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INFORMATION



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

NO 02482

Date 14 NOV 2025

To,
As per mailing list GCC Core Group Members.

Sub: - Minutes of the 15th Grid Coordination Committee (GCC) meeting held on 08.10.2025 at MSLDC Airoli.

Ref.: 1. Agenda circulated vide Letter No. ED/MSLDC/OP/GCC/2101 dated 03.10.2025.


Dear Sir,

With reference to the above subject, the Minutes of the 15th Grid Co-ordination Committee (GCC) meeting held at MSLDC, Airoli on 08.10.2025 at 11:00 hrs.in hybrid mode is enclosed herewith.

Thanking you.

Encl: As above.

With regards,


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

Copy s.w.rs. 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
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5	MSPGCL	Shri. Anil Kathoye CE (Works)	Member	022-6942200 69843434 Ext. 3419	cegw@mahagenco.in
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7	MEDA	Shri Manoj Pise, General Manager	Member	9422319093	gmr@mahaurja.com

Minutes of the 15th Grid Co-ordination Committee meeting held on 08th October 2025 at 11:00 hrs. at MSLDC, Airoli.

The 15th Grid Coordination Committee (GCC) meeting of the Core Group was held on 08.10.2025 at 11:00 hrs at MSLDC, Airoli.

The meeting was conducted both physically and via video conferencing. A list of members/participants is enclosed as ANNEXURE - A.

The Executive Director of MSLDC and Member Convener of the GCC welcomed all the members and other participants to the 15th GCC Meeting.

With the permission of the Chair, discussions for the 15th GCC Core Committee began as follows:

Item No.1:

Confirmation of the Minutes of the 14th GCC Meeting held on 28.07.2025.

The Member Convenor of GCC informed that the minutes of the 14th GCC meeting held on 28.07.2025 were circulated to all the members vide Letter No. ED/MSLDC/TECH/OP/GCC/1943 Dated. 12.09.2025. However, no comments are received from members and hence, the same may be considered as ratified.

GCC confirmed the Minutes of the 14th GCC Meeting held on 28.07.2025.

Item No.2: Agenda point from Operation Co-ordination Committee (OCC):

Review of MEGC 2020 as per clause 6 as reproduced below in line with the decision at 14th GCC meeting convened on 28th July 2025

Review of MEGC:

The Maharashtra Electricity Grid Code (MEGC) Regulations, 2020, officially known as the MERC (State Grid Code) Regulations, 2020, were issued by the Maharashtra Electricity Regulatory Commission (MERC) to regulate the planning, development, operation, and maintenance of the intra-state transmission system (In-STTS).

Formally notified in 2020, these grid code regulations superseded the earlier version issued in September 2019 and are now the operative framework governing Maharashtra's grid operations.

As per clause 6 of MEGC 2020, Grid Code Review

1.1 Implementation aspects of the MEGC shall be reviewed by the GCC at least once in every 12 months or as and when required.

Vide email dtd. 16.09.2025, MSLDC's comments on draft MERC State Grid Code (1st Amendment Regulation 2025) are submitted to the Hon'ble Commission on 15th September 2025; is circulated to all GCC core group members.

Discussion in 15th GCC:

The Member Convenor of the GCC, Executive Director, MSLDC, informed that all comments and additions to the MERC State Grid Code have been prepared in line with the IEGC 2023. He also mentioned that inputs from SLDC have been duly incorporated and provided a brief overview of the additions made.

He mentioned that our recommendations span across all sections of the Grid Code, including Definitions, General Provisions, Connection Code, Operating Code, Scheduling & Despatch Code, Communication Code, Protection Code, Metering Code, Cyber Security, and Annexures. Key proposals include the incorporation of new and revised definitions to reflect current technological and operational standards, such as those for Generating Units, Energy Storage System, Control Centres, Alert State, Blackout State, and various system stability parameters. MSLDC also emphasizes the need for harmonization with IEGC 2023, particularly in areas like the procedure for first-time energization of new assets, technical requirements for connectivity, and documentation and testing mandates for different types of generating stations and transmission systems prior to commercial operation declaration.

Also;

1. A significant focus is placed on revising scheduling & dispatch timelines to harmonize state procedures with those stipulated in the IEGC. A separate comparative sheet outlines proposed timelines for day-ahead & intraday scheduling activities are part of the document.
2. Implementing the proposed timelines & principles of scheduling will require Ancillary service regulation in Maharashtra State. The submission further introduces the necessity for a state-level Ancillary services framework, aligning with the CERC Ancillary services Regulation 2022, to maintain frequency stability, manage state periphery deviations and relieve transmission congestion.
3. MSLDC has also emphasized the need for detailed PPA wise scheduling procedures including the declaration of operational parameters such as minimum schedule and ramp rates to address the complexities arising from multiple contracts within a single generating unit or station.
4. To enhance grid resilience and operational efficiency, MSLDC has proposed the establishment of a Cyber Security Coordination Committee (CSCC).
5. MSLDC recommends adjustments to the periodicity of various committee meetings such as the GCC, OCC, PCC, MCCC and MTC to ensure more frequent and effective coordination.
6. For renewable energy generators, MSLDC stresses the importance of specific technical & testing requirements, data acquisition protocols for weather and real time generation data and the role of Qualified Coordinating Agencies (QCA) in aggregation and settlement processes.
7. Additional modification suggestions pertain to system security, including the refinement of Under frequency & df/dt relay-based load shedding schemes, the introduction of System Protection Schemes (SPS), Under Voltage Load shedding scheme (UVLS), and clearer guidelines for voltage control and reactive power management.
8. MSLDC recommended that Communication code to be aligned with the CERC (Communication system for Interstate Transmission of Electricity) Regulation, 2017

9. IEGC 2023 mandates Main and Backup control centres for national and regional operators. Extending this requirement to SLDC harmonizes practices across system operators. International codes (ENTSO-E, NERC) similarly require redundant, geographically separated centres to avoid single points of failure.

As part of disaster management and to address the increasing penetration of renewable energy and the expanding transmission grid, each SLDC shall:

Establish Main-I and Main-II control centres, both fully capable of performing all system operation functions independently; and

Create Sub-SLDCs at such locations as deemed necessary to provide effective monitoring, control, and support to the main centres.

10. The SLDC shall establish and operate an Energy Data Centre (EDC) as part of its Control Centres. The EDC shall serve as the secure repository and processing hub for all operational, market, planning, forecasting, and cyber-security data of the Intra-State Transmission System (InSTS).

Briefing on Draft MEGC-2025 and SLDC Submission to MERC:

ED, MSLDC informed the GCC that the Hon'ble Maharashtra Electricity Regulatory Commission (MERC) had published the **Draft Maharashtra Electricity Grid Code (MEGC) 2025** on **02nd August 2025**, inviting comments from SLDC and stakeholders.

In response, MSLDC analyzed the proposed scheduling timelines and prepared a modified version to align with IEGC-2023 for harmonization. A draft revised scheduling timeline and detailed comments on Draft MEGC-2025, including modifications to certain clauses and addition of new clauses in the extant MEGC-2020, were prepared and shared with stakeholders during the 10th OCC (Operation Co-ordination Committee) meeting held on 03rd September 2025.

Presentation on Proposed Scheduling Timelines;

In the GCC meeting, MSLDC conducted a walkthrough of the proposed scheduling timelines as submitted to MERC. MSLDC also highlighted operational and implementation difficulties that could be encountered by State entities while harmonizing the state scheduling timelines with Centre. These concerns have already been communicated with NLDC, CEA, and MERC.

The major challenges highlighted include:

- a) **Operational Challenges:** Surplus data extraction under decentralized optimization leads to recurring misalignments and imbalances, requiring continuous centralized optimization and reserve support at the state level.
- b) **Demand Forecasting:** Earlier forecast requirements reduce flexibility for real-time adjustments.
- c) **Ramp Rate Considerations:** Current market schedules ignore ramping and intrastate constraints. Harmonization requires further deliberation with Central agencies (CERC/Grid India).
- d) **Tripping of Market Units:** Tripping of intrastate market units may cause imbalances, necessitating an alternate power procurement framework.

- c) Absence of State-Level Reserves/Ancillary Services: Unlike Central mechanisms, the State currently lacks reserve and ancillary frameworks. Incorporating scheduling timelines without these may compromise grid stability.

1. SCED Pilot Project Status

MSLDC briefed the committee about the ongoing SCED (Security Constrained Economic Dispatch) pilot in Maharashtra. Currently, the SCED engine is running in parallel with the existing Merit Order Dispatch (MOD) for comparative evaluation without affecting real-time operations. The SCED engine is under iterative improvement. These future enhancements will allow the Hon'ble Commission to take appropriate directions towards implementation of Intra-State SCED.

2. MSLDC Observations and Recommendations;

MSLDC reiterated its commitment to harmonization with national market frameworks. However, it emphasized that:

- o A phased implementation approach is necessary.
- o Completion of the SCED pilot and readiness of State-level reserve/ancillary systems is critical.
- o Proper alignment between Central and State scheduling timelines is essential for effective implementation of the LPS mechanism and to prevent operational/financial inefficiencies.
- o A coordinated decision involving joint deliberations on scheduling principles, timelines, and gate closures between State and Centre is required before operationalizing the LPS rule at the State level.

3. Suggestions by MSEDCL and MSPGCL

- o In this meeting, MSEDCL requested shifting the Gate Closure for Demand Revision for Time Block-1 onwards from the current 22:15–22:30 hrs. to 22:30–22:45 hrs. to allow more flexibility for demand revisions.
The Chairman, GCC, instructed MSLDC to discuss the matter jointly with MSEDCL and review the proposed timeline to assess possible modification prior to finalizing the GCC submission to MERC.
- o MSLDC inquired whether MSPGCL had any comments on the heat rate compensation treatment proposed in Draft MEGC-2025. MSPGCL responded that it had no suggestions on the matter.
- o MSPGCL, however, pointed out that CERC's latest amendment allows generators to revise their Declared Capacity (DC) up to 60 times in a month. It was requested that a similar provision be incorporated into the State Grid Code, as current provisions in MEGC-2020 and draft MEGC-2025 allow DC revision only in case of tripping and only upward revision as per specified timelines.

In view of the suggestions made by MSEDCL and MSPGCL regarding the scheduling timelines and draft MEGC-2025 provisions, the Chairman, GCC directed both entities to:

- Submit their detailed written comments along with relevant supporting documents to SLDC.
- SLDC to review the submissions and consider inclusion in the updated GCC response to MERC, as per discussions held in this meeting.
- After such review of submissions if any; GCC directed SLDC to submit the following parts of comment on the draft published by Hon'ble MERC.

Clause 2 – Definitions, Chapter A – General, Chapter E – Scheduling and Despatch Code, and Annexure-4 – Mechanism for Compensation for Degradation of Heat Rate, among others; as the draft MEGC 2025 proposes changes in these provisions. The GCC finalised recommendations on the draft MEGC 2025 for submission to Hon. MERC.

Further, GCC has also decided that the modifications proposed by SLDC & STU in other areas of the MEGC 2020 will be circulated to the sub committees and after review of these recommendations from sub-committees the GCC will propose necessary modifications to the Grid Code.

After due consideration and consultation with the GCC core group members; the GCC has finalised its recommendations and comments on draft MEGC 2025 which are enclosed herewith as Annexure-B

All GCC members took note of the discussions.

Item No.3: Agenda received from STU:

Agenda point No.1: MEGC Grid Code Amendment – Comments:

Discussion in 15th GCC:

The CE, STU referred to Clause 6 of the MEGC 2020, which mandates annual review of the Grid Code by GCC. In line with discussions during the 14th GCC, inputs were invited from all sub-committee chairpersons on operational challenges and proposed amendments. The CE, STU emphasized the need to align the MERC State Grid Code, 2020 with provisions of the IEGC, 2023, particularly in the Planning, Connection, and Communication Codes.

Stakeholders were requested to submit suggestions on implementation difficulties.

Additional definitions—such as Demand Response, Data Acquisition System, Energy Storage System, Flexible AC Transmission, Flow-gate, and Transmission Planning Criteria—are proposed to be incorporated, along with updates to Load and User definitions per IEGC.

Reference was made to MERC (Approval of Capital Investment Schemes) Regulations, 2022, which authorize the Commission to issue practice directions under the State Grid Code for DPR approval

timelines. CE, STU proposed that these timelines and procedures be formally issued by the Commission.

The Chairperson, GCC noted that MSEDCL and MSPGCL comments are awaited. Inputs from all stakeholders will be consolidated and deliberated in respective sub-committees, which will present their recommendations in the ensuing GCC meeting.

All GCC members took note of the discussions.

Agenda point No.2: CEA Technical standards Regulations implementation report appraisal – Implementation Review

Discussion in 15th GCC:

The sub-group constituted to study CEA Technical Standards Regulations presented its report, covering compliance processes and practices at the Central level and their applicability to the State. The highlights of the committee recommendations are as below:

For new projects:

STU to monitor compliance within 6–12 months from grid connectivity issuance. Compliance reports to be submitted at least 3 months before seeking Final Grid Connectivity (FGC). STU to issue FGC only upon receipt of compliance reports; non-submission may result in connectivity cancellation.

For projects with FGC already issued:

MSLDC to obtain an undertaking from developers to submit compliance reports within 6 months while seeking synchronization for capacity addition. On-compliance will result in non-scheduling and disconnection. STU to issue letters to all such generators.

For projects commissioned before/after notification of CEA Regulations:

STU to instruct post-notification developers to submit compliance studies within 3 months.

Pre-notification developers to be advised to align with regulatory requirements.

STU and MSLDC to jointly conduct reactive power compensation studies.

Additional Recommendations:

Adopt IEGC 2023 procedures for periodic field measurements and model benchmarking.

Collaborate with institutes (e.g., IIT) for capacity building of STU and MSLDC engineers.

Form a State-level RE Working Group similar to WRPC's RE Sub-group to monitor non-compliances and related issues.

The Chairman, GCC directed STU to draft a detailed procedure based on the sub-group report, seek stakeholder feedback, and present the revised document in the ensuing GCC meeting.

All GCC members took note of the discussions.

Agenda point No.3: Methodology for availability and acquisition of 15 min time Block wise monthly POA data required for determination of Adjusted Base TCR.

Discussion in 15th GCC:

The CE, STU informed that the methodology for RE POA data was finalized in the 14th GCC. A meeting held on 04.09.2025 discussed the process for Non-RE consumers.

Key points agreed:

Non-RE 15-min block POA data to be based on scheduled data published by MSLDC.

MSLDC noted the data is not currently available in segregated form for POA consumers. Identification of Non-RE POA data requires defining modalities between STU, MSLDC, and DISCOMs, including possible software modification. MSEDCL suggested data can be identified from Short-Term transaction approvals. MSLDC requested DISCOM-wise lists of Short/Medium/Long-Term Non-RE POA consumers. STU proposed developing software capability to segregate POA data by DISCOM.

ED, MSLDC directed verification of implementation feasibility and data separation responsibilities. CE, STU informed that STU has already sought a 4-month extension from MERC for methodology submission and thus requested that the procedure may be approved by GCC on a broader sense based on the stake holder consultations for submission to Hon.MERC while the implementation modalities can be worked out subsequently.

The Chairman, GCC directed STU to finalise the methodology for sharing of data of POA consumers based on the discussions in the earlier & this GCC and submit the same to Hon.MERC within the extension time period. In the meanwhile, further stake holder consultation to be taken up by STU for finalisation of implementation modalities and apprise the ensuing GCC about the same.

All GCC members took note of the discussions.

Item No. 4. Additional Agenda from STU :

Aditya Birla Renewable Energy Ltd (ABREL) has filed petition seeking relief for the development and approvals for its Solar Wind Hybrid RE Project, particularly on connectivity and open access for lesser capacity than the cumulative installed capacity, and partly in treatment with standalone RE Projects.

MERC in its order dated 21.08.2025 directed, "GCC to conduct a detail study and submit a framework within 6 months from the date of that order, which could form the bases for future regulatory amendments."

Previously, MERC in the similar matter in case of Ultratech Cement Ltd in case no. 143 of 2024 and Captive Power Producers Association in case no. 246 of 2023 issued the similar above order.

Discussion in 15th GCC:

Aditya Birla Renewable Energy Ltd (ABREL) filed a petition before MERC seeking relief for its Solar-Wind Hybrid Project, requesting consideration for connectivity and open access for capacities lower than the cumulative installed capacity.

MERC Order (21.08.2025):

Directed GCC to conduct a detailed study and propose a framework within 6 months, forming the basis for future regulatory amendments. Similar directions were earlier issued in Case Nos. 143/2024 (Ultratech Cement) and 246/2023 (Captive Power Producers Association).

CE (STU) informed that relevant provisions from Case No. 106/2024 (Ultratech Cement) have been incorporated in STU's revised connectivity procedures. Chairman, GCC highlighted absence of clear metering guidelines for hybrid connectivity in State regulations and advised STU to consult DISCOMs, MEDA, and generators to address practical challenges.

Chairman, GCC directed STU to form a subcommittee constituting STU, MEDA, generators & MSLDC representatives to conduct a detailed study and propose a framework in respect to Hybrid projects.

All GCC members took note of the discussions.

With these discussions the meeting concluded with vote of thanks.

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Annexure A

List of participants for 15th GCC meeting held on 08.10.2025

Sr no	Name of member	Designation	Committee position
1	Shri Satish Chavan	Director (Operations), MSETCL	Chairperson
2	Shri Shashank Jewalikar	Executive Director (MSLDC)	Member Convener
3	Shri Sandip Patil	Chief Engineer (PP), MSEDCL attended on behalf of Director (Commercial) MSEDCL	Member
4	Shri. Anil Kathoye	CE (Works), MSPGCL	Member
5	Shri P. D. Lone,	S.E. Commercial, WRPC	Member
6	Shri Manoj Pise	General Manager, MEDA	Member
Special Invitees			
8	Shri Pramod Bhosale	Chief Engineer (I/C), ACI&P, MSETCL	---

15th GCC Meeting at MSLDC Office on 08-10-2025 at 11:00 Hrs

Sr. No.	Name	Designation	Name of Organisation	Contact Number	Mail id	Sign
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4	Shri Girish Pantaji	CE (I/C)	SLDC			
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11	Shri. G.C. Ozare	Dy EE, MSLDC (SO)	MSLDC			
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