



**MAHATRANSCO**  
Maharashtra State Electricity Transmission Co. Ltd.

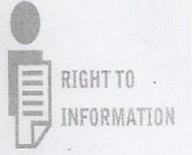
**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.**

CIN NO. U40109MH2005SGC153646

**Maharashtra State Load Dispatch Center**

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Maharashtra State Load Dispatch Center  
Thane-Belapur Road, P.O. Airoli  
Navi Mumbai Pin – 400 708.



Ref. No. CE/MSLDC/OP/OCC/ **No 00812**

Date: **03 MAY 2024**

To,

**Members of the OCC as per mailing list.**

**Sub:** Minutes of the 7<sup>th</sup> Operation Co-ordination Committee (OCC) meeting held on 14.02.2024 at 11:30 hrs. through physical & video conferencing mode at MSLDC Kalwa.

**Ref.:** 1. 6<sup>th</sup> OCC MOM Circulated vide MSLDC/TECH/Op/OCC/2080 Dated. 29.11.2023  
2. 7<sup>th</sup> OCC Agenda request through E-mail Dated 02.01.2024.  
3. 7<sup>th</sup> OCC Agnenda Circulated with meeting intimation through E-mail Dated 07.02.2024.

Dear Sir/Madam,

In reference to the above subject, the 7<sup>th</sup> Operation Co-ordination Committee (OCC) meeting was held on 14.02.2024 at 11:30 hrs. through physical & video conferencing mode at MSLDC Kalwa.

The Minutes of the said meeting are attached herewith.

Encl: As above.

Yours sincerely,

(Girish Pantoji)  
Superintending Engineer, SLDC  
(Member Convener of OCC)

Copy s.w.rs. to:

The Director (Operations), MSETCL, Prakashganga, Mumbai.

**Sub: Minutes of the 7<sup>th</sup> Operation Co-ordination Committee (OCC) meeting held on 14.02.2024 at 11:30 hrs at MSLDC Kalwa.**

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**OCC members as per list shown below:**

Sr. No.	Name of Organization	Name of Nominee	Designation	Committee constituent	Contact No.	E-mail ID
1	SLDC	Shri Shashank Jewalikar	ED, MSLDC (I/c)	Chairperson	022-27301931	<a href="mailto:edmsebholding@gmail.com">edmsebholding@gmail.com</a>
2	MSETCL	Shri. Rohidas Mhaske	ED, Tr O&M MSETCL	Member	7447441000	<a href="mailto:edtrans@mahatransco.in">edtrans@mahatransco.in</a>
3	SLDC	Shri. Mahesh Bhagwat	CE, MSLDC	Member	9920499062	<a href="mailto:cesldc@mahasldc.in">cesldc@mahasldc.in</a>
4	STU/MSETCL	Shri. Peeyush Sharma	CE, STU	Member	9769213865	<a href="mailto:cestu@mahatransco.in">cestu@mahatransco.in</a>
5	MSEDCL	Shri Pravin Annachatre	S.E (LM), MSEDCL	Member	9833980238	<a href="mailto:selmkalwa@gmail.com">selmkalwa@gmail.com</a>
6	MSPGCL	Shri S. S. Sonpethkar	Dy.CE (Works) MSPGCL	Member	8411958623	<a href="mailto:cegw@mahagenco.in">cegw@mahagenco.in</a>
7	TPCL	Shri Kiran Desale	Head Transmission TPCL	Member	9223553342	<a href="mailto:desalekv@tatapower.com">desalekv@tatapower.com</a>
		Shri Milind Gole	Head (PSCC), TPCL	Member	9820868264	<a href="mailto:pssc@tatapower.com">pssc@tatapower.com</a>
8	AEML	Shri Shrikant Yeole	Head O&M AEML Transmission	Member	9323552945	<a href="mailto:shrikant.yeole@adani.com">shrikant.yeole@adani.com</a>
9	AEML	Shri Abaji Naralkar	AVP, AEML Distribution	Member	9324817526	<a href="mailto:abaji.naralkar@adani.com">abaji.naralkar@adani.com</a>
10	ATIL	Shri Abhishek Kukreja	Associate Manager-O&M	Member	6359956492	<a href="mailto:Abjishek.Kukreja@adani.com">Abjishek.Kukreja@adani.com</a>
11	MEGPTCL	Shri Rakesh Bhalerao	Associate Manager-Business Development	Member	7045953823	<a href="mailto:rakesh.bhalerao@adani.com">rakesh.bhalerao@adani.com</a>
12	JPTL	Shri Vaibhav D Sansare	Associate Manager-Transmission	Member	9552577122	<a href="mailto:Vaibhav.sansare@jsw.in">Vaibhav.sansare@jsw.in</a>
13	APTCL	Shri Rajiv Nimje	AGM, APTCL	Member	9422308883	<a href="mailto:Rajiv.nimje@rattanindia.com">Rajiv.nimje@rattanindia.com</a>
14	VIPL	VIPL Representative		Member		
15	JSWEL	Shri Harshal Joshi	Manager (OSTS)	Member	9552577131	<a href="mailto:harshal.joshi@jsw.in">harshal.joshi@jsw.in</a>

**Sub: Minutes of the 7<sup>th</sup> Operation Co-ordination Committee (OCC) meeting held on 14.02.2024 at 11:30 hrs at MSLDC Kalwa.**

Sr. No	Name of Organization	Name of Nominee	Designation	Committee constituent	Contact No.	E-mail ID
16	ADTPS	Shri Vijay Dalli	VP-Operations ADTPS	Member	9325119741	<a href="mailto:Vijay.Dali@adani.com">Vijay.Dali@adani.com</a>
17	RIPL	Shri Amit Panchalwar	DGM, RIPL	Member	9503229333	<a href="mailto:amit.panchalwar@rattaindia.com">amit.panchalwar@rattaindia.com</a>
18	APML, Tiroda	Shri Manoj Taunk	Associate VP- Protection & Metering	Member	9099005517	<a href="mailto:Manoj.Taunk@adani.com">Manoj.Taunk@adani.com</a>
		Shri Akshay Mathur		Member	9870663062	<a href="mailto:Akkshayv.Mathur@adani.com">Akkshayv.Mathur@adani.com</a>
19	SWPGL Wardha.	Shri Dinesh B Mewade	DGM, SWPGL	Member	7387007010	<a href="mailto:Dinesh.m@saiwardha.com">Dinesh.m@saiwardha.com</a>
		Shri Prabhjit Singh Samra	GM (BDG – Operations), SWPGL	Member	9177025554	<a href="mailto:Dbg_operatios@saiwardha.com">Dbg_operatios@saiwardha.com</a>
20	M/S. AVAADA Maharashtra Pvt. Ltd.	Mr. Dhiren Bhatt		Member (Solar)	9978922979	<a href="mailto:dhiren.bhatt@avaada.com">dhiren.bhatt@avaada.com</a>
21	M/s RENEW Power Pvt. Ltd.	Mr. Jobin Abraham		Member (Wind)	9158202754	<a href="mailto:Jobin.abraham@renewpower.in">Jobin.abraham@renewpower.in</a>
22	SLDC	Shri Girish Pantoji	SE(OP), MSLDC	Member-Convener	9822414154	<a href="mailto:seoperationmsldc@gmail.com">seoperationmsldc@gmail.com</a>

***Sub: Minutes of the 7<sup>th</sup> Operation Co-ordination Committee (OCC) meeting held on 14.02.2024 at 11:30 hrs at MSLDC Kalwa.***

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**Minutes of the 7<sup>th</sup> Operation Co-ordination Committee (OCC) meeting held on 14<sup>th</sup> February 2024 at 11:30 Hrs. through physical & video conferencing mode.**

The 7<sup>th</sup> meeting of the OCC, was convened on 14.02.2024 at 11:30 hrs through physical and video conferencing mode.

At the outset, The Superintending Engineer (OP-MSLDC) & Member Convener of OCC, welcomed all the members and participants.

The Executive Director (MSLDC) & the Chairman of the OCC, welcomed all the members and in his introductory note, elaborated the various achievements of OCC meetings viz. development of procedure entrusted under MEGC, 2020, for resolving Operational issues etc.

The list of participants in the meeting is attached herewith as **ANNEXURE – A**.

The detailed Point-wise Discussions held during the meeting are as follows:

**Item No. 1: Confirmation of Minutes of Meeting of the 6<sup>th</sup> OCC Meeting convened on 18.08.2023:**

- The Member Convenor informed that on dated 18.08.2023, the MoM of the 6<sup>th</sup> OCC Meeting have been shared with all the members and requested to offer any comments on the same so as to confirm the MoM.

***Since no comments received, OCC confirmed the MoM of the meeting***

**Item No. 2: System Disturbance in the Maharashtra Network for the period August 2023 to December 2023**

List of System Disturbance in the Maharashtra Network is enclosed in Annexure 1.

**Item No. 3: List of ongoing schemes in Maharashtra & Mumbai: -**

**3.1** Status of Reactors is enclosed in **Annexure 2**

**3.2** Status of State Transmission Schemes is enclosed in **Annexure 3**

**Item No. 4: Agenda points from MSLDC:**

**Item No. 4.1: Preparation of contingency procedures under Demand Curtailment in accordance with the provisions of the MEGC 2020:**

As per the clause 39.3.3 of MEGC 2020, each buyer including distribution licensee or user, or STU shall formulate contingency procedures and make arrangements that will enable demand disconnection to take place, as instructed by the SLDC, under normal and/or contingent conditions:

Provided that SLDC may direct to modify such procedures or arrangement, if required, in the interest of grid security and concerned Users shall abide by these directions.”

As per Regulation No.39.3.3 of the MEGC-2020 & Clause No. 5.4 & 5.5 of “Load curtailment procedure”, this office has issued a letter and requested all Distribution Licensees/Users to prepare and submit the Load Curtailment Plan to MSLDC at the earliest for implementation of said procedure.

Accordingly, all Distribution Licensees except Indian Railways, E-ON 1, E-ON-2 & Nidar Utilities have submitted Load curtailment Plan for implementation.

Further, MSLDC has formulated load curtailment procedure in accordance with the regulation 28.2 of MEGC 2020 which has been approved by GCC. Further as per 39.3.3 of MEGC 2020 the distribution licensees have formulated a contingency procedure for implementation of demand curtailment. The said procedure is the part of load curtailment procedure developed by MSLDC and load curtailment will be carried with accordance with the said procedure submitted by major discoms under contingent conditions.

*MSLDC representative presented the load curtailment procedure, during the discussion, Head PSCC expressed the concern regarding the implementation of load shedding of the load categorized under the Non-critical (Priority -3) category if required in real time condition. He raised a query whether load categorized under the critical (Priority -2) category should be implemented after the implementation of Priority -3 (P-3) load of TPCL or after the implementation of total Priority -3 (P-3) load of Mumbai area (i.e P-3 load of TPCL, AEML & BEST). After the discussion, the Chairman of OCC directed that the priority should be given to the whole Priority -3 (P-3) categorized area of Mumbai depending upon nature of occurrence before the implementation of Priority -2 (P-2) area as mentioned in the procedure.*

*However, if nature of occurrence demands in which load shedding is required to be carried out to give larger relief P-2 followed by P-3 load in that area shall be implemented. For eg. If more load relief is required in TPCL area, load categorized under the critical (Priority -2) category shall also be implemented after the implementation of Priority -3 (P-3) load of TPCL.*

*OCC took note of the same.*

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**Item No. 4.2: Draft Procedure for computation of monthly TTC /ATC and Interconnection studies:**

In accordance with the CERC GNA regulation, the TTC/ATC and six months ahead interconnection studies are to be carried out by each state on monthly basis. Accordingly, Hon. CERC has issued a detailed procedure in the said subject which is to be followed by RLDC and states. Hence a draft procedure for computation of monthly TTC /ATC and Interconnection studies has been prepared by MSLDC under the provision of 28.2 of the MEGC in consultation with the stakeholders.

*MSLDC representative presented the Draft Procedure for computation of monthly TTC/ATC and interconnection studies and explained the roles and responsibilities of each stakeholder as per the procedure.*

*The Chairman of OCC directed that a group shall be formed for the evaluation of ATC/TTC on monthly basis by nominating the responsible Nodal officer from each stakeholder. The concurrence has to be taken from GCC. He advised to start the activity from March 2024.*

*With due deliberations, OCC accepted the opinion of the Chairman of OCC.*

**Item No. 4.3: Updating of Recovery procedure for Maharashtra state:**

Implementation of IEGC 2023, effective from 1st October 2023, necessitates yearly updating the Restoration/Recovery Procedure of Regional Grid.

Clause 34 (3)

*“Detailed procedures for restoration post partial and total blackout of each user system within a region shall be prepared by the concerned user in coordination with the concerned SLDC, RLDC or NLDC. **The concerned user shall review the procedure every year and update the same.** The user shall carry out a mock trial run of the procedure for different sub-systems including black-start of generating units along with grid forming capability of inverter based generating station and VSC based HVDC black-start support at least once a year under intimation to the concerned SLDC and RLDC. Diesel generator sets and other standalone auxiliary supply source to be used for black start shall be tested on a weekly basis and the user shall send the test reports to the concerned SLDC, RLDC and NLDC on a quarterly basis”*

An email regarding data required for updating of recovery procedure of Maharashtra and WR region as per discussion in 573rd OCC was forwarded on 23rd November 2023.

**Data to be submitted: SLDCs:**

- Grid forming capability of inverter based generating station [New Data]- **Generators**
- Generating stations with House load operation facility [New Data] - **Generators**
- Generating stations with Black-start facility [Update] - **Generators**
- Inter-state, Inter-regional ties [Update] - **Transmission Licensees**
- Synchronizing facilities at 132kV/220 kV/400 kV/765 kV substations [Update]- **Generators & Transmission Licensees**
- Description of implemented islanding schemes [Update]- **AEML & TPC**

- Details of essential loads and railway traction loads to be restored on priority [Update]
- Transmission Licensees**
- Minimum survival and auxiliary power required for power stations [Update] - **Generators**
- List of power plants and captive power plants with auxiliary load requirements [Update]- **All Generators /CPP/IPPS**
- List of new transmission elements and generation units commissioned in 2023 [Update] – **All Utilities**
- Shunt Reactive resources (Line Reactors/ Bus Reactors) in STU & CTU system [Update] - **Transmission Licensees**
- Any other relevant information/feedback for further improving the ‘Grid Recovery Procedure’.

***The Chairman of OCC directed to all the stakeholders to submit the required data within 8 days.***

***OCC took a note of the same.***

**Item No. 4.4: Submission of Demand Estimation data as per IEGC 2023 :**

In accordance with MEGC 2020, regulation no. 38.1 SLDC has to estimate demand for operational purpose further as per IEGC 2023, clause 31.2 as below

*(a) Each SLDC shall carry out demand estimation as part of operational planning after duly factoring in the demand estimation done by STU as part of resource adequacy planning referred to in Chapter 2 of these regulations. Demand estimation by SLDC shall be for both active power and reactive power incidents on the transmission system based on the details collected from distribution licensees, grid-connected distributed generation resources, captive power plants and other bulk consumers embedded within the State.*

*(b) Each SLDC shall develop methodology for daily, weekly, monthly, yearly demand estimation in MW and MWh for operational analysis as well as resource adequacy purposes. Each SLDC, while estimating demand may utilize state of the art tools, weather data, historical data and any other data. For this purpose, all distribution licensees shall maintain a historical database of demand.*

In this regard, as per email received from WRLDC and discussion in 573rd OCC the formats for Day ahead, week ahead, month ahead and year ahead demand estimation along with resource adequacy is to be submitted by all Discoms as per timelines mentioned below.

**TIMELINES FOR DEMAND ESTIMATION**

<b>Demand</b>	<b>AS per IEGC 2023</b>	<b>Timelines from MSLDC</b>	<b>Data submitting utilities</b>
Daily demand estimation	10.00 hrs. of previous day.	9:30 hrs. of previous day.	All
Weekly demand estimation	1st working day of previous week.	1st working day of previous week.	BEST and Railways.
Monthly demand estimation	5th day of previous month.	3rd day of previous month.	BEST and Railways.
Yearly demand estimation	30th September of the previous year.	20th September of the previous year.	MSLDC has submitted demand estimation based on DSR historical data. Data received from BEST, Railways and MSEDCL.

***MSLDC representative stated that all the major distribution licensees are submitting the Demand estimation on Weekly basis. Now as per the clause 31.2 of IEGC 2023, all the major distribution licensees have to submit the Demand estimation on Daily/Weekly/Monthly & Yearly basis.***

***In respect of above, the Chairman of OCC directed to allocate the data submission responsibility to the nodal officer of the newly formed group for ATC/TTC evaluation and Interconnection studies.***

***OCC took a note of the same.***

**Item No. 4.5: Summer preparedness and resource adequacy due to scarcity of Koyna Hydro:**

Koyna Hydro is restricted by its Annual Water quota of 67.5TMC for electricity generation. Due to less rainfall in the Koyna dam catchment area and low dam level, the westward water quota is reduced by 8.644 TMC for the water year 2023-24. Balance water quota as on 03.02.2024 after curtailment of 8.644TMC is 24.855 TMC. State has already catered maximum demand of 28561 MW on 29.01.2024 and it is expected to rise to the tune of 31677MW as per the LGBR.

In such scenarios ensuring resource adequacy and use of Koyna hydro generation in optimum manner is more important during the summer season.

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***In this respect, the Chairman of OCC requested to all the Generating licensees to keep the thermal generation on bar with the maximum generation as and when required and not to avail any planned outages during the summer season.***

***Further, he requested to the Superintending Engineer (LM Cell), MSEDCL to ensure the resource adequacy and minimize the utilization of Koyna water for further utilization in summer season.***

***The Superintending Engineer (LM Cell), MSEDCL informed that MSEDCL arranged around 1300 MW power in short term basis for the month of March'24 & April' 24. He also agreed for the minimum utilization of Koyna water to meet the demand in summer season.***

***With due deliberations, OCC took a note of the same.***

**Item No. 4.6: PSS tuning status:**

As per the provisions of IEGC regulations (2023), the Power System Stabilizers (PSSs), AVR's of generating units and reactive power controllers shall be properly tuned by the generating station as per the plan and the procedure prepared by the concerned RPC. The issue was discussed in 153rd PCM and 48th WRPC meeting & also the same taken for the discussion as agenda point item no.7 in 154th PCM meeting which was held on 27th Dec 2023. In the 48th WRPC meeting, it was decided that all the generators (CGS, IPPs, State generators) shall carry out PSS Tuning and step test on their units, as per the recommendation of PSS Tuning sub-committee report. As per recommendation of the report of NPC, frequency of PSS tuning and field testing are as below: -

- A) PSS Tuning- Once in 5 years or large change in network.
- B) PSS test- Every year during Annual Overhaul.

SLDC has forwarded letter regarding status of PSS Tuning on dtd. 08th Jan 2024 to all state generators and IPPs.

Hence, all the state generators & IPP's are requested to plan the PSS tuning/testing as per the recommendations of the report

***MSLDC representative informed that, PSS tuning status is received from ADTPS, APML Tirora and Sai Wardha generating stations and status from all other generating licenses are still awaited.***

***The MSPGCL and JSW representatives informed that they will submit the status within 2-3 days.***

***In this respect, the Chairman of OCC directed to all the remaining Generating Licensees to submit the present PSS tuning within a week.***

***OCC took a note of the same.***

**Item No. 4.7: Submission of Frequency response data for the FRC event status:**

"As per clause (1) & (2) of IEGC 2023 Regulation 30, the NLDC, RLDC and SLDC shall endeavour that Indian grid frequency remains close to 50.00 Hz and in case frequency goes outside the allowable band, ensure that the frequency is restored within the allowable band of 49.90-50.50 Hz at the earliest. The frequency shall be maintained within the operational band through primary, secondary and tertiary control. The National Reference Frequency shall be 50.00 Hz."

NLDC/RLDC prepared the document for the methodology for estimation of minimum all India target for frequency response characteristics, computation of Primary Frequency Response, Obligation of each control area based on target FRC and assessment of Frequency Response Performance of each control area in line with the IEGC 2023.

the sub-clause (f) of clause (10) of IEGC Regulation 30, as quoted below:

“The minimum All India target frequency response characteristics (FRC) shall be estimated and based on such target FRC, the frequency response obligation of each control area shall be assessed by NLDC, giving due consideration to generation and load within each control area.

Accordingly, WRLDC has asked to submit Frequency response of Maharashtra Utilities for the FRC event on 17.12.2023 and 05.01.2024

<b>Sr. No.</b>	<b>Date and time</b>	<b>FRC event descriptions</b>	<b>Timeline</b>	<b>Data received from utilities of the State for FRC computation.</b>
1	17.12.2023 at 13:01 hrs.	400kV Bhadla-Bikaner ckt-1 tripped due to Y-B fault. Due to this tripping, solar generation loss of around 1600 MW was observed in Rajasthan RE complex.	In this regard on, dtd. 29.12.2023 MSLDC sent an email to all the generating stations of Maharashtra and requested to submit the data in the attached format on or before 3rd Jan, 2024.	M/s TPC, AEML, JPL Dhule, Rattan India, JSW Ratnagiri & Paras U#3,4 (Mahagenco)

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2	05.01.2024 at 05:10 hrs.	Multiple trippings were reported at Kota TPS and RAPP nuclear units. According to SCADA data, the total generation loss during the event was approximately 1726 MW, with a concurrent demand loss of 410 MW. The net generation loss considered for Frequency Restoration Capability (FRC) computation is 1316 MW	In this regard on, on 11.01.2024 MSLDC sent an email to all the generating stations of Maharashtra and requested to submit the data in the attached format on or before 13th Jan, 2024	M/s TPC, AEML, JPL Dhule, JSW Ratnagiri, ParasU#3,4(Mahagenco), Vaitarna hydro (Mahagenco).
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All generators are requested to nominate nodal officers with contact details for coordination of related data for FRC computation.

All state generators /IPPS are requested to submit the requested data within required time line for onward computation of FRC as per IEGC norms.

***MSLDC representative informed that as per regulation 30 of IEGC 2023, it is necessary to submit the data to WRLDC. The Chairman of OCC directed to all the generating licensees to nominate the nodal officer for submission of required data to SLDC within stipulated time period.***

***OCC took a note of the same.***

**Item No. 4.8: Delay in submission of MOD rates by utilities\_ timeline for effective date of implementation of MOD rates:**

As per the clause 33.4 of MEGC-2020 regarding Principles of Merit Order Despatch for operation of InSGS connected to InSTS:

*"Buyer shall submit the scrutinised variable charge/energy charge to the SLDC for preparation of MoD stack by 13th day of every month (Nth month) with intimation to seller with whom it has PPA in the Format- 5B....."*

After the submission of MOD rates by discoms, accordingly as per clause 33.8 below

*"SLDC shall prepare the MoD Stack on the 15th day of every month (Nth month), which would be effective from the 16th day of the Nth month till the 15th day of the subsequent month [i.e. (N+1) th month] unless revised by SLDC. SLDC shall upload the monthly MoD Stack on its website by 15:00 hours on the 15th day of every month (Nth month) in the Format-5B and Format-6B enclosed as Annexure-8.1 and Annexure-8.2 respectively to these Regulations*

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However, it was observed that discoms are not submitting mod rates timely as per the above timelines specified in MEGC-2020 i.e.13th day of the month.

For example, the certain events of delayed submission are as below:

<b>Month</b>	<b>Date on which MOD rates submitted to SLDC</b>	<b>Utility Name</b>
Dec-23	15 Dec-23	CEPP, MSEDCL
Jun-23	15 Jun-23	CEPP, MSEDCL
May-23	15 May-23	CEPP, MSEDCL
Mar-23	15 Mar-23	CEPP, MSEDCL
Feb-23	14 Feb-23	CEPP, MSEDCL
Jan-23	14 Jan-23	CEPP, MSEDCL

Hence, such delayed submission should be avoided.

Further, as per clause 33.9 of MEGC-2020, there are circumstances specified to revise MOD rates:

*"MoD Stack uploaded on the 15th of the month may be subsequently revised by SLDC in the following circumstances:*

- a) *Commencement of supply of power by a generating unit under a new arrangement/bilateral agreement/Short term agreement in between period of MoD operation,*

*Revision of variable charges for preparing the MOD Stack due to Tariff Order issued by the Commission for state generating stations or by the Central Commission for central generating stations,*

- c) *Impact of change in law in the PPAs as approved by the Commission."*

Thus, MOD rates revision shall be considered only when the above-mentioned conditions prevail.

Also, sometimes revised MOD rates were received to SLDC in the late evening. Some instances are given below:

<b>Month</b>	<b>Date &amp; Time on which revised MOD rates submitted to SLDC</b>	<b>Utility Name</b>
Sept-23	22 Sept-23 (18:09 hrs)	CEPP, MSEDCL
Aug-23	12 Sept-23 (17:32 hrs)	CEPP, MSEDCL
Jun-23	03 Jun-23 (17:32 hrs)	CEPP, MSEDCL

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May-23	13 Jun-23 (18:35 hrs)	CEPP, MSEDCL
Apr-23	24 Apr-23 (18:48 hrs)	CEPP, MSEDCL

***After the discussion with stakeholders, the chairman of OCC directed that after the 15<sup>th</sup> day of month, no revision in the MOD rates will be accepted except the three circumstances mentioned in the clause 33.9 of MEGC-2020. All the buyers in coordination with sellers are requested to follow the timeline and submit the MOD rates by 13<sup>th</sup> day of the month.***

***OCC took a note of the same.***

**Item No. 4.9: Primary Frequency Response test of generating units of Maharashtra:**

As per MEGC 2020, IEGC 5.2 (old) and IEGC 2023 Primary frequency response test to be conducted on all generating units of Maharashtra connected to STU.

**As per Clause 30.6/30.7 of MEGC 2020:**

*"All coal/lignite based thermal generating units of 200 MW and above, Open Cycle Gas Turbine/Combined Cycle generating stations having gas turbines of more than 50 MW each and all hydro units of 25 MW and above operating at or up to 100% of their Maximum Continuous Rating (MCR) shall have the capability of (and shall not in any way be prevented from) instantaneously picking up to 105% (coal), 105 % (OGT/CCGT) and 110% (Hydro) of their MCR, respectively, when the frequency falls suddenly....." ".....The generating station shall not resort to Valve Wide Open (VWO) operation of units whether running on full load or part load, and shall ensure that there is margin available for providing Governor action as primary response....."*

**As per Clause 30.5 of MEGC 2020:**

*"..... Provided that periodic check-ups by third party should be conducted at regular interval **once in two years** through independent agencies selected by SLDC. The cost of such tests shall be recovered from the Generators by the SLDC. If deemed necessary by SLDC, the test may be conducted more than once in two years."*

As per the above regulation, it is responsibilities of generators to carry out primary frequency response test once in two years.

MSLDC, Airoli arranged a workshop on dated **11th Oct'2022** for all Generation Licensees in Maharashtra along with M/s Solvina India private limited for discussion regarding primary frequency response (PFR) test on all generating units connected to STU. All participants of Generation Licensees in Maharashtra were sensitized to conduct the primary frequency response test as per MEGC 2020.

***Sub: Minutes of the 7<sup>th</sup> Operation Co-ordination Committee (OCC) meeting held on 14.02.2024 at 11:30 hrs at MSLDC Kalwa.***

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Accordingly, M/s Solvina has completed Primary Response Test (PFR) on the following units of Maharashtra.

- Tata Power Trombay – 3 Units
- Tata Power Bhira – 6 Units
- Adani – Dahanu – 2 Units
- Adani Tiroda – 5 Units
- JSW Ratnagiri – 4 Units
- JPL Dhule – 1 Unit

It is requested MSPGCL and RIPL to update the status of frequency response test

***In this respect, MSPGCL representative informed that he will convey the status of frequency response test to MSLDC within 2 days and RIPL informed that they already placed the order to the M/s Solvina India private limited and most probably, test shall be carried out in the month of March 2024.***

***OCC took a note of the same.***

**Item No. 4.9: Non-appointment of QCA & its registration with MSLDC for Wind/Solar Generation connected to 33 kV PSS in accordance with the MERC F&S Regulations, 2018:**

In the 5th OCC meeting held on 21.03.2023, the representative of MSEDCL assured that PTC will be issued only after QCA registration by the RE Generators. During the meeting, it was assured that action of disconnection will be initiated against such non-registered RE capacity connected to 33 kV PSS.

For 33 kV Piliv PSS, this office vide e-mail dated 28.09.2022, 13.10.2022, 26.11.2022, 21.03.2023 has requested to take up the issue with the Generator for QCA registration. In spite of such repeated communication from MSLDC, QCA for 33 kV Pilliv PSS is still not registered. Also, it has been observed that for 33 kV Kini PSS, QCA is not registered from more than 3-4 months. Now, on dt.31-01-2024 MSEDCL has conveyed the issuance of open access to the generator connected to 33kV Malkhed PSS. While enquiring, it is observed that the installed capacity is 7.4MW and is not yet registered.

This indicates that the directives issued in the 5th OCC meeting are not being followed scrupulously.

***After deliberations, the chairman of OCC directed to take a follow up regarding the same with the Chief Engineer (RE), MSEDCL and then take a point for discussion in next OCCM.***

***OCC took a note of the same.***

**Item No. 5: Agenda points from TPCL:**

**Item No. 5.1: Scheduled outages / taking equipment in service after outage / tripping:**

- A. Line/Transformer charging code may be given immediately in case of tripping, for early normalization of network.
- B. Scheduled outage of 220kV Trombay – Dharavi 9 was denied due to line outages in AEML System which was having no impact on AEML network.
- C. While taking Line / Transformer in service, information about work carried out is demanded by SLDC on Email. This may be informed on phone to save downtime of equipment under outage.  
In case of SLDC approved outage for the equipment, detailed mail about work to be carried out & maintaining parameters within limit is demanded by SLDC.
- D. There was a delay of @ 30 Min for issuance of code for Bhira 25 MW Unit-4 synchronizing on 12th Jan 2024.

***After the deliberations, the chairman of OCC directed that, as the details of works to be carried out for planned outages is already available with SLDC during application. Only in case of Emergency outage / Tripping of element, while taking Line / Transformer in service, detailed mail needs to be sent stating work carried out during the shutdown.***

***OCC took a note of the same.***

**Item No. 5.2: Non consideration of TPC D contracted wind generation embedded in MSEDCL for DSM Bills**

Since May-23, TPC D contracted wind generation, embedded in MSEDCL is not being considered in DSM Bills. This is impacting TPC-D Commercially. Also, this will lead to multiple revisions in DSM Bills.

TPC-D request to consider the same in DSM Bills.

***With the due deliberations, the chairman of OCC opined that a MSLDC shall call a separate meeting with the Chief Engineer (RE) to discuss this issue in detail before the MSPC meeting.***

***OCC took a note of the same.***

*Sub: Minutes of the 7<sup>th</sup> Operation Co-ordination Committee (OCC) meeting held on 14.02.2024 at 11:30 hrs at MSLDC Kalwa.*

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**Item No. 6: Discussion points during Meeting:**

During the discussion in OCCM, it is noticed that, TPC-G is not a member of OCC.

*The chairman of OCC directed to add the representative of TPC-G as a member of OCC*

The meeting concluded with vote of thanks.

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**Sub: Minutes of the 7<sup>th</sup> Operation Co-ordination Committee (OCC) meeting held on 14.02.2024 at 11:30 hrs at MSLDC Kalwa.**

**ANNEXURE – A.**

7th OCC - Meeting through Hybrid Mode at SLDC Kalwa on dt.14.02.2024						
Sr.No.	Name of the Officers	Designation	Organization	Mobile No.	E-mail ID	Sign
1	Shri. Shashank Jewalikar	ED, MSLDC (I/c)	MSLDC, Kalwa	022-27301931	edmslcbhholding@gmail.com	
2	Shri. Rohidas Mhaske	ED, Tr O&M MSETCL	MSETCL	7447441000	edtrans@mahatransco.in	
3	Shri. Mahesh Bhagwat	CE, MSLDC	MSLDC, Kalwa	9920499062	cesldc@mahasldc.in	
4	Shri. Peeyush Sharma	CE, STU	STU/MSETCL	9769213865	cestu@mahatransco.in	
5	Shri. Girish Pantoji	Superintending Engineer	SLDC, Kalwa	9822414154	seoperationmslhc@gmail.com	
6	S-S. Bhalekar	Chief Engr	Tata power	9220926174	ssbhalke@tatapower.com	
7	V.V. Rane	Head - PP	Tata Power	9029180271	vvrane@tatapower.com	
8	M. L. Gole	Head- PSCC	Tata Power	9820868264	golem1@tatapower.com	
9	Ranjeeet Sawadekar	Asst. VP	AEMI	9324818009	ranjeeet.sawadekar@ademi.com	
10	Vijay Dalli.	VP operations	ADTPS.	VC		
11	Harshal Joshi	Manager (OSTS Dept)	JSW	VC		
12	Vaibhav Sansase	Associate Manager - Transmission	JPTL	VC		
13	Siddharth Varkas		MSPACL	VC		
14	Gopichand Ghodke	EE LM cell, Kalwa	MSEDCL	VC		
15	Pravin Annachatre	SE LM cell, Kalwa	MSEDCL	VC		
16	Ashish Kunal	RIPL, Amravati	RIPL	VC		
17	Govind Chaudhari		ADTPS	VC		
18	Siddharth Varkas		MSPACL	VC		