

MINUTES OF THE 47th SLCF MEETING HELD ON 23.11.2016

Shri. Rafikul Islam, Chief Engineer (SLDC), WBSETCL & Chairperson, SLCF welcomed all the participant members to the 47th SLCF meeting.

ITEM-1: CONFIRMATION OF THE MINUTES OF THE 46th SLCF MEETING HELD ON 15/09/2016.

The minutes of the 46th SLCF meeting was circulated vide memo no: SLDC/How/109/942 dated 04/10/2016 and the same was also published in the official website of SLDC (www.wbslhc.in)

The minutes of the 46th SLCF meeting was taken as accepted.

ITEM-2: REVIEW OF THE STATE GRID PERFORMANCE:

Power point presentation on Grid Performance for the month of September-16 & October-16

Superintending Engineer, SLDC made a Power point presentation on the grid performance based on operational statistics for the period September -16 & October-16. 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 September -16 & October-16 are as follows:

Generating Station.	September-16		October-16	
	NAPAF (%)	PAFM (%)	NAPAF (%)	PAFM (%)
<i>BTPS</i>	74	54.66	74	63.79
<i>STPS</i>	85	91.97	85	91.83
<i>KTPS</i>	75	67.46	75	64.49
<i>BkTPP-I</i>	85	61.78	85	78.97
<i>BkTPP-II</i>	85	92.51	85	89.18
<i>SgTPP</i>	85	65.02	85	83.24

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

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

- 2.2 Potential Demand of WBSEDCL in MU.

September-15	September-16	Remarks	October-15	October-16	Remarks
3093.53	3144.94	1.66% Rise	3078.36	3084.62	0.2% Rise

2.3 Gross Generation of WBPDC (in MU) during September -16 & October-16.

September-16	October-16
1992.96	2060.44

2.4 System met and system Potential of distribution licensees during September -16 & October-16 were as follows:

CONSTITUENT	September-16		October-16	
	System Met (MU)	System Potential (MU)	System Met (MU)	System Potential (MU)
WBSEDCL (OWN)	3130.39	3144.94	3076.77	3084.62
CESC	1037.58	1037.58	985.43	985.43
DPL	152.80	155.52	157.70	158.20

2.5 The Maximum demand (potential) and their time of occurrence during September -16 & October-16 were as follows:

CONSTITUENT	MAXIMUM DEMAND (MW)	
	September-16	October-16
WBSEDCL (OWN)	5936 MW on 30.09.16 at 19.00 hrs.	6231 MW on 04.10.16 at 20.00 hrs.
CESC	1856 MW on 20.09.16 at 18.00 hrs.	1956 MW on 04.10.16 at 18.00 hrs.
DPL	254 MW on 01.09.16 at 24.00 hrs.	257 MW on 03.10.16 at 24.00 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:

- On 27.09.16, at 22:02 hrs total power failure occurred at DPL due to snapping of DVC 132KV line - 76 bottom conductor on 132KV grid S/S 1 & 2 feeders of DPL.
The following Tripping occurred:
 - 100MVA auto transformer tripped.
 - 220 KV DPL – DGP ckt 1 & 2 tripped.

--- DPL & WBSETCL representative may please deliberate.

Deliberation in the meeting.

Representative of WBSETCL and DPL informed that fault clearing was delayed from 132 KV side of 100 MVA ATR due to its old electromechanical relay. Such delayed fault clearing invited operation of Bus bar protection through activation of LBB i.r.o 220 KV Bus of unit #8. Thus total power failed at DPL.

Suggestions:

- 1) Replacement of all old electro mechanical relay by numeric relay at the earliest.***
- 2) Regular checking of trip coil healthiness for all 220 & 132 KV feeders and ensure all time availability of two trip coils.***

2. On 28.09.16, at 00:34 hrs power failure occurred at 132KV old switch yard of DPL.

--- DPL representative may please deliberate.

Deliberation in the meeting.

The same has been discussed under above grid incident.

ITEM No. : 4. OPERATIONAL PLANNING:-

(a) Anticipated power supply position for the month of JANUARY-2017 & FEBRUARY-2017 (All figures are in MW) :-

Description	JANUARY-2017	FEBRUARY-2017
WBPDC Generation	3000 (72 MU)	3000 (72 MU)
WBSEDCL Own Maximum Demand	5054	5340
CESC Maximum Demand	1360	1650
CESC Own gen. + HEL + IPP/PPP	460+265+40	460+530+40
DPL Generation Availability	410	410
DPL Maximum Demand	230	230
IPCL demand at J.K.Nagar	50	50

(b) Finalization of Shut Down proposal for the month JANUARY-2017 & FEBRUARY-2017 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	REASON
KTPP # 2	15.01.2017 TO 21.01.2017	Boiler License renewal
PPSP # 4	Upto Mid Feb, 17 for 87 days	
HEL # 1 & 2	25.12.2016 TO 23.01.2017 (15 days each, one by one)	Annual Overhauling

(c) **Prolonged outage of power system elements :-**

No Prolonged outage.

ITEM No: 5. ISSUES RAISED BY SLDC:

A. Constituents are requested to furnish the LGBR data (Month wise peak, off-Peak & Total Energy demand indicating sources to meet the demand, Generation data) in the meeting.

Deliberation in the meeting:

WBPDC, CESC and DPL have already sent requisite data. WBSEDCL representative was requested to furnish the same. WBSEDCL representative confirmed to send data at the earliest.

B. Irregularity in sending statistical data i.r.o Malda, NJP, Dalkhola, Hizli, New Town & Birpara Sub-stations.

Deliberation in the meeting:

On this issue, several correspondences have been made over phone with concerned sub-stations. But, the problem regarding irregularity has not been solved. WBSETCL representative was requested to take necessary action towards maintaining regularity in sending statistical data on daily basis from different sub-stations.

C. Meter reading (in RAW format) and daily statistical data in desired format should be furnished to SLDC within specified time limit through e-mail.

Deliberation in the meeting:

WBSLDC representative informed the house that based on Meter reading (in RAW format) and daily statistical data different bills, report are being prepared which need to be published within a time bound limit. Hence, the same should reach SLDC within specified time limit through e-mail. All constituent were requested to send the same within specified time limit and they agreed.

- D. Shutdown of BTPS U#5 on 02.11.16 for boiler licence renewal & PG test preparation was not discussed in last SLCF (46th SLCF) and also not intimated to SLDC in advance.

Deliberation in the meeting:

WBSLDC representative inform the house that this type of shutdown without prior intimation and discussion at SLCF meeting is against the modus of operandi and expressed deep concern over the incident. This type of sudden shutdown of Unit without proper intimation to SLDC creates problem in Grid Operation. The house agreed that this type of incident should not happen under any circumstances. BTPS representative expressed sincere regret and ensured to follow the modus of operandi.

- E. Outstanding dues of WBPDCCL for payments towards SLDC UI Fund on account of Deviation charges as on 23.10.16 is Rs 11,38,70,907.00. No payment has been done since 16.09.16.

Deliberation in the meeting:

The issue has been discussed in several SLCF meeting before. But the issue has yet not been solved. WBSLDC representatives expressed deep concern over the issue and requested WBPDCCL representatives to solve the matter with highest priority considering the importance of the issue.

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

6.1. Agenda note put up by STPS

- A. STPS has submitted
1. Generation availability of December 16, January 17 & February 17.
 2. Tentative shutdown programme for the month of January 17, February 17.

Deliberation in the meeting:

The generation availability and the shutdown program have been noted.

- B. Merit order dispatch considering MFCA: Merit order is to be calculated considering the MFCA which is added to the energy rate of Rs. 2,1705/unit for STPS as per Cl. No. 3.15 of the order of WBERC for the year 2016-17.

Deliberation in the meeting:

WBSLDC representative informed the house that Merit order i.r.o WBPDCCL is being prepared by them considering MFCA. WBSLDC follow the merit order considering fuel charges furnished by WBSLDC during scheduling process. WBSLDC ensured that implemented merit order will be e-mailed to WBPDCCL.

ITEM No: 7. Date and venue of next SLCF (i.e. 48th) Meeting.

It will be intimated in due course of time.

ITEM No: 8. MISCELLANEOUS

8.1. Agenda note put up by WBSEDCL

- A. In existing method Backing Down Withdrawal time limit is 12 hours. WBSEDCL request for 10 hours.

Deliberation in the meeting:

As the house did not get any preparation time, the issue was not discussed.

8.2. Agenda note put up by CESC

- A. 400 KV Subhasgram(PG)- HEL ckt is getting tripped for over voltage.

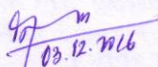
Deliberation in the meeting:

CESC representative requested for addressing high voltage problem.

- B. Islanding of CESC system at Kasba point with nearly 450 MW generation leading to unstable system.

Deliberation in the meeting:

CESC representative requested for time delay check and inform that Relay co-ordination may be needed. All concerned agreed.


(Rafikul Islam)

C.E., SLDC, HOWRH.

Annexure -1

<u>Transformer</u>			
Sl. No.	Location	Identification of equipments	Date & Time
1	220 KV Durgapur Sub/Stn	200 MVA 220/132 KV Tr. #1 (Replacing 160 MVA Tr.)	Commissioned & charged at no load at 15:30 hrs. on 09/09/16 and loaded at 11:49 hrs on 10/09/16.
2	400 KV Gokarna Sub/Stn	315 MVA 400/220 KV Tr. #1 & 2	Initially charged from 220 KV side at 18:44 hrs. and 19:02 hrs on 19/09/16 respectively.
3	132 KV Ashoknagar Sub/Stn	50 MVA 132/33 KV Tr. #3	Commissioned & charged at no load at 16:45 hrs. on 08/11/16
4	220 KV Lakshmikantapur Sub/Stn	50 MVA 132/33 KV Tr. # 3 (Replacing 31.5 MVA Tr.)	Commissioned & charged at no load at 15:47 hrs. and loaded at 16:45 hrs on 20/10/16.
5	132 KV Bajkul Sub/Stn. (Newly Commissioned)	50 MVA 132/33 KV Tr. # 1	Commissioned & charged at no load at 16:55 hrs. on 27/10/16.

Newly Commissioned Generators/Sub-stns.

Sl. No.	Location	Identification of equipments	Date & Time
1	TCF PS-II (Solar)	10 MW Solar PV	Synchronized on 18.08.16 at 11.10 hrs.
2	SgTPP	Unit #4 (500 MW)	Test Synchronization at 13:32 hrs of 15.10.16.
3	132 KV Bajkul GIS Sub-stn. (LILO of New Haldia-Contai Ckt.)	MB-1, MB-2, 50 MVA Tr-2	Commissioned and charged through Bajkul- Contai Ckt. on 27.10.2016

Memo No. SLDC/ How/ 109/ 1260 <1-35>

Dated : 03/12/2016.

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 Headquarter, WBSETCL, Vidyut Bhavan, Kol-91.
8. C.E, CTD, WBSETCL, Abhiksan Bhavan, Kol-91.
9. C.E, Communication, WBSETCL, Abhiksan Bhavan, Kol-91.
10. Chief Engineer, CLD, DVC, Howrah.
11. C.E.(PTP) WBSEDCL, Vidyut Bhavan, Kolkata-91.
12. G.M, (SO) CESC Ltd., Statesman House, Kol- 01.
13. G.M. BTPS, WBPDC.
14. G.M. STPS, WBPDC.
15. G.M. KTHP, WBPDC.
16. G.M. BKTHP, WBPDC.
17. G.M. SGTTP, WBPDC.
18. Sri S. Namjoshi, Vice-President, Engineering & Projects, IPCL
19. Sri I. B. Chakraborty, Vice-President, Engineering & Projects, IPCL
20. Addl. Chief Engineer, SLDC, WBSETCL, Howrah-09.
21. Addl. Chief Engineer, ALDC, WBSEDCL.
22. Sri A.Sengupta, Manager, CESC Ltd, Statesman House, Kol- 01.
23. Sri D.De,Dy. Manager, CESC Ltd, Statesman House, Kol-01.
24. Sri S. K. Sarkar, G.S.(T&D, Load Management), DPSC Ltd.
25. Sri R. Biswas, Sr. Manager, ALDC, DPL.
26. Sri P. Banerjee, Sr. Manager(RISO), KTHP, WBPDC.
27. Sri A. Guha, Sr. Manager (SO),KTHP,WBPDC.
28. Sri D. Chanda, Sr.Manager (PS), BKTHP, WBPDC.
29. Mr. Joyal Abedin, Sr.Manager (E.O.), BKTHP, WBPDC.
30. Sri A.Biswas, Manager(PS),BKTHP,WBPDC.
31. Sri F.Hossain, Manager (PS), SGTTP, WBPDC.
32. Sri M.S.Bapari, Manager (PS), SGTTP, WBPDC.
33. Sri N.Saha, Sr. Manager (PS), WBPDC.
34. Sri M. Mallik, Sr. Manager, (System Operation – Electrical), BTPS, WBPDC.
35. Sri S. Maiti, Sr. Manager (O), STPS, WBPDC.

Dibyendu Bhattacharya

03.12.16

Convenor, SLCF