



# महाराष्ट्र विद्युत नियामक आयोग

## Maharashtra Electricity Regulatory Commission

No. MERC/Case No. 202 of 2020 /E-Notice

17 October, 2020

### NOTICE

**Subject: Grid Failure in the Mumbai Metropolitan Region (MMR) on 12 October 2020 at 10.02 Hrs.– Compliance under Regulation 46.2.4 of MERC (State Grid Code) Regulations, 2020.**

Sir,

1. The Commission has notified the State Grid Code under Section 86(1)(h) of the Electricity Act, 2003 on 2 September, 2020. Your attention is invited to Regulation 46 (Event Information), more particularly to provisions of regulation 46.2.4 of the State Grid Code.
2. In this regard I am directed to inform that “*Events affecting a generation capacity, or a load of more than 1,000 MW shall immediately be reported in writing to the Commission by the SLDC/Transmission Licensee/User, as the case may be:*

*Provided that the summary including brief detail of the event, extent and probable causes of the event shall be submitted to the Commission within 24 hours from the occurrence of such event.”*

3. The Commission is in receipt of the preliminary report about the Grid failure incidence in the MMR on 12 October,2020 at 10.02 Hrs. from the Maharashtra State Load Dispatch Center (MSLDC) explaining the antecedent conditions , sequence of event , affected load and status of recovery of the system etc . MSLDC in its preliminary report has stated that the detailed report will be submitted after thorough analysis of the occurrence and collection of exact data from all the stakeholder
4. Also, the Commission has also received the preliminary report from Tata Power Company – Generation and Adani Electricity Mumbai Ltd.- Distribution. However, other Transmission Licensees, and Distribution Licensees / Users has not submitted the details.

१३वा मजला, केंद्र क्र. १, जागतिक व्यापार केंद्र, कफ परेड, कुलाबा, मुंबई - ४०० ००५.

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5. The Commission vide its letter dated 14 October,2020 has asked MSLDC to submit the following information of which the reply is awaited:
  - (i) System conditions prior to the occurrence (pre-fault).
  - (ii) Details of outage management on the infrastructure affected.
  - (iii) Brief description of the occurrence, sequence of events and the areas affected thereof.
  - (iv) Status of the Islanding facility and the reasons for its failure.
  - (v) Generation loss and units tripped during Occurrence.
  - (vi) Restoration of normalcy and the chronological steps taken.
  - (vii)Preliminary analysis of this grid failure.
6. **Accordingly, the MSLDC is directed to submit its report to the Commission by Monday 19 October,2020, 17.00 Hrs..** MSLDC shall also serve copy of such submission to Other Parties a/Utilities listed in the Notice . **The Parties/Utilities are directed to file their submission on MSLDC's report to the Commission by 20 October 2020, 17.00 Hrs.** These submissions should be filed to the Commission in the electronic form on Emails ( [secretary@merc.gov.in](mailto:secretary@merc.gov.in) ; [ehearing@merc.gov.in](mailto:ehearing@merc.gov.in).)
7. MSDC shall make a submission on preliminary analysis of this grid failure at the hearing based on the information submitted by all the utilities.
8. I am directed to communicate that the E-Hearing in the matter will be held on **Wednesday, 21 October,2020 at 10.30 Hrs.**

All the details including (but not limited to) the following aspects/matters shall be covered during the hearing:

- (a) What are the reasons of the occurrence in MMR on 12 October, 2020 at 10.02 hrs?
- (b) Whether standard Protocol was followed to restore the grid? Reasons for non-restoration of grid immediately.
- (c) The actions expected from all the stake holders (G, T and D) and their individual performance/actions. Response of all the stake holders.

- (d) Details of load met and extent of load shedding on an hourly basis from the start of the problem and restoration of the normalcy.
- (e) Details of the protections provided and their performance on the day of grid disturbance (Generators and Lines) and its adequacy.
- (f) Details of the past Grid Disturbances failure of power in parts of MMR (2010 onwards) in the past and the status of Action required to be taken by STU/SLDC to avoid recurrence.
- (g) Did the Mumbai Islanding operate as is envisaged? Status of Mumbai Islanding and its relevance in the changed scenario.
- (h) Details of the margins available in the Mumbai Transmission and corrective action taken by STU.
- (i) Current status of the schemes proposed for strengthening of the Mumbai Transmission by STU.
- (j) Action plan for Preventing re-occurrence of such events in MMR.
- (k) Follow up action on the Order issued by the Commission 1 December,2010 in Case No. 84 of 2010.
- (l) What protocol was followed by the Distribution Licencees while restoring the loads? (Priority of restoration).

Yours faithfully,

  
(Abhijit Deshpande)  
Secretary



**To,**

1. The Chairman and Managing Director,  
Maharashtra State Electricity Transmission Company Ltd.  
Prakash Ganga, Plot No. C-19, E-Block,  
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Bandra (East), Mumbai 400 051.  
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2. The Chairman and Managing Director,  
Maharashtra State Electricity Distribution Co. Ltd.,  
Prakashgad, Bandra (East),  
Mumbai 400 051  
[md@mahadiscom.in](mailto:md@mahadiscom.in)
3. The General Manager,  
The Brihanmumbai Electric Supply & Transport Undertaking,  
BEST Bhavan, BEST Marg,  
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4. The Chief Engineer  
Maharashtra State Load Dispatch Centre  
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[cesldc@mahatransco.in](mailto:cesldc@mahatransco.in); [cesldc@mahasldc.in](mailto:cesldc@mahasldc.in)
5. The Chief Engineer  
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6. The Managing Director,  
Tata Power Company Ltd.(Generation, Transmission and Distribution Business),  
Bombay House,  
24 Homi Mody Street,  
Mumbai-400 001  
[peyush.tandon@tatapower.com](mailto:peyush.tandon@tatapower.com)
7. The Chief Executive Officer,  
Adani Electricity Mumbai Limited (Generation, Transmission and Distribution Business),  
CTS 407/A (New), 408 Old Village,  
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[Kandarp.Patel@adani.com](mailto:Kandarp.Patel@adani.com); [ajit.barodia@adani.in](mailto:ajit.barodia@adani.in)
8. The Dy. Chief Electrical Engineer (TRD)  
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Central Railways, Electrical Branch,

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9. Mindspace Business Parks Private Limited  
(formerly known as M/s Serene Properties Pvt Ltd)  
Plot No. C-30, Block 'G',  
Opp. SIDBI, Bandra Kurla Complex,  
Bandra (E), Mumbai – 400 051  
krcpower.ho@kraheja.com / [nchunarkar@kraheja.com](mailto:nchunarkar@kraheja.com)
  
10. Gigaplex Estate Private Limited  
Plot No. C-30, Block 'G',  
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