Email

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आजादी का अमृत महोत्सव

No.07-05/RPC-38/ 1724 Jabalpur, dtd: 15.09.22

To

As per Distribution List

Sub: Mock Exercise for MP Grid Operation from Backup SLDC, Bhopal as a part of Disaster Preparedness Drill.

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As a part of Disaster Preparedness, the operation of MP State Grid from the Backup State Load Despatch Centre, Bhopal is planned on 21st Sep 2022 from 09.00 Hrs to 16.00 Hrs. During Mock Drill, monitoring & control of State Grid including all the scheduling activities shall be performed by the engineers posted at Sub LDC, Bhopal. The detailed Operating Procedure along with the contact numbers for real time operation / coordination in the morning shift of 21st Sep 2022 is enclosed for further needful please.

Encl: as above.

Chief Engineer
SLDC, MPPTCL, Jabalpur

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PROCEDURE FOR DISASTER MANAGEMENT DRILL FOR SYSTEM OPERATION FROM BACKUP SLDC, BHOPAL

System Operation is one of the everlasting activities required to be performed. During happening of any disaster event, restoration of power supply is urgent and essential requirement. Logistic support systems are provided to manage such situations; however, the effectiveness use of support systems depends on evaluation of preparedness of the system operation team and functional availability of logistic support system. In order to ensure the preparedness for achieving the overall objectives of continuance power supply and system operation in case of untoward conditions, a drill exercise for real testing of system operation from the backup resources obviously bears prime importance. In view of above and as per the guidelines from CERT-In, the Disaster Management Drills are to be carried out a regular basis to ensure the preparedness of Backup LDC in case of any untoward conditions. Accordingly, SLDC has planned to carry out the Disaster Management Drill on 21st Sep 2022 & the procedure for carrying out Disaster Management Drill Exercise is detailed hereunder: -

Pre-requisites -

The healthiness of logistic support systems such as SCADA system, Wide Band communication system, UPS / Backup power supply system, ABT,OA & MIS System, IT and Voice communication facilities, Voice recording system, printing and display facilities etc. shall be verified in advance and in case of any technical problem it shall be ensured that all the functionalities are made available by 21st Sep 2022.

System Operation Team -

During Mock Drill, monitoring & control of State Grid including all the scheduling, shutdowns, Open Access etc. all real time activities shall be performed by the engineers posted at Sub LDC, Bhopal. Executive Engineer, Sub LDC, Bhopal Shri Awadhesh Choubey shall act as Shift Incharge of SLDC at Backup SLDC during the Mock Drill period.

Sr. No.	Name	Designation	Phone No.
1.	Shri Awadhesh Choubey	Executive Engineer	9425804989

The contact numbers for real-time operation / coordination in the Morning shift of 21st Sep 2022 shall be as under:

1. SLDC Email ID : sldcmpjbp@gmail.com , sldcmpjbp@yahoo.com
2. Back up SLDC Control Room VOIP : 27551303 / 04 / 06
3. Back up SLDC Control Room Landline (P&T) : 0755-2985307
4. Back up SLDC Control Room Mobile : 9425806399

However, a team of engineers from SLDC, Jabalpur shall be available at Backup SLDC, Bhopal for supervising the activities and also extend support to the Shift Engineers of Backup SLDC if required in performing any activity of grid operation. A team of following engineers conversant with system operation activities is being deputed to Backup SLDC, Bhopal for 21st Sep 2022 for Mock Drill -

Sr. No.	Name	Designation	Phone No.
1.	Shri S.K. Mehta	Executive Engineer	9425805017
2.	Shri Rajiv Kumar	Assistant Engineer	9425804659
3.	Shri Aminur Rahman	Junior Engineer	9425803579

Switch over of SLDC, Jabalpur system operation to Backup SLDC, Bhopal- (08:50 hrs to 09:00hrs)

1. Status of all servers shall be checked and point out main and standby server so as to ensure fast action in case of any contingency. It shall be ensured that all reports are accessed in operating console at Back up SLDC. The correctness shall be checked with reports of main SLDC.

2. RTU communication and ICCP links (ICCP link between Back up SLDC to sub-LDC Indore, Back up SLDC to Back up WRLDC) shall be checked and ensured that all are available at back up SLDC.

3. Availability of scheduling system shall be checked for healthy working condition. It should be ensured, that data base is in sync between Main SLDC and Back up SLDC.

4. MP system overview Display shall be opened on concerned work station at Back up SLDC.

5. System overview, Demand & Frequency trends shall be displayed on Delta LED, VPS screen.

6. sldcmpindia.com website shall be opened on concerned web page.

The activities to be carried out by Backup SLDC, Bhopal during Disaster management drill:- (09:00 to 16:00 hrs)

1. During disaster management drill operation the dedicated team of back up SLDC Bhopal shall perform MP Grid Management keeping load generation balance of the state in such a manner that MP should not deviate from their schedule beyond the specified limit as per Deviation settlement mechanism.

2. As per practice in vogue Back up SLDC shall prepare the anticipated Power position report, on the basis of forecasted availability from different sources, Demand forecast submitted by MP Discoms and shortage/surplus.

3. Based on the shortage / surplus MPPMCL shall plan for Banking (Advance Banking and return Banking), Purchase/ Sale of power in advance / day head basis or same day (Contingency).

4. Back up SLDC Bhopal shall issue a unique code for shutdown / normalisation of transmission elements of 132 KV and above during drill operation, the team shall ensure needed co-ordination with WRLDC team as per requirement. The backup SLDC Bhopal shall also issue the code to the generating station for synchronisation and stopping of the unit as well as Scheduling and Despatch reactive power support from Generator as per standard procedure of system operation.

5. The backup SLDC Bhopal shall execute the scheduling process covers Day ahead scheduling, Real Time Revisions and Implemented Schedule as per operating procedure. It is mentioned that the time lines for scheduling activities shall be as per MPERC (Balancing and Settlement Code) 2009 and Real Time schedule revisions are applicable from 4th time block.

6. VIOLATION MESSAGES: The WRLDC issues message to interstate entities whenever there is violation of grid code. Similarly in line with SLDC, Jabalpur, back up SLDC shall also issue similar messages to Intra State entities if felt so necessary. The remedial action shall be ensured consequent upon receipt of any violation message from WRLDC.

7. Reactive power management: - Switchable Shunt Reactors shall be switched off during high voltage condition. The generating units shall be advised to contribute in voltage regulation by operating their units in under-excited mode (absorb Reactive Power) within the capability curve. These directives are important looking prevailing system condition of high voltage during off peak load

8. The reliability and security of EHV elements shall be ensured during planned/forced outage of EHV elements. The necessary arrangement shall be ensured for contingency condition of grid as

per requirement. As per practice in vogue , the tripping /breakdown of EHV element shall be handled and the arrangement shall be made for reporting flash report as per standard guidelines.

9. The snap shots during drill operation shall be taken for Network summary and all associated operational events.

10. During disaster management operation the system operator on duty at Back up SLDC shall ensure close co-ordination with all important nodes, WRLDC, Sub-SLDC , GCC, MPPMCL Control room, DCCs.

11. Short term open access:- As per standard procedure , the scheduling of STOA shall be carried out along with other associated work.

12. The daily report covering all glimpses of system operation shall be prepared.

Restoration of functionality from Backup SLDC Bhopal to SLDC, Jabalpur-

(16:00 hrs to 16:10 hrs)

On completion of Mock Drill, the system operation activities from Backup SLDC, Bhopal shall be transferred to SLDC, Jabalpur. A brief report of disaster management drill operation shall also be prepared and experience shall be shared with all concerned.

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Distribution List-

1. The Managing Director, M.P. Power Management Co. Ltd., Jabalpur.
2. The Managing Director, M.P. Power Transmission Co. Ltd., Jabalpur.
3. The Managing Director, M.P. Power Generating Co. Ltd., Jabalpur.
4. The Managing Director, M.P. Poorv Kshetra Vidyut Vitaran Co. Ltd., Jabalpur.
5. The Managing Director, M.P. Paschim Kshetra Vidyut Vitaran Co. Ltd., Indore.
6. The Managing Director, M.P. Madhya Kshetra Vidyut Vitaran Co. Ltd., Bhopal.
7. The Officer on Special Duty, Govt. of MP, Energy Deptt., Vallabh Bhawan, Bhopal.
8. MPPMCL, Bhopal Office
9. The Member Secretary, WRPC, F-3, MIDC Area, Andheri (East), Mumbai-400093.
10. The Executive Director, WRLDC, F-3, MIDC Area, Andheri (East), Mumbai-400093.
11. IPPs - (Jaypee Bina, Jaypee Nigree, SASAN, MB Power, Jhabua, BLA, Essar, Lanco)
12. NHDC (ISP, OSP)
13. IEX, PX
14. ED(O&M:Gen), MPPGCL, CE(O&M:Hydel)
15. CE(T&C)/(EHT:Constn.)/(EHT:M&I)
16. CGM(PM), MPPMCL
17. GCC, DCCs, MPPMCL CR
18. All SE(T&C)
19. SLDC- Maharashtra, Gujarat, Chhattisgarh, Goa
20. Sub LDC, MPPTCL, Indore/Bhopal
21. Shift Incharge, SLDC, Jabalpur