

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.
CIN NO. U40109MH2005SGC153646

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Ref. No. ED/MSLDC/OP/GCC/ **No 00303**

Date: **28 FEB 2023**

To,
As per mailing list GCC Core Group Members.

Sub: - Minutes of the 6th Grid Coordination Committee (GCC) Meeting held on 31.01.2023 at 16:00 hrs at MSLDC, Airoli.

Ref.: 1. MOM Circulated vide MSLDC/TECH/OP/GCC/1684 Dated. 27.09.2022.
2. T.O.L. No. ED/MSLDC/OP/GCC/138 dated 24.01.2023.

Dear Sir,

In reference to the above subject, the 6th Grid Co-ordination Committee (GCC) was convened on 31.01.2023 at 16:00 hrs at MSLDC, Airoli.

The Minutes of Meeting is enclosed herewith for your perusal.

Thanking you.

Encl: As above.

With regards,



(Shashank Jewalikar)
Executive Director, MSLDC (I/c)
and
Member Convenor of GCC

Copy s.w.r.s. to:

The Director (Operations), Corporate Office, MSETCL, Mumbai.

Copy to:

- The Chief Engineer (STU), Corporate Office, MSETCL, Mumbai.
- The Chief Engineer (ACI&P), Corporate Office, MSETCL, Mumbai.
- The Chief Engineer (SLDC), Airoli, Navi Mumbai.

Mailing List of GCC Core Group Members:

Sr. No.	Name of Organization	Name of Nominee/Designation	Committee Position	Contact No.	E-mail ID
1	MSETCL	Shri Sandeep Kalantri, Director (Operations) (I/c)	Chairperson	022- 26592162	dirop@mahatransco.in
2	MSEDCL	Shri. Yogesh Gadkari Director (Commercial) (I/c)	Member	022- 26474211 / 26472131	directorcommsedcl@gmail.com
3	MSETCL	Shri. Rohidas Mhaske, Executive Director (Trans)	Member	7447441000	edtrans@mahatransco.in
4	MSPGCL	Shri Girish Kumawar CE(Works)	Member	8411958588	cegwmahagenco.in
5	WRPC	Shri P. D. Lone, S.E. Commercial	Member	9867622823	commml-wrpc@nic.in
6	MEDA	Shri Manoj Pise, General Manager (Co- ordination)	Member	9422319093	nodalofficer@mahaurja.com
7	MSLDC	Shashank Jewalikar Executive Director (SLDC) (I/c)	Member Convener	022- 27301931	edmsehholding@gmail.com

**Minutes of the 6th Grid Co-ordination Committee meeting held on 31st
January' 2023 at 16:00 Hrs at MSLDC, Airoli.**

The 6th Grid Co-ordination Committee (GCC) meeting of the Core Group was convened on 31.01.2023 at 16:00 hrs at MSLDC, Airoli. The meeting was convened physically as well as through Video conferencing. The list of members/participants is enclosed as per **ANNEXURE - A**.

The Executive Director (MSLDC) & Member Convener of GCC welcomed all the GCC members and other participants in the 6th GCC Meeting.

With the permission of the Chair, the discussions of the 6th GCC Core Committee commenced as below....

1. Confirmation of the Minutes of the 5th GCC Meeting held on 21.09.2022 through Video Conferencing & physically.

The Member Convener of GCC informed that the minutes of the 5th GCC meeting held on 21.09.2022 were circulated to all the members vide Letter No. MSLDC/TECH/OP/GCC/1684 Dated. 27.09.2022. However, no comments have been received from members and hence, the same may please be confirmed in this meeting.

GCC confirmed the MoM of the 5th GCC Meeting.

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”:**

The Member Convener of GCC informed that as per Regulation No. 64.3 of MEGC-2020, STU in assistance with SLDC has prepared a “standard Operating procedure for Cyber Security, Crisis Management Plan and/or procedure”. He further requested the DGM (IT), MSLDC, to brief the said procedure before the GCC.

Accordingly, the DGM (IT), MSLDC, informed that 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. He further briefly informed the salient features of the draft procedures.

After due deliberations, GCC ratified the “Standard Operating Procedure for Cyber Security”, “Crisis Management Plan and/or procedure”.

GCC requested the Chief Engineer (STU) to circulate the procedure to all the stakeholders with copy to Hon’ble MERC for information as per the directions given in MEGC, 2020. Also, the procedure should be uploaded on STU & MSLDC websites.

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

The Member Convenor of GCC informed that as per Regulation No. 66.7 of MEGC-2020, STU in consultation with PCC has prepared "Protection Manual". He further requested the Executive Engineer (ACI&P), MSETCL to brief the draft "Protection Manual" before the GCC.

Accordingly, the Executive Engineer (ACI&P), MSETCL informed that:

- The draft protection manual has been prepared by constituting a special Protection Group having representatives of STU, MSLDC, MSETCL, TPC, AEML, MSPGCL.
- The said group referred the CBIP manual & Ramakrishna Committee report and prepared draft manual. The draft manual was discussed in the 'Protection Co-ordination Committee' (PCC) meeting held on 20.10.2022.
- The PCC recommended the draft manual for submission to GCC for further ratification.

After due deliberations, GCC ratified the "Protection Manual".

GCC requested the Chief Engineer (ACI&P), MSETCL to circulate the procedure to all the stakeholders with copy to Hon'ble MERC for information as per the directions given in MEGC, 2020. Also, the procedure should be uploaded on STU & MSETCL websites.

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

The Member Convenor of GCC requested the Chief Engineer (STU) to brief various transmission schemes before the GCC.

The Chief Engineer (STU) informed that various transmission schemes detailed below have been discussed in detail in MTC Meeting and the MTC has recommended these schemes for consideration of GCC. He further briefed each scheme before the GCC as below:

- 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.

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation however, the word of conductor type 'CCC' should be replaced with 'high ampacity conductor'.

- 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.

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation however, the word of conductor type 'CCC' should be replaced with 'high ampacity conductor'.

- 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".

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation however, the word of conductor type 'CCC' should be replaced with 'high ampacity conductor'.

- 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.
With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.
- 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.
With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.
- 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.
With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.
- 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.
With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.
- 3.8. Augmentation of Substation by Replacement of existing 1x25MVA, 132/11kV T/F by 1x50MVA, 132/33kV T/F at 132kV Chikalhana S/s under EHV O&M Dn. Aurangabad.
With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.
- 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.
With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.
- 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.
With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.
- 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.
With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.

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

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.

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

The Chief Engineer (STU) informed that considering Lonar being the tourist place in the State, expected industrial growth due to Samruddhi highway, increase in RE connectivity & to address low voltage issues in the area, this sub-station has been proposed.

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.

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

The Chief Engineer (STU) informed that to address low voltage issues at 33 kV level in the said area due to lengthy 33 kV feeders, this sub-station has been proposed.

The Executive Director (Trans), MSETCL opined that if 132 kV Kaij-Kalamb line is made LILO at this Sub-station, the voltage profile will further increase. Also, with this arrangement, the reliability will also increase. In this regards, the Chief Engineer (STU) informed that the earlier proposal was for establishment of 132/33 kV sub-station, however, the MSETCL field office has revised the proposal with upgradation to 220 kV level.

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation. Further, GCC directed STU to explore the possibility of establishment of 132 kV level and keep provision for addition of 132 kV level at Sarul in the existing proposal.

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

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.

- 3.16. Establishing 33kV voltage level at 220kV Karanjade station.

The Chief Engineer (STU) informed that to cater Navi Mumbai Airport load and loads in Panvel area, 220 kV Karanjade is be suitable option. Hence, the said scheme has been proposed.

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.

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

The Chief Engineer (STU) briefed the said scheme to the GCC. However, GCC members opined that the said scheme is related to Mumbai network. Detailed review of the said scheme is necessary. 400kV Vikhroli being a source to Dharavi, joint survey is required to be carried out for availability of bays at Vikhroli.

With due deliberations, GCC requested the Chief Engineer (STU) to review the said scheme based on strong source for 400 kV Dharavi S/s, availability of space, other aspects of feasible execution, etc. and present before the GCC.

3.18. 220kV Chandivali EHV Scheme.

The Chief Engineer (STU) informed that last time, MTC members could not have consensus. Hence STU had constituted a committee comprising of the Superintending Engineer (STU) and the Superintending Engineer, EHV O&M Kalwa, MSETCL to study the scheme. Accordingly, the said committee has studied the scheme and submitted report to the MTC. Accordingly, the MTC has recommended the said scheme to put-forth before the GCC for ratification.

The Member Convenor enquired about the circulation of the committee report to GCC members to which the Chief Engineer (STU) informed that as the report was submitted to MTC & consensus has been arrived at, the report is not circulated to GCC member.

The Chairman of the GCC opined that discussions can be held only after study of the said report. All the GCC members accepted the opinion of the chairman.

Hence, the GCC requested the Chief Engineer (STU) to submit the report to all the GCC members prior to the next GCC so that the agenda can be discussed in next GCC.

3.19. 220kV Kandivali EHV Scheme.

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.

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

With due deliberations, GCC ratified the scheme for inclusion in STU Five year plan for implementation.

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

4.1. The Member Convenor enquired the Chief Engineer (STU) about the compliance on various operational feedback reports submitted by MSLDC towards removal of congestions/constraints in the Grid. The Chief Engineer (STU) informed that the operational feedback report of MSLDC has been considered while formulation of STU Five Year Plan.

Hence, the GCC requested the Chief Engineer (STU) to give detailed presentation on the STU Five Year Plan based on the constraints/congestions reported by MSLDC in the next GCC meeting.

The meeting concluded with vote of thanks.

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