MAHATRANSCO
Maharashtra State Electricity Transmission Co. Ltd.

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

RIGHT TO INFORMATION

Office of the Executive Director
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Ref. No. ED/MSLDC/OP/GCC/ № 01018 Date: 07 JUN 2022

To,
As per mailing list GCC Core Group Members.

Sub: - Minutes of Meeting of the 4th Grid Coordination Committee (GCC) Meeting held on 04.05.2022 at 11:30 hrs at MSLDC, Airoli.

Ref.: 1. T.O.Letter No. ED/MSLDC/OP/GCC/0765 dtd. 29.04.2022.

Dear Sir,

In reference to the above subject, the 4th Grid Co-ordination Committee (GCC) was convened on 04.05.2022 at 11:30 hrs at MSLDC, Airoli.

The Minutes of Meeting of the said meeting is enclosed herewith.

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), Prakashganga, MSETCL, Mumbai.

Minutes of Meeting of the 4th Grid Coordination Committee (GCC) Meeting held on 04.05.2022 at 11:30 hrs at MSLDC, Airoli.

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 Anil 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 Pramod 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	Shri. Shrikant V. Jaltare, Executive Director (SLDC)	Member Convener	022-27301931	edmsebholding@gmail.com

Minutes of meeting of the 4th Grid Co-ordination Committee meeting convened on 04th May 2022 at 11:30 Hrs. at MSLDC, Airoli.

The 4th Grid Co-ordination Committee (GCC) meeting of Core Group was convened on 04.05.2022 at 11:30 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 4th GCC Meeting. He informed that under the chairmanship of Shri. Anil Kolap, Director (Operations-MSETCL), various procedures mandated as per MEGC, 2020, have been completed and implemented in the State. Various issues regarding Grid Operation in the State have been addressed effectively. Now, in this 4th GCC meeting, 7 Nos. of procedures/Guidelines mandated under MEGC, 2020 have been put forth for ratification which shall be issued for implementation after due deliberations & consent in the GCC.

The Director (Operations) MSETCL & the Chairman of GCC, in his opening remarks informed about the present crisis faced in the Power sector and opined that most effective solutions will be obtained at the GCC platform.

With the permission of the Chair, the discussions of the 4th GCC Core Committee commenced as below….

1. Confirmation of the Minutes of the 3rd GCC Meeting held on 30.11.2021 through Video Conferencing.

   The Member Convenor of GCC informed that the minutes of the 3rd GCC meeting held on 30.11.2021 were circulated to all the members vide Letter No. ED/MSLDC/GCC/2566, dated 15.12.2021 and the same may please be confirmed.

   As no comments received, GCC confirmed the MoM of the 3rd GCC Meeting.

2. **Agenda Points of MSLDC:**

   2.1. **Discussion and finalization of Draft procedure formulated towards, "procedure of System Restoration for partial grid failure."**

   The Member Convenor of GCC informed that as per regulation no. 28.2 of MEGC-2020, SLDC has developed "**Draft procedure of System Restoration for partial grid failure**". On 11.01.2022, the said draft procedure was circulated among various Stakeholders in the State & uploaded on website for submission of comments/suggestions. Further, as per the request from Stake holders, the time limit for submission of comments/suggestions was extended till 10.02.2022. The comments received from the Stake holders (MSEDL, TPC & AEML) have been consolidated and discussed in the 3rd OCC meeting held on 02.05.2022.

   He further informed that the OCC has consented to submit the draft procedure for final consent from GCC. However, no consensus on the inclusion of 110 kV level in the definition of "Grid Incident" & "Grid Disturbance" was arrived at OCC level. Hence, the OCC recommended to take up this issue & finalize in GCC.

In this regard, the Chairman of GCC, opined that consideration of transmission elements up to 220 kV level & above in the MEGC, 2020 is with broader perspective and transmission network below 220 kV level is sub-transmission level and any tripping of the same will not have major impact on the Grid. However, in case of Mumbai network, 110 kV level is important considering smaller size of the network and importance of the loads. Hence, exception can be made for inclusion of 110 kV level only for Mumbai area.

After due deliberations, GCC ratified the procedure and directed to circulate the "Procedure for System Restoration during partial grid failure" after incorporating the suggestion of inclusion of 110 kV level in Mumbai area.

GCC requested the Executive Director (MSLDC) to circulate the procedure to all the stakeholders for implementation with copy to Hon'ble MERC for information as per the directions given in MEGC, 2020. Also, the procedure should be uploaded on MSLDC website.

3. ***Points related to STU:***

The Member convenor of GCC informed that transmission schemes proposed by various Transmission Licensees have been discussed in the 2nd Maharashtra Transmission Committee (MTC) meeting held on 20.12.2021. The MTC has recommended to seek consent for the said Schemes in GCC for consideration in the STU Five year Plan. He requested the Chief Engineer (STU) who is the Chairman of the MTC to brief on the said schemes. The details are as below:

3.1. Providing additional 3x167 MVA, 400/220/33kV ICT along with HV & LV bays & rapid restoration scheme at 400kV Taptitanda S/s under Aurangabad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.2. Providing additional 50MVA, 132/33kV T/F along with HV & LV bays at 132kV Vaijapur S/s under Aurangabad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.3. Replacement of 25MVA 132/33kV T/F by 50MVA 132/33kV, T/F at 132kV Udgir S/s under Aurangabad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.4. Providing additional 3x167 MVA, 400/220/33kV, ICT along with HV & LV bays at 400kV Kumbhargaon S/s under Aurangabad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.5. Providing additional 1x100 MVA, 220/132kV, ICT along with HV & LV bays at 220kV Tuljapur S/s under Aurangabad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.6. Providing additional 1X100MVA, 220/33kV, T/F along with HV & LV bays and 3X33kV feeder bays at 220kV Tilawani S/s under Karad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.7. Providing additional 1X50MVA, 220/33kV, T/F along with HV & LV bays, 4X33kV feeder bays, 33kV Bus Sectionalizer bay & 33kV, PT bay at 220kV Five Star MIDC Kagal S/s under Karad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.8. Replacement of existing 1X25MVA, 110/33kV, T/F by 1X50MVA, 110/33kV, T/F at 110kV Ratnagiri S/s under Karad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.9. Replacement of existing 2X25MVA, 132/33kV, T/Fs by 2X50MVA, 132/33kV T/Fs at 132kV Phaltan S/s under Karad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.10. Replacement of existing 1X25MVA, 132/33kV, T/F by 1X50MVA, 132/33kV, T/F at 132kV Shirwal S/s under Karad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.11. Providing additional 1X25MVA, 132/33kV, T/F alongwith HV & LV bays, 1X33kV, PT bay and 33kV bus extension by twin conductor at 132kV Khapri S/s under Nagpur Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.12. Providing additional 1X25MVA, 132/33kV, T/F alongwith HV & LV Bays, 1X33kV, PT bay, 33kV Bus sectionalizer Bay & 33kV bus extension by twin conductor at 132kV Gosekhurd S/s under Nagpur Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.13. Providing additional 1X25MVA, 132/33kV, T/F alongwith HV & LV Bays at 132KV Morgaon-Arjuni S/s under Nagpur Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.14. Supply, Erection, Testing & Commissioning of 2 Nos. of 3X167MVA, 400/220/33kV, ICTs and 1X167MVA, 400/220/33kV Spare ICT unit at 400kV Warora S/s under Nagpur Zone on replenishment basis at 400kV Warora S/s under Nagpur Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.15. Establishment of 33kV level at 220/132kV Pimpalgaon S/s by providing additional 2X50MVA, 220/33kV, T/Fs alongwith HV & LV bays, 6X33kV feeder bays, 2X33kV PT bays, 2X200KVA, 33/0.4kV Station T/F bays, and 1X33kV Bus Sectionalizer bay at 220kV Pimpalgaon S/s under Nashik Zone.

As the MTC has not deliberated and recommended the proposal for submission to GCC for further ratification, GCC directed the Chief Engineer (STU) to put-up the proposal in ensuing MTC meeting.

3.16. Providing additional 1X50 MVA, 220/33kV, T/F along with HV & LV bays at 220kV ONGC S/stn under Vashi Zone.

As the MTC has not deliberated and recommended the proposal for submission to GCC for further ratification, GCC directed the Chief Engineer (STU) to put-up the proposal in ensuing MTC meeting.

3.17. Providing additional 1X50 MVA, 220/33kV, T/F along with HV & LV bays at 220kV ONGC S/stn under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.18. Providing additional 1X50 MVA, 220/22kV, T/F along with HV & LV bays & 1X22kV PT bay at 220kV Anandnagar S/stn under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.19. Providing additional 1X50 MVA, 100/22kV, T/F along with HV & LV bays at 100kV Ambernath S/s under under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.20. Replacement of existing 1X50MVA, 220/22kV Transformer by 1X100MVA, 220/22-22 kV Transformer along with establishment of 06 Nos. 22kV GIS feeder bays at 220kV Temghar S/s under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.21. Replacement of existing 1X50MVA, 220/22kV, T/F by 1X100MVA, 220/22-22kV T/F alongwith 06 Nos. 22kV GIS feeder bays at 220kV Kolshet S/s under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.22. Replacement of existing 2X50MVA, 220/22kV, T/Fs by 2 X 100 MVA, 220/22-22 kV, T/Fs along with 12 Nos. of 22 kV GIS bays, 2 Nos. of T/F LV bays, 02 Nos. of PT bays and 03 Nos. of Bus coupler/Tie bays for interconnection with existing 22

kV Indoor Feeders along with strengthening of 220kV Auxiliary Bus at 220kV Mahape S/s under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.23. Replacement of 2X50MVA, 220/22kV, T/Fs by 2X100MVA, 220/22-22kV, T/Fs at 220kV Colourchem S/s under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.24. Providing additional 1X50MVA, 220/22kV, T/F alongwith HV (AIS) & LV (GIS) bay, 6X22kV GIS feeder bays, 1X22kV GIS PT Bay, 1X22kV GIS Bus coupler/Tie bay & 1X22kV AIS Bus coupler bay at 220kV Bapgaon S/s under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.25. Augmentation of 220/22 kV Nalasopara S/S by providing additional 100MVA, 220/22-22 kV, TF alongwith Hybrid HV Bay, LV Bay including shifting of 22kV Bus Coupler bay at 220/22 kV Nalasopara S/S under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.26. Scheme of Augmentation of Substation by replacement of existing 1 no. of 3X105MVA, 400/220/33kV, ICT by 1 No. of 3X167 MVA, 400/220/33kV, ICT at 400kV Nagothane S/s under Vashi Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.27. Establishment of 400KV, Pimpalgaon (sarole) GIS s/s at Nashik under Nashik Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.28. Establishment of 400/220KV, GIS-I s/s at Kalwa Dist. Thane under Vashi Zone.

and

3.29. "Conversion of existing 400KV, Kalwa-Padghe 2 x S/C line (Circuit-I&II) to DC line on DC tower (both circuit)".

The Director (Operations), MSETCL, informed that the said proposal has been approved by the Board of Directors of MSETCL and the DPR has been submitted to Hon'ble Commission. However, Hon'ble Commission has requested to provide justification in view of conductor replacement work of 400 kV Padghe-Kalwa D/C line by HTLS conductor which is expected to be completed by March' 2023. Also, recently, applications for power supply requirement by various data centers have received by STU. Thus, the proposal is currently under scrutiny at MSETCL and final proposal will be put-up in the next MTC meeting. After recommendation in the MTC, the revised proposal may be considered at GCC level.

GCC noted and requested Chief Engineer (STU) & MSETCL to review the proposal and take up the same in ensuing MTC meeting.

3.30. Interconnection of 220Kv, Murud-Tuljapur and 220kV Osmanabad-Barshi line to create 3rd source to 220kV Osmanabad substation.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.31. Establishment of 220/132/33 kV, Supa (MIDC) s/s., Tal. Parner, Dist. Ahmednagar - Modification thereof.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.32. Interlinking of 400kV, Koradi-I s/s to Koradi-II s/s by making LILO on existing Koradi-I - RPL & Koradi-I - Bhusawal at Koradi-II s/s.

The Director (Operations), MSETCL, informed that series of meetings have been undertaken with PGCIL for taking remedial measure for reduction of high fault level at PGCIL's 765/400/220 kV Wardha (PG) Sub-station. The matter has been discussed by the CMD (MSETCL) with the PGCIL management. Thus, the proposal is currently under scrutiny at MSETCL and final proposal will be put-up in the next MTC meeting. After recommendation in the MTC, the revised proposal may be considered at GCC level.

GCC noted and requested Chief Engineer (STU) & MSETCL to review the proposal and take up the same in ensuing MTC meeting.

3.33. Interlinking between 132kV, Sengaon -Hingoli and 132 kV Risod- Yeldari line.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.34. Installation & Commissioning of 125 MVAR, 400 kV Bus Reactor each at 400 kV Thapatitanda S/S and 400 kV Girwali S/S under Aurangabad Zone.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.35. Replacement of oil filled cable of 110 kV at Parel-Grant Road, Carnac-Grant Road, Parel-Mahalaxmi#1, Dharavi- Mahalaxmi by XLPE cable

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.36. Installation of 220 kV, 125 MVAR Reactor each at 220 kV Mahalaxmi & 220 kV Trombay.

Chief Engineer (STU) informed that 1 x 125 MVAr, 220 kV Reactor at 220 kV Trombay (TPC) has been recommended by MTC. The proposal for reactor at 220 kV Mahalaxmi is under scrutiny at STU level for which load flow studies are required.

The Head (Transmission), TPC, informed that any data required for load flow studies will be provided as requested by STU. The Chairman of GCC opined that complete network of BEST & TPC in South Mumbai is cable network & hence, reactive compensation needs to be provided to avoid high voltage issues.

GCC noted and consented to consider the Scheme for 1 x 125 MVAr, 220 kV Reactor at 220 kV Trombay (TPC) in STU Five Year Plan.

Further, GCC requested Chief Engineer (STU) to carry out studies for Reactor requirements at 220 kV Mahalaxmi and take up the same in ensuing MTC meeting.

3.37. Installation of new 220/33 kV, Stn at Vile Parle

As the MTC has not deliberated and recommended the proposal for submission to GCC for further ratification, GCC directed Chief Engineer (STU) to put-up the proposal in ensuing MTC meeting.

3.38. Installation of 220 / 33 kV, Station at Worli

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.39. Construction of new 220 kV Salsette-Backbay hybrid line.

After due deliberations, GCC noted and consented for inclusion of the Scheme in STU Five Year Plan.

3.40. 220kV Chandivali EHV Scheme,

3.41. 220kV Kandivali EHV Scheme,

3.42. 220kV Dahisar EHV Scheme,

3.43. 220kV Malad (E) EHV Scheme,

3.44. 220kV Khardanda EHV scheme,

For Point No. 3.40 to 3.44:

As the MTC has not deliberated and recommended the proposal for submission to GCC for further ratification, GCC directed Chief Engineer (STU) to put-up the proposal in ensuing MTC meeting.

3.45. **Discussion and finalization of various Draft Procedures formulated in accordance with provisions of the MEGC, 2020:**

a) Procedure for Crisis Management Plan as per Regulation No. 64.3 of MEGC 2020.

b) Procedure Congestion Management as per Regulation No. 44.1 of MEGC 2020.

For point No. a) & b):

Chief Engineer (STU) informed that in accordance with the provisions of the MEGC, 2020, above procedures have been developed in consultation with SLDC and were uploaded on website for seeking comments/suggestions from various stake holders. Comments/suggestions from some of the stake holders have been received.

The Superintending Engineer (WRPC) informed that the said procedures have not been shared and requested to provide the draft procedures.

The Chairman of GCC directed the Chief Engineer (STU) to consolidate all the comments/suggestions received from all the stake holders and circulate the comments along with draft procedures to all the members of GCC in advance so that discussions can be made in the ensuing GCC meeting.

c) Standard planning data formats as per Regulation No. 14 of MEGC 2020.

d) Methodology for computation of zone-wise transmission capacity utilization index and voltage variation index as per Regulation No. 13.2.2 of MEGC 2020.

e) Guidebook for planning Code as per Regulation No. 13.2.6 of MEGC 2020.

For point No. c) to e):

Chief Engineer (STU) informed that in accordance with the provisions of the MEGC, 2020, above procedures have been developed and were uploaded on website for seeking comments/suggestions from various stake holders. Comments/suggestions from some of the stake holders have been received.

The Chairman of GCC enquired whether all the comments/suggestions received from Stake holders are acceptable or need further deliberations in the GCC meeting. In this respect, Chief Engineer (STU) informed that the comments/suggestions received from various Stake holders are found justified, hence, have been incorporated in the draft procedures.

In view of the same, after due deliberations, GCC approved the procedures for implementation in the State. Further, GCC directed Chief Engineer (STU) to publish the procedures on MSETCL website under STU head.

f) Discussion and finalization of Draft procedure formulated towards, "Procedure of work to be carried out across an inter-user boundary."

The Chief Engineer (STU) informed that as per regulation no.45.2 of MEGC 2020, STU has developed the said procedure and was uploaded on website for seeking comments/suggestions from various stake holders. Comments/suggestions from some of the stake holders have been received. The said procedure was discussed in the 3rd OCC meeting held on 02.05.2022 and the OCC Committee has recommended to submit the draft procedure in the ensuing GCC meeting for onward approval.

After due deliberations, GCC noted the procedures and consented to implement the same in the State.

4. Points related to A,C,I & P, MSETCL:

4.1. Review of Relay Coordination & Protection Philosophy for 220 kV lines in MMR Region:

4.2. Review of Over-Voltage Relay setting of 400 kV lines in MMR Region:

4.3. Third Party Protection Audit of 765kV/400kV & 220 kV Sub-Stations in MMR Region.

The 1st meeting of Protection Co-ordination Committee (PCC) was held on 08.09.2021. In the said meeting discussions on above mentioned subject were carried out and the committee has recommended to appraise these issues to GCC.

Chief Engineer (ACI&P), MSETCL and the Chairman of the Protection Co-ordination Committee (PCC), informed that in the 1st PCC held on 08.09.2021, review of above procedures/philosophy was carried out. During the review, the PCC Committee observed that no major changes are required in the existing procedures/philosophy except providing Main-I & Main-II protection schemes of Distance Protection on 220 kV lines instead of Main & Back-up Schemes as recommended in the High-Level Committee Report in the partial grid disturbance dated 12.10.2020. Further, the PCC has recommended to appraise the said change to the GCC.

The Superintending Engineer (WRPC) opined that the said philosophy of providing Main-I & Main-II protection schemes of Distance Protection on 220 kV lines instead of Main & Back-up Schemes can be adopted.

After due deliberations, GCC noted the said change.

5. Other points raised by committee members with permission of Chair.

5.1. Non-availability of Kalwa Nodal for co-ordination of Tripping/Load Shedding information issued by MSLDC.

The Member Convenor of GCC informed that earlier all MSETCL Nodal Centers were operational in the State for passing & ensuring implementation of Load shedding instructions of MSLDC. However, it is observed that Kalwa Nodal is not operational due to new staff set-up implemented in MSETCL. Due to non-availability of such Nodal Centers, difficulty is faced in implementing the instructions in real time.

The Chairman of GCC requested the Executive Director (Operations), MSETCL to look in to the matter and make all the Nodal Centers operational for smooth flow of information and implementation of MSLDC Control Room instructions.

5.2. Providing Specifications for installation of PMUs in Mumbai System.

The Head (Transmission), TPC informed that as per the recommendation of the High-Level Committee, PMUs are to be installed in Mumbai Transmission network. Accordingly, locations have been identified for installation of PMUs. However, standard SoP having technical specifications of PMUs, technical requirements of communication/PDC, etc, need to be devised & provided for integration of these new PMUs with existing PMUs reported at MSLDC, Airoli.

The Superintending Engineer (Commercial), WRPC, informed that PGCIL has standard specifications for PMU System, which can be checked while formulating Specifications/SoP in the State.

The Chief Engineer (MSLDC) informed that a Sub-Group has been formed at SLDC having representation from various State Utilities which can provide the required details.

After due deliberations, GCC noted and requested STU, ACI&P & SLDC to co-ordinate with TPC & AEML for formulation of standard SoP/Specifications for installation of PMUs.

5.3. Requirement of Reactive Power Compensation in Boisar area for avoiding high Reactive injection from 2 x 250 MW ADTPS Plant.

The Vice President (Metering), AEML, informed that since last few days, around 120-130 MVAr reactive power is flowing from ADTPS Dahanu to 220 kV Boisar-II S/s through 220 kV Viraj. To provide this high reactive power, real time power output of ADTPS units is getting reduced. As the units are old and due to vibration issues, it is not possible to provide reactive power support as per capability curve. He further, requested to provide adequate reactive compensation in Boisar area.

The Member Convenor of GCC informed that large no. of industries are functional in Boisar area. Hence, it is necessary to check the reactive power requirements and compensation needs for providing adequate reactive power.

The Chief Engineer (Power Purchase), MSEDCL, informed that the data of reactive power requirements in Boisar area will be collected and analyzed.

The Chairman of GCC requested MSEDCL to provide reactive power requirements data to STU. Based on the data, STU should carry out studies and plan & provide adequate reactive power compensation in Boisar area.

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Member (Convenor)

Chairman (GCC)

ANNEXURE – A

List of participants for the 4th GCC Core Group Meeting

Sr. No.	Name of Organization	Name of Nominee	Designation	Committee Position
1	MSETCL	Shri Anil V. Kolap	Director (Operations)	Chairperson
2	MSPGCL	Shri Girish Kumawar	CE(Works)	Member
3	MSETCL	Shri. Rohidas Mhaske	Executive Director (Trans)	Member
4	WRPC	Shri Pramod D. Lone	S.E. Commercial	Member
5	MEDA	Shri Manoj Pise	General Manager (Co-ordination)	Member
6	MSLDC	Shri. Shrikant V. Jaltare	Executive Director (SLDC)	Member Convener
7	MSLDC	Mrs. Juelee Wagh	Chief Engineer (SLDC)	---
8	STU	Shri. Sanjeev Bhole	Chief Engineer (STU)	---
9	MSETCL	Shri. Shashank Jewalikar	Chief Engineer (ACI&P)	---
10	MSEDCL	Shri. Dinesh Agrawal	Chief Engineer (Power Purchase)	---
11	TPC	Shri. P. Devanand	Head (PSCC)	---
12	TPC	Shri. Kiran Desale	Head (Transmission)	---
13	TPC	Shri. Vishwas Shrikhande		---
14	AEML-T	Shri. Rakesh Raj	Vice President	---
15	AEML	Shri. Abaji Naralkar	Asst. Vice President	---
16	AEML-T	Shri. Pravin Phokmare	Asst. Vice President	---
17	MSLDC	Shri. Mahesh Bhagwat	Superintending Engineer (OP), MSLDC	---
18	STU	Shri. Amit Naik	Superintending Engineer (Systems)	---