MAHATRANSCO
Maharashtra State Electricity Transmission Co. Ltd.

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

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RIGHT TO INFORMATION

Ref. No. ED/MSLDC/OP/GCC/ No 01621 Date: 15 SEP 2022

To,
As per mailing list GCC Core Group Members.

Sub: - Agenda for 5th Grid Coordination Committee (GCC) Meeting scheduled on 21.09.2022 at 11:30 hrs at MSLDC, Airoli.

Ref.: 1. MOM Circulated vide MSLDC/TECH/OP/GCC/1018 Dated. 07.07.2022
2. T.O. Letter ED/MSLDC/OP/1558 dtd. 02.09.2022 for agenda request.

Dear Sir,

In reference to the above subject, it is to inform you that in consultation with Director (Operations), MSETCL, Chairman GCC, it has been decided to convene the 5th meeting of the GCC core group.

Date of Meeting: 21.09.2022
Time of Meeting: 11:30 hrs
Venue: 3rd Floor Conference Hall, MSLDC, Airoli.

The agenda for the said meeting is attached herewith.

It is requested to kindly make it convenient to attend the meeting.

Thanking you.

With regards,

Encl: As above.

(Shrikant Jaltare)
Executive Director, MSLDC
and
Member Convenor of GCC

Copy s.w.r.s. to:

The Director (Operations), Corporate Office, MSETCL, 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 A.V. Kolap, Director (Operations)	Chairperson	022-26592162	dirop@mahatransco.in
2	MSPGCL	Shri Girish Kumawar CE(Works)	Member	8411958588	cegw@mahagenco.in cegtpsuran@mahagenco.in
3	MSEDCL	Shri. Murahari Kele Director (Commercial)	Member	022-26474211 / 26472131	directorcommsedcl@gmail.com
4	MSETCL	Shri. Rohidas Mhaske, Executive Director (Trans)	Member	9769509020	edtrans@mahatransco.in
5	WRPC	Shri P. D. Lone, S.E. Commercial	Member	9867622823	comml-wrpc@nic.in
6	MEDA	Shri Manoj Pise, General Manager (Co-ordination)	Member	9422319093	pg1@mahurja.com nodalofficer@mahaurja.com
7	MSLDC	Shrikant Jaltare Executive Director (SLDC)	Member Convener	022-27301931	edmsebholding@gmail.com

Agenda for 5th Grid Co-ordination Committee meeting scheduled on 21st September' 2022 at 11:30 Hrs at MSLDC, Airoli.

Agenda Points: -

1. Confirmation of the Minutes of the 4th GCC Meeting held on 04.05.2022 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 "Draft procedure on Load Curtailment"**

   As per Regulation No. 28.2 of MEGC-2020, SLDC, in coordination with OCC, shall develop, document, and maintain detailed operating procedures for managing the InSTS.

   Hence, this procedure has been developed by SLDC in compliance of Regulation No. 28.2 and 43.2 of MEGC 2020. As per Regulation No. 28.2 of the MEGC, 2020, the draft procedure is to be finalized in consultation with GCC and after finalization in the GCC, the copy is to be submitted to all the Users for implementation with copy to Hon'ble MERC for information.

   Accordingly, in the 4th OCC meeting held on 29.08.2022, the said draft procedure was discussed and OCC has recommended the procedure for discussion & finalization in the GCC with some modifications. The updated draft procedure is attached herewith as **ANNEXURE – 1**.

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

   Members may like to discuss.

   2.2. **Discussion and finalization of "Draft Planned Outage Management in Mumbai and MMR Region"**

   As per the directives issued in the 3rd OCC meeting held on 02.05.2022, MSLDC has developed the draft "**Planned Outage Management in Mumbai and MMR Region**" procedure in accordance with the provisions of Regulation No. 28.2 of MEGC-2020.

   As per Regulation No. 28.2 of the MEGC, 2020, the draft procedure is to be finalized in consultation with GCC and after finalization in the GCC, the copy is to be submitted to all the Users for implementation with copy to Hon'ble MERC for information.

   Accordingly, in the 4th OCC meeting held on 29.08.2022, the said draft procedure was discussed and OCC has recommended the procedure for discussion & finalization in the GCC. The draft procedure is attached herewith as **ANNEXURE – 2**.

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

   Members may like to discuss.

2.3. **Discussion and finalization of "Draft Procedure for relieving congestion in the InSTS"**

As per Regulation No. 44.1 of MEGC-2020, STU in consultation with SLDC, shall develop, document, and maintain detailed operating procedures for managing the InSTS. The draft procedure was published on Website for seeking Stakeholders comments/suggestions on 01.02.2022. the comments from TPC-D and AEML have been received. The draft procedure and consolidated comments received from stakeholders is attached herewith as **ANNEXURE – 3**.

As per Regulation No. 44.1 of the MEGC, 2020, the draft procedure is to be reviewed by GCC and after finalization in the GCC, the copy is to be kept on SLDC & STU website.

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

Members may like to discuss.

2.4. **Discussion and finalization of "Draft Procedure for Testing and Maintenance of Communication Network Security System"**

As per Regulation No. 59.2 of MEGC-2020, STU shall prepare the procedure for testing and maintenance of communication network security system including third party system if any in accordance with provisions of the CEA (Technical Standard for Communication system in Power System Operation) Regulation 2020.

Accordingly, STU has prepared draft procedure and the same has been discussed in the MCCC meeting. As per the Regulation No. 59.2, the said procedure is to be approved by GCC. The copy of procedure is attached as **ANNEXURE – 4**.

Members may like to discuss.

2.5. **Discussion & finalization of "Draft Procedure on Centralized supervision for quick Fault Detection and Restoration."**

As per Regulation No. 65.1 (b) of MEGC-2020, STU shall prepare Procedure on "Centralized supervision for quick fault detection and restoration." Accordingly, STU has prepared draft procedure and the same has been discussed in the MCCC meeting. As per the Regulation No. 65.1 (b), the said procedure is to be approved by GCC. The copy of procedure is attached as **ANNEXURE – 5**.

Members may like to discuss.

2.6. **Discussion & finalization of "Draft Guidelines on Availability of Communication System"**

As per Regulation No. 65.1 (c) of MEGC-2020, STU shall prepare Draft Guidelines on Availability of Communication System in consultation with SLDC & other stakeholders. Accordingly, STU has prepared draft procedure and the same has been discussed in the MCCC meeting. As per the Regulation No. 65.1 (c), the said procedure is to be approved by GCC. The copy of procedure is attached as **ANNEXURE – 6**.

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 – 7**.

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

3.1. Establishment of 400 kV Velgaon (Boisar) GIS s/s, Dist. Palghar.

3.2. Establishment of 132/33 kV s/s at Ida, Tal.- Bhoom, Dist.-Osmanabad.

3.3. Establishment of 132/33 kV sub-station at Samudral, Tal.- Lohara, Dist.-Osmanabad.

3.4. Establishment of 220/33kV Deosane substation, Tal. Dindori, Dist. Nashik.

3.5. Installation of 3rd Transformer 220/22kV 50MVA at proposed 220kV Chikhaldongri GIS s/s, Dist-Palghar

3.6. Establishment of 132/33 kV sub-station at Navapur, Dist.-Nandurbar.

3.7. Replacement of existing 0.4 ASCR Zebra Conductor by HTLS conductor along with necessary hardwares of 220kV Talangade-Tilwani ckt I & II under EHV O & M Division, Kolhapur.

3.8. Scheme of replacement of existing 0.35 ACSR Sheep Conductor by equivalent HTLS conductor and replacement of existing suspension tower by 30° Tension tower at Loc. No. 626 & 632, along with additional 1 No. of tower between. Loc. 638-639 for height rising & replacement of 2 Nos. of tower at Loc. No. 648 -649 of 220kV Apta - Taloja, 220kV Apta-Kalwa and 220kV Kalwa-Taloja Line under EHV PC O&M Zone Vashi

3.9. Replacement of existing old 0.4 ACSR by HTLS for 220kV Padghe-Pal, Padghe-Jambhul, Jambhul-Anandnagar line under EHV O & M Circle, Panvel.

3.10. Scheme for replacement of old existing 0.2 ACSR Panther conductor by equivalent CCC HTLS conductor along with suitable hardware, accessories and porcelain long rod insulator for 132kV Eklahare OCR-Satpur line (ckt Kms= 20.941.kms) under EHV O & M Division, Nashik under EHV O & M Circle, Nashik.

3.11. Replacement of old 0.4 ASCR Deer ACSR Conductor by equivalent CCC HTLS conductor along with suitable hardware, accessories and porcelain long rod insulator for 220kV Dhule-Malegaon line (Ckt km = 80.5 kms) under EHV O & M Division, Nashik.

3.12. Replacement of existing 0.4 Deer/Zebra ACSR Conductor by new CCC type HTLS conductor and allied work for 220kV Parvati-Phursungi EHV line and required bay strengthening work at respective EHV SS under EHV O & M Division-I, Pune

3.13. Replacement of existing 0.4 ACSR Zebra Conductor by High Ampacity CCC Type conductor of 220kV PG- Nalasopara & 220kV Padghe-Nalasopara lines under Vashi zone.

3.14. Scheme for replacement of old 0.2 ACSR Panther conductor by CCC type HTLS conductor along with all required hardwares, accessories of 132kV Dhule- Sakri line and 132kV Sakri- Shivajinagar ckt-I & II along with replacement of EHV equipments (compatible to HTLS conductor) at corresponding 132kV end bay at 132kV Sakri, 220kV Shivajinagar and 220kV Dhule substation under EHV O&M Circle, Dhule.

3.15. Scheme of replacement of existing 0.2 ACSR Conductor along with Hardware by High Ampacity Conductor in respect of 132kV Jalna - Jalna MIDC (via Rajur Circuit II) and 132kV Nagewadi –Jalna MIDC lines under EHV O & M Division, Jalna.

3.16. Replacement of 110 kV and 22 kV AIS bays with GIS bays at 110 kV Parel RSS

3.17. Interconnection between 220 kV TPC-T Waghivali Station and 220 kV MSETCL Waghivali Station

3.18. MV AIS switchgear replacement by GIS at Salsette, Chembur, Saki, Ambernath, Borivali.

3.19. Replacement of 220KV Trombay-Carnac-5 & 6 oil filled cable with XLPE cable.

3.20. Replacement of 110KV Trombay Parel 3 & Trombay Carnac 3 oil filled cable with XLPE cable.

3.21. Providing additional 1X25 MVA, 132/33 kV T/F along with HV & LV Bays at 132kV Nardana S/s under E HV (O&M) Circle, Bhusawal

3.22. Providing additional 1X50 MVA, 132/33 kV T/F along with HV & LV Bays at 132kV Khandke S/s under EHV (O&M) Circle, Nashik.

3.23. Providing additional 1X50 MVA, 132/33 kV T/F along with HV & LV Bays at 132kV Ghodegaon S/s EHV (O&M) Circle, Nashik. under Nasik Zone.

3.24. Providing additional 25 MVA, 220/33 kV T/F along with HV & LV Bays at 220kV Raymond S/s under EHV (O&M) Circle, Nashik.

3.25. Replacement of 3X50MVA, 220/22kV T/Fs by 3X80MVA, 220/22kV T/Fs alongwith 3nos. of LV incomer bay equipment at 220kV Telco S/s under Pune zone.

3.26. Addition of 1X50MVA, 132/33kV T/F along with HV & LV bays at 132kV Sanaswadi S/s. under Pune zone.

3.27. Replacement of 2X25MVA, 220/33kV T/Fs by 2X50MVA, 220/33kV T/Fs at 220kV Vairag S/s. under Pune zone.

3.28. Replacement of 1X25MVA, 220/33kV T/F by 1X50MVA, 220/33kV T/F at 220kV Bhigwan S/s under Pune zone.

3.29. Replacement of 1X100MVA 220/132kV ICT by 1X200MVA 220/132kV ICT at 220kV Jeur S/s under Pune Zone.

3.30. Replacement of existing 0.5 ACSR conductor with suitable HTLS conductor of 400KV Chandrapur GCR-I Chandrapur-II Ckt I&II under HVDC TL O&M Division Chandrapur.

3.31. Scheme for strengthening of 220kV GIS Bhandup-Mulund, 220kV GIS Bhandup-Borivali line bays and Bus coupler bay & providing one additional 220kV spare bay at 220kV GIS Bhandup Substation under EHV(O&M) Dn., Bhandup under jurisdiction of EHV(O&M) Circle, Kalwa.

3.32. Replacement of old 0.35 ACSR Sheep Conductor with new 0.4 ACSR Zebra conductor and existing suspension tower with 30° Cut point towers of 220kV Kandalgaon-ONGC-Vilebhagad- Topworth D/C line under jurisdiction of EHV (O&M) Panvel & Mahad divisions and Height raising by new D/C narrow base tower from Loc.No. 637 to 647 in Vichumbe & New Panvel area of 220kV Kandalgaon-ONGC-Vilebhagad - Topworth D/C line under jurisdiction of EHV (O&M) Division Panvel under EHV (O&M) Circle, Panvel.

3.33. Replacement of existing 0.2 ACSR Panther conductor by equivalent CCC type HTLS conductor along with necessary hardwares of 132 kV Malinagar - Bawada Trunk Line under EHV O&M Division, Baramati under Pune zone.

3.34. Replacement of existing 0.2 ACSR Panther conductor by new CCC type HTLS conductor & allied work thereof for 132kV Magarpatta-Mundhwa EHV lines & required bay strengthening work thereof at respective EHV S/s under EHV O&M Division-I, Pune.

3.35. Replacement of existing 0.2 ACSR Panther Conductor with 273.6 sq. mm CCC HTLS Casablanca conductor of 100kV Pal Dombivali line no 1&2 under EHV (O&M) Division, Dombivali, EHV (O&M) Circle Panvel.

3.36. Establishment of 220 kV Yenwa s/s Dist-Nagpur.

3.37. Establishment of 132 kV Karajgaon s/s Dist-Amravati.

3.38. Scheme of Design, Supply, Installation and Commissioning of 33kV/22kV/132kV Capacitor banks at various EHV substations under Amravati, Aurangabad, Nashik, Nagpur, Karad and Pune zone under phase-V.

3.39. Establishment of VSAT captive hub at SLDC Airoli & backup hub at ALDC Ambazari, Nagpur for 1000 Nos. of VSAT remote nodes at respective EHV substations for real time visibility of RTU/SAS data to SLDC & ALDC along with voice & AMR meter data transmission through this communication network.

3.40. Construction of 400kV DC line from 765/400kV PGCIL Shikrapur s/s to 400kV Lonikand II s/s.

3.41. Establishment of 132/33 kV Mukutban s/s, Tal. Zari, Dist. Yavatmal.

3.42. Establishment of 220/33 kV Shrirampur MIDC s/s Dist-Ahmednagar.

3.43. Establishment of 400/220 kV Kalwa GIS-I s/s Dist-Thane.

3.44. Establishment of 132/33 kV Nandura s/s Dist-Buldhana.

3.45. Establishment of 132/33 kV Sarol s/s, Tal.-Kaij, Dist.- Beed.

3.46. Scheme of Augmentation of Substation by providing additional 1X50MVA, 132/33kV T/F along with HV & LV Bay at 132kV Gondia under EHV O&M Div. Bhandara in Nagpur zone

3.47. Scheme of Augmentation of Substation by providing additional 1X50MVA, 132/33kV T/F along with HV & LV Bay and 33KV Incomer Bay alongwith 33KV Twin bus conductor at 132KV Hingana-I S/s under Ringmain Division, Nagpur.

3.48. Scheme of Augmentation of Substation by providing additional 1X50MVA, 132/33kV T/F along with HV & LV Bay and 33KV Incomer Bay along with 33KV Twin bus conductor at 132KV Hingana-II S/s Ringmain Division, Nagpur.

3.49. Scheme of Augmentation of Substation by replacement of existing 2X25MVA, 220/33KV T/F by 2X50MVA, 220/33KV T/F at 220KV Kaulewada S/S under EHV O&M Division Bhandara.

3.50. Scheme of Augmentation of Substation by Addition of 3X167 MVA, 400/220/33KV ICT along with HV & LV bays at 400KV Karad S/S.

3.51. Scheme of "Replacement of Existing 0.2 ASCR Panther conductor with HTLS conductor of 132kV Harangul-Ausa-Niwali-Ujani Including LILO Portion of Ausa &

Niwali & 132kV Ujani-Tuljapur-Naldurg-Bale (Solapur) Including LILO Portion of Tuljapur & Naldurg.

3.52. Life Extension scheme for replacement of existing old 0.2 ACSR Panther conductor of 100kVApta – Thal (38Km), 100kV Apta - Jite (13Km), 100kV Jite - Thal (24.16Km) with new 0.2 ACSR Panther conductor under EHV O & M Division, Panvel under Vashi Zone- Revision in scheme thereof.

Members may like to discuss.

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

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