

STATE LOAD DESPATCH CENTER

AGENDA FOR 69th MEETING Of State Level Co-ordination Forum

Date: 06/06/2023

Venue:SLDC

ITEM No:1. CONFIRMATION OF THE MINUTES OF 68thSLCF MEETING HELD ON 09.12.2022.

The minutes were circulated vide memo no: SLDC/How/109/2022-23/837(1-26) dated 23/12/2022.

---- Members may please discuss.

ITEM No: 2.REVIEW OF STATE GRID PERFORMANCE:

Power point presentation on grid performance for the month of February-23, March-23 and April-23.

---- Members may please note.

ITEM No: 3. IMPORTANT GRID INCIDENTS:

S I No	Date	Element tripped	Details	Normalization/Load loss
1	23.05 .23	At SUBHASGR AM 220Kv substation at 02.36 hrs,220Kv all feeder/element connected with Main Bus-2 got tripped with bus bar protection operated alongwith Lakhikantapur D/C,lead to no power at total south 24 pargana.	Bus bar protection operated in all feeder/element except 220Kv Lakhikantapur-S'grm#2,relay indications as follows:- LKP=Started Ph BCN,Tripped PhBCN,Z1,26.02KM,Ib-1.412KA,Ic-425.8A SGRM=M1-ActGr1,Start PhC, O/C, I>1 TripElementNO,Ic-428A;M2-ActGr1,StartPhBN,TripPhBN,Z1,385KM Ib-29.43A,Ic-20.59A	Load Loss=308 MW From 02.36 hrs to 02.52 hrs.

WBSETCL representative may deliberate.				
2	23.05 .23	132Kv Behala-Renia D/C & 132Kv Kasba-Snpr#1 got tripped during shutdown of LKP-SGRM D/C	Behala-Renia#1=Behala- C-N,Z2,6.399KM Renia- CN,62.75KM,3.847KA,4.819KA(IDI FF) Behala-Renia#2=Behala-Line differential. Kasba-Snpr#1=Kasba- Z1,CPH,6.94KM,8.8KA Snpr- Z1,BCN,4.54KM,1.22KA,3.65KA	Maximum Load of 24-Pargana(South) interrupted due to these tripping.
WBSETCL representative may deliberate.				
3	20.03 .23	132 KV N.Town AA III - KLC - AA I circuittripped at 17:53 hrs from AA-I end only. The said line didn't trip at N.Town AA- III end. On charging the said circuit from AA - I end at 18:03 hrs it didn't hold. Moreover 132 KV N.Town AA-III to N.Town AA-I direct circuit also tripped leading to no power condition at N.Town AA-I & Slk GIS	NewtownAAIII-AAI (via KLC) relay indications:- Newtown AAI- FACIA-DIST PRTCEN OPTD,CARR SEND,SOTF OPTD/REL 670-GENERAL TRIP,Z1,SOTF,RPH,Y-PH/MICOM RELAY-ACT GR 2,Z1,STRT PH ABN,TRIP PH ABC,SOTF TOR TRIP,1.49KM,Ia-12.72A,Ib- 6.399A,Ic510.8mA NewtownAAIII- ACT GR 2,Z1,O/C I>1,STARTED PH B-N,TRIP PH ABC,7.622KM,Ia-0,Ib- 7.924KA,Ic-657.4A NewtownAAIII-AAI (Direct) relay indications:- NewtownAAI- FACIA-DIST PRTCEN OPTD,CARR SEND,SOTF OPTD/REL 670-GENERAL TRIP,Z1,SOTF,RPH,Y-PH/MICOM RELAY-ACT GR 2,Z1,STRT PH ABN,TRIP PH ABC,SOTF TOR TRIP,1.49KM,Ia-12.72A,Ib- 6.399A,Ic510.8mA NewtownAAIII- ACT GR 1,Z1,O/C I>1,STARTED PH C,TRIP PH ABC,11.63KM(100%),Ia-491.4 A,Ib-302A,Ic657.4A	Load loss of 42 MW approx. at N.Town AA-I & 26 MW approx. at Slk GIS from 18:03 hrs. 132 KV N.Town AA III - AA I direct circuit was normalized at 18:14 hrs and all load at AA- I &Slk GIS was restored subsequently. AAIII- KLC - AAI circuit remained under breakdown as R phase jumper was found open at T/L 16. The said circuit was restored and loaded at 23:20 hrs.

ITEM No: 4. OPERATIONAL PLANNING:

(a) ANTICIPATED POWER SUPPLY POSITION FOR THE MONTH OF JUNE-23, JULY-23 AND AUGUST-23.

[All concerned are requested to furnish anticipated demand and generation forecast for these months to SLDC]

(b) SETTLEMENT OF SHUT DOWN PROPOSALS FOR THE MONTH OF JUNE-23, JULY-23 AND AUGUST-23. i.r.o GENERATING UNITS, TRANSMISSION LINES AND OTHER EQUIPMENTS.

[All concerned are requested to furnish their shut down proposals for these months to SLDC]

ITEM No: 5. AGENDA NOTES PUT UP BY SLCF MEMBERS FOR DISCUSSION:

5.1. Agenda note put up by BKTPP

1. As per OCC approved shutdown, IBT #1 was scheduled on 13.05.2023, 21.05.2023. But it was not given. Please ensure the tentative shutdown date.
2. Is there any scope of checking daily, monthly & yearly sent out data new SAMAST meters? If yes then provide details.
3. Please discuss Newly installed WEB based scheduling in details (e.g The “Reason” dropdown should have more real time option like LSD, DC changes etc & “Revision” field seems to be inactive etc).

5.2. Agenda note put up by BTPS

1. 132 KV Liluah #2 ckt is tripping frequently and more over in above Liluah #2 ckt far end ckt breaker is not tripping every time. We request for thorough checking of Liluah #2 ckt so that fault does not affect power equipment at BTPS.
2. Summation of DC capacity in Samast Meter DC entry portal is wrong. On Bar /off Bar DC is not clear to us. Need proper clarification /Manual for future DC entry operation.
3. Meter reading for all feeders for a day does not come in BTPS samast meter Laptop after 00:00 hrs .Reading of many feeders comes even after 4-5 hrs causing delay in calculation of sent out data which is necessary for our record keeping purpose.
4. Relays of all 132 KV feeders connected to BTPS(12 Nos) need replacement as soon as possible. Therefore S/D may be allowed as per requirement of BTPS.

5.3. Agenda note put up by STPS

1. We require shutdown of below mentioned 220 KV & 132 KV elements for testing purpose as per CBM Guidelines.

SL. NO.	BAY NAME	NAME OF EQUIPMENT'S	REQUEST DATE FOR SHUTDOWN	TIME SPAN
01.	220 KV ASANSOL FEEDER	CT, CVT	07.07.2023	09:00 Hrs. To 16:00 Hrs.
02.	220 KV JK NAGAR FEEDER	CT	12.07.2023	09:00 Hrs. To 16:00 Hrs.
03.	220 KV HURA FEEDER	CT	17.07.2023	09:00 Hrs. To 16:00 Hrs.
04.	220 KV BISHNUPUR FEEDER	CT	21.07.2023	09:00 Hrs. To 16:00 Hrs.
05.	220 KV CHANDIL FEEDER	CT	26.07.2023	09:00 Hrs. To 16:00 Hrs.
06.	TIE TRF # 1	220 KV SIDE CT & 132KV SIDE CT	28.07.2023	09:00 Hrs. To 16:00 Hrs.
07.	TIE TRF # 2	220 KV SIDE CT & 132KV SIDE CT	31.07.2023	09:00 Hrs. To 16:00 Hrs.
08.	220 KV BUS TIE BAY	BREAKER, CT	05.07.2023	09:00 Hrs. To 16:00 Hrs.
09.	220 KV BCBT BAY	BREAKER, CT	10.07.2023	09:00 Hrs. To 16:00 Hrs.
10.	132 KV BJD # 1 & 2 BAY	CT	14.07.2023	09:00 Hrs. To 16:00 Hrs.
11.	132 KV BJD BAY	BREAKER	14.07.2023	09:00 Hrs. To 16:00 Hrs.
12.	132 KV BJD # 1 BAY	TRANSFORMER	19.07.2023	09:00 Hrs. To 16:00 Hrs.
13.	132 KV BJD # 2 BAY	TRANSFORMER	24.07.2023	09:00 Hrs. To 16:00 Hrs.

2. On 16.05.2023 an email regarding SLDC REV No. 03 has been received at 04=27 Hrs. (Block No. 18) & asked for a load ramp up from 319 MW to 346 MW in Block No. 19. Though all adequate measures had been taken but as the time span was quite short, STPS AG was less than SG for said block. So, you are requested to modify SG equal to AG for the said Block (No. 19).

5.4 Agenda note put up by KTPS

1. KTHP 132 KV BUS Shutdown:

Sl NO	Location	Date and Time	Nature of S/D	Job Description	Remarks
1	West side of	From	Continuous	1. Dismantling of Bus	1. During the

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	Bus Coupler (Tamluk Side)	08/06/2023 at 08:00Hrs To 15/06/2023 at 17:00Hrs	Basis	Post Insulators and Jumpers. 2. EHV cable Pulling and Clamping. 3. Cable jointing tent and platform preparation. 4. 03 no's dry type 132KV cable termination. 5. Testing (IR, SHEATH Testing & HV Testing) 6. Normalization and charging.	Shutdown period, the East Side of Bus Coupler (Kolaghat Side) will remain in service. 2. Bus Tie bay is available after and before 02 hours switching (S/D) OFF and ON (Charging) the S/D bus section(West Side)
2	East Side of Bus Coupler (Kolaghat Side)	From 16/06/2023 at 08:00Hrs To 23/06/2023 at 17:00Hrs	Continuous Basis	1. Dismantling of Bus Post Insulators and Jumpers. 2. EHV cable Pulling and Clamping. 3. Cable jointing tent and platform preparation. 4. 03 no's dry type 132KV cable termination. 5. Testing (IR, SHEATH Testing HV Testing) 6. Bus-Bar differential circuit testing by simulation at secondary side (Keeping Busbar differential Protection out of service condition). 6. Normalization and charging	1. During Shutdown period, the West side of Bus Coupler (Tamluk Side) will remain in service. 2. Bus Tie bay is available after and before 02 hours switching (S/D) OFF and ON (Charging) the S/D bus section(East Side)

2. Agenda for Wave trap dismantling:

The carrier protection had already been transferred to Digital Tele-Protection Coupler (DPC) and Speech & RTU shifted to SDH/PDH (OPGW). WBSETCL Communication, Howrah has confirmed that the wave traps installed in the KTPS 220kV/132kV switchyard may be dismantled.

With reference to mail received from Howrah Communication dtd. 12.04.2023, the details of carrier protection channel installed at KTPS which are furnished below:

220 kv Transmission line		
sl no	Name of the transmission line	Channel-1
1	KTPS-Howrah 220_1 & 2	DTPC
2	KTPS-Haldia 220_1 & 2	DTPC

132 kv Transmission line		
sl no	Name of the transmission line	Channel-1
1	KTPS-Tamluk 132_1 & 2	DTPC
2	KTPS-Kolaghat 132_1 & 2	DTPC
3	KTPS-Bagnan 132_1 & 2	NIL

5.5. Agenda note put up by SLDC

1. Poor coal stock of state generating stns leading to congestion in state transmission system as well as leading difficulties for DISCOMs to manage power portfolio during highest loading hours.

(WBPDCL & DPL Members may please deliberate).

2. A detail procedure needs to be framed for online OPGW work to avoid any accidental hazards.

[WBSETCL Members may please opine].

3. In recent past U/F stage 1 operated only in 132 kV Gangarampur sub-stn (at NBU, Uluberia, LKP, Kakdwip it didn't operate) on 15.05.23 at 11.52 hrs. On detail review on the matter following are proposed.

- At least once in a year testing for healthiness of U/F relays is proposed.
- With changing of 33 kV feeder sources and with change of loading a detail review of intra state u/f relay scheme is proposed.
- Switching status of U/F relays can be changed either through email from SLDC (In case of any immediate need/emergency) or through note sheet approval or preplanned ones.

(WBSETCL Members may please update).

4. Review of Islanding Schemes installed in BKTPP, BTPS is felt needed.

[WBSETCL Members may please opine].

5. MVAR performance of State generating stations review and MVAR data mismatch issue of 400Kv DGP-PARULIA D/C & 400KV SGTPP-PARULIA D/C seems to be resolved to reasonable extent after detail discussion in 200th OCC meeting followed by some fruitful steps.

[WBPDCCL Members may please update].

6. A critical analysis of the situation arose on 18.04.2023 when all time highest load of the state resulted is necessary to combat similar situations in future.

(WBSLDC Members may please deliberate).

7. A detail discussion is invited on system restoration procedure and to minimise communication gap between transmission utilities, generating stations with SLDC in real time during system restoration and to highlight some bottlenecks faced in recent past.

(WBSLDC, WBSETCL & DPL Members may please discuss]

8. Introduction of maintaining system log with hourly data in erstwhile DPL Substns is felt extremely needed to get data to plan short term and medium term measures against congestion.

[WBSETCL Members may please deliberate].

9. Following status may please be updated:-

- a. Changing of CT at N.town AAIL i.r.o 220Kv NEWTOWN- RAJARHAT(PG) D/C.
- b. Changing of CT at Rishra end i.r.o 220 Kv RISHRA-NEW CHANDITALA ckt. SLDC feels required to change the CT as early as possible.

[WBSETCL Members may please update].

10. It has been observed that the Main & Check meters i.r.o. 132KV Asansol-CPL DC at Asansol end are not properly Time synchronised. In this regard a letter vide. Memo No: SLDC/HOW/92C/2023-24/5(i) dated 04.04.23 had been issued to Asansol 220KV SS by SLDC. It has been gathered that CPL has taken up the matter of Time Synchronisation with M/s SECURE METERS. Latest update may please be shared.

[Members may please update].

11. Updated status of SAMAST Project.

(WBSLDC Members may please deliberate)].

ITEM No: 6. Date and venue of next SLCF (i.e.70TH) Meeting.

ITEM No: 7. MISCELLANEOUS:

Copy for information please:-

1. The Secretary, WBERC,
2. PS to Managing Director, WBSETCL, Vidyut Bhavan, Kolkata-91.
3. PS to Managing Director, DPL, Kolkata -107.
4. PS to Director (Operations), WBSETCL, Vidyut Bhavan, Kolkata-91.
5. PS to Director (RT), WBSEDCL, Vidyut Bhavan, Kolkata-91.
6. PS to Executive Director (OS), WBPDC, Salt Lake City, Kolkata-700 098.
7. C.E, SLDC, WBSETCL, Howrah-09.
8. C.E, Transmission-I, WBSETCL, Vidyut Bhavan, Kol-91.
9. C.E, Transmission-II, WBSETCL, Vidyut Bhavan, Kol-91.
10. C.E, CTD, WBSETCL, AbhiksanBhavan, Kol-91.
11. C.E, Communication, WBSETCL, AbhiksanBhavan, Kol-91.
12. C.E, CPD, WBSETCL, Vidyut Bhavan, Kol-91.
13. Chief Engineer, CLD, DVC, Howrah.
14. C.E.(PTP) WBSEDCL, Vidyut Bhavan, Kolkata-91.
15. G.M , (SO) CESC Ltd., CESC House, Kol- 01.
16. G.M. BTPS, WBPDC.
17. G.M. STPS, WBPDC.
18. G.M. KTPP, WBPDC.
19. G.M. BKTPP, WBPDC.
20. G.M. SGTPP, WBPDC.
21. Sri I. B. Chakraborty, Vice-President, Engineering & Projects, IPCL
22. Addl. Chief Engineer, SLDC, WBSETCL, Howrah-09.
23. Addl. Chief Engineer, Communication (Howrah), WBSETCL, Howrah-09.
24. Addl. Chief Engineer, ALDC, WBSEDCL.
25. Sri A. Sen Gupta, GM, System Operations, CESC Ltd, CESC House, Kol- 01.
26. Sri S. K. Sarkar, G.S.(T&D, Load Management), DPSC Ltd.
27. Sri R. Biswas, Sr. Manager, ALDC, DPL.
28. Sri Goutam Bose, Sr. Manager & HOD (Operation), KTPP WBPDC,
29. Sri Indrajit Banerjee, Manager (Operation), KTPP WBPDC.
30. Sri D. Chanda, Sr. Manager (PS), BKTPP, WBPDC.
31. Mr. Joynal Abedin, Sr. Manager (E.O.), BKTPP, WBPDC.
32. Sri K. Banerjee, DGM, System Operations, CESC Ltd, CESC House, Kol- 01.
33. Sri A. Biswas, Manager (PS), BKTPP, WBPDC.
34. Sri F. Hossain, Manager (PS), SGTPP, WBPDC.
35. Sri M.S. Bapari, Manager (PS), SGTPP, WBPDC.
36. Sri M. Mallik, Sr. Manager, (System Operation – Electrical), BTPS, WBPDC.
37. Sri S. Maiti, Sr. Manager (O), STPS, WBPDC.