

Agenda for 6th Grid Co-ordination Committee meeting scheduled on 31st January' 2023 at 14:00 Hrs at MSLDC, Airoli.

Agenda Points: -

1. Confirmation of the Minutes of the 5th GCC Meeting held on 21.09.2022 through Video Conferencing & physically.
2. **Discussion and finalization of various procedures developed in accordance with the provisions of MEGC, 2020:**

2.1. **Discussion and finalization of “Standard Operating Procedure for Cyber Security”, “Crisis Management Plan and/or procedure”:**

As per Regulation No. 64.3 of MEGC-2020, STU in assistance with SLDC shall prepare a standard Operating procedure for Cyber Security, Crisis Management Plan and/or procedure in line with Information Technology (IT) Act 2002, as amended from time to time and any other rules or policy or guidelines relevant to the subject, within six months from the date of notification of these Regulations, to ensure that adequate Cyber Security mechanism is available with all Users to prevent any potential cyber-attack on the systems and submit for approval of the GCC.

Accordingly, STU on dated 15.09.2022 had constituted a committee comprising of members from STU, MSLDC, MSETCL, TPC, AEML & BEST. A committee meeting was held on 29.11.2022 wherein the committee has recommended above mentioned draft SoP & Procedures for seeking approval/consent of GCC.

The draft “**Standard Operating Procedure for Cyber Security**” is attached herewith as **ANNEXURE – 1**.

The draft “**Crisis Management Plan and/or procedure**” is attached herewith as **ANNEXURE – 2**.

The Chief Engineer (STU) / DGM (IT) MSLDC to brief to the GCC.

Members may like to discuss.

2.2. **Discussion and finalization of draft “Protection Manual”:**

As per Regulation No. 66.7 of MEGC-2020, STU in consultation with PCC shall prepare Protection Manual within three months from the notification of these Regulations. STU also shall consult with the stakeholders and GCC and also consider the on-field experience and operational best practices followed in other states while developing the Protection Manual.

Accordingly, the draft manual was prepared. The draft protection manual was discussed in the Special PCC meeting held on 01.12.2022, wherein representatives of STU, MSLDC, MSETCL, TPC, AEML, ADTP were present. The PCC has recommended draft Protection Manual for discussion & finalization in the GCC. The draft Protection Manual is attached herewith as **ANNEXURE – 3**.

The Chief Engineer (ACI&P) to brief to the GCC.

Members may like to discuss.

3. Discussion & finalization of various Transmission Schemes approved in the MTC Meeting for inclusion in STU Five Year Plan.

Following transmission schemes have been discussed in detail in MTC Meeting and the MTC has recommended these schemes for consideration of GCC. The MoM of the MTC meeting is attached as ANNEXURE – 4.

The Chief Engineer (STU) to brief to the GCC.

3.1. Scheme for replacement of old existing 0.2 ACSR Panther conductor by CCC type HTLS conductor along with required hardware, accessories and porcelain long rod insulator for 132 kV Manmad-Lasalgaon, 132kV Malegaon-Malegaon- Ckt II & 132kV Malegaon-Malegaon- ckt III under EHV O & M Division, Nashik.

After detailed deliberation and discussion, the MTC recommended the said proposals of Scheme for replacement of old existing 0.2 ACSR Panther conductor by CCC type HTLS conductor along with required hardware, accessories and porcelain long rod insulator for 132kV Manmad-Lasalgaon line (32.49 kms) and 132kV Malegaon to Malegaon III line (ckt km 2.8 kms) under EHV O & M Division, Nashik.

3.2. Replacement of existing 0.3 ACSR Goat Conductor by CCC type, HTLS conductor of 100kV Padghe-Mohane-Ambarnath line under EHV O & M Circle, Panvel.

After detailed deliberation and discussion by members, the committee recommended the above proposal of Replacement of existing 0.3 ACSR Goat Conductor by CCC type, HTLS conductor of 100kV Padghe-Mohane-Ambarnath line under EHV O & M Circle, Panvel.

3.3. Replacement of existing 0.2ACSR Panther conductor by 273.6 sqmm CCC HTLS conductor along with necessary hardware for 110KV Tilawani -Ichalkaranji CKT-I, 110KV Mudshingi-Renuka from Tower No.41 to 110KV Renuka – Ichalkaranji line under EHV O & M Division,Kolhapur”.

After detailed deliberation and discussion, the committee recommended the above proposal of Replacement of existing 0.2ACSR Panther conductor by 273.6 sqmm CCC HTLS conductor along with necessary hardware for 110KV Tilawani -Ichalkaranji CKT-I, 110KV Mudshingi-Renuka from Tower No.41 to 110KV Renuka –Ichalkaranji line under EHV O & M Division,Kolhapur” for inclusion in upcoming 5 year STU transmission plan.

3.4. Augmentation of Substation by providing additional 1X50MVA, 132/33kV T/F along with HV & LV Bay and 33kV Bus extension at 132kV Jalna MIDC S/s.

After detailed deliberation and discussion, the committee recommended the above proposal of Augmentation of Substation by providing additional 1X50MVA, 132/33kV T/F along with HV & LV Bay and 33kV Bus extension at 132kV Jalna MIDC S/s.

3.5. Augmentation of Substation by Replacement of existing 2x25MVA, 132/33kV T/Fs by 2x50MVA, 132/33kV T/Fs at 132kV Ghanasawangi S/s under EHV O&M Dn. Jalna

After detailed deliberation and discussion, the committee recommended the above proposal of Augmentation of Substation by Replacement of existing 2x25MVA, 132/33kV T/Fs by 2x50MVA, 132/33kV T/Fs at 132kV Ghanasawangi S/s under EHV O&M Dn. Jalna.

3.6. Augmentation of Substation by Replacement of existing 2x25MVA, 220/33kV T/Fs by 2x50MVA, 220/33kV T/Fs at 220kV Bhokardan S/s under EHV O&M Dn. Jalna

After detailed deliberation and discussion, the committee recommended the above proposal of Augmentation of Substation by Replacement of existing 2x25MVA, 220/33kV T/Fs by 2x50MVA, 220/33kV T/Fs at 220kV Bhokardan S/s under EHV O&M Dn. Jalna

3.7. Augmentation of Substation by Providing additional 1X50 MVA, 132/33 kV T/F along with HV & LV Bays at 132kV Ashti S/s under EHV O&M Dn. Beed

After detailed deliberation and discussion, the committee recommended the above proposal of Augmentation of Substation by Providing additional 1X50 MVA, 132/33 kV T/F along with HV & LV Bays at 132kV Ashti S/s under EHV O&M Dn. Beed

3.8. Augmentation of Substation by Replacement of existing 1x25MVA, 132/11kV T/F by 1x50MVA, 132/33kV T/F at 132kV Chikalthana S/s under EHV O&M Dn. Aurangabad

After detailed deliberation and discussion, the committee recommended the above proposal of Augmentation of Substation by Replacement of existing 1x25MVA, 132/11kV T/F by 1x50MVA, 132/33kV T/F at 132kV Chikalthana S/s under EHV O&M Dn. Aurangabad.

3.9. Augmentation of Substation by Providing additional 1X25 MVA, 132/33 kV T/F along with HV & LV Bays at 132kV Purna S/s under EHV O&M Dn. Parbhani

After detailed deliberation and discussion, the committee recommended the above proposal of Augmentation of Substation by Providing additional 1X25 MVA, 132/33 kV T/F along with HV & LV Bays at 132kV Purna S/s under EHV O&M Dn. Parbhani.

3.10. Augmentation of Substation by Providing additional 1X50 MVA, 132/33 kV T/F along with HV & LV Bays at 132kV Jintur S/s under EHV O&M Dn. Parbhani

After detailed deliberation and discussion, the committee recommended the above proposal of Augmentation of Substation by Providing additional 1X50 MVA, 132/33 kV T/F along with HV & LV Bays at 132kV Jintur S/s under EHV O&M Dn. Parbhani.

- 3.11. **Augmentation of Substation by Providing additional 1 x 50 MVA, 220/22kV T/F along with HV & LV bays and 6X22V GIS Bays at 220/100/22kV Vasai S/s under EHV(O&M) Circle, Kalwa**

After detailed deliberation and discussion, the committee recommended the above proposal of Augmentation of Substation by Providing additional 1 x 50 MVA, 220/22kV T/F along with HV & LV bays and 6X22V GIS Bays at 220/100/22kV Vasai S/s under EHV(O&M) Circle, Kalwa

- 3.12. **Augmentation of Substation by Replacement of 1X25MVA, 220/33kV T/F by 1X50MVA, 220/33kV T/F at 220kV Dondaicha S/s.**

After detailed deliberation and discussion, the committee recommended the above proposal of Augmentation of Substation by Replacement of 1X25MVA, 220/33kV T/F by 1X50MVA, 220/33kV T/F at 220kV Dondaicha S/s.

- 3.13. **Establishment of 220/132/33KV s/s at Lonar, Dist. Buldana.**

After detailed deliberation and discussion, the committee recommended the above proposal of Establishment of 220/132/33KV s/s at Lonar, Dist. Buldana.

- 3.14. **Establishment of 220/33KV sarul s/sTal. Kaij, Dist. Beed.**

After detailed deliberation and discussion, the committee recommended the above proposal of Establishment of 220/33KV sarul s/sTal. Kaij, Dist. Beed

- 3.15. **Installation of 220KV, 125MVAR Reactor at Mahalaxmi & Trombay.**

After detailed deliberation and discussion, the committee recommended the above proposal of Installation of 220KV, 125MVAR Reactor at Mahalaxmi & Trombay.

- 3.16. **Establishing 33KV voltage level at 220KV Karanjade station.**

After detailed deliberation and discussion, the committee recommended the above proposal of establishing 33KV voltage level at 220KV Karanjade station.

- 3.17. **Establishing connectivity between 400KV north and south Mumbai Phase-I Installation of 400KV station at Dharavi.**

After detailed deliberation and discussion, the committee recommended the above proposal of establishing connectivity between 400KV north and south Mumbai Phase-I Installation of 400KV station at Dharavi for consideration by GCC for inclusion in upcoming 5 year STU transmission plan.

3.18. 220kV Chandivali EHV Scheme.

After detailed deliberation and discussion and based on the Committee report and STU's assessment, the Committee recommended the above proposal for Establishment of 220 kV Chandivali GIS substation

3.19. 220kV Kandivali EHV Scheme.

After detailed deliberation and discussion and based on the STU's assessment, the Committee recommended the above proposal for Establishment of 220 kV Kandivali GIS substation

3.20. 220kV Connectivity between AEML-BKC & AEML-Aarey s/s.

After detailed deliberation and discussion, the Committee recommended the above proposal for Establishment of 220kV Connectivity between AEML-BKC & AEML-Aarey s/s.

Members may like to discuss.

4. Any other points raised by committee members with permission of Chair.

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