

MINUTES OF THE 54th SLCF MEETING HELD ON 18.04.2018

Shri. P. K. Kundu, Chief Engineer (SLDC), WBSETCL & Chairperson, SLCF welcomed all the participant members to the 54th SLCF meeting.

ITEM-1: CONFIRMATION OF THE MINUTES OF THE 53rd SLCF MEETING HELD ON 30/01/2018.

The minutes were circulated vide memo no: **SLDC/How/109/1628** dated 16/02/2018 and the same was also published in the website (www.wbsldc.in).

The minutes of the 53rd SLCF meeting was taken as accepted.

ITEM-2: REVIEW OF THE STATE GRID PERFORMANCE:

Power point presentation on Grid Performance for the month of January-18 February-18 and March-18.

Divisional Engineer, SLDC made a Power point presentation on the grid performance based on operational statistics for the period January-18 February-18 and March-18. A critical analysis on the grid performance reveals the following:

- 2.1 Availability of WBPDC power plants in terms of *NAPAF & *PAFM for the month of January-18 February-18 and March-18 are as follows:

Generating Station.	January 2018		February 2018		March 2018	
	NAPAF (%)	PAFM (%)	NAPAF (%)	PAFM (%)	NAPAF (%)	PAFM (%)
<i>BTPS</i>	74	45.22	74	57.55	74	56.56
<i>STPS</i>	85	101.14	85	101.54	85	96.82
<i>KTPS</i>	75	44.40	75	52.94	75	57.74
<i>BkTPP-I</i>	85	74.87	85	83.56	85	99.41
<i>BkTPP-II</i>	85	102.27	85	102.02	85	99.84
<i>SgTPP-I</i>	85	40.85	85	25.14	85	62.36
<i>SgTPP-II</i>	85	46.25	85	62.71	85	49.35

* **NAPAF**: Normative Annual Plant Availability Factor (in %).

***PAFM** : Plant Availability Factor achieved during the Month (in %).

2.2 Potential Demand of WBSEDCL in MU.

Month	Potential Demand	Remarks
January 2017	2545.42	0.71% Fall
January 2018	2527.37	
February 2017	2507.74	2.55% Rise
February 2018	2571.57	
March 2017	3009.44	13.16% Rise
March 2018	3404.67	

2.3 Gross Generation of WBPDC (in MU) during January, February & March 2018

January 2018	February 2018	March 2018
2027.74	2038.18	2442.85

2.4 System met and system Potential of distribution licensees during January, February & March 2018 were as follows:

CONSTITUENT	January 2018		February 2018		March 2018	
	System Met (MU)	System Potential (MU)	System Met (MU)	System Potential (MU)	System Met (MU)	System Potential (MU)
WBSEDCL (OWN)	2520.26	2527.37	2562.28	2571.57	3393.50	3404.67
CESC	707.97	707.97	703.18	703.18	957.72	957.72
DPL	173.62	173.71	159.73	160.28	177.08	177.30
West Bengal	3450.35	3457.54	3469.95	3479.79	4576.26	4587.66

2.5 The Maximum demand (potential) and their time of occurrence during January, February & March 2018 was as follows:

CONSTITUENT	January 2018	February 2018	March 2018
WBSEDCL (OWN)	4927MW on 31.01.18 at 18.00 hrs	5314MW on 27.02.18 at 19.00 hrs	6339MW on 28.03.18 at 20.00 hrs

CESC	1338 MW, on 04.01.18 at 18.00 hrs	1560 MW, on 27.02.18 at 18.00 hrs	1731 MW, on 29.03.18 at 19.00 hrs
DPL	268 MW, on 30.01.18 at 19.00 hrs	265MW, on 26.02.18 at 19.00 hrs	270 MW, on 07.03.18 at 21.00 hrs. & on 08.03.18 at 19.00 hrs
West Bengal	6552 MW, on 31.01.18 at 18.00 hrs	7193 MW, on 27.02.18 at 19.00 hrs	8332 MW, on 28.03.18 at 19.00 hrs

The new Transformers, EHT lines and equipments commissioned during this period were also deliberated by D.E, SLDC. (List of new Transformers, EHT lines & equipments are shown in Annexure-1).

ITEM No. 3. IMPORTANT GRID INCIDENTS:

1. CESC got islanded on 13.03.2018.

--- CESC representative may please deliberate.

Deliberation in the meeting.

On this issue, CESC representative informed that on 13.03.18 at 15:59hrs CESC got islanded from Kasba point due to tripping of 132 KV BC-1 along with 132 KV Patuli fdr. (which was in loop) at EMSS. The event occurred when 220 KV Subhasgram(TCL) - Subhasgram(PG) Ckt #2 tripped (R-ph, Zone-I) at both end bursting out of its R-ph LA at 400 KV Subhasgram (PGCIL) end. CESC representative also informed that their Directional O/C relay i.r.o B/C –I operated at 165 ms though its setting was at 150 ms.

The house advised both WBSETCL and CESC to review the protection setting so as to avoid recurrence of the incident.

2. 132 KV Bus fault occurred at 220 KV Midnapur Sub-stn. at 06.25 hrs on 15.03.2018.

--- WBSETCL representative may please deliberate.

Deliberation in the meeting.

On 15.03.18 at 06:25hrs, at 220 KV Midnapur s/s Zone-A (R-Ph) Bus Bar Differential of 132 KV System operated. All 132 KV CB connected to 132 KV Main Bus(Single Bus) tripped through 96 Relay resulting no power in the 132 KV as well as 33 KV System. The system normalized at 6.41 hrs.

After inspection no abnormality was detected physically.

3. 132 KV Bus fault occurred at 132 KV Liluah Sub-stn. at 17.05 hrs. on 03.03.2018.

--- WBSETCL representative may please deliberate.

Deliberation in the meeting.

On 03.03.18 at 17:05hrs, at 132 KV Liluah S/S fire hazard occurred i.r.o 20 MVA Traction Transformer #2. Due to fire hazard Jack bus i.r.o Tracttion Tr. #2 melted and fell down on Main bus beneath causing Bus fault.

Load-shedding : 80 MW in WBSEDCL system and 100 MW at CESC system.

4. Total power failure at Amtala, Najirpur, Domkal at 19.34 hrs on 04/04/18.

--- WBSETCL representative may please deliberate.

Deliberation in the meeting.

WBSETCL representative informed that before the incident Amtala S/S was on Debgram source. During shifting of the source of Amtala from Debogram to Baharampore S/S on 04/04/18 at 19:34 hrs, only 132 KV Baharampur-Amtala ckt #2 made on and Debogram source was made switched off. Therefore, full load of Amtala, Nazirpur and Domkal (>500 Amp.) caused tripping of Baharampur-Amtata Ckt #2 due to over current.

ITEM No. : 4. OPERATIONAL PLANNING:-

**(a) Anticipated power supply position for the month of MAY, JUNE & JULY 2018
(All figures are in MW) :-**

Description	MAY -2018	JUNE -2018	JULY -2018
WBPDC Generation	3125	3100	3100
WBSEDCL Own Maximum Demand	5580	5900	5710
CESC Maximum Demand	2180	2220	1850
CESC Own gen. + HEL + IPP/CPP	830+540+40=1410	830+540+40=1410	765+540+40=1345
DPL Generation Availability	430	430	430
DPL Maximum Demand	285	285	275
IPCL demand connected to J.K.Nagar system	72	72	72

(b) Finalization of Shut Down proposal for the month MAY, JUNE & JULY 2018 i.r.o. Generating Units, Transmission Lines and other equipments etc. as provided by constituents.

(i) SHUT DOWN APPROVED FOR WBPDC, WBSEDCL, CESC and OTHER GENERATING UNITS:

UNIT	DURATION	REMARKS
KTPS # 2	From 01.06.2018 to 09.06.2018	Boiler license Renewal
KTPP #5	From 15.06.2018 for 60 days	ESP retrofitting, Boiler Overhauling.
BkTPP # 5	From 01.06.2018 to 20.06.2018	Boiler Overhauling
BkTPP # 4	From 11.07.2018 to 20.07.2018	Boiler license Renewal
SgTPP # 1	From 01.07.2018 to 09.07.2018	Boiler license Renewal
SgTPP # 2	From 25.07.2018 for 35 days	BTG
DPL unit #7	From 15.07.2018 for 45 days	Annual Overhauling

ITEM No: 5. ISSUES RAISED BY SLDC:

A. Unit back down of BkTPP Unit #1 due to low system demand.

Deliberation in the meeting:

On this issue the representative from BkTPP expressed that as the unit has vibration problem, therefore, they are avoiding de-synchronization of the unit as it may lead problems in further synchronization of the unit#1.

However, the house advised BkTPP/WBPDCL representatives to take steps towards the rectification of the vibration problem.

B. Uploading of Event Logger/DR recorder in ERPC PDMS server by CTD in case of WBSETCL S/S and by Power Plants in case of WBPDCL plants.

Deliberation in the meeting:

WBSLDC representative requested CTD, WBSETCL and WBPDCL power plants for uploading concerned Event Logger/DR in ERPC PDMS server. On this issue representative from CTD informed that due to lack of information of uploading the DR from WBPDCL end, when they

are uploading DR for same event, different ID is being generated. Therefore, ERPC is treating the one event as two different events.

Therefore, after discussion the house advised CTD and WBPDCCL generating stations to make communication with each other after uploading Event Logger.

C. Injection of reactive power by units at low voltage / absorption during high voltage.

Deliberation in the meeting:

WBSLDC representative requested all generating stations for injection of reactive power by units at low voltage / absorption during high voltage.

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

6.1. Agenda note put up by BkTPP

A. It was observed on 02.04.2018 that unit 5 was desynchronized at 00:17 hrs dated 02.04.18 due to low system demand and synchronized at 11:18 hrs dated 02.04.18. It is very harmful for unit health.

So it is requested to schedule shut down for a longer period of time as unit back down as and when required.

Deliberation in the meeting:

On this issue, WBALDC representative expressed that as the system demand is dependent on the several parameters such as weather, therefore, shutdown period can't be defined beforehand.

B. During shut down process of a unit due to low system demand 95% rule of ABT system does not allow us to shutdown of unit early even we are capable .

So it will be better to ignore 95 % rule of ABT system during shut down process of a unit due to low system demand.

Deliberation in the meeting:

On this issue, WBSLDC representative informed that above mentioned rule is a regulatory framework. Hence, it can't be ignored. BkTPP representative was requested to maintain the schedule.

C. Most of the time SLDC website is not available.

Deliberation in the meeting:

On this issue, WBSLDC representative have accepted frequent unavailability of their Website and said that constant persuasion with the vendor responsible for maintenance of the website will be done.

- D. In the 53rd SLCF meeting held on 31.01.2018, WBPDCCL informed that the 220kV/33kV, 50MVA PASS Transformer bay is no more necessary since 220kV/132/33 KV Sadaipur Substation is commissioned successfully from April 2017. If that bay is necessary, then 220kV side separate CVT may be installed as BKTPP is losing sent out value reasonably due to the PT voltage taken from 220KV Main Bus #1 VT. Regarding this one letter was issued but still no response was received from SLDC.

Deliberation in the meeting:

After detailed discussion it was noted that as this a case of shifting load to Sadaipur sub-stn, hence Transmission (O & M) wing may look into the matter. Therefore, the house advised BkTPP representative to take up the matter with Chief Engineer, Transmission (O&M-II).

6.2. Agenda note put up by KTPS

- A. Up-gradation of APEX meter i.r.o KTPS.

Deliberation in the meeting:

KTPS representatives informed that 400 KV Kharagpur-KTPS CKT. #1 &2 MAIN meters and 132 KV KTPS-Tamluk Ckt #1 Check meter is unavailable for long period. Other meters have problem of time synchronization. Therefore, they have proposed for replacement for existing old Apex type meters with new Apex-100 type meters. Central Testing Department, WBSETCL representative have confirmed that they will look into the matter.

ITEM No: 7. Date and venue of next SLCF (i.e. 55th) Meeting.

It will be intimated in due course of time.

ITEM No: 8. MISCELLANEOUS:

8.1. Agenda note put up by STPS

- A. Power evacuation problem of STPS.

Deliberation in the meeting:

STPS representative deliberated that STPS is facing power evacuation problem during (n-2) situation of 220 KV STPS outgoing feeders and forced to reduce the load approx. 50 to 100 MW to safeguard the Grid as well as generating station. Several occasions STPS forced to reduce the load as per directives of SLDC SCE due to outage of 2 nos. of 220 KV STPS outgoing feeders.

After detailed discussion on this issue it was noted that after commissioning of 220 KV STPS- New Bishnupur Ckt #3 and 4 the problem may be avoided.

8.2. Agenda note put up by WBSEDCL

- A. Receiving messages for disconnection of 220 KV Dalkhola-Dalkhola(PG) tie line originated from ERLDC due to persistent over drawal by the state.

Deliberation in the meeting:

On this issue the house requested all the constituent to maintain their schedule.


WBSEDCL representative citing one case of over-drawal by CESC, requested CESC representative to arrange the power in order to restrict the over-drawal.

8.3. Agenda note put up by SgTPP/WBSETCL

- A. Declaration of Apex-100 meter as main meter i.r.o 220 KV SgTPP-Gokarna Ckts.

Deliberation in the meeting:

On this issue, representative of Central Testing Department requested SgTPP to declare Apex-100 meters installed i.r.o 220 KV SgTPP-Gokarna D/C as main meter. SgTPP representative was requested to send a letter declaring Apex-100 meters installed i.r.o 220 KV SgTPP-Gokarna D/C as main meters for intra-state accounting purpose. They were also requested to start sending meter data of those Apex-100 type meters instead of old Apex type meter to SLDC as well as Central Testing Department.


(P. K. Kundu)
C.E., SLDC, WBSETCL.

Annexure -1

<u>Newly Commissioned Sub-stations</u>			
Sl. No.	Location	Identification equipments	of Date & Time
1	132 KV (GIS) Domkal Sub/stn.	132 KV Nazirpur-Domkal Ckt #2	Commissioned & charged at 16:41 hrs. on 19/02/18 respectively.
		132 KV GIS Bus	BUS #2 and BUS #1 commissioned & charged at 18:06 hrs. and 18:16 hrs. on 19/02/18 respectively.
		132 KV Nazirpur-Domkal Ckt #1	Commissioned & charged at 15:02 hrs. on 22/02/18 respectively.
		132/33 KV 50 MVA Tr #1	Commissioned & charged at 18:34 hrs. on 19/02/18 and loaded at 16:24 hrs. on 23.02.18
		132/33 KV 50 MVA Tr #2	Commissioned & charged at 18:37 hrs. on 19/02/18 and loaded at 23:33 hrs. on 23.02.18
2	132 KV GIS Mohitnagar Sub/stn (LILO of 132 KV NJP-Chalsa and NJP-Moynaguri ckts).	132 KV Mohitnagar-NJP Ckt #1	Charged at 17:35 hrs. on 27/02/18.
		132 KV Mohitnagar-NJP Ckt #2	Charged at 17:14 hrs. on 10/03/18.
		132 KV Mohitnagar-Moynaguri Ckt	Charged at 17:42 hrs. on 27/02/18.
		132 KV Mohitnagar-Chalsa Ckt	Charged at 17:20 hrs. on 10/03/18.
		132 KV GIS Bus	BUS #2 and BUS #1 commissioned & charged at 17:37 hrs. and 17:38 hrs. on 27/02/18 respectively.
		132/33 KV 50 MVA Tr #1 & 2	Commissioned & charged at 18:46 hrs. And 18:45 hrs. on 27/02/18 respectively

CESC system

Sl. No.	Item
1	At 132 KV Majherhat Sus-station, 132 KV 7 panel GIS bus has been installed on 09.03.2018
2	132 KV EMSS –Park Circus Ckt #2 commissioned on 14/03/2018
3	132 KV EMSS –New Cossipore Ckt #2 commissioned on 28/03/2018
4	At 132 KV New Cossipore Sub-stn 160 MVA 220/132/33 KV Transformer #3 has been commissioned on 28/03/2018

Memo No. SLDC/ How/ 109/ 2018-19/ 173(1-36)

Dated : 10/05/2018

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. SGTTP, WBPDC.
20. Sri I. B. Chakraborty, Vice-President, Engineering & Projects, IPCL
21. Addl. Chief Engineer, SLDC, WBSETCL, Howrah-09.
22. Addl. Chief Engineer, ALDC, WBSEDCL.
23. Sri N.G.Saha, DGM, WBPDC.
24. Sri A. Sen Gupta, DGM, System Control Department, CESC Ltd, CESC House, Kol- 01.
25. Sri S. K. Sarkar, G.S.(T&D, Load Management), DPSC Ltd.
26. Sri R. Biswas, Sr. Manager, ALDC, DPL.
27. Sri Suhas Ch. Ray Sr.Manager(Operation), KTPP WBPDC,
28. Sri Indrajit Banerjee Manager(Operation), KTPP WBPDC.
29. Sri D. Chanda, Sr.Manager(PS), BKTPP, WBPDC.
30. Mr. Joyanal Abedin, Sr.Manager(E.O.), BKTPP, WBPDC.
31. Sri K. Banerjee, Manager, System Control Department, CESC Ltd, CESC House, Kol- 01.
32. Sri A.Biswas, Manager(PS),BKTPP,WBPDC.
33. Sri F.Hossain, Manager (PS), SGTTP, WBPDC.
34. Sri M.S.Bapari, Manager (PS), SGTTP, WBPDC.
35. Sri M. Mallik, Sr. Manager, (System Operation – Electrical), BTPS, WBPDC.
36. Sri S. Maiti, Sr. Manager (O), STPS, WBPDC.



Convenor, SLCF

10.05.18