaid schemes for amendment is not based on merit.

22.23 In view of the foregoing discussion, the Commission is not inclined to include the above scheme in the proposed list of the Transmission Lines and Bays costing above the threshold limit. It is observed that the Petitioner has also proposed third power

transformers as a separate scheme at these substations for the future. As the main scheme itself is not considered for amendment, the addition of third Transformer as proposed by AEML-T is also not considered for amendment.

- 22.24 If at all STU wishes to execute any specific scheme under Section 62 of the Act, instead of the TBCB route under Section 63 of the Act, it shall obtain the approval of the Commission with necessary justification in line with the provisions of the MYT Regulations 2024. The Commission may take a view based on the merit of the submission of STU.
- 22.25 Accordingly, the proposed schemes are analysed for the amendment in the subsequent part of this Order.

23 Amendment to the “Proposed Transmission Lines” (As a Future Plan based on MYT Regulations and STU Plan) :

Deletion of Lines due to shifting of the lines from the “Proposed Transmission Lines List ” to the “Existing Transmission Lines List.”

- 23.1 At the time of filing the Petition, the work of 220 kV BKC SS and associated line was in progress. Now the said work has been completed, and the scheme is commissioned. Hence, the Lines at Sr. No. 3 and 4 under the heading “Proposed Transmission Lines” shall be deleted as these lines are added to the Existing Lines since these Lines have now been commissioned as per the approved DPR.

Table 4: Amendment to the Proposed List of Transmission Lines due to the shifting of the lines from the Proposed List to the existing Transmission Lines List after commissioning.

Old Ref. No.	New Ref. No.	Particulars	Remarks / Justification for Amendment
3	-	220 kV Chembur to BKC (Golibar) Transmission Line 1 (12 km) from Chembur EHV sub-station to BKC (Golibar) EHV sub-station	Deleted from proposed list. The 220 kV BKC scheme has been completed as per approved DPR. Line shifted to Existing List of Lines as it has been commissioned.
4	-	220 kV Chembur to BKC (Golibar) Transmission Line 2 (12 km) from Chembur EHV sub-station to BKC (Golibar) EHV sub-station	

Change in Transmission Line Length in the List of Proposed Transmission Lines:

- 23.2 At the time of granting the transmission licence for the proposed transmission lines, the estimated line lengths were considered. However, following the route survey, changes in the line lengths have been identified. In certain cases, the DPRs for these schemes have been approved by the Commission based on the revised line lengths. Accordingly,

AEML-T has proposed changes in the lengths of the proposed lines, post-route survey, as follows:

Table 5: Amendment to the Proposed Transmission Lines List due to change in Line Lengths of Existing Transmission Lines List as per actual survey/ approved DPR:

Old Ref. No.	New Ref. No.	Original Ckt KM	Particulars	Revised Ckt km	Remark
5	7	15	220 kV Aarey to BKC (Golibar) Transmission Line 1 Aarey EHV sub-station to BKC (Golibar) EHV sub-station	17.5	- Length as per actual survey. MERC approved the scheme on 08.08.2024 - As per latest STU 10 year plan for FY 25 - FY 34.
6	8	15	220 kV Aarey to BKC (Golibar) Transmission Line 2 Aarey EHV sub-station to BKC (Golibar) EHV sub-station	17.5	
8	9	3.65	220 kV LILO of DTPS/Boisar - Versova at Kandivali (W) EHV Station Transmission Line 1 (Boisar - Kandivali Connectivity) from Boisar EHV sub-station to Kandivali EHV sub-station	4.2	- Length as per actual survey. MERC approval dated 26.09.2024. - As per latest STU 10 year plan for FY 25 - FY 34 (Part B - Link lines)
9	10	3.65	220 kV LILO of DTPS/Boisar - Versova at Kandivali (W) EHV Station Transmission Line 2 (Versova - Kandivali Connectivity) from Versova EHV sub-station to Kandivali EHV sub-station	4.2	

14	11	3.5	220 kV AEML Aarey to proposed 220kV Chandivali EHV Scheme Ckt 1	3	- Length as per actual survey . As per STU MoM dated 12.02.2024, 220kV Aarey-Chandivali S/C considered. -MERC Approval dated 7.5.2025. - As per latest STU 10 year plan.
15	12	3.5	220 kV AEML Aarey to 220kV TPC Saki EHV Scheme Ckt 2	3.6	- Length as per actual survey. As per STU MoM dated 12.02.2024, 220kV Aarey-TPC Saki S/C considered. -MERC Approval dated 7.5.2025. - As per latest STU 10 year plan.
7	13	4	LILO of Aarey - BKC (Golibar) Ckt 1 at Airport EHV Station from Aarey EHV sub-station to BKC (Golibar) Ckt 1 at Airport EHV sub-station	2	- Earlier 4 km length for both circuits. Included ckt.km length of each ckt. - As per latest STU 10year plan.
-	14		LILO of Aarey - BKC (Golibar) Ckt 1 at Airport EHV Station (2.00 km) from Aarey EHV sub-station to BKC (Golibar) Ckt 1 at Airport EHV sub-station	2	

23.3 AEML-T has proposed the change in Line Length as per detailed site survey. It is also verified by STU in its report. Hence, the Commission has considered the amendments in these proposed lines.

New Transmission Lines added in the “Proposed Transmission Lines List”:

23.4 The STU has notified its 10-year plan from FY 2024-25 to FY 2022-34. Considering the future requirement of the system, STU has planned the new schemes to be completed in the future. Hence new Lines added in the “Proposed Transmission Lines List” as per STU plan and recommendation report are as follows:

Table 6: Addition of new Transmission Lines in Proposed List of Transmission Lines

Old Ref. No.	New Ref. No.	Particulars of the Line	Ckt km	Remark
	17.	220kV TPC-T Sahar-AEML-T Airport transmission line 1 from TPC-T Sahar EHV sub-station to AEML-T Airport EHV sub-station	1.5	New proposed scheme included. - As per latest STU 10-year plan for FY 25 - FY 34 (Part B - Link lines) (COD: FY 29). SS is part of existing license. The line is additional source to the proposed SS. The Estimated Scheme cost of the scheme is Rs 124.76 Cr excluding Land Cost (Rs 0 Cr) and RI Cost (Rs 12.75 Cr) which is lower than threshold limit of Rs. 200 Cr. Hence TBCB is not applicable. Hence the scheme is considered for amendment.
	18.	220kV TPC-T Sahar-AEML-T Airport transmission line 2 from TPC-T Sahar EHV sub-station to AEML-T Airport EHV sub-station	1.5	

24 **Amendment to the “Proposed Bays at Substations”:** The numbers of Bays mentioned in the “Proposed List of Bays” shall be amended as follows:

24.1 Deletion of the proposed Bays as the scheme commissioned and Bays shifted to the Existing List or Bays reduced by STU as per Plan or not recommended by STU.

Table 7: Deletion of the proposed Bays as the scheme commissioned and Bays shifted to the Existing List as per STU Plan.

Old Ref. No.	New Ref. No.	Particulars	Remarks / Justification for Amendment
1(a)	5(a)	2 No. of 220 kV Bays at 220 kV Aarey EHV sub- station	Amended: Earlier 3 x 220 kV Bays. 2 X 220 kV Bays for Aarey - BKC DPR connectivity and 1 bay created during AIS to GIS Conversion as per latest STU 10-year plan for FY 25 - FY 34 (Part B - Link lines). 1 X 220 kV Bay created out of AIS to GIS shifted to

Old Ref. No.	New Ref. No.	Particulars	Remarks / Justification for Amendment
			Existing Bays due to commissioning of scheme.
4(a)	-	7x 220 kV Bays at 220 kV BKC SS	Amended: Earlier 10x220 kV Bays were in Proposed List of 220 kV BKC SS. The Bays revised as per STU 10 Year Plan to 7 X 220 kV Bays. 7 X 220 kV Bays shifted to Existing List of Bays as the project has been commissioned.
4(b)	-	20 x 33 kV Bays at 220 kV BKC SS	Amended: Out of 28 No of 33kV Bays, 20 No. of 33 kV Bays at 220 kV BKC EHV sub-station shifted to Existing List of the Bays. The Commission has approved only 20 X 33 kV Bays in the DPR. Hence, 8 bays of 33 kV are in the proposed list.

Table 8: Deletion of the proposed Bays as not included in STU plan and STU recommendation report:

Old Ref. No.	New Ref. No.	Particulars	Remarks / Justification for Amendment
5(a)	6(a)	7x 220 kV Bays at 220 kV Dahisar SS	Amended: Earlier 10 Bays were approved. The bays are revised to 7 x 220 kV Bays as per revised STU Plan. 3 Bays reduced as per STU Plan.
6(a)		2 No. of 220 kV Bays at 220 kV Ghodbunder EHV sub-station	Amended: AEML has proposed 2 X 220 kV Bays due to AIS to GIS conversion at Ghodbunder EHV Sub-station. However,

			the scheme is not recommended by STU. Also, scheme had been disallowed by the Commission. Hence, Bays deleted from the proposed list of the Bays.
8(a)		7 No. of 220 kV Bays at 220 kV Switching Station - Boisar - Ghodbunder	Amended: Earlier 220 kV switching station was proposed. AEML-T has deleted the scope as it has proposed to lay parallel cable to the exiting line instead of construction of switching station. The Commission has approved the scheme of parallel cable instead of Switching Station. Also, STU has not recommended the scheme. Hence, Bays deleted from the proposed list of the Bays.

24.2 Addition of New Bays in the “Proposed List of Bays”: New entry appended in the “Proposed List of Bays” as per STU plan/ STU recommendation is as follows:

Table 9: Addition of New Bays in the “Proposed List of Bays” (Proposed schemes as per STU plan and STU Recommendation)

Old Ref. No.	Fourth Amendment (Case No. 127 of 2022)	New Ref. No.	Fifth Amendment (Case No. 159 of 2024)	Remark
4(a)	---	1(a)	2 No. of 220 kV Bays at 220 kV BKC EHV sub- station	2 X 220 kV Bays for Aarey - BKC DPR connectivity, as per latest STU 10-year plan for FY 25 - FY 34 (Part B - Link lines). DPR approved by the commission on 8 August 2024 . No TBCB is applicable.

4(a)	---	1(a)	1 No. of 220 kV Bays at 220 kV BKC EHV sub- station	Increase in 220 kV Bay (1 no.) due to 3rd 125 MVA Transformer (as per latest STU 10 year plan for FY 25 - FY 34 (part C - Transformer additions). No TBCB is applicable.
	---	1(b)	15 No. of 33 kV Bays at 220 kV BKC EHV sub- station	1 no. of Board (15 Panel) for 3rd transformer (COD FY 27)
	---	1(b)	2 No. of 33 kV Bays at 220 kV BKC EHV sub- station	2 nos. of 33kV Bays due to 33kV Reactor Scheme (as per latest STU 10 year plan for FY 25 - FY 34 (Part D - Reactor installation) (COD FY 28)
	---	3(a)	1 No. of 220 kV Bays at 220 kV Chandivali EHV sub- station	1 no. of 220 kV Bay for S/C AEML Aarey to AEML Chandivali Connectivity as per STU 10-year plan for FY 25 - FY 34 (part B - Link lines). DPR is Approved by Commission on 7 May 2025. Rs. 291.92 Crore. No TBCB is applicable as it is a link line.
	---	3(a)	1 No. of 220 kV Bays at 220 kV Chandivali EHV sub- station	Addition of 1 no. of 220 kV Bay for 3rd Transformer Chandivali. Scheme is part of STU 10 Year Plan for the period FY25-FY34 (Part C -Transformer Addition) (COD: FY28)
	---	3(b)	15 No. of 33 kV Bays at 220 kV Chandivali EHV sub- station	3rd Transformer Chandivali 1 no. Board (15 Panel) added. Scheme is part of STU 10 Year Plan for the period FY25-FY34 (Part C -Transformer Addition) (COD: FY28)
	---	4(a)	1 No. of 220 kV Bays at 220 kV Kandivali EHV sub- station	1 no. 220 kV Bay for 3rd transformer (as per latest STU 10-year plan for FY 25 - FY 34 - part C - Transformer addition) (COD FY 29)
	---	4(b)	15 No. of 33 kV Bays at 220 kV	1 no. of Board (15 Panel) due to 3rd Transformer (COD FY 29)

			Kandivali EHV sub-station	
	---	5(a)	2 No. of 220 kV Bays at 220 kV Aarey EHV sub-station	2 nos. 220 kV Bay due to Aarey Chandivali Feed and Aarey TPC Saki connectivity , as per latest STU 10-year plan for FY 25 - FY 34 (Part B - Link lines). The scheme approved by the Commission on 7 May 2025. No TBCB is applicable.
	---	6(a)	3 No. of 220 kV Bays at 220 kV Dahisar EHV sub-station	1. 220 kV Bay (1 no.) due to 3rd 125 MVA Transformer (as per latest STU 10 year plan for FY 25 - FY 34- part C - Transformer additions) (COD FY 29) 2. Addition of 2 nos. 220 kV Bays for Borivali connectivity as per latest STU 10 year plan for FY 25 - FY 34. (Part C - Link lines) (COD FY 28)
	---	6(b)	15 No. of 33 kV Bays at 220 kV Dahisar EHV sub-station	1 No. of board (15 panel) for 3rd transformer (COD FY 29)
	---	7(a)	1 No. of 220 kV Bays at 220 kV Airport EHV sub-station	1 nos of bay at Airport for 3rd Transformer - as per latest STU 10-year plan for FY 25 - FY 34 (part C – Transformer Addition) (COD FY 31)
	---	7(b)	15 No. of 33 kV Bays at 220 kV Airport EHV sub-station	Addition of 1 no. of Board (15 Panel each) due to 3rd Transformer (COD FY 31)
	---	11(b)	15 No. of 33 kV Bays at 220 kV Malad EHV sub-station	As per STU 10 Year Plan: Addition of 1 no. of Board (15 Panel) due to 3rd Transformer

25 Non-consideration of the Lines and Bays for Amendment as proposed by AEML-T:

25.1 The Commission has not considered AEML-T's proposal of the addition of the following Transmission Lines and Bays for addition in the proposed list, as STU does not recommend the scheme.

Table 10: Proposed Transmission Lines and Bays not considered for amendment as not recommended by STU: :

S. No.	Particulars	Remarks / Justification for rejection of Amendment												
1	220kV and 33 kV Bays for 250 MW BESS Sub-station at Dahanu	<p>Not considered: AEML-T has claimed 10 X 220 kV Bays and 48 x 33 kV Bays. The STU has not recommended the scheme. As per MYT Regulations,2024 Threshold limit is revised to Rs 200 Cr. The Estimated Scheme cost is Rs 1004.55 Cr excluding Land Cost (Rs 12.60 Cr) and RI Cost (Rs 0 Cr).</p> <p>Scheme is not part of existing License amendment. As the Threshold limit is more than Rs 200Cr, TBCB is applicable for this scheme and hence not recommended for License amendment.</p>												
2	1 No. of 220 kV Bays at 220 kV Versova EHV sub- station	<p>AEML-T has proposed addition of 1X 220 kV Bay due to AIS to GIS conversion. The scheme of AIS to GIS conversion did not approve by the Commission. Hence bay is not recommended by the STU. Hence, a Bay at 220 kV Versova SS is not considered for Amendment.</p>												
3	Laying Parallel additional 220kV S/C underground cable system from existing Boisar - Borivali Line LILO Tower to AEML Ghodbunder EHV Station (4.29 km)	<p>The Commission has approved the DPR on 20 June 2025. The scope of work as proposed by AEML-T is as follows:</p> <table><tr><th>SN</th><th>Particular</th><th>Units</th><th>Qty.</th></tr><tr><td>1)</td><td>Lay Parallel additional 220kV S/C 2,500 sqmm cable system from existing LILO Tower to AEML Ghodbunder EHV Station</td><td>Ckt km</td><td>4.29</td></tr><tr><td>2)</td><td>Bunching of existing DC 1200 Sqmm LILO cable with modification on existing support</td><td>Set</td><td>1</td></tr></table>	SN	Particular	Units	Qty.	1)	Lay Parallel additional 220kV S/C 2,500 sqmm cable system from existing LILO Tower to AEML Ghodbunder EHV Station	Ckt km	4.29	2)	Bunching of existing DC 1200 Sqmm LILO cable with modification on existing support	Set	1
SN	Particular	Units	Qty.											
1)	Lay Parallel additional 220kV S/C 2,500 sqmm cable system from existing LILO Tower to AEML Ghodbunder EHV Station	Ckt km	4.29											
2)	Bunching of existing DC 1200 Sqmm LILO cable with modification on existing support	Set	1											

S. No.	Particulars	Remarks / Justification for rejection of Amendment			
			structure arrangement at LILO Tower		
		<p>From the above scope of work, it is clear that the proposed cable is for strengthening of the existing LILO cable on Boisar -Borivali at Ghodbunder Substation by laying new cable parallel to the exiting LILO cable. Hence, it will increase the capacity of existing cable. Hence, it cannot be treated new cable as claimed by AEML-T. STU has also recommended for deletion of switching station and laying of parallel cable.</p>			

25.2 The Commission has not considered AEML-T's claim of addition of following new schemes in the Proposed List as cost of the schemes is more than threshold limit of Rs. 200 Crore (excluding land cost and RI Charges) as defined in the MYT Regulations 2024. The detailed analysis and rulings of the Commission in this regard is **elaborated at Para No. 22 of this Order.**

Table 11: New Transmission Lines and Bays proposed by AEML-T in the Petition but not included in Proposed List as scheme cost is more than threshold limit.

Sr. No.	Name of the scheme	Project Cost	Land Cost Rs. Cr	RI Charges Rs. Cr	Total Cost
1.	220 kV Khardanda SS and Lines.	421.28	194.08	44.27	659.63
2.	220 kV Uttan SS and Lines.	448.2	12.73	18.62	479.55
3.	220 kV Tilak Nagar SS and Lines.	285.21	47.64	7.6	340.45
4.	220 kV Nahar SS and Lines.	365.19	200.80	38.25	604.24
5.	220 kV Kashi SS and Lines.	282.75	13	4.25	300
6.	220 kV Tagore Nagar SS and Lines.	277.71	111	4.25	392.96
7.	220 kV Vazira Naka SS and Lines	276.94	100	4.25	381.19

- 26 A comparative list of Existing and Proposed Transmission Lines and Bays for the Fourth Amendment (Case No. 127 of 2022) and Fifth Amendment (Case No. 159 of 2024) is attached to this Order as **Appendix-“2” and Appendix-“3”**, respectively.
- 27 Considering the above discussions, the Summary of the Rulings of the Commission as per the Prayer of AEML-T to allow amendment of the Transmission Licence is discussed in the rulings in the **Paras from 17 to 26 of this Order**.
- 28 Accordingly, the Fifth Amendment to Transmission Licence No. 1 of 2011 accompanies this Order. The Commission's Secretariat shall forward a copy to the Government of Maharashtra (Energy Dept., GoM), all Electricity Transmission and Distribution Licensees in the State, the Central Electricity Authority, and the concerned Local Authorities, and upload it on the Commission's website.
- 29 Hence, the following Order:

ORDER

- 1. The Petition in Case No. 159 of 2024 is partly allowed in terms of the analysis made in Para. 17 to para. 26 of this Order.**
- 2. The Fifth Amendment to Transmission Licence No. 1 of 2011 accompanies this Order. The Commission's Secretariat shall forward a copy to the Government of Maharashtra (Energy Dept., GoM), all Electricity Transmission and Distribution Licensees in the State, the Central Electricity Authority, and the concerned Local Authorities, and upload it on the Commission's website.**

Sd/-

(Surendra J. Biyani)
Member

Sd/-

(Anand M. Limaye)
Member

Sd/-

(Sanjay Kumar)
Chairperson



(Dr. Rajendra G. Ambekar)
Secretary



Appendix – 1

Attendance at e-Public Hearing on 25 July, 2025

Sr. No.	Name	Organization
1.	Shri Vivek Mishra	AEML – T
2.	Shri Rakesh Raj	AEML – T
3.	Shri Saloni Fulmali	AEML – T

Appendix – 2

“Existing Transmission Lines”

Old Ref. No.	Fourth Amendment (Case No. 127 of 2022)	Ckt km	New Ref. No.	Fifth Amendment (Case No. 159 of 2024)	Revised Ckt Km	Remark
1	220 kV Dahanu - Ghodbunder-1 Transmission Line (84.61 km) from Dahanu to Ghodbunder EHV substation	84.61	1	220 kV Dahanu - Ghodbunder-1 Transmission Line (84.58 km) from Dahanu to Ghodbunder EHV substation	84.58	Change in ckt km due to line diversion work (DFCCIL,NHSRCL,CASLLP)
2	220 kV Dahanu - Ghodbunder-1 Transmission Line (84.61 km) from Dahanu to Ghodbunder EHV substation	84.61	2	220 kV Dahanu - Ghodbunder-2 Transmission Line (84.58 km) from Dahanu to Ghodbunder EHV substation	84.58	Change in ckt km due to line diversion work (DFCCIL,NHSRCL,CASLLP)
3	220 kV Dahanu - MSETCL Viraj Transmission Line (23.68 km)	23.68	3	220 kV Dahanu - MSETCL Viraj Transmission Line (26.38 km)	26.42	Typo correction 26.42 km Change in ckt km due to line diversion work (DFCCIL,NHSRCL)
4	220 kV MSETCL Viraj - MSETCL Boisar	4.23	4	220 kV MSETCL Viraj - MSETCL Boisar Transmission Line (4.24 km)	4.24	Change in ckt km due to line diversion work (NHSRCL)

	Transmission Line (4.23 km)					
5	220 kV MSETCL Boisar - Versova Transmission Line (91.38 km) from MSETCL Boisar to Versova EHV sub-station	91.38	5	220 kV MSETCL Boisar - Versova Transmission Line (91.03 km) from MSETCL Boisar to Versova EHV sub-station	91.03	Change in ckt km due to line diversion work (NHSRCL,DFCCIL,CASLLP, Metro-9 by MMRDA)
6	220 kV Dahanu - Versova Transmission Line (106.11 km) from Dahanu to Versova EHV sub-station	106.11	6	220 kV Dahanu - Versova Transmission Line (105.92 km) from Dahanu to Versova EHV sub-station	105.92	Change in ckt km due to line diversion work (DFCCIL,NHSRCL,CASLLP, Metro-9 by MMRDA)
7	220 kV Ghodbunder – Gorai Transmission Line (9.72 km) from Ghodbunder EHV sub-station to Versova EHV sub-station	9.72	7	220 kV Ghodbunder – Gorai Transmission Line (9.76 km) from Ghodbunder EHV sub-station to Versova EHV sub-station	9.76	Change in ckt km due to line diversion work (Metro-9 by MMRDA)
8	220 kV Gorai – Versova Transmission Line (12.15 km) from Gorai EHV sub-station to Versova EHV substation	12.15	8	220 kV Gorai – Versova Transmission Line (12.15 km) from Gorai EHV sub-station to Versova EHV substation	12.15	No Change

9	220 kV Ghodbunder - Versova-2 Transmission Line (20.65 km) from Ghodbunder EHV sub-station to Versova EHV sub-station	20.65	9	220 kV Ghodbunder - Versova-2 Transmission Line (20.69 km) from Ghodbunder EHV sub-station to Versova EHV sub-station	20.69	Change in ckt km due to line diversion work (Metro-9 by MMRDA)
10	220 kV Versova - Goregaon-1 Transmission Line (4.23 km) from Versova EHV sub-station to Goregaon EHV sub-station	4.23	10	220 kV Versova - Goregaon-1 Transmission Line (4.26 km) from Versova EHV sub-station to Goregaon EHV sub-station	4.26	Change in ckt km due to line diversion work (DMRC)
11	220 kV Goregaon - Aarey-1 Transmission Line (5.04 km) from Goregaon EHV sub-station to Aarey EHV sub-station	5.04	11	220 kV Goregaon - Aarey-1 Transmission Line (5.19 km) from Goregaon EHV sub-station to Aarey EHV sub-station	5.19	- Change in ckt.km due to cable shifting work under 220kV AIS to GIS Conversion Scheme
12	220 kV Versova - Goregaon-2 Transmission Line (4.23 km) from Versova EHV sub-station to Goregaon EHV sub-station	4.23	12	220 kV Versova - Goregaon-2 Transmission Line (4.24 km) from Versova EHV sub-station to Goregaon EHV sub-station	4.24	Change in ckt km due to line diversion work (DMRC)

13	220 kV Goregaon - Aarey-2 Transmission Line (5.05 km) from Goregaon EHV sub-station to Aarey EHV sub-station	5.05	13	220 kV Goregaon - Aarey-2 Transmission Line (5.20 km) from Goregaon EHV sub-station to Aarey EHV sub-station	5.2	- Change in ckt.km due to cable shifting work under 220kV AIS to GIS Conversion Scheme
14	220 kV Aarey - Saki-1 Transmission Line (4.0 km) from Aarey EHV sub-station to Saki EHV sub-station	4	14	220 kV Aarey - Saki-1 Transmission Line (4.0 km) from Aarey EHV sub-station to Saki EHV sub-station	4	No Change
15	220 kV Aarey - Saki-2 Transmission Line (4.0 km) from Aarey EHV sub-station to Saki EHV sub-station	4	15	220 kV Aarey - Saki-2 Transmission Line (4.0 km) from Aarey EHV sub-station to Saki EHV sub-station	4	No Change
16	220 kV Aarey - TPC Borivali Transmission Line (12.15 km) from TPC (Borivali) EHV sub-station to Aarey EHV substation	12.15	16	220 kV Aarey - TPC Borivali Transmission Line (12.21 km) from TPC (Borivali) EHV sub-station to Aarey EHV substation	12.21	- Change in ckt.km due to cable shifting work under 220kV AIS to GIS Conversion Scheme
17	220 kV Aarey - AEML Borivali Transmission Line (12.53 km) from AEML (Borivali) EHV sub-	12.53	17	220 kV Aarey - AEML Borivali Transmission Line (12.60 km) from AEML	12.6	- Change in ckt.km due to cable shifting work under 220kV AIS to GIS Conversion Scheme

	station to Aarey EHV sub-station			(Borivali) EHV sub- station to Aarey EHV sub-station		
18	220 kV AEML Borivali - TPC Borivali Transmission Line (0.10 km)	0.1	18	220 kV AEML Borivali - TPC Borivali Transmission Line (0.10 km)	0.1	No Change
19	220 kV MSETCL Borivali - Gorai-1 Transmission Line (9.1 km) from MSETCL Borivali EHV sub- station to Gorai EHV sub-station	9.1	19	220 kV MSETCL Borivali - Gorai-1 Transmission Line (9.1 km) from MSETCL Borivali EHV sub- station to Gorai EHV sub-station	9.1	No Change
20	220 kV MSETCL Borivali - Gorai-2 Transmission Line (9.1 km) from MSETCL Borivali EHV sub- station to Gorai EHV sub-station	9.1	20	220 kV MSETCL Borivali - Gorai-2 Transmission Line (9.1 km) from MSETCL Borivali EHV sub- station to Gorai EHV sub-station	9.1	No Change
21	220 kV MSETCL Borivali - AEML Borivali-1 Transmission Line (2.7 km) from MSETCL Borivali EHV substation to	2.7	21	220 kV MSETCL Borivali - AEML Borivali-1 Transmission Line (2.7 km) from MSETCL Borivali EHV substation to AEML Borivali EHV sub-station	2.7	No Change

	AEML Borivali EHV sub-station					
22	220 kV MSETCL Borivali - AEML Borivali-2 Transmission Line (2.7 km) from MSETCL Borivali EHV substation to AEML Borivali EHV sub-station	2.7	22	220 kV MSETCL Borivali - AEML Borivali-2 Transmission Line (2.7 km) from MSETCL Borivali EHV substation to AEML Borivali EHV sub-station	2.7	No Change
23	220 kV Chembur - MSETCL Trombay-1 Transmission Line (8.13 km) from Chembur EHV sub-station to MSETCL Trombay EHV sub-station	8.13	23	220 kV Chembur - MSETCL Trombay-1 Transmission Line (8.13 km) from Chembur EHV sub-station to MSETCL Trombay EHV sub-station	8.13	No Change
24	220 kV Chembur - MSETCL Trombay-2 Transmission Line (8.13 km) from Chembur EHV sub-station to MSETCL Trombay EHV sub-station	8.13	24	220 kV Chembur - MSETCL Trombay-2 Transmission Line (8.13 km) from Chembur EHV sub-station to MSETCL Trombay EHV sub-station	8.13	No Change

25	220 kV MSETCL Boisar (Tower No. 257) - Ghodbunder Transmission Line (4.29 km) from MSETCL Boisar EHV substation to Ghodbunder EHV sub-station	4.29	25	220 kV MSETCL Kudus (Tower No. 257) - Ghodbunder Transmission Line (4.29 km) from MSETCL Boisar EHV substation to Ghodbunder EHV sub-station	4.29	No Change in Length. MSETCL Kudus SS is commissioned.
26	220 kV Ghodbunder - MSETCL Borivali (Tower No. 257) Transmission Line (4.29 km) from Ghodbunder EHV sub-station to MSETCL Boisar EHV substation	4.29	26	220 kV Ghodbunder - MSETCL Borivali (Tower No. 257) Transmission Line (4.29 km) from Ghodbunder EHV sub-station to MSETCL Boisar EHV substation	4.29	No Change
27	220 kV AEML Saki - TPC Saki Transmission Line 1 (1.25 km)	1.25	27	220 kV AEML Saki - TPC Saki Transmission Line 1 (1.25 km)	1.25	No Change
28	220 kV AEML Saki - TPC Saki Transmission Line 2 (1.22 km)	1.22	28	220 kV AEML Saki - TPC Saki Transmission Line 2 (1.22 km)	1.22	No Change
29	220 kV Aarey to MSETCL Borivali line 1 (12.70 km) from Aarey EHV sub-station to MSETCL Borivali EHV sub-station	12.7	29	220 kV Aarey to MSETCL Borivali line 1 (12.70 km) from Aarey EHV sub-station to MSETCL Borivali EHV sub-station	12.7	No Change

30	220 kV Aarey to MSETCL Borivali line 2 (12.70 km) from Aarey EHV sub-station to MSETCL Borivali EHV sub-station	12.7	30	220 kV Aarey to MSETCL Borivali line 2 (12.70 km) from Aarey EHV sub-station to MSETCL Borivali EHV sub-station	12.7	No Change
31	220 kV MSETCL Nerul-AEML Chembur Transmission Line (LILO at telecom factory) (2.78 km) from MSETCL Nerul EHV sub-station to AEML Chembur EHV sub-station	2.78	31	220 kV MSETCL Nerul-AEML Chembur Transmission Line (LILO at telecom factory) (2.78 km) from MSETCL Nerul EHV sub-station to AEML Chembur EHV sub-station	2.78	No Change
32	220 kV AEML Chembur-MSETCL Trombay Transmission Line (LILO at telecom factory) (2.78 km) from AEML Chembur EHV sub-station to MSETCL Trombay EHV sub-station	2.78	32	220 kV AEML Chembur-MSETCL Trombay Transmission Line (LILO at telecom factory) (2.78 km) from AEML Chembur EHV sub-station to MSETCL Trombay EHV sub-station	2.78	No Change
			33	220kV Chembur to BKC transmission line 1 (10.25km) from Chembur EHV sub-station to BKC EHV sub-station	10.25	Lines shifted from Proposed List to Existing List of Line due to COD of the scheme.

			34	220kV Chembur to BKC transmission line 2 (10.25 km) from Chembur EHV sub-station to BKC EHV sub-station	10.25	
		570.34			593.54	

“Existing Bays at Sub-station”

Sr. No.	Name of SS	As per Licence (Including all amendments) : 220 kV (a) , 33 kV (b)		Revised 220 kV (a) , 33 kV (b)		Remarks
		220kV (a)	33kV (b)	220kV (a)	33kV (b)	
1	Aarey EHV Sub-station	17	82	18	82	1 no. Bay increased due to AIS to GIS conversion at Aarey EHV Sub-station (Removed 1 no. of TBC Bay and incl. 2 nos. of PT Bays) - Shifted from proposed to existing
2	Borivali EHV Sub-station	10	33	10	33	NC
3	Chembur EHV Sub-station	10	42	12	42	Amended; Earlier 10 no. of Bays were commissioned, however under 220kV BKC EHV S/s Scheme 2 additional Bays are added.
4	Ghodbunder EHV Sub-station	19	59	19	59	NC
5	Gorai EHV Sub-station	10	26	10	26	NC

6	Goregaon EHV Sub-station	10	42	10	42	NC
7	MSETCL Borivali EHV Sub-station	9	0	9	0	NC
8	MSETCL Trombay EHV Sub-station	5	0	5	0	NC
9	Saki EHV Sub-station	10	42	10	42	NC
10	Versova EHV Sub-station	17	66	17	66	NC
11	BKC EHV SS	0	0	7	20	New Addition; 220kV BKC EHV S/s commissioned as per STU Plan and DPR Approval dated 06.08.2021. 07 nos of 220kV and 20 No. of 33 kV Bays Shifted from proposed list to existing list.
		117	392	127	412	

Appendix – 3

“Proposed Transmission Lines.”

Old Ref. No.	Fourth Amendment (Case No. 127 of 2022)	Ckt KM	New Ref. No.	Fifth Amendment (Case No. 159 of 2024)	Ckt km	Remark
16	LILO of 220kV AEML Aarey-Borivali OH line at Malad by laying 220kV D/C Underground Cable (Ckt 1) (1.00 km)	1	1	LILO of 220kV AEML Aarey-Borivali OH line at Malad by laying 220kV D/C Underground Cable (Ckt 1) (1.00 km)	1	No Change
17	LILO of 220kV AEML Aarey-Borivali OH line at Malad by laying 220kV D/C Underground Cable (Ckt 2) (1.00 km)	1	2	LILO of 220kV AEML Aarey-Borivali OH line at Malad by laying 220kV D/C Underground Cable (Ckt 2) (1.00 km)	1	No Change
3	220 kV Chembur to BKC (Golibar) Transmission Line 1 (12 km) from Chembur EHV sub-station to BKC (Golibar) EHV sub-station	12	0	220 kV Chembur to BKC (Golibar) Transmission Line 1 (12 km) from Chembur EHV sub-station to BKC (Golibar) EHV sub-station	0	Amended: Change in Line Length as per actual. The Line is commissioned. Hence Shifted to existing List of Line

4	220 kV Chembur to BKC (Golibar) Transmission Line 2 (12 km) from Chembur EHV sub-station to BKC (Golibar) EHV sub-station	12	0	220 kV Chembur to BKC (Golibar) Transmission Line 2 (12 km) from Chembur EHV sub-station to BKC (Golibar) EHV sub-station	0	Amended: Change in Line Length as per actual. The Line is commissioned. Hence Shifted to existing List of Line
12	220 kV LILO of TPC Salsette – Saki Line (220kV Chandivali EHV Scheme) Ckt 1 (0.35 km)	0.35	3	220 kV LILO of KVPTL Vikhroli – TPC Saki Line (220kV Chandivali EHV Scheme) Ckt 1 (0.35 km)	0.35	Name Change due to COD of KVTL Vikhroli SS. As per latest STU 10 year plan for FY 25 - FY 34 (Part A2 - Associated lines) (COD : FY26)
13	220 kV LILO of TPC Salsette – Saki Line (220kV Chandivali EHV Scheme) Ckt 2 (0.35 km)	0.35	4	220 kV LILO of KVPTL Vikhroli TPC Salsette – TPC Saki Line (220kV Chandivali EHV Scheme) Ckt 2 (0.35 km)	0.35	
1	220 kV Ghodbunder - Dahisar-1 Transmission Line (6.5 km) from Ghodbunder EHV sub-station to Dahisar EHV sub-station	6.5	5	220 kV Ghodbunder - Dahisar-1 Transmission Line (6.5 km) from Ghodbunder EHV sub-station to Dahisar EHV sub-station	6.5	No Change
2	220 kV Ghodbunder - Dahisar-2 Transmission Line (6.5 km) from Ghodbunder EHV sub-station to Dahisar EHV sub-station	6.5	6	220 kV Ghodbunder - Dahisar-2 Transmission Line (6.5 km) from Ghodbunder EHV sub-station to Dahisar EHV sub-station	6.5	No Change
5	220 kV Aarey to BKC (Golibar) Transmission Line 1 (15.00 km)	15	7	220 kV Aarey to BKC (Golibar) Transmission Line	17.5	- The revised length as per actual. The Commission

	Aarey EHV sub-station to BKC (Golibar) EHV sub-station			1 (17.50 km) Aarey EHV sub-station to BKC (Golibar) EHV sub-station		approved scheme on 08.08.2024. - As per latest STU 10 year plan for FY 25 - FY 34 (Part B - Link lines) (COD : Y29) . TBCB is not applicable.
6	220 kV Aarey to BKC (Golibar) Transmission Line 2 (15.00 km) Aarey EHV sub-station to BKC (Golibar) EHV sub-station	15	8	220 kV Aarey to BKC (Golibar) Transmission Line 2 (17.50 km) Aarey EHV sub-station to BKC (Golibar) EHV sub-station	17.5	
8	220 kV LILO of DTPS/Boisar - Versova at Kandivali (W) EHV Station Transmission Line 1 (Boisar - Kandivali Connectivity) (3.65 km) from Boisar EHV sub-station to Kandivali EHV sub-station	3.65	9	220 kV LILO of DTPS/Boisar - Versova at Kandivali (W) EHV Station Transmission Line 1 (Boisar - Kandivali Connectivity) (4.20 km) from Boisar EHV sub-station to Kandivali EHV sub-station	4.2	Revised line length as per Kandivali EHV Stn DPR. The scheme is approved by the Commission on 26.9.2024. - As per latest STU 10 year plan for FY 25 - FY 34 (Part A2 - Associated lines) (COD : FY 27) . No TBCB is applicable.
9	220 kV LILO of DTPS/Boisar - Versova at Kandivali (W) EHV Station Transmission Line 2 (Versova - Kandivali Connectivity) (3.65 km) from Versova EHV sub-station to Kandivali EHV sub-station	3.65	10	220 kV LILO of DTPS/Boisar - Versova at Kandivali (W) EHV Station Transmission Line 2 (Versova - Kandivali Connectivity) (4.20 km) from Versova EHV sub-station to Kandivali EHV sub-station	4.2	

14	220 kV AEML Aarey to proposed 220kV Chandivali EHV Scheme Ckt 1 (3.50 km)	3.5	11	220 kV AEML Aarey to proposed 220kV Chandivali EHV Scheme Ckt 1 (3.00 km)	3	<ul style="list-style-type: none"> - As per STU MoM dated 12.02.2024, 220kV Aarey-Chandivali S/C considered. - As per latest STU 10 year plan for FY 25 - FY 34 (Part B- Link Lines) (COD : FY28)
15	220 kV AEML Aarey to proposed 220kV Chandivali EHV Scheme Ckt 2 (3.50 km)	3.5	12	220 kV AEML Aarey to 220kV TPC Saki EHV Scheme Ckt 2 (3.60 km)	3.6	<ul style="list-style-type: none"> - As per STU MoM dated 12.02.2024, 220kV Aarey-TPC Saki S/C considered. - Line length proposed considering the line length of existing AEML Aarey-AEML Saki connectivity. - As per latest STU 10 year plan for FY 25 - FY 34 (Part B- Link Lines) (COD : FY28)
7	LILO of Aarey - BKC (Golibar) Ckt 1 at Airport EHV Station (4.00 km) from Aarey EHV sub-station to BKC (Golibar) Ckt 1 at Airport EHV sub-station	4	13	LILO of Aarey - BKC (Golibar) Ckt 1 at Airport EHV Station (2.00 km) from Aarey EHV sub-station to BKC (Golibar) Ckt 1 at Airport EHV sub-station	2	<ul style="list-style-type: none"> - Included ckt.km length of each ckt. - As per latest STU 10year plan for FY 25 - FY 34 (Part A2 - Associated lines) (COD : FY 29) - Line 1 separately shown

-			14	LILO of Aarey - BKC (Golibar) Ckt 2 at Airport EHV Station (2.00 km) from Aarey EHV sub-station to BKC (Golibar) Ckt 1 at Airport EHV sub-station	2	- Included ckt.km length of each ckt. - As per latest STU 10 year plan for FY 25 - FY 34 (Part A2 - Associated lines) (COD : FY 29) - Line 2 separately shown
10	220 kV Dahisar - Borivali Transmission Line 1 (6.00 km) from Dahisar EHV sub-station to Borivali EHV sub-station	6	15	220 kV Dahisar - Borivali Transmission Line 1 (6.00 km) from Dahisar EHV sub-station to Borivali EHV sub-station	6	No Change
11	220 kV Dahisar - Borivali Transmission Line 2 (6.00 km) from Dahisar EHV sub-station to Borivali EHV sub-station	6	16	220 kV Dahisar - Borivali Transmission Line 2 (6.00 km) from Dahisar EHV sub-station to Borivali EHV sub-station	6	No Change
		0	17	220kV TPC-T Sahar-AEML-T Airport transmission line 1 (1.50 km) from TPC-T Sahar EHV sub-station to AEML-T Airport EHV sub-station	1.5	New proposed scheme included. - As per latest STU 10 year plan for FY 25 - FY 34 (Part B - Link lines) (COD : FY 29). Airport SS is part of existing license. The line is additional source to the proposed SS. The Estimated cost of the scheme is Rs
		0	18	220kV TPC-T Sahar-AEML-T Airport transmission line 2 (1.50 km) from TPC-T Sahar	1.5	

				EHV sub-station to AEML-T Airport EHV sub-station		124.76 Cr excluding Land Cost(Rs 0 Cr) and RI Cost(Rs 12.75 Cr) which is lower than threshold limit of Rs. 200 Cr. Hence TBCB is not applicable.
	Total	100.00			84.70	

“Proposed List of Bays”

Old Ref. No.	Fourth Amendment (Case No. 127 of 2022)	New Ref. No.	Fifth Amendment (Case No. 159 of 2024)	Remark
4 (a)	10 No. of 220 kV Bays at 220 kV BKC (Golibar) EHV sub-station	0	0	Out of 10 Bays , 07 Bays shifted to existing List due to commissioning of BKC scheme. 3 Bays reduced as per the STU plan. DPR Approved by the Commission on 6.8.2021.
	Addition	1(a)	2 No. of 220 kV Bays at 220 kV BKC EHV sub- station	2 no. 220 kV Bays for Aarey - BKC connectivity DPR , as per latest STU 10 year plan for FY 25 - FY 34 (Part B - Link lines). DPR approved by the commission . No TBCB is applicable.
	Addition	1(a)	1 No. of 220 kV Bays at 220 kV BKC EHV sub- station	Increase in 220 kV (1 no.) due to 3rd 125 MVA Transformer (as per latest STU 10 year plan for FY 25 - FY 34 (part C - Transformer additions).No TBCB is applicable.

4(b)	28 No. of 33kV Bays at 220 kV BKC EHV sub- station	1(b)	08 No. of 33kV Bays at 220 kV BKC EHV sub- station	Out of 28 Bays , 20 Bays Shifted to Existing List due to commissioning of BKC scheme. In the DPR , 20 Bays of 33 kV were approved. 8 Bays balance in the proposed list as per DPR Approved by the Commission on 6.8.2021.
4 (b)	2 No. of 33kV Bays at 220 kV BKC EHV sub- station	1(b)	2 No. of 220 kV Bays at 220 kV BKC EHV sub- station	No Change . Two Bays for reactors
	Addition	1(b)	15 No. of 33 kV Bays at 220 kV BKC EHV sub- station	1 no. of Board (15 Panel) for 3rd transformer (COD FY 27)
	Addition	1(b)	2 No. of 33 kV Bays at 220 kV BKC EHV sub- station	2 nos. of 33kV Bays due to 33kV Reactor Scheme (as per latest STU 10 year plan for FY 25 - FY 34 (Part D - Reactor installation) (COD FY 28)
10 (a)	1 No. of 220 kV Bays at 220 kV Chembur EHV sub- station	2(a)	1 No. of 220 kV Bays at 220 kV Chembur EHV sub- station	No Change
11 (a)	7 No. of 220 kV Bays at 220 kV Chandivali EHV sub- station	3(a)	7 No. of 220 kV Bays at 220 kV Chandivali EHV sub- station	No Change
	Addition	3(a)	1 No. of 220 kV Bays at 220 kV Chandivali EHV sub- station	Addition of 1 no. of Bays for 3rd Transformer Chandivali. Scheme is part of STU 10 Year Plan for the period FY25-FY34 (Part C - Transformer Addition) (COD : FY28)

	Addition	3(b)	15 No. of 33 kV Bays at 220 kV Chandivali EHV sub-station	3rd Transformer Chandivali 1 no. Board (15 Panel) added. Scheme is part of STU 10 Year Plan for the period FY25-FY34 (Part C -Transformer Addition) (COD : FY28)
11 (b)	30 No. of 33 kV Bays at 220 kV Chandivali EHV sub- station	3(b)	30 No. of 33 kV Bays at 220 kV Chandivali EHV sub-station	No Change
	Addition	3(a)	1 No. of 220 kV Bays at 220 kV Chandivali EHV sub-station	1 no. of Bay for S/C AEML Aarey to AEML Chandivali Connectivity as per 9th MTC dated 13.03.2024. Scheme is part of latest STU 10 year plan for FY 25 - FY 34 (part B - Link lines). Approved by Commission on 7 May 2025. Rs. 291.92 Crore. No TBCB is applicable. Link Line work.
7 (a)	8 No. of 220 kV Bays at 220 kV Kandivali EHV Station	4(a)	7 No. of 220 kV Bays at 220 kV Kandivali EHV Station	As per revised STU Plan. One Bay Reduced . The scheme has been approved by the Commission on 26.9.2024. No TBCB is applicable.
7 (b)	30 No. of 33 kV Bays at 220 kV Kandivali EHV Station	4(b)	30 No. of 33 kV Bays at 220 kV Kandivali EHV Station	No Change
	Addition	4(a)	1 No. of 220 kV Bays at 220 kV Kandivali EHV sub-station	1 no. Bay for 3rd transformer (as per latest STU 10 year plan for FY 25 - FY 34 - part C - Transformer addition) (COD FY 29)

	Addition	4(b)	15 No. of 33 kV Bays at 220 kV Kandivali EHV sub-station	1 no. of Board (15 Panel) due to 3rd Transformer (COD FY 29)
1 (a)	1 No. of 220 kV Bays at 220 kV Aarey EHV sub- station	5(a)	0	1 no. 220 kV Bays for Aarey - BKC DPR connectivity, as per latest STU 10 year plan for FY 25 - FY 34 (Part B - Link lines) (COD : FY 29). 1 X 220 kV Bay created out of AIS to GIS shifted to Existing Bays.
1 (a)	2 No. of 220 kV Bays at 220 kV Aarey EHV sub- station	5(a)	2 No. of 220 kV Bays at 220 kV Aarey EHV sub- station	NC
	Addition	5(a)	2 No. of 220 kV Bays at 220 kV Aarey EHV sub- station	2 nos. Bay due to Aarey Chandivali 2nd Feed and Aarey to TPC- Saki SS , as per latest STU 10 year plan for FY 25 - FY 34 (Part B - Link lines). The scheme approved by the Commission on 7 May 2025.
5 (a)	10 No. of 220 kV Bays at 220 kV Dahisar EHV sub- station	6(a)	7 No. of 220 kV Bays at 220 kV Dahisar EHV sub-station As per Revised Plan	As per Revised STU Plan. Three Bays of 220 kV Bay Reduced as per STU 10 year plan. The Commission has approved the scheme.
	Addition	6(a)	3 No. of 220 kV Bays at 220 kV Dahisar EHV sub-station	1. 220 kV Bay (1 no.) due to 3rd 125 MVA Transformer (as per latest STU 10 year plan for FY 25 - FY 34- part C - Transformer additions) (COD FY 29) 2. Addition of 2 nos. Bays for Borivali connectivity as per latest STU 10 year plan for

				FY 25 - FY 34. (Part C - Link lines) (COD FY 28)
5 (b)	30 No. of 33 kV Bays at 220 kV Dahisar EHV sub- station	6(b)	30 No. of 33 kV Bays at 220 kV Dahisar EHV sub- station	No Change
	Addition	6(b)	15 No. of 33 kV Bays at 220 kV Dahisar EHV sub- station	1 No. of board (15 panel) for 3rd transformer (COD FY 29)
8 (a)	7 No. of 220 kV Bays at 220 kV Switching Station - Boisar - Ghodbunder	-	-	Amended: AEML-T has deleted the scope as AEML-T has proposed to lay parallel to the exiting line instead of construction of switching station. STU has also recommended for deletion.
2 (a)	9 No. of 220 kV Bays at 220 kV AEML-T Airport EHV Station (TPC-T Sahar - AEML-T Airport)	7(a)	9 No. of 220 kV Bays at 220 kV AEML-T Airport EHV Station (TPC-T Sahar - AEML-T Airport)	No Change
	Addition	7(a)	1 No. of 220 kV Bays at 220 kV Airport EHV sub- station	1 nos of bay at Airport for 3rd Transformer - as per latest STU 10 year plan for FY 25 - FY 34 (part C – Transformer Addition) (COD FY 31)
2 (b)	28 No. of 33 kV Bays at 220 kV AEML-T Airport EHV Station (TPC-T Sahar - AEML-T Airport)	7(b)	28 No. of 33 kV Bays at 220 kV AEML-T Airport EHV Station (TPC-T Sahar - AEML-T Airport)	No Change

	Addition	7(b)	15 No. of 33 kV Bays at 220 kV Airport EHV sub-station	Addition of 1 no. of Board (15 Panel each) due to 3rd Transformer (COD FY 31)
3 (a)	2 No. of 220 kV Bays at 220 kV AEML - Borivali EHV Station	8(a)	2 No. of 220 kV Bays at 220 kV AEML - Borivali EHV Station	No Change
3 (b)	2 No. of 33 kV Bays at 220 kV AEML - Borivali EHV Station	8(b)	2 No. of 33 kV Bays at 220 kV AEML - Borivali EHV Station	No Change
6 (a)	2 No. of 220 kV Bays at 220 kV Ghodbunder EHV sub-station	0	0	The Bays were to be created from AIS to GIS conversion of the existing Bays. However, the scheme is not approved by the Commission. Hence, STU does not recommend the Bays. Hence Bays not considered for amendment.
6 (b)	4 No. of 33 kV Bays at 220 kV Ghodbunder EHV sub- station	9(b)	4 No. of 33 kV Bays at 220 kV Ghodbunder EHV sub-station	No Change
9 (b)	5 No. of 33 kV Bays at 220 kV Versova EHV sub- station	10(b)	5 No. of 33 kV Bays at 220 kV Versova EHV sub-station	No Change
12 (a)	8 No. of 220 kV Bays at 220 kV Malad EHV sub- station	11(a)	8 No. of 220 kV Bays at 220 kV Malad EHV sub- station. 1 Bay Added for Third TF .	No Change
12 (b)	30 No. of 33 kV Bays at 220 kV Malad EHV sub- station	11(b)	30 No. of 33 kV Bays at 220 kV Malad EHV sub- station	No Change

	Addition	11(b)	15 No. of 33 kV Bays at 220 kV Malad EHV sub- station	As per STU 10 Year Plan: Addition of 1 no. of Board (15 Panel) due to 3rd Transformer
13 (b)	1 No. of 33 kV Bays at 220 kV Gorai EHV sub-station	12(b)	1 No. of 33 kV Bays at 220 kV Gorai EHV sub-station	No Change