

# MINUTES OF THE 57<sup>th</sup> SLCF MEETING HELD ON 12.03.2019

Shri. P. K. Kundu, Chief Engineer (SLDC), WBSETCL & Chairperson, SLCF welcomed all the participant members to the 57<sup>th</sup> SLCF meeting.

## ***ITEM-1: CONFIRMATION OF THE MINUTES OF THE 56<sup>th</sup> SLCF 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.wbslhc.in](http://www.wbslhc.in)).

The minutes of the 56<sup>th</sup> SLCF meeting was taken as accepted.

## ***ITEM-2: REVIEW OF THE STATE GRID PERFORMANCE:***

### ***Power point presentation on Grid Performance for the month of December-18 and January-19.***

Divisional Engineer, SLDC made a Power point presentation on the grid performance based on operational statistics for the period of December-18 and January-19. 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 December-18 and January-19 are as follows:

Generating Station.	December-18		January-19	
	NAPAF (%)	PAFM (%)	NAPAF (%)	PAFM (%)
<i>BTPS</i>	74	17.66	74	30.16
<i>STPS</i>	85	79.10	85	71.27
<i>KTPS</i>	75	46.71	75	40.85
<i>BkTPP-I</i>	85	83.69	85	102.16
<i>BkTPP-II</i>	85	62.52	85	54.39
<i>SgTPP-I</i>	85	71.45	85	28.39
<i>SgTPP-II</i>	85	18.42	85	37.77

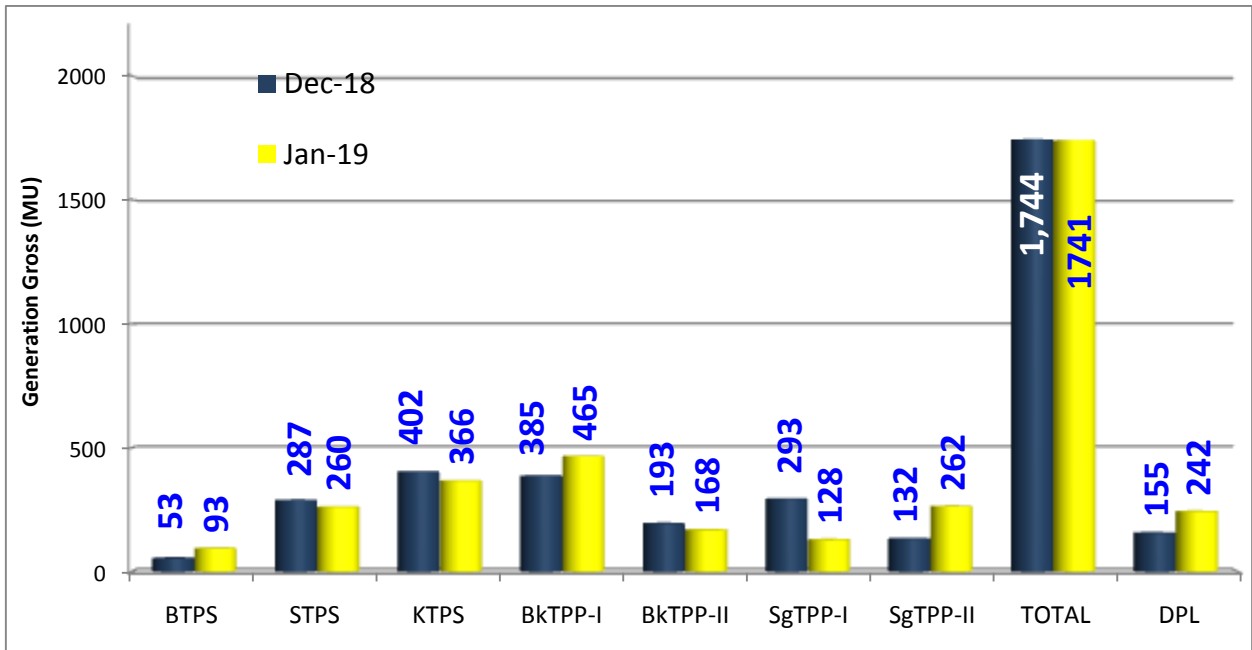
\* **NAPAF**: Normative Annual Plant Availability Factor (in %).

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

2.2 Potential Demand of WBSEDCL in MU.

Month	Potential Demand	Remarks
December 2017	2321	0.23% Fall
December 2018	2316	
January 2018	2527	7.55% Rise
January 2019	2718	

2.3 Gross Generation of WBPDC ( in MU ) during December-18 and January-19



2.4 System met and system Potential of distribution licensees during December-18 and January-19 were as follows:

CONSTITUENT	December-18		January-19	
	System Met (MU)	System Potential (MU)	System Met (MU)	System Potential (MU)
WBSEDCL (OWN)	2310.3	2315.56	2712.875	2718.271
CESC	672.3912	672.3912	658.903	658.903
West Bengal	3260.746	3267.258	3472.516	3477.912

2.5 The Maximum demand (potential) and their time of occurrence during December-18 and January-19 were as follows:

CONSTITUENT	December-18	January-19
WBSEDCL (OWN)	4553 MW on 14.12.18 at 18.00 hrs	5104 MW on 30.01.19 at 19.00 hrs
CESC	1361 MW, on 04.12.18 at 18.00 hrs	1328 MW, on 24.01.19 at 18.00 hrs
West Bengal	6234 MW, on 14.12.18 at 18.00 hrs	6457 MW, on 24.01.19 at 18.00 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. 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-SubhasgramD/Ckt tripped from remote end resulting total power failure at Kasba 220 KV S/S.

--- WBSETCL representative may please deliberate.

Deliberation in the meeting.

*Not discussed as there was no representative from Transmission(O&M), WBSETCL.*

2. On 29/12/2018 at 13:00 hrs, at KTPP: 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 KTPP.

--- WBPDCCL representative may please deliberate.

Deliberation in the meeting.

*On 29.12.18 at 13:00 hrs, general L/O annunciation appeared at Bagnan Ckt Breaker. After that the said bay was diverted to B/T bay. During isolation of the Bagnan breaker, mistakenly, bus side live isolator of 132/6.6 KV Reserve Transformer #2 was opened and consequently, 02 nos. (315 MVA) IBTs and 03 nos. (160 MVA) Auto Transformers along with Unit#2 tripped and power failed at 132 KV bus of KTPP.*

*Representative of KTPP informed that installation of Bus differential is in process under PSDF Fund and LBB is being added which will be done with the help of internal Fund.*

*Gen loss: 140 MW (KTPP #2)*

*Load loss: 30 MW (Kolaghat S/S) from 13:00 to 14:08 hrs.*

*Restoration:*

- 1) 2 nos. IBT (315 MVA) Normalised at 13:30 hrs
- 2) 132 KV Kolaghat circuits normalised at 14:08 hrs (All PLS withdrawn at 14:08 hrs)

- 3) 160 MVA Tr. 1 normalized at 14: 00 hrs.
- 4) 160 MVA Tr. 2 normalized at 14: 09 hrs.
- 5) 132 KV Tamluk # 1,2 normalised at 14.10 hrs.
- 6) 132 KV Uluberia normalised at 17.38 hrs.
- 7) 132 KV Bagnan normalised at 17.39 hrs.
- 8) 160 MVA Tr 3 declared breakdown due to radiator leakage. Normalised on 03.01.19 at 10.57hrs.

**ITEM No. : 4. OPERATIONAL PLANNING:-**

**(a) Anticipated power supply position for the month of APRIL, MAY AND JUNE 2019  
(All figures are in MW) :-**

<b>Description</b>	<b>APRIL -2018</b>	<b>MAY -2018</b>	<b>JUNE -2018</b>
WBPDC Generation	2900	2900	2900
WBSEDCL Own Maximum Demand	6600	6300	6470
CESC Maximum Demand	2050	2190	2210
CESC Own gen. + HEL + IPP/CPP	820+540+45=1405	820+540+45=1405	820+540+45=1405
DPL Generation Availability	410	410	410
IPCL demand connected to J.K.Nagar system	90	90	90

**(b) Finalization of Shut Down proposal for the month of APRIL, MAY AND JUNE 2019 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:**

<b>UNIT</b>	<b>DURATION</b>	<b>REMARKS</b>
BkTPP #5	14.06.2019 to 23.06.19	Boiler license Renewal

## **ITEM No: 5. ISSUES RAISED BY SLDC:**

A. VAR absorption by WBPDC generators during lean hours at high system voltage.

### **Deliberation in the meeting:**

*Representative from WBSLDC have cited some cases of KTPS and BkTPP of low VAR absorption during lean hours at high system voltage. The issue was discussed in detail and WBPDC representative said that they are concerned about the matter and will initiate necessary corrective measures.*

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.

### **Deliberation in the meeting:**

*All concerned constituents have confirmed that they will take up the matter with their higher authority and intimate 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.

### **Deliberation in the meeting:**

*Regarding integration of 33 KV feeders at SLDC SCADA to verify the load of 33 KV feeders and AUFLS, representatives of CESC have confirmed that communication wing, CESC will take up the matter with Communication wing, WBSETCL. On the issue of sending monthly report regarding UFR load mapping, CESC have agreed for the same.*

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

### **6.1. Agenda note put up by WBSEDCL**

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.

### **Deliberation in the meeting:**

*WBSLDC representatives accepted that fact of frequent outage of SLDC website and expressed regret for the same. However, it was also deliberated that sending schedule through e-mails to constituents particularly in case of outage of SLDC's website is a normal procedure which is diligently followed.*

B. At present power positions prepared for 03.00,06.00,09.00,10.30,12.00,15.00,18.00/19.00 & 22.00 hrs 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.

**Deliberation in the meeting:**

*As tie-line data are collected by sub-station operating personnel, it is not possible to furnish data of 15 minutes average. On this issue, SLDC has to depend on instantaneous values.*

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.

**Deliberation in the meeting:**

*After detailed discussion, it was noted that as it is the issue of time synchronization problem among the inter-state ABT meters and between SCADA & ABT meters, the issue may be placed to OCC forum for necessary action.*

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.)

**Deliberation in the meeting:**

*On this issue, the representative of WBSLDC expressed that they are already concerned about the matter and is already taking operational measures keeping in mind the safety of the integrated Grid.*

**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 par 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.

**Deliberation in the meeting:**

*On this issue, representative of WBSLDC expressed that meters are being maintained by CTU/STU and therefore, regarding time synchronization of meters, SgTPP was advised to take up the matter with concerned authority.*

B. Provide revision update time stamp at WBSLDC website.

**Deliberation in the meeting:**

*On this issue, representative of WBSLDC has informed that they will take up the matter with the vendor regarding revision updating 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 quite 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.

**Deliberation in the meeting:**

*On this issue, representative of WBSLDC has informed that they will take up the matter with the vendor to explore the possibility of giving a pop up against revision of schedule with auto refresh at WBSLDC website.*

**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.

**Deliberation in the meeting:**

*The matter has already been discussed under the Agenda no 6.2.B*

**3. Zigzag type SG by ALDC**

ALDC is giving Zigzag SG to BkTPP particularly in Night shift without any convincing logic [Pl. 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

**Deliberation in the meeting:**

*On this issue, it was elaborated that SG of PDCL generating stations are being prepared by SLDC after balancing of available generation of Generating Station and forecasted demand of WBSEDCL. WBSEDCL has expressed that they are giving their forecasted demand only and zigzag schedule is the result of balancing load and generation during scheduling procedure.*

#### 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 71st Block and under injection in 72nd Block 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

#### Deliberation in the meeting:

*On the issue against (a), it was discussed that as per present practice, in 1<sup>st</sup> block half ramp and in 2<sup>nd</sup> block full ramp up/down is applicable during scheduling process. In the given example, on 19/02/19 as there was back down in 12<sup>th</sup> block, hence in 13<sup>th</sup> block full ramp was given.*

*On the issue against (b), it was discussed that DC is given by generating station and in the block of unit synchronization, the DC is being considered as furnished by the station itself without any other consideration. As DC of 280 MW in 72nd block is given by generating station itself and unit no. was changed in 72nd block, 280 MW DC has been considered during scheduling process.*

#### 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.

#### Deliberation in the meeting:

*On this issue, the house advised BkTPP to take up the matter with Testing Wing, WBSETCL.*

#### 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.



**Deliberation in the meeting:**

*As there was no representative from Transmission (O&M),WBSETCL, the issue was not discussed.*

**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 in operative 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.

**Deliberation in the meeting:**

*As there was no representative from Transmission (O&M),WBSETCL, the issue was not discussed.*

**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 tipping**

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

**Deliberation in the meeting:**

*All the above mentioned issues are related to DSM (4<sup>th</sup> Amendment), Regulations, 2018 of Hon'ble CERC. In intra-state it is only being implemented. Proposal for any amendment or change cannot be initiated at this forum. Concerned entity may consider for approaching Hon'ble CERC through petition.*

**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.

**Deliberation in the meeting:**

*On this issue, after details discussion it was elaborated that decision of avoiding backing down i.r.o Unit #5 can 'not be taken at this forum. The concerned entity was advised to take up the matter with competent higher authority.*

**ITEM No: 7. Date and venue of next SLCF (i.e. 58<sup>th</sup>) Meeting.**

*It will be intimated in due course of time.*

**ITEM No: 8. MISCELLANEOUS:**

**8.1. Agenda note put up by CESC**

A. Back up setting enhancement at Howrah and Titagarh point.

**Deliberation in the meeting:**

*Representative from CESC informed that at Howrah point there are 3 nos. Of WBSETCL-CESC ckts out of which the capacity has been enhanced against Ckt 1 and and Ckt #3. Considering that CESC placed the request for enhancement of Backup setting to 800 amp i.r.o Ckt #1and Ckt #3 instead of 600 amp. They also proposed for back up setting enhancement at Titagarh from 300 amp to 600 amp.*

*The house advised CESC to take up the matter with CTD, WBSETCL.*

8.2. Agenda note put up by WBSLDC

A. Scheduling of PCBL


Deliberation in the meeting:

*WBSLDC representative elaborated that DPL has become a wholly owned subsidiary company in its re-structured form w.e.f 01.01.2019 as per Govt. notification no: 319/PO/O/C-IV/1E-60/13(Pt-VA) dated 08.12.2018 328/PO/O/C-IV/1E-60/13(Pt-VA) dated 26.12.2018 and 332/PO/O/C-IV/1E-60/13(Pt-VA) dated 31.12.2018. However, transfer of the asset and liability is yet to be settled. Therefore, henceforth, the DPL Network loss of 4% against the PCBL power will be applicable as previous method until any order from competent authority.*

B. Online payment of Open Access fees to WBSLDC Fund through WBSLDC website.

Deliberation in the meeting:

*WBSLDC representative informed that the facility of online payment of Open Access fees and charges through WBSLDC Website portal will be available soon. Tentative date for commencement is 1<sup>st</sup> April, 2019.*

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

## **Annexure -1**

<b><u>Transmission Lines</u></b>			
<b>Sl. No.</b>	<b>Identification of equipments</b>	<b>Date &amp; Time</b>	
1	400 KV Jeerat-Rajarhat(PG) ckt (LILO of 400 KV Jeerat-Subhasgram(PG) ckt at Rajarhat(PG) S/S)	Charged and loaded on 28/01/19	
2	220 KV Jeerat-Rajarhat(PG) D/C & 220 KV New Town AA3-Rajarhat(PG) D/C (LILO of 220 KV Jeerat-New Town AA3 D/C at Rajarhat(PG) S/S)	Charged and loaded on 01/02/19	
3	132 KV Raghunathgunj-New Sagardighi Ckt #1 & 2	Commissioned and loaded on 28/01/2019	
4	132 KV Gokarna-Bhadrapur Ckt #2	Commissioned and loaded on 28/01/2019	
5	132 KV Rampurhat – Bhadrapur D/C	Commissioned and loaded on 21/02/2019	
<b><u>Transformers</u></b>			
<b>Sl. No.</b>	<b>Identification of equipments</b>	<b>Date &amp; Time</b>	
1	220/132 KV 160 MVA Tr. #1 at Domjur S/S (Replacing old 100 MVA Tr.)	Commissioned and loaded on 09/02/2019	
2	220/132 KV 160 MVA Tr. #3 at New Town AA3 S/S	Commissioned and charged on 30/12/18 and loaded on 31/12/2018	
<b><u>Newly Commissioned Sub-stations</u></b>			
<b>Sl. No.</b>	<b>Location</b>	<b>Identification of equipments</b>	<b>Date &amp; Time</b>
1	220 KV (GIS) NEW SAGARDIGHI Sub/stn.	220 KV New Sagardighi-Gokarna D/C 220 kv New Sagdighi-SgTPP D/C (LILO of 220 KV Gokarna-SgTPP D/C)	Charged on 23/12/18.
		220/132/33 KV 160 MVA Tr. #1 & 2	Commissioned & charged on 23/12/18 respectively.

Memo No. SLDC/ How/ 109/ 2019-20/ 126(1-37)

Dated : 30/04/2019

Copy for information please:-

1. The Secretary, WBERC,FD-415A, PouraBhavan, 3<sup>rd</sup> 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.

*Dibyendu Bhattacharya*  
30/04/19  
Convenor, SLCF