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. CE/MSLDC/OP/OCC/ No 00822 **Date:** 18 MAY 2023

To,
Members of the OCC as per mailing list.

Sub: Minutes of the 5th Operation Co-ordination Committee (OCC) meeting held on 21.03.2023 at 11:30 hrs through physical & video conferencing mode.

Ref.: 1. MOM Circulated vide MSLDC/TECH/Op/OCC/1598 Dated. 12.09.2022
2. E-mail dtd. 17.01.2023 for agenda request.

Dear Sir/Madam,

In reference to the above subject, the 5th Operation Co-ordination Committee (OCC) meeting was held on 21.03.2023 at 11:30 hrs through physical & video conferencing mode.

The Minutes of the said meeting are attached herewith for ready reference.

Yours sincerely,

Encl: As above.

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

Copy s.w.rs. to:
The Director (Operations), MSETCL, Prakashganga, Mumbai.

Sub: Minutes of the 5th Operation Co-ordination Committee (OCC) meeting held on 21.03.2023 at 11:30 hrs through physical & video conferencing mode.

To,
All OCC members as per list

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	edmsebholding@gmail.com
2	MSETCL	Shri. Rohidas Mhaske	ED, Tr O&M MSETCL	Member	7447441000	edtrans@mahatransco.in
3	SLDC	Shri. Mahesh Bhagwat	CE, MSLDC	Member	9920499062	cesldc@mahasldc.in
4	STU/MSETCL	Shri. Peeyush Sharma	CE, STU	Member	9769213865	cestu@mahatransco.in
5	MSEDCL	Shri Pravin Annachatre	S.E (LM), MSEDCL	Member	9833980238	selmkalwa@gmail.com
6	MSPGCL	Shri E. S. Moze	Dy.CE (Works) MSPGCL	Member	8879770737	cegw@mahagenco.in
7	TPCL	Shri Kiran Desale	Head Transmission TPCL	Member	9223553342	desalekv@tatapower.com
		Shri Milind Gole	Head (PSCC), TPCL	Member	9820868264	pscc@tatapower.com
8	AEML	Shri Shrikant Yeole	Head O&M AEML Transmission	Member	9323552945	shrikant.yeole@adani.com
9	AEML	Shri Abaji Naralkar	AVP, AEML Distribution	Member	9324817526	abaji.naralkar@adani.com
10	ATIL	Shri Abhishek Kukreja	Associate Manager-O&M	Member	6359956492	Abjishek.Kukreja@adani.com
11	MEGPTCL	Shri Rakesh Bhalerao	Associate Manager-Business Development	Member	7045953823	rakesh.bhalerao@adani.com
12	JPTL	Shri Vaibhav D Sansare	Associate Manager-Transmission	Member	9552577122	Vaibhav.sansare@jsw.in
13	APTCL	Shri Rajiv Nimje	AGM, APTCL	Member	9422308883	Rajiv.nimje@rattanindia.com
14	VIPL	VIPL Respresentative		Member		
15	JSWEL	Shri Harshal Joshi	Manager (OSTS Dept,JSW)	Member	9552577131	harshal.joshi@jsw.in

16	ADTPS	Shri Vijay Dalli	VP-Operations ADTPS	Member	9325119741	Vijay.Dali@adani.com
17	RIPL	Shri Amit Panchalwar	DGM, RIPL	Member	9503229333	amit.panchalwar@rattanindia.com
18	APML, Tiroda	Shri Manoj Taunk	Associate VP-Protection & Metering	Member	9099005517	Manoj.Taunk@adani.com
		Shri Akshay Mathur		Member	9870663062	Akkshayv.Mathur@adani.com
19	SWPGL Wardha.	Shri Dinesh B Mewade	DGM, SWPGL	Member	7387007010	Dinesh.m@saiwardha.com
		Shri Prabhjit Singh Samra	GM (BDG – Operations), SWPGL	Member	9177025554	Dbg_operatios@saiwardha.com
20	M/s Fermi Solar Farms Pvt. Ltd.	Shri. Rajesh Dwivedi		Member (Solar)		rajesh.dwivedi@avaada.com
21	M/s D. J. Malpani	Sagar Durgavale		Member (Wind)	9020336559	sagar@malpani.com
22	SLDC	Shri Madhav Pande	SE(OP), MSLDC (I/c)	Member-Convener	9833608212	seoperationmsldc@gmail.com

Sub: Minutes of the 5th Operation Co-ordination Committee (OCC) meeting held on 21.03.2023 at 11:30 hrs through physical & video conferencing mode.

Minutes of the 5th Operation Co-ordination Committee (OCC) meeting held on 21st March 2023 at 11:30 Hrs. through physical & video conferencing mode.

In accordance with the provisions of the MEGC, 2020, the Grid Co-ordination Committee (GCC) in its 2nd meeting held on dated 08.01.2021 has constituted the Operational Co-ordination Committee (OCC). Accordingly, meetings including additional meeting of OCC have been convened as per requirement and schedule. Further, 4th meeting was convened on 29.08.2022 through video conferencing. The Minutes of the meeting were circulated to all the members vide letter No. 1598 dated 12.09.2022.

The 5th meeting of the OCC, was convened on 21.03.2023 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 various procedures entrusted under MEGC, 2020, resolving Operational issues etc. He further stated that almost all the operational issues will be discussed in the OCC forum so that issues can be resolved for smooth & secure grid operations.

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:

1. **Item No. 1: Confirmation of Minutes of Meeting of the 4th OCC Meeting convened on 29.08.2022:**

   - The Member Convenor informed that on dated 12.09.2022, the MoM of the 4th OCC Meeting have been shared to 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.

2. **Item No. 2: Maharashtra system Grid performance & System Disturbance in the Maharashtra Network for the period from Oct'2022 to Dec'2022:**

and

3. **Item no: 3: Status of completion of ongoing schemes in Maharashtra & Mumbai:**

The Superintending Engineer (Operation), MSLDC, briefed the OCC through a detailed presentation on the Item Nos. 2 &3. He informed that with the implementation of revised DSM regulations at Central level on 05th Dec' 2022, large violations in frequency have been observed as the DSM is de-linked from frequency. The percentage of time blocks when frequency remained within band of 49.95 to 50.03 Hz reduced to below 70 %. Now Hon'ble CERC has issued interim order and linked the DSM to frequency and hence, the frequency violations have reduced & some improvement is seen.

The Head (PSCC), TPC, informed that the reactor at 220 kV Salsette was kept in service and was withdrawn in March-2023 when voltage drop was observed. With reactor at Salsette in service, the voltage profile is on lower side. Also, the reactive power flow towards 220 kV Kalwa has been reduced by around 125 MVAr. The Superintending Engineer (Operation), MSLDC, informed that the status of this reactor is not visible at MSLDC. In this respect, the Chairman of the OCC, requested TPCL to provide the status of Salsette reactor at MSLDC, Airoli. He further, requested the Superintending Engineer (SCADA), MSLDC, to develop separate display having status of all the reactors in the State for ready reference to the Control Room Operator in real time.

The Head (Trans O&M), AEML, informed that they are operating 125 MVAr at 220 kV Gorai in a voltage band of 218 kV to 236 kV. However, it would be appropriate that MSLDC to issue instructions to operate this reactor. Detailed deliberations were held on the said point and all the members opined that it would be difficult for MSLDC to issue instructions for operation of this reactor in real time considering large network size, hence, AEML can operate the Reactor based on grid voltage and intimate the details of reactor operation to MSLDC in real time.

The Chairman of the OCC opined that with ensuing summer season, the requirement of reactors is not likely to be there, however, the availability of reactors will be needed during monsoon season. Hence, MSLDC will call a separate meeting with MSETCL for reviewing commissioning of the planned reactors, especially at Kalwa & Kharghar. He further requested MSLDC to study the reactive power requirements at 220 kV Kalwa post commissioning of Salsette reactor and check the ICT taps @ Kalwa.

After due deliberations, OCC took note of the presentation made by MSLDC on various operational parameters and opinion/directives of the Chairman of the OCC.

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

4.1. Item No. 4.1: Status of making Kalwa Nodal centre operational for co-ordination of Tripping/Load Shedding information issued by MSLDC:

The Chief Engineer (MSLDC) informed that GCC has already directed the Executive Director (Operation), MSETCL, to operationalize the Kalwa Nodal centre. Further, the Chairman & Managing Director (MSETCL), during the visit at MSLDC, has also directed to operationalize all the nodal centres in the State for the ease of communication with MSLDC.

In this respect, the Executive Director (Operation), MSETCL, has informed that the issue has been taken up with the MSETCL HR department and the matter will be expedited.

The Chairman of the OCC requested the Executive Director (Operation), MSETCL, to issue instructions to all the Zones of MSETCL to operationalize nodal centres by making local arrangements as an interim arrangement considering ensuing Summer peak demand season. The Executive Director (Operation), MSETCL, concurred with the same and assured that the appropriate instructions will be issued on priority.

OCC took note of the same.

4.2. Item No. 4.2: Status of State Transmission Schemes:

The Chairman of OCC enquired whether monitoring the status of all Transmission schemes which are part of STU plan is the responsibility of OCC or MTC. The Chief Engineer (MSLDC), informed that as per MEGC, 2020, the MTC is responsible for monitoring the status of various transmission schemes proposed in the STU five-year plan. He also informed that based on the operational constraints observed during real time grid operations, MSLDC has identified the transmission schemes proposed in the STU five-year plan which will be beneficial for reducing/removal of the constraints. Considering this the Chairman OCC opined that, the OCC can focus on the review of transmissions schemes planned removal of operational constraints and operational issues raised by SLDC or the OCC forum. Thus, all the members accepted opinion of the Chairman of OCC that the OCC shall focus on monitoring and review the schemes planned for removal of transmission constraints and operational issues mainly.

The Chief Engineer (STU) informed that the status of such schemes has been submitted to MSLDC on 21.03.2023, however, expected date/year of commissioning is not available, which will be submitted at later stage.

Thus, the Chairman of OCC requested the Chief Engineer (MSLDC) to prepare the list of transmission constraints and operational issues followed by the transmission schemes proposed in the STU plan or other remedial actions and submit the same to the Chief Engineer (STU) for updating the status of execution of these schemes.

From the next OCC meeting, status of such schemes will be monitored. If any of the constraints or operational issue is not getting addressed; OCC may discuss the probable remedial measures to resolve the constraint.

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

4.3. Item No. 4.3: Status of implementation of LTS schemes on 400 kV Talegaon-Kalwa/ Kharghar & 400 kV Padghe-Kalwa D/C lines:

The Superintending Engineer (Operation), MSLDC informed that in accordance with the recommendations by various committees constituted in respect to partial grid failure in MMR & Mumbai on 12.10.2020, a group was formed to study various LTS schemes on 400 kV lines feeding power to Mumbai & MMR area. The report of the said group has been accepted by GCC and the PCM-WRPC has accorded approval for implementation of the LTS scheme on the said 400 kV lines. Considering ensuing summer peak demand in the MMR & Mumbai area and for stable grid operations, commissioning of the LTS schemes is necessary.

The Superintending Engineer, PAC, Vashi, MSETCL informed that the detailed scheme has been designed. The Scheme for Procurement of various relays, panels etc. required in dynamic LTS is in progress. However, loads in Mumbai area are categorized in three types viz. P1, P2 & P3. Hence, while extending signals under LTS for loads in Mumbai, stage-wise loads segregation is required.

The Chairman of OCC emphasized on necessity of implementation action at a faster pace and directed the Superintending Engineer, PAC, Vashi, MSETCL to have a meeting with AEML, TPC on Friday (24.03.2023) for the coordinated actions needed for implementation.

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

4.4. Item No. 4.4: Preparation of Load Curtailment Plan and its implementation in real time:

The Superintending Engineer (Operation), MSLDC, informed that as per the Regulation No. 28.2 of the MEGC, 2020, MSLDC has formulated procedure for Load Curtailment which has been implemented in the State after ratification by GCC. In accordance with the said procedure & Regulation No. 39.3 of the MEGC, 2020, all the Distribution Licensees are responsible for submission of load curtailment procedure to MSLDC which will be implemented in the State under any contingencies. In this respect, the Mumbai Distribution Licensees have already submitted list of priority-wise feeders to MSLDC, however, details from MSEDCL are not yet received. Considering ensuing summer peak demand period, it is necessary to have demand curtailment procedure of all the Discoms ready to avoid any insecure, unstable grid operations.

In this respect, the Chairman of OCC requested the Superintending Engineer (LM Cell), MSEDCL to submit the procedure which can be implemented in the State under contingencies. The Superintending Engineer (LM Cell), MSEDCL assured that the load curtailment plan will be submitted to MSLDC within one week.

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

4.5. Item No. 4.5: Transmission constraints resulting in to demand curtailment:

The Superintending Engineer (Operation), MSLDC, informed that due to overloading of 220 kV Babhaleshwar-Nashik D/C, 220 kV Dhule – Malegaon, 220 kV Jejuri-Lonand lines, LTS is operating on regular basis resulting in to load shedding. Further, as intimated by MSPGCL, due to high reactive power requirement in Nashik area, the active power injection from Nashik Generating units is reducing.

In this respect, the Executive Director (Operation), MSETCL informed that the conductor replacement work of 220 kV Dhule-Malegaon is in progress and once the conductor is replaced by HTLS conductor, the constraint will be removed.

The Chairman of OCC enquired the Superintending Engineer (LM Cell), MSEDCL, whether it is possible to divert any load in Nashik ring main to other EHV sub-stations or is there any possibility to regulate the AG load in the said pocket. In this respect, the Superintending Engineer (LM Cell), MSEDCL, informed that as per the 8 hour supply policy to AG loads, it is not possible to regulate AG loads in the Nashik area. Further, the possibility of diverting loads of Nashik ring main to any other EHV Sub-station can be explored jointly through MSLDCL & MSETCL local field officials.

In this respect, it was decided that MSETCL, MSEDCL will jointly carry out discussions and explore this option. Also, in view of the reactive power requirements affecting the active power generation from Nashik Generating units STU along with MSLDC will study the reactive power requirement in Nashik region. ED (SLDC) also pointed out that heavy reactive power requirements are seen in the networks around 400 kV Lonikand and Jejuri. Inadequate compensation in transmission and distribution in these region has affected the voltage profiles, hence STU is requested to study the reactive needs and in these regions and initiate implementation action.

With due deliberations, OCC took a note of opinion/request of the Chairman of OCC.

4.6. Item No. 4.6: Delayed submission of PPA/Open Access details for Wind & Solar Generators:

The Executive Engineer (REMC-Operation) I/c, MSLDC, briefed the existing provisions of the regulations/procedure towards mapping of commercial information of each WTG/Solar PV at MSLDC and scheduling activities. He further informed that the process of collection of data & mapping of contracts in REMC System has been streamlined by around 90%. However, issues have been observed in respect to Open Access approvals issued by MSEDCL. He informed that for the month of Feb-2023, revised list was submitted by MSEDCL on 31.01.2023 at 11:45 pm. Thus, mapping of updated contracts in REMC was delayed thereby erroneous scheduling for the 01.02.2023. This error was passed on to the erroneous calculation of MSEDCL availability for 01.02.2023. The said issue has been consistently observed for each month in the past.

The Superintending Engineer (Commercial), MSEDCL, informed that as per the directives of Hon'ble MERC, Open Access applications are not rejected for the want of any document. In this respect, the Chairman of OCC enquired about how past dated open

access is issued even if document is submitted at later date, thus, MSEDCL needs to issue open access permission from the date on which permission is being issued.

The Superintending Engineer (Commercial), MSEDCL, informed that they are in the process of communicating the issue with Hon'ble MERC regarding delay in submission of documents by the Open Access applicants and the issues faced by MSLDC will be incorporated in the said letter. He further assured that they will adhere to the timelines and submit the updated list by 27th of each month and submit timely updated information of LTOA/MTOA permissions to MSLDC for mapping in REMC System to avoid errors in scheduling.

With due deliberations, OCC took a note of assurance provided by MSEDCL.

4.7. Item No. 4.7: Non-registration of newly commissioned 33 kV PSS:

The Executive Engineer (REMC-Operation) I/c, MSLDC, informed that RE capacity of 5 MW & above is covered under the RE F&S regulations. Hence, it is necessary to get said capacity registered at MSLDC through QCA prior to commissioning. Prior to the implementation of the RE F&S Regulations, MSLDC, vide letter No. MSLDC/TECH/MSEDCL/REMC/1156 dated 11.06.2019 & MSETCL/DIR(OP)/CO/MSLDC/04792 dated 28.06.2019 has informed MSEDCL to ensure registration of all the 33 kV PSS having RE installed capacity of 5 MW & above with MSLDC through QCA.

It was observed that 33 kV Malumbra PSS (7 MW Solar) was not registered even after commissioning. Hence, MSLDC, vide letter no. MSLDC/TECH/OP/REMC/01062 dated 14.06.2022 has requested the Chief Engineer (RE), MSEDCL, to ensure QCA registration at MSLDC prior to commissioning of generation.

It has been observed that 33 kV Piliv PSS having installed capacity of 5 MW Solar generation is commissioned without appointment of QCA & registration with MSLDC. This is the non-compliance of the provisions of the MERC RE F&S Regulations. The fact has been intimated to MSEDCL through e-mails dated 28.09.2022, 13.10.2022 & 21.10.2022, however, no registration has been initiated in this respect.

The Superintending Engineer (RE), MSEDCL, informed that they have taken up the said issue and PTC (Permission to Commission) will be issued by MSEDCL only if QCA registration process is completed by the Generator. Further, communication will be made with the RE generators connected to unregistered 33 kV PSS for registration and action of disconnection will be initiated if not registered with MSLDC.

With due deliberations, OCC took a note of assurance provided by MSEDCL.

4.8. Item No. 4.8: Non-visibility of RE Generators at MSLDC:

The Executive Engineer (REMC-Operation)I/c, MSLDC, informed that during analysis of last 2 years, it has been observed that the error of RE forecasts & schedules is in the range of 10-15 %. However, considering time horizon, this error is expected to be reduced further. In this regard, discussions have been made with the Forecasting agencies. It has been observed that important aspect for non-improvement of RE forecast

is the poor visibility of RE generation. Thus, for further improvement of RE Forecasting and for better grid operations, complete visibility of RE Generation is utmost important. In view of the same, MSLDC is submitting list of RE generators having poor/zero visibility at MSLDC on fortnightly basis to MSEDCL since last 3-4 years. Further, MSEDCL having maximum contracted capacity and nodal agency for issuance of Open Access or NoC, action from MSEDCL is envisaged. However, compliance in this matter is not yet received from MSEDCL.

The Superintending Engineer (RE), MSEDCL, informed that they are acting on the list provided by MSLDC and the payment of such RE Generator is kept on hold till the visibility is not established.

The Chairman of OCC enquired about the reasons for non-availability of visibility & whether all RE PSS are integrated with MSLDC SCADA system. The Superintending Engineer (SCADA), MSLDC informed that synchronization permission is not issued to new RE PSS until real time visibility at MSLDC is established. Further, all the RE PSS are integrated with MSLDC SCADA system. The major issue of non-availability of real time generation is due to issues in communication links.

The Chairman of OCC requested the Superintending Engineer (SCADA), MSLDC, to study various types of communication links and identify specific type of communication so that MSLDC, through STU can make efforts to bring in uniformity and reliability in communication service provisioning by RE Generators. He further requested the Superintending Engineer (RE), MSEDCL, to share the communications made with defaulting RE Generators wherein action of holding payment is taken.

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

4.9. Item No. 4.9: Compliance of the CEA (Technical Standards for Connectivity to the Grid) Regulations, 2019:

The Executive Engineer (REMC-Operation) I/c, MSLDC, informed that the CEA (Technical Standards for Connectivity to the Grid) Regulations, 2019 have been notified in the Country. In accordance with the said regulations, compliance is required from RE Generators. To discuss & resolve various issues observed for compliance of these regulations, a Working Group (WG) comprising of members from CEA, CTU, POSOCO & SECI was constituted under the Chairmanship of the Member (GO&D), CEA. The said working group has submitted report in July, 2022 and the said report has been implemented w.e.f. Nov'2022. The WG has discussed with RE Developers, OEMs & study agencies prior to finalization of the report. As per the WG report, CTU in co-ordination with RLDC is going to monitor & review the compliance. Hence, similar process i.e. STU in co-ordination with MSLDC need to be formulated in the State.

Detailed discussions were held in the meeting. The Chief Engineer (STU) requested the Chief Engineer (MSLDC), to give letter in the said matter so that appropriate conditions can be added in the STU's Grid Connectivity & STU's Final Grid Connectivity Letter.

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

5. Item No. 5: Agenda points from MSEDCL:

5.1. Item No. 5.1: Missing SCADA data of Railway:

The Superintending Engineer (LM Cell), MSEDCL informed that MSEDCL's demand is being calculated by subtracting demand of other buyers from total generation. Hence for MSEDCL the drawl data of other utilities are also important for real time scheduling. After extreme follow-up with railway and SCADA team @300MW is being displayed out of 400MW. 100 % Demand data of Railways is visible at Railway Control Room. Hence, it is necessary to discuss further plan of action to cover 100% railway's data.

In this respect, the Chairman of OCC directed the Superintending Engineer (SCADA), MSLDC, to call a meeting with Railway officials along with the Superintending Engineer (LM Cell), MSEDCL to resolve the issue on priority.

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

5.2. Item No. 5.2: Centralized MoD operation to control under-drawl:

In case of over drawl, centralised MoD operation is working fine and correctly. While operating centralised MOD during the Under drawl, it was observed that certain bugs in schedules were issued by the scheduling software. This issue was taken up with PWC.

SLDC informed that the issue of operation of centralised MOD during under drawl case will be corrected at the earliest with the support from PWC. In the meantime, during under drawl if required, centralised MOD operation will be carried out manually.

SLDC will demonstrate MSEDCL, the operation of centralized MOD through scheduling software. It can be planned accordingly & will be done in this week.

5.3. Item No. 5.3: Action to increase accuracy of REMC schedule:

The Superintending Engineer (LM Cell), MSEDCL informed that schedules in REMC are on higher side than actual and difference in terms of MW is considerable. Hence, it is necessary to increase accuracy & matter need to be discussed with QCA. Also, it is necessary to reduce the error band for RE.

The Chairman of OCC opined that the matter of changing error band is regulatory issue. Further, RE-DSM WG has also suggested to review the error band. Hence, the issue of RE accuracy & necessity of review of error band may be taken up at MSPC level for further ratification.

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

5.4. Item No. 5.4: Integration of SEM data with SCADA:

The Superintending Engineer (LM Cell), MSEDCL informed that many a times there is CS drawl difference between MSETCL and WRLDC ends (more than +/- 100 MW). The System is being operated in real time considering WRLDC end data as correct one. However, many times huge gap noted between real time UI and DSR/WRPC Bill UI.

Other states are working on integration of SEM data with SCADA. If we integrate all CTU-STU interconnection and generation stations points then our demand scheduling in real time will be much accurate. Hence, any plan for Maharashtra in this respect need to be discussed.

In this respect the Chairman of OCC informed that the issue is under consideration of MSETCL and a POC will be carried when VSAT communication is provisioned at all interface locations.

5.5. Item No. 5.5: Progress Status of SCADA points:

The Superintending Engineer (LM Cell), MSEDCL informed that as per order 114 of 2020, Hon'ble MERC instructed STU to cover T<>D points of MSEDCL in SCADA. Hence, progress thereof need to be discussed.

It was informed that, a scheme for installation of IEDs at remaining MSETCL substations is approved by MSETCL board and is sent for PSDF and MERC approval. Post that these locations will be integrated in MSETCL SCADA system.

5.6. Item No. 5.6: Sharing of AMR data in real time:

The Superintending Engineer (LM Cell), MSEDCL informed that to increase accuracy during intra-day working, sharing of AMR data was requested by MSEDCL. Hon'ble CMD, MSEDCL has written letter Hon'ble CMD, MSETCL on dated 03.10.2022.

The Chairman of OCC informed that this matter is already discussed during DSM meetings and replied at different forums & can be taken up in MSPC for further discussion if needed.

5.7. Item No. 5.7: Upper /Lower limit setting in DSM software:

The Superintending Engineer (LM Cell), MSEDCL informed that to avoid extreme error there should be upper and lower limit to the parameters being uploaded by entities. Such event due to human error can result in dangerous state for the system.

In this respect, the Superintending Engineer (Operation) MSLDC, informed that the development for addition of such upper & lower limits in the software is in progress. Further, these limits will be user-based as shared by discoms and the same will be incorporated in the scheduling software accordingly.

The Chairman of OCC opined that it is the responsibility of the person of any entity to validate the data prior to punching. Hence, utmost care should be taken by the officers which are punching data in the Scheduling software of MSLDC till such development takes place and even after that.

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

5.8. Item No. 5.8: RE DSM bill not available on sites:

The Superintending Engineer (LM Cell), MSEDCL informed that RE DSM bills are not available on MSLDC Website. In this respect, the Superintending Engineer (EA), MSLDC informed that the bills are uploaded on MSLDC Website and the same were verified during the meeting.

The Chairman of OCC opined that such points could have been rectified with mutual discussions and need not wait OCC forum. Hence, any such issues should be resolved with mutual discussions.

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

5.9. Item No. 5.9: Over-Injection by Mahagenco:

The Superintending Engineer (LM Cell), MSEDCL informed that during night hours there is considerable over-injection by Mahagenco-stations on regular basis. This over injection during low demand is resulting in to under drawl by the State. Hence, MSPGCL is requested to adhere to the schedules and avoid over-injection.

MSPGCL representative informed that there is problem of frequent zigzag scheduling to their thermal generators which impacts on efficiency & wear & tear of generators. Hence there are chances of over injection to manage zigzag schedules.

The Chairman of OCC opined that MSPGCL should adhered to the schedules so that LGB is maintained properly.

Item No. 5.10: High Response time of Koyna stage-3:

The Superintending Engineer (LM Cell), MSEDCL informed that to manage peak load full capacity hydro generation required however response time of Koyna stage-3 is high.

The Superintending Engineer (Operation), MSLDC concurred the comment of the Superintending Engineer (LM Cell), MSEDCL and informed that due to high response time of Koyna St-3, it becomes difficult to manage deviations at State Periphery efficiently. Hence, MSPGCL need to reduce the high response time taken for picking koyna St-3.

MSPGCL representative informed that some modifications in one machine carried out for fast response. The same will be carried out for other machines in next 2-3 months.

5.10. Item No. 5.11: Post facto changes in the schedule of DSM Software:

The Superintending Engineer (LM Cell), MSEDCL informed that on dt 28/12/2022 there was wrong posting of cogen for block no 34 & 35 from MSEDCL end. This mistake is observed in revision no 12 but from revision no 15 the schedule data has been overwritten. Such post facto changes should not happen in DSM software, otherwise, it could not be possible to trace changes made at the back end of DSM software.

In this respect, the Superintending Engineer (Operation), MSLDC informed that on the said date, to correct the error in order to avoid erroneous generation back down, MSLDC revised these schedules. However, necessary steps have been taken to avoid such revision for post-facto period in future. In this respect, it is to highlight that due to such restrictions, corrections would not be made at least for 4 time blocks & there will be commercial impact on the State as well as on the grid due to erroneous dispatch schedules being issued by the System to generators.

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

6. Item No. 6: Any other point with the permission of Chair:

6.1. Item No. 6.1: High Reactive Power flow from Dahanu TPS units:

The Vice President, ADTPS, informed that the high reactive power requirement in Boisar area is impacting high reactive power injection from ADTPS units thereby reducing the active power generation. During the meeting held on 08.06.2022, the Executive Director (MSLDC), has directed STU, AEML, MSEDCL to jointly study the reactive power requirement in Boisar area. He further requested the Chief Engineer, Kalyan, MSEDCL to check the power factor of all the major loads in Boisar area and correct the issue.

The Chief Engineer (MSLDC), informed that as per the Capability Curve of ADTPS units, the reactive power injection is within limits. Hence, reduction if active power for injecting high reactive power should not be required. In this respect, the VP, ADTPS, informed that as per the suggestions of OEM, to avoid vibrations in the turbine, it is necessary to reduce reactive power. Further, the OEM has suggested revision in the Capability curve.

The Chairman on OCC opined that if the reactive power injection is within capability curve, then there should not be any issue of reduction in active power. However, study of reactive power requirement needs to be assessed. Further, the ADTPS is requested to submit the communication made by the OEM for reducing the capability curve and thus reactive power injection/absorption limits.

The Chairman on OCC requested the Chief Engineer (STU) to carry out joint study with STU, MSEDCL, MSETCL, AEML & MSLDC for reactive power requirement in Boisar area.

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

The meeting concluded with vote of thanks.

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Sub: Minutes of the 5th Operation Co-ordination Committee (OCC) meeting held on 21.03.2023 at 11:30 hrs through physical & video conferencing mode.

ANNEXURE – A.

List of Participants:

Sr. No.	Name of Organization	Name of Nominee	Designation	Committee constituent
1	SLDC	Shri Shashank Jewalikar	ED, MSLDC (I/c)	Chairperson
2	MSETCL	Shri. Rohidas Mhaske	ED, Tr O&M MSETCL	Member
3	SLDC	Shri. Mahesh Bhagwat	CE, MSLDC	Member
4	STU/MSETCL	Shri. Peeyush Sharma	CE, STU	Member
5	MSEDCL	Shri Gopichand Ghodke	S.E (LM), MSEDCL (I/c)	Member
6	MSPGCL	Shri E. S. Moze	Dy CE (Works) MSPGCL	Member
7	TPCL	Shri Kiran Desale	Head Transmission TPCL	Member
		Shri Milind Gole	Head (PSCC), TPCL	Member
8	AEML	Shri Shrikant Yeole	Head O&M AEML Transmission	Member
9	ATIL	Shri Abhishek Kukreja	Associate Manager-O&M	Member
10	JPTL	Shri Vaibhav D Sansare	Associate Manager-Transmission	Member
11	ADTPS	Shri Vijay Dalli	VP-Operations ADTPS	Member
12	RIPL	Shri Amit Panchalwar	DGM, RIPL	Member
13	APML, Tiroda	Shri Manoj Taunk	Associate VP-Protection & Metering	Member
14	SLDC	Shri Madhav Pande	SE(OP) I/c	Member-Convener
15	SLDC	Shri. Sachin Lomate	EE (REMC-OP) I/c	---