

MINUTES OF THE 53rd SLCF MEETING HELD ON 30.01.2018

Shri. P. K. Kundu, Chief Engineer (SLDC), WBSETCL & Chairperson, SLCF welcomed all the participant members to the 53rd SLCF meeting.

ITEM-1: CONFIRMATION OF THE MINUTES OF THE 52nd SLCF MEETING HELD ON 21/11/2017.

The minutes was circulated vide memo no: **SLDC/How/109/1282** dated 04/12/2017 and the same was also published in the website (www.wbslhc.in). A corrigendum of the above MOM has also been published vide memo no: **SLDC/How/109/1366** dated 15/12/2017

The minutes of the 52nd SLCF meeting was taken as accepted.

ITEM-2: REVIEW OF THE STATE GRID PERFORMANCE:

Power point presentation on Grid Performance for the month of November & December 2017.

Divisional Engineer, SLDC made a Power point presentation on the grid performance based on operational statistics for the period November & December 2017. 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 November & December 2017 are as follows:

Generating Station.	November 2017		December 2017	
	NAPAF (%)	PAFM (%)	NAPAF (%)	PAFM (%)
<i>BTPS</i>	74	52.79	74	41.22
<i>STPS</i>	85	50.11	85	54.71
<i>KTPS</i>	75	34.62	75	37.05
<i>BkTPP-I</i>	85	64.60	85	88.66
<i>BkTPP-II</i>	85	79.02	85	74.93
<i>SgTPP-I</i>	85	38.40	85	42.92
<i>SgTPP-II</i>	85	28.71	85	41.45

* 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
November 2016	2277.45	1.74% Rise
November 2017	2317.18	
December 2016	2274.58	2.03% Rise
December 2017	2320.78	

2.3 Gross Generation of WBPDCCL (in MU) during November & December 2017

November 2017	December 2017
1580.23	1790.49

2.4 System met and system Potential of distribution licensees during November & December 2017 were as follows:

CONSTITUENT	November 2017		December 2017	
	System Met (MU)	System Potential (MU)	System Met (MU)	System Potential (MU)
WBSEDCL (OWN)	2314.38	2317.18	2314.89	2320.78
CESC	778.84	778.84	714.41	714.41
DPL	156.51	157.05	166.30	167.35
West Bengal	3293.38	3296.72	3243.60	3250.55

2.5 The Maximum demand (potential) and their time of occurrence during November & December 2017 was as follows:

CONSTITUENT	November 2017	December 2017
WBSEDCL (OWN)	4992 MW on 04.11.17 at 18.00 hrs.	4652 MW on 12.12.17 at 18.00 hrs.
CESC	1632 MW on 06.11.17 at 18.00 hrs.	1420 MW on 13.12.17 at 18.00 hrs.
DPL	255 MW on 29.11.17 at 19.00 hrs.	252 MW on 30.12.17 at 18.00 hrs.
West Bengal	6844 MW on 09.11.17 at 18.00 hrs.	6380 MW on 13.12.17 at 18.00 hrs.

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

ITEM No. 3. IMPORTANT GRID INCIDENTS:

1. On 06.12.17 at 09:09hrs, at New Chanditala 400KV sub-stn, Bus Zone differential protection operated at 400KV MB#2 during diversion of 400KV jeerat ckt through bus-tie breaker. All feeders, transformers & reactors connected to that bus tripped. During tripping, MB#1 was under shut down for winter maintenance work.

--- WBSETCL representative may please deliberate.

Deliberation in the meeting.

On 06.12.17 at 09:09hrs, at New Chanditala 400KV sub-stn, Bus Zone differential protection operated at 400KV MB#2 during diversion of 400KV Jeerat ckt through bus-tie breaker. The reason of 400 KV bus zone differential protection operated was mentioned as the faulty Y-ph CT of 400 KV transfer bus bay, having low IR value. Transmission representative mentioned that faulty C.T is replaced by the vendor & now the 400 KV transfer bay at New Chanditala can be put in service on requirement.

2. On 15.12.17 at 06:02hrs ,at Malda 132KV sub-stn total power failure due to tripping of 132 KV MLD(PG)-MLD(WB) ckt #1 & 2

--- WBSETCL representative may please deliberate.

Deliberation in the meeting.

On 15.12.17 at 06.02 hrs, Malda-Malda(PG) ckt #1 & 2 tripped resulting total power failure at 132 KV Malda sub-stn. On this tripping it came to notice that at Malda(PG) end, Power Grid was working without taking S/D i.r.o Malda-Malda(PG)#1 disconnecting the tripping relay (86). At 06.02 hrs, Earth wire snapped between TL no 15-18 and touched conductor of 132 KV Malda-Malda(PG) ckt #1 but no tripping occurred at PGCIL end, which finally resulted in delayed fault clearing & outage of the other circuit. Also non-sharing of tripping/disturbance related data with WBSETCL sub-stn in real time by PG is highlighted by testing representative.

ITEM No. : 4. OPERATIONAL PLANNING:-

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

Description	MARCH -2018	APRIL -2018	MAY -2018
WBPDC Generation	2700	2574	2574
WBSEDCL Own Maximum Demand	6500	6100	5580
CESC Maximum Demand	1840	2050	2180
CESC Own gen. + HEL + IPP/CPP	765+540+40=1345	830+540+40=1410	830+540+40=1410
DPL Generation Availability	420	420	420
DPL Maximum Demand	275	280	285
IPCL demand connected to J.K.Nagar system	70	70	70

(b) Finalization of Shut Down proposal for the month DECEMBER 2017, JANUARY 18 & FEBRUARY 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 # 4	From 31.01.2018 for 40 days	Annual overhauling
KTPP #5	From 15.03.2018 to 14.05.2018	Annual overhauling.
BkTPP # 5	From 05.03.2018 for 20 days	Overhauling Disallowed due to forthcoming Madhyamik and H.S Exam. in the State

ITEM No: 5. ISSUES RAISED BY SLDC:

- A. As per Provisions of Clause no. 3.c of Miscellaneous Provisions Regulation 2013 published by Hon'ble WBERC the SLDC charge shall be payable by licensees quarterly in advance based on estimated energy to be transmitted by them through intra-state grid under long term access and medium term access. Estimation procedure for the same needed to be settled.

Deliberation in the meeting:

On this issue WBSLDC representative proposed to consider the energy transmitted by the licensees through intra-state grid under long term access and medium term access in the respective month of previous year as the estimated energy to be transmitted by them for the month of the running year.

All concerned distribution licensees were requested to confirm the proposed method or suggest any alternate method to estimate energy to be transmitted by them through intra-state grid under long term access and medium term access at earliest.

B. Furnishing Generator Transformer Tap details by generating stations.

Deliberation in the meeting:

WBSLDC representative requested all concerned constituent to send Generator Tap details for all generating units.

All concerned agreed.

C. Generating stations needed to furnish RGMO/FGMO details of the generators on monthly basis.

Deliberation in the meeting:

WBSLDC representative requested all concerned constituents to send RGMO/FGMO details for all generating units.

All concerned agreed.

D. Sharing of VAR loading by generators to maintain proper system voltage.

Deliberation in the meeting:

On this issue of VAR management, SLDC expressed their concern regarding unsatisfactory excitation control by different power stations of WBPDC, which resulted lesser absorption of leading MVAR and higher system voltage endangering Grid elements. Also huge amount of VAR charge is imposed on West Bengal on regular basis. It is again deliberated by SLDC representative that during high voltage hours VAR absorption by generating units of WBPDC are much below than the limit of capability curve with respect to the active power generation. Repeated persuasions on this issue with power stations and even with head quarters failed to achieve any headway in this regard.

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

6.1. Agenda note put up by BkTPP

1. In BKTTP –ARAMBAG Circuit, PLCC Channel -I was not in service from 15.07.2017 due to problem at Arambag end. Panel at BKTTP end is healthy and kept off.

Deliberation in the meeting:

On this issue, WBSETCL representative informed that protection coupler was burnt out at Arambag S/S. Installation programme has been settled down with CGL. Tentative date of installation is 12/02/18.

2. In BkTPP, there are eleven (11) nos. outgoing feeders for evacuation of power. Out of these, 220 kV/33 kV, 50 MVA PASS transformer bay has been commissioned and charged since 18.05.2015 for supplying power to the local 33 kV substation of WBSEDCL (Muthaberia) on temporary basis. Now one 220 kV/132 kV/33 kV substation has been commissioned at Sadaipur near to BkTPP since 20.04.2017.

So, further assessment is required towards continuation of the said feeder from BkTPP. If it is necessary then, requested to incorporate the line CVTs in 220 kV side of the bay as BkTPP losing sent out value reasonably for taking voltage feedback from excessively loaded 220 kV Bus VT.

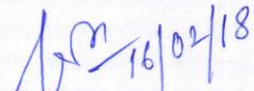
Deliberation in the meeting:

On this issue, WBSETCL representative informed that they will place the matter to the higher authority. However, they also requested BkTPP to send a letter to WBSETCL H/Q regarding the matter.

ITEM No: 7. Date and venue of next SLCF (i.e. 53rd) Meeting.

It will be intimated in due course of time.

ITEM No: 8. MISCELLANEOUS:


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

Annexure -1

<u>Transformers</u>			
Sl. No.	Location	Identification of equipments	Date & Time
1	400 KV New Chanditala Sub/stn.	315 MVA 400/220 KV Tr.3	Commissioned & charged at no load at 17:05 hrs. on 18/12/17 and loaded at 16:09 hrs. on 20/12/17.
2	132 KV Keshiary Sub-stn	50 MVA 132/33 KV Tr. #2	Commissioned & charged at no load at 16:17 hrs. and loaded at 18:40 hrs. on 10/01/18.

<u>Newly Commissioned Sub-stations</u>			
Sl. No.	Location	Identification of equipments	Date & Time
1	132 KV Keshiary Sub/stn.	132 KV Kharagpur-Keshiary Ckt #1 & 2	Commissioned & charged at 16:59 hrs. and at 17:00 hrs. on 23/11/17 respectively.
		132 KV Bus	Commissioned & charged at 18:14 hrs. on 23/11/17.
		132/33 KV 50 MVA Tr #1	Commissioned & charged at 18:57 hrs. on 23/11/17.

<u>Transmission Lines</u>		
Sl. No.	Identification of equipments	Date & Time
1	400 KV PPSP-New PPSP Ckt #2 and 400 KV Arambag – New PPSP Ckt #2 (LILO of 400 KV PPSP-Arambag Ckt #2 at New PPSP)	400 KV PPSP-New PPSP Ckt #2 Charged at no load at 18:35 hrs. on 12/11/17 from New PPSP end and loaded at 18:37 hrs. on 12/11/17 400 KV Arambag – New PPSP Ckt #2 Charged at 18:43 hrs. on 12/11/17

Memo No. SLDC/ How/ 109/ 2017-18/ 1628 (1-36)

Dated : 16/02/2018

Copy for information please:-

1. PS to Managing Director, WBSETCL, Vidyut Bhavan, Kolkata-91.
2. PS to Managing Director, DPL, Kolkata -107.
3. PS to Director (Operations), WBSETCL, Vidyut Bhavan, Kolkata-91.
4. PS to Director (RT), WBSEDCL, Vidyut Bhavan, Kolkata-91.
5. PS to Executive Director (OS), WBPDC, Salt Lake City, Kolkata-700 098.
6. C.E, SLDC, WBSETCL, Howrah-09.
7. C.E, Transmission-I, WBSETCL, Vidyut Bhavan, Kol-91.
8. C.E, Transmission-II, WBSETCL, Vidyut Bhavan, Kol-91.
9. C.E, CTD, WBSETCL, AbhiksanBhavan, Kol-91.
10. C.E, Communication, WBSETCL, AbhiksanBhavan, Kol-91.
11. Chief Engineer, CLD, DVC, Howrah.
12. C.E.(PTP) WBSEDCL, Vidyut Bhavan, Kolkata-91.
13. G.M, (SO) CESC Ltd., Statesman House, Kol- 01.
14. G.M. BTPS, WBPDC.
15. G.M. STPS, WBPDC.
16. G.M. KTPP, WBPDC.
17. G.M. BKTPP, WBPDC.
18. G.M. SGTTP, WBPDC.
19. Sri S. Namjoshi, Vice-President, Engineering & Projects, IPCL
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. Joynal 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.

For M. Sankar 16/02/18
Convenor, SLCF