

MINUTES OF THE 44th SLCF MEETING HELD ON 01.04.2016

Shri. S. Roy, Chief Engineer (SLDC), WBSETCL & Chairperson, SLCF welcomed all the participant members to the 44th SLCF meeting.

ITEM-1: CONFIRMATION OF THE MINUTES OF THE 43rd SLCF MEETING HELD ON 03/02/2016.

The minutes of the 43rd SLCF meeting was circulated vide memo no: SLDC/How/109/3636 dated 10/02/2016 and the same was also published in the official website of SLDC (www.wbslhc.in)

The minutes of the 43rd 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-16 & February-16

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

Generating Station.	January-16		February-16	
	NAPAF (%)	PAFM (%)	NAPAF (%)	PAFM (%)
<i>BTPS</i>	74	43.54	74	44.88
<i>STPS</i>	85	90.71	85	95.43
<i>KTPS</i>	75	44.13	75	47.55
<i>BkTPP-I</i>	85	61.91	85	71.41
<i>BkTPP-II</i>	85	74.61	85	91.47
<i>SgTPP</i>	85	63.80	85	77.57

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

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

2.2 Potential Demand of WBSSEDCL in MU.

WBSSEDCL					
January-15	January-16	Remarks	February-15	February-16	Remarks
2485.34	2444.318	1.65% Fall	2440.833	2508.977	2.79% Rise

2.3 Gross Generation of WBPDCCL (in MU) during January-16 & February-16.

January-16	February-16
1680.117	1771.770

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

CONSTITUENT	January-16		February-16	
	System Met (MU)	System Potential (MU)	System Met (MU)	System Potential (MU)
WBSSEDCL (OWN)	2430.89	2444.32	2499.22	2508.98
CESC	659.764	659.764	704.559	704.561
DPL	161.194	163.1483	158.568	158.8224

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

CONSTITUENT	MAXIMUM DEMAND (MW)	
	January-16	February-16
WBSSEDCL (OWN)	4914 MW on 28.01.16 at 19.00 hrs.	5309 MW on 15.02.16 at 19.00 hrs.
CESC	1580 MW on 29.01.16 at 19.00 hrs.	1549 MW on 19.02.16 at 18.00 hrs.
DPL	262 MW on 25.01.16 at 23.00 hrs.	258 MW on 26.02.16 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 01/03/16 at 09:40 hrs at 220 KV Kasba S/stn, total power failed due to tripping of 220 KV Jeerat-Kasba ckt #1 & 2 from Jeerat end and 220 KV Kasba-Subhasgram(WB) ckt #1 & 2 from Subhasgram(WB) end.

--- WBSETCL representative may please deliberate.

Deliberation in the meeting.

Representative of WBSETCL informed that on that day at 09.38 hrs. 220 KV Subhasgram(PGCIL) – Subhasgram (WBSETCL) Ckt- I & II tripped from Subhasgarm (PGCIL) end due to some wrong Relay operation at Subhasgram(PGCIL). Thereby total loading of 220 KV Kasba, 220 KV Subhasbgam (WBSETCL), 220 KV Lakshmikantapur S/S were flowing through only 220 KV Jeerat-Kasba Ckt- I & II. At 09.40 hrs. 220 KV Jeerat-Kasba Ckt tripped from both Jeerat & Kasba end due to snapping of Y-phase conductor. Simultaneously, 220 KV Jeerat-Kasba Ckt-II tripped due to over-loading. There was no tripping at 132 KV system. CESC system got islanded.

CESC representative informed that 160 MW additional load of Kasba system shifted to CESC system. The islanding frequency was 47.8 Hz.

The House advised for incorporating df/dt function clubbing with UF for safe/faster isolation at Kasba S/S.

2. On 19/03/16 at 16:53 hrs at 220 KV Kasba S/stn, total power failed due to tripping of 220 KV Jeerat-Kasba ckt #1 & 2, 220 KV Kasba-Subhasgram(WB) ckt #1 & 2 from far end.

--- WBSETCL representatives may please deliberate

Deliberation in the meeting.

Representative of WBSETCL informed that on that day at 16.53 hrs on 19.03.16 , 220 KV bus fault occurred due to falling of foreign material on the bus. Subsequently, total power failed at 220 KV Kasba S/S. 220 KV Jeerat-Kasba ckt #1 & 2, 220 KV Kasba-Subhasgram(WB) ckt #1 & 2 tripped from other end. 132 KV system was switched-off. Power failed at Sonarpur and Saltlake S/S. CESC got islanded. 119 MW power interruption occurred in CESC system from 16.53 hrs to 16.57 hrs.

The house advised for installation and commissioning of Bus Differential Relay at 220 KV system of Kasba S/S.

ITEM No. : 4. OPERATIONAL PLANNING:-

- (a) Anticipated power supply position for the month of MAY-2016 & JUNE-2016 (All figures are in MW) :-

Description	MAY-15	JUNE-16
WBPDC Generation	2420 (58 MU)	2585 (62 MU)
WBSEDCL Own Maximum Demand	5860	5715
CESC Maximum Demand	2035	2115
CESC Own gen. + HEL + IPP/ CPP	920+530+40	920+530+40
DPL Generation Availability	400	400

DPL Maximum Demand	300	290
Supply to WBSEDCL from DPL	80	80
IPCL demand at J.K.Nagar	30	30

- b). Finalization of Shut Down proposal for the month MAY-2016 & JUNE-2016 i.r.o. Generating Units, Transmission Lines and other equipments etc. as provided by constituents.

(i) **SHUT DOWN APPROVED FOR WBPDCCL UNITS:**

UNIT	DURATION	REASON	REMARKS
STPS # 6	June, 2016	Boiler Overhauling	

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

----- Concerned constituents may share the latest status on outage of above elements.

Sl.No.	<u>Network elements under outage</u>	<u>From</u>	Remarks
1	220/132 KV, 150 MVA Transf. # 2 at KTPP	Since long	Expected commissioning mid April, 16

Deliberation in the meeting.

- About SL. No. 1, KTPP representative informed that at present the work is in full swing and expected commissioning of 220/132 KV, 160 MVA new transformer is mid of April, 2016.

ITEM No: 5. ISSUES RAISED BY SLDC:

5.1 Irregularity of sending weekly meter reading to WBSLDC end by constituents particularly WBPDCCL power stations.

Deliberation in the meeting.

WBSLDC informed that there is irregularity in sending weekly meter data particularly by BTPS. Hence, BTPS was advised to maintain regularity in sending meter data.

5.2 Suggestions are invited from constituents regarding formulation of methodology of Reactive Energy Charge calculation within the state.

Deliberation in the meeting:

After detailed discussion it was decided that :

- a) *VAR injection at above 3% of rated voltage and VAR drawal at below 3% of rated voltage will be charged as per regulatory guideline.*
- b) *Net VAR drawal/injection in a day will be available in the present available metering system in State ABT.*
- c) *VAR charge of Distribution licensees like CESC, DPL and IPCL will be calculated on the boundary metering available for each case and WBSEDCL VAR charge will be calculated by subtracting the VAR charge of CESC, DPL and IPCL from VAR charge of the state of West Bengal as calculated by ERPC.*
- d) *The rate of intra-state VAR charge may be as decided by Hon'ble WBERC.*

5.3 Metering arrangement and meter details i.r.o Unit #3 of SgTPP are yet not furnished by SgTPP.

Deliberation in the meeting:

SgTPP representative informed that the work is under process and before the next synchronization of Unit #3 the ABT metering arrangement will be done.

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

6.1. Agenda note put up by WBPDCCL

- A. Imposing Single block back down many times in a day for STPS & BKTPP. Frequent ramp up & ramp down for all power stations of WBPDCCL which leads to unstable boiler.

Deliberation in the meeting:

On this issue, there were several discussions in previous SLCF meetings. But the issue can't be resolved at this platform. Therefore, WBPDCCL has been advised to approach Hon'ble WBERC regarding the issue.

- B. PLCC Problem at 400 KV KTPS-Arambag & KTPS-Kharagpur1.

Deliberation in the meeting:

WBPDCCL representatives informed that auto recloser does not work due to problem in PLCC channel. They also informed that letter has been issued to Communication Dept., WBSETCL regarding the issue. After detailed discussion WBPDCCL has been advised to issue a letter to WBSLDC with details of the problem to facilitate the process towards resolving the issue.

6.2. Agenda note put up by BkTPP

- A. When first block ramp-down quantum is less than 15 MW and next block ramp-down is 30 MW then, it is very much difficult to maintain the actual generation as per schedule. Request for not to treat as first block of back-down when scheduled generation reduced by less than 15 MW.

Deliberation in the meeting:

The house feels that it is always difficult to achieve the exact schedule generation during ramping up/down process. Minor differences between actual generation and schedule will always remain there and it does not contradict with the spirit of scheduling. Hence, the house did not agree with the idea of BkTPP and the proposal was not accepted.

6.3 Agenda note put up by SgTPP

- A. Problem for frequent ramp-up/ramp-down of SG even for 1/2 blocks.

Deliberation in the meeting:

The issue has already been discussed under agenda no: 6.1.A.

- B. Minimum Technical Limit should be increased from 362 MW to 376 MW for Stage-I (2 x 300 MW) as APC has been reduced.

Deliberation in the meeting:

The representative from SgTPP has been asked to submit manufacturer's document regarding Minimum Technical Limit. But they informed that document from manufacturer is unavailable at present. Therefore, SgTPP has been advised to approach Hon'ble WBERC regarding the issue.

- C. Discrepancy regarding Rev 14 of 19.03.16 received after time block elapsed.

Deliberation in the meeting:

After detailed discussion the house came to the conclusion that there was a communication gap between SLDC control room, ALDC control room and SgTPP control room shift personnel. Proper care must be taken to avoid such mis-understanding in future.

6.4 Agenda note put up by DPL

- A. Discussion required for consideration of the increased drawal ceiling as requested by DPL (against only 25 MW allowed by WBSLDC) so that DPL may purchase power from Exchange at least to the tune of 80-100 MW during the period of any generation shortage due to Variation / Outage of unit load in order to maintain uninterrupted supply to its consumers.


Deliberation in the meeting:

The representative from WBSLDC informed that considering present power scenario of West Bengal, Open Access is being allowed as per demand/requirement ratio and is applicable for all the distribution licensees depending upon the TTC/ATC limit. Therefore, STOA inter-state import ceiling can't be increased separately for a particular licensee.

ITEM No: 7. Date and venue of next SLCF (i.e. 44th) Meeting.

It will be intimated in due course of time.

ITEM No: 8. MISCELLANEOUS


12.4.2016
(S. Roy)
C.E(O)SLDC, HOWRH.

Annexure -1

<u>Transformer</u>			
Sl. No.	Location	Identification of equipments	Date & Time
1	New Haldia 220 KV Sub/Stn	50 MVA 132/33 KV Tr. # 1 (Replacing 31.5 MVA Tr.)	Commissioned & charged at no load at 16:50 hrs. on 29/01/16 and loaded at 18:20 hrs on 30/01/16.
2	Serakol 132 KV Sub/Stn	50 MVA 132/33 KV Tr. # 1 (Replacing 31.5 MVA Tr.)	Charged and loaded at 18:00 hrs on 28/01/16.
3	Durgapur 400 KV Sub/Stn	200 MVA 220/132 KV Tr. # 3 (Replacing 160 MVA Tr.)	Charged and at no load at 11:46 hrs on 04/02/16 and loaded at 10:35 hrs on 05/02/16.
4	Katwa 132 KV Sub/Stn	50 MVA 132/33 KV Tr. # 1 (Replacing 31.5 MVA Tr.)	Commissioned & charged at no load at 18:50 hrs. on 04/02/16 and loaded at 10:05 hrs on 05/02/16.
5	Cooch Behar 132 KV Sub/Stn	50 MVA 132/33 KV Tr. #3	Commissioned & charged at no load at 16:50 hrs. on 16/02/16 and loaded at 09:00 hrs on 17/02/16.
6	Adi Saptagram 132 KV Sub/Stn	50 MVA 132/33 KV Tr. # 3	Charged at no load at 16:40 hrs on 01/03/16.
7	Raghunathgunj 132 KV Sub/Stn	31.5 MVA 132/33 KV Tr. (Replacing 20 MVA Tr.)	Charged and loaded at 15:41 hrs on 06/03/16.

Newly Commissioned Sub-Station/Gen.-station

Sl. No.	Location	Identification of equipments	Date & Time
1	TLDP-IV (NHPC)	220 KV NJP- TLDP-IV D/C	Charged on 13.02.16.
		Unit #1	Synchronized at 17.21 hrs. on 14.02.16
		Unit #2	Synchronized at 20.59 hrs. on 16.03.16
2	Ujanu 132 KV Sub-Stn	132 KV Main Bus	Test charge at 20:40 on 29.01.16.
		132 KV Ujanu-NBU ckt & 132 KV Ujanu-Siliguri ckt.	Test charge at 20:48 hrs. on 29.01.16.
		132/33 KV 31.5 MVA Tr. #1	Test Charge at 20.48 hrs. on 29.01.16.

Memo No. SLDC/ How/ 109/ 79. (1-19)

Dated : 13/4/2016.

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. Chief Engineer, CLD, DVC, Maithon.
7. C.E.(PTR) WBSEDCL, Vidyut Bhavan, Kolkata-91.
8. Vice-President (S.O.), CESC Ltd., Statesman House, Kolkata-1.
9. Addl. Chief Engineer, ALDC, WBSEDCL.
10. Addl.C.E, Transmission Headquarter, WBSETCL, Vidyut Bhavan, Kol-91.
11. Sri A.Sengupta, DGM, CESC Ltd, Statesman House, Kol- 01.
12. Sri S. K. Sarkar, G.S.(T&D, Load Management), DPSC Ltd.
13. Sri R. Biswas, Sr. Manager, ALDC, DPL.
14. Sri A. Guha Thakurata, Sr. Manager, KTHPP, WBPDC.
15. Mr. Joynal Abedin, Sr. Manager (E.O.), BKTHPP, WBPDC.
16. Sri F. Hossain, Manager (PS), SGTHPP, WBPDC.
17. Sri P. Halder, DGM(Engg.), WBPDC.
18. Sri T. Kumar, Sr. Manager, (PS), BTHPP, WBPDC.
19. Sri S. Maiti, Sr. Manager (O), STPS, WBPDC.

Dibyendu Bhattacharya
12.04.16

Convenor, SLCF