

STATE LOAD DESPATCH CENTER

AGENDA FOR 57th MEETING Of State Level Co-ordination Forum

Date: 12/03/2019

Venue:SLDC

ITEM No:1.CONFIRMATION OF THE MINUTES OF 56thSLCF MEETING HELD ON 21.12.2018.

The minutes was circulated vide memo no: **SLDC/How/109/2018-19/1224** dated 10/01/2019 and the same was also published in the website (www.wbslde.in).

---- Members may please discuss.

ITEM No: 2. REVIEW OF STATE GRID PERFORMANCE:

Power point presentation on grid performance for the month of December-18 and January-19.

---- Members may please note.

ITEM No. 3. IMPORTANT GRID INCIDENTS:

1. On 10.12.2018 at 11:24 hrs, at 220 KV Kasba S/S: 220 KV bus fault occurred and 220 KV Barasat–Kasba D/Ckt and 220 KV Kasba-Subhasgram D/Ckt tripped from remote end resulting total power failure at Kasba 220 KV S/S.

--- WBSETCL representative may please deliberate.

2. On 29/12/2018 at 13:00 hrs, at KTHP: 02 nos. (315 MVA) IBT and 03 nos. (160 MVA) Auto Transformers along with Unit#2 tripped and power failed at 132 KV bus of KTHP.

--- WBPDC representative may please deliberate.

ITEM No: 4. OPERATIONAL PLANNING.

- (a) **ANTICIPATED POWER SUPPLY POSITION FOR THE MONTH OF APRIL, MAY AND JUNE 2019.**

[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 APRIL, MAY AND JUNE 2019 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. ISSUES RAISED BY SLDC:

- A. VAR absorption by WBPDC generator during lean hours at high system voltage.
- B. For implementation of Automated Meter reading (AMR) system in line with implementation of SAMAST within the State of West Bengal, communication channel will be required for on line transmission of meter data to WBSLDC. All constituents were requested to confirm regarding required communication path/access of the communication channel for successful functioning of AMR system. Till now no confirmation has been received. All constituents are requested to respond at the earliest.
- C. CESC has to integrate data of 33kv feeders at SLDC SCADA to verify load of 33kv feeders and AUFLS operation. Monthly report has to be furnished regarding UFR load mapping.

ITEM No: 6. AGENDA NOTE PUT UP BY SLCF MEMBERS FOR DISCUSSION:

6.1. Agenda note put up by WBSLDC

- A. Irregularity in current schedule uploading in SLDC website. In the forthcoming regime of DSM, Amendment-IV Regulation 2018 such irregularity may cause additional financial burden on the constituent.
- B. At present power positions prepared for 03.00,06.00,09.00,10.30,12.00,15.00,18.00/19.00 & 22.00hrs are based on the instantaneous value of interstate tie drawl collected from site & 15 minutes average value of other drawl & generation data. So, the system calculation of WBSLDC command area cannot be made accurately because of such dichotomy in data value consideration. Hence, to make it accurate, 15min average data of tie lines is also required during power position calculation. It is to be noted that, during day ahead LGBR planning for market participation, those positional data are considered as reference to determine the demand trend.
The above agenda has been repeated for further discussion.
- C. Due to time synchronization problem among the inter-state ABT meters & between SCADA & ABT meters, WBSLDC is incurring substantial financial loss through DSM.
In support of above the Annexure-I may be referred.
- D. The state VAR charges in respect of the following tie lines are increasing remarkably due to their low line loading during lean period. So, some operational measure is required to explore for curbing such uptrend of VAR charge.
(The lean period line load data may be reproduced if required by house.)

6.2. Agenda note put up by SgTPP

- A. Commercial energy meters of SgTPP are not time synchronized, hence the 'count of sign change violations' are not at per with ABT system of SgTPP. ABT system of SgTPP is time synchronized with GPS, and therefore we demand to arrange synchronization of commercial energy meter with GPS for actual billing purpose.
- B. Provide revision update time stamp at WBSLDC website.

6.3. Agenda note put up by BkTPP

1. Auto-Refresh of SLDC site

As SLDC is not bound to intimate Revision by email or phone, Auto-Refresh should be incorporated for Current Schedule at <http://www.wbseb.gov.in/schedule/current> site with notification sound. It is quiet unfeasible for Generators to refresh manually every few seconds. In the new era of CERC DSM Regulations 2018, unintentional deviation/violation by generators/state is bound to happen without above auto- refresh.

2. Time stamping of Current schedule in SLDC site

Sometimes, it is noticed that a revised schedule is uploaded in site with already elapsed Time of Origin (TOO). Generators get little time to match the SG incurring financial loss as well as Grid is compromised. Incorporation of time stamping of Current schedule in SLDC site is required to eradicate any confusion.

3. Zigzag type SG by ALDC

ALDC is giving Zigzag SG to BkTPP particularly in Night shift without any convincing logic [PI. Refer our emails on 27th, 28th January, 2nd, 7th, 9th, 11th, 26thFebruary and 1st March, 2019. The SG1 from Bk 8 to 20 of 27th Jan-19 is shown below for reference]. This Zigzag SG is hard to comply technically and it is only destabilizing the Grid. ALDC may please be refrained from such scheduling.

Block No	8	9	10	11	12	13	14	15	16-19	20
SG1 (MW)	460	550	590	545	455	419	419	464	522	567

4. Stringent ramp up/down during back down and unit synchronization

a) Sometimes during backdown period, it has been observed that only 01 MW backdown is given in 1st block and then 60/90 MW enhancement asked from second block which is not practical and unstable for the units also. (e.g Stg.-2SG on 19/02/2019 was 395-384-324 MW from Block no. 11 to Block no.-13 respectively.) This steep ramp up/down during back down may please be avoided.

b) On 26/02/2019 Unit-4 was synchronized with the grid at 17:11 hr (Block-69). DC (Stg-2) was increased by SLDC from 190 to 280 MW in block no.72 and SG2 was 140-155-185-280 MW from block no.69 to block no.72. Due to the steep increase of SG2@95 MW from Block-71 to 72 over injection in 71stBlock and under injection in 72ndBlock could not be avoided. This steep ramp up during unit synchronization may please be avoided

Block	68	69	70	71	72	73
DC2 given by SLDC	190	190	190	190	280	280
SG2 given by SLDC	140	140	155	185	280	280
Deviation by BkTPP	2.43	-11.00	7.52	13.47	-39.84	8.31

5. Tariff meter GPS time-synchronization:

Tariff meter (Secure make APEX 100 Meter at BkTPP) may please be time- synchronized with GPS at regular interval by WBSETCL to avoid unintentional sign- change violation.

6.Decommissioning of WBSETCL's 220KV/33 KV Pass bay inside BkTPP Sw.Yard

The CE Transmission (O & M- II) had confirmed the matter & very soon the said transformer will be decommissioned [Sl. No-6.2 B of page-8 of 56th SLCF minute]. The expected time frame may please be shared with us by WBSETCL so that we can explore the vacated yard and control space for our upcoming FGD power supply.

7.O&M of WBSETCL's 220KV/33 KV PASS BAY inside BkTPP Sw. Yard

It was deliberated in the last SLCF meeting [Sl. No-6.2 C of page-8 of 56th SLCF minute] that the matter (following troubles) was informed to ABB & ABB will visit on **28.12.18**. But M/s ABB has not turned up till date. WBSETCL is requested to rectify these troubles at the earliest.

- a) 220kv Line Side isolator has become inoperative from Control Panel
- b) Digital Current Display meter (Y PHASE) of 220KV/33 KV PASS BAY (HV SIDE, LV SIDE) showing erratic value since MAY 2018 in Control Panel .
- c) 189L isolator indication is showing OPEN in Control Panel while it is actually CLOSE.
- d) 89TL isolator is OPEN but indication is showing both OPEN and CLOSE in Control Panel.
- e) Routine checking of 50MVA,220/33kv PASS Bay Transformer installed at BkTPP.

8.NEW DSM RELATED ISSUES

a)Sign change in –Ve direction during SG at Minimum Technical Limit:

–Ve Deviation to avoid sign-change violation is not feasible when SG is at Minimum Technical limit (MTL). As for example, on 10th February, SG of BkTPP from Block 58 to 68 (eleven blocks at a stretch) was 419 MW and 279 MW for stage 1 and stage-2 respectively which are the MTL for respective stages. In this situation, we were forced to reduce AG less than MTL at 60th and 66th Block to comply new DSM rule. This had been very much harmful for our units. Amendment may please be initiated to CERC by competent zonal authority so that during MTL operation, the sign change rule remain void.

b)Sign change in +Ve direction after unit tripping

Subsequent to Unit tripping, +Ve deviation to avoid sign-change violation is not feasible for the next four (04) Blocks. Amendment may please be initiated to CERC by competent zonal authority in this regard.

c)Double penalty: There may be a situation when Generators will either be penalized for Sign change Violation or Over injection in over frequency/under injection in under frequency. As for example, suppose any power station is in continuous six block in +ve deviation during prolonged under frequency. Now in the 7th Block, even if the frequency is below 49.85 Hz, generator has to under inject to comply Sign change rule. Amendment may please be proposed to CERC so that during frequency<49.85 Hz and >50.05 Hz, the sign change rule remain void.

d) Rescheduling from 2nd Block: Sometimes, due to poor coal we are compelled to under inject and initiate a Revision. But this revision will be effective from 6th Block. As a result we shall fall to Sign Change violation

6.4. Agenda note put up by BTPS

A. BTPS Unit#5 tripped five (5) times in last one and half months, owing to very high turbine shaft vibration, though root cause is yet to be identified. From day to day operating parameters, it has been observed that, the tripping are occurring at around 155 to 165 MW Unit #5 load. OEM (Original Equipment Manufacturer) has been contacted and they are expected to visit the plant very soon. Meanwhile BTPS competent authority is requesting you to avoid backing down i.r.o. Unit#5 for the time being.

ITEM No: 7. Date and venue of next SLCF (i.e. 58th) Meeting.

ITEM No: 8. MISCELLANEOUS:

Copy for information please:-

1. The Secretary, WBERC,FD-415A, PouraBhavan, 3rd Floor, Bidhannagar, Kolkata-700 106
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. Chief Engineer, CLD, DVC, Howrah.
13. C.E.(PTP) WBSEDCL, Vidyut Bhavan, Kolkata-91.
14. G.M, (SO) CESC Ltd., Statesman House, Kol- 01.
15. G.M. BTPS, WBPDC.
16. G.M. STPS, WBPDC.
17. G.M. KTPP, WBPDC.
18. G.M. BKTPP, WBPDC.
19. G.M. SGTPP, WBPDC.
20. Sri I. B. Chakraborty, Vice-President, Engineering & Projects, IPCL
21. Addl. Chief Engineer, SLDC,WBSETCL, Howrah-09.
22. Addl. Chief Engineer, Communication (Howrah),WBSETCL, Howrah-09.
23. Addl. Chief Engineer, ALDC,WBSEDCL.
24. Sri P. Gupta, DGM, WBPDC.
25. Sri A. Sen Gupta, DGM, System Control Department, 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. JoynalAbedin, Sr.Manager(E.O.), BKTPP, WBPDC.
32. Sri K. Banerjee, Manager, System Control Department, 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.