

## **MINUTES OF THE 72<sup>nd</sup> SLCF MEETING HELD ON 15/05/2024**

**Smt. R. Chakraborty, Chief Engineer (SLDC), WBSETCL & Chairman, SLCF** welcomed all the participant members to the **71<sup>st</sup>** SLCF meeting at the SLDC conference room.

### **ITEM No: 1 CONFIRMATION OF THE MINUTES OF 71<sup>st</sup> SLCF MEETING HELD ON 18.01.2024.**

The minutes were circulated vide memo no: **SLDC/How/109/2023-24/801(1-27)** dated 05/02/2024. The minutes of the **71<sup>st</sup>** SLCF meeting was taken as accepted.

### **ITEM No: 2. REVIEW OF STATE GRID PERFORMANCE:**

Divisional Engineer, SLDC delivered a Power point presentation on the grid performance based on operational statistics for the period of **January-24, February-24, March-24.**

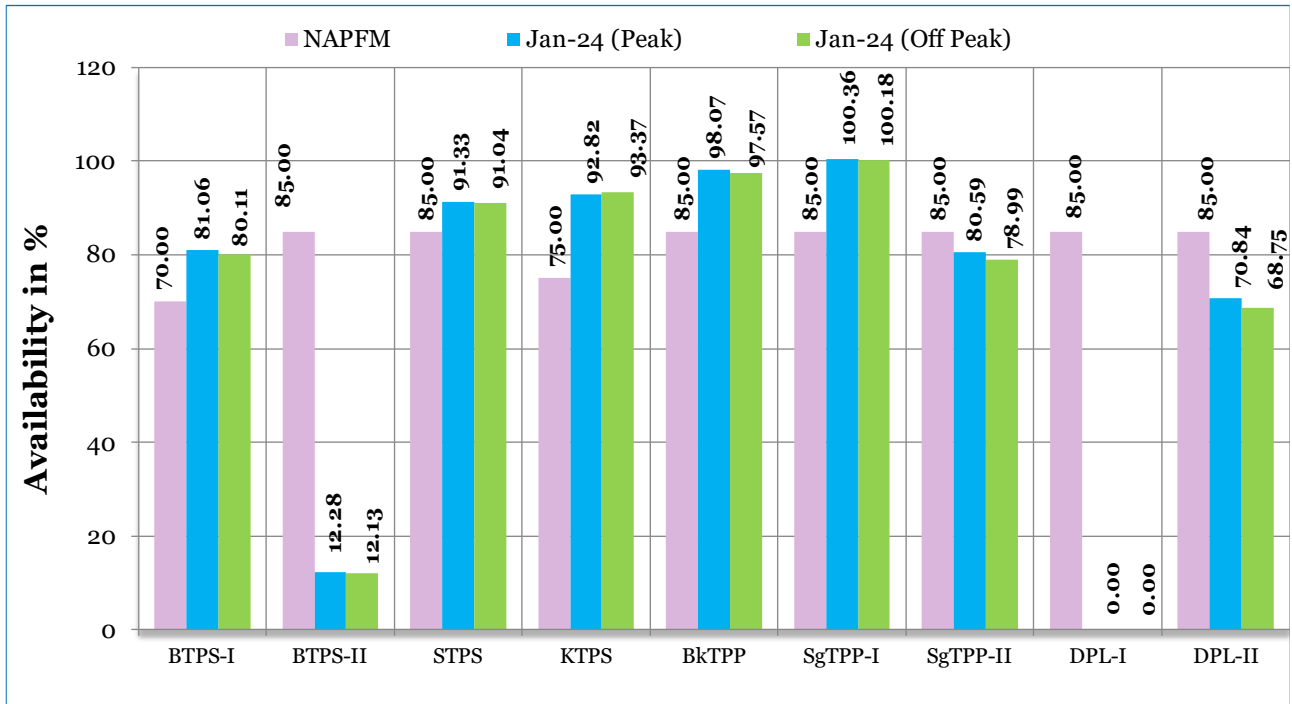
A critical analysis on the January-24, February-24, March-24 grid performance reveals the following:

Declared month wise Peak hours in the following table:

Month	Peak Period (Hours)
January-2024	17:00 - 21:00
February-2024	17:00 - 21:00
March-2024	18:00 – 22:00

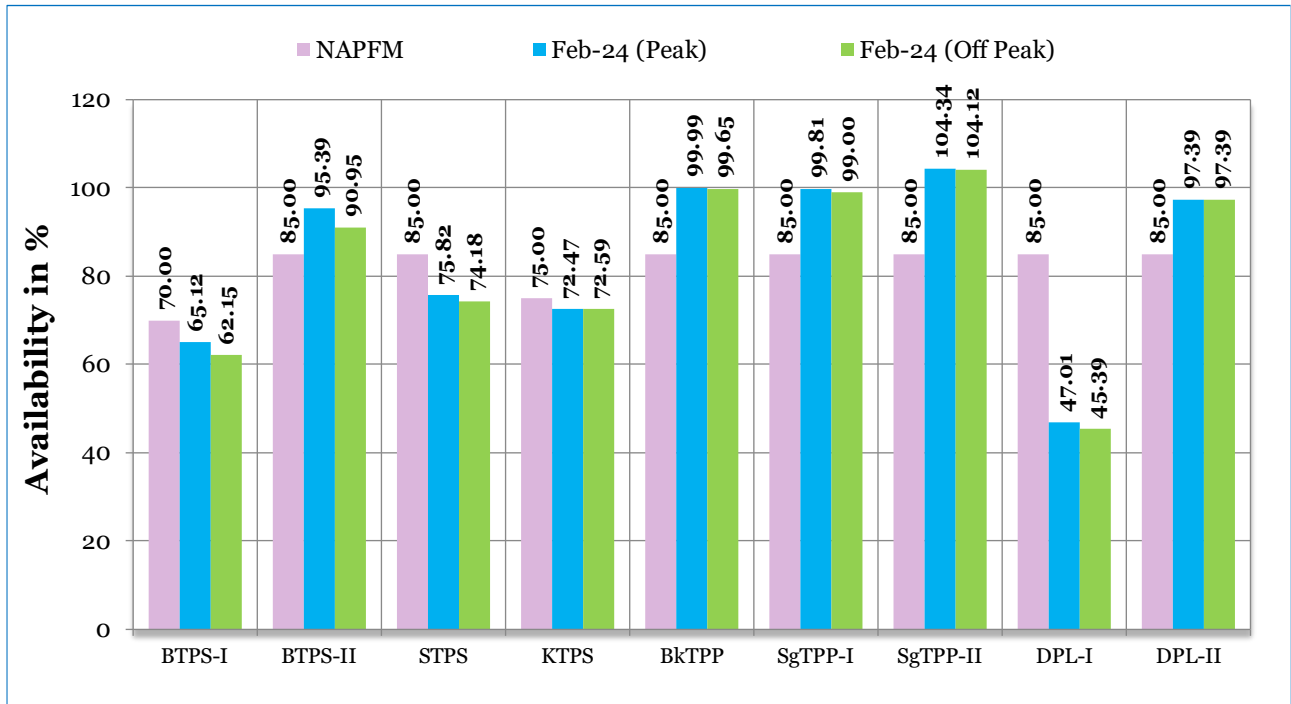
2.1 Availability of WBPDC power plants in terms of \*NAPAF & \*PAFM for the month of January-24, February-24, March-24 are as follows:

**PAFM OF WBPDC POWER PLANTS**  
**FOR THE MONTH OF JANUARY-24 IN PEAK & OFF PEAK HOURS**



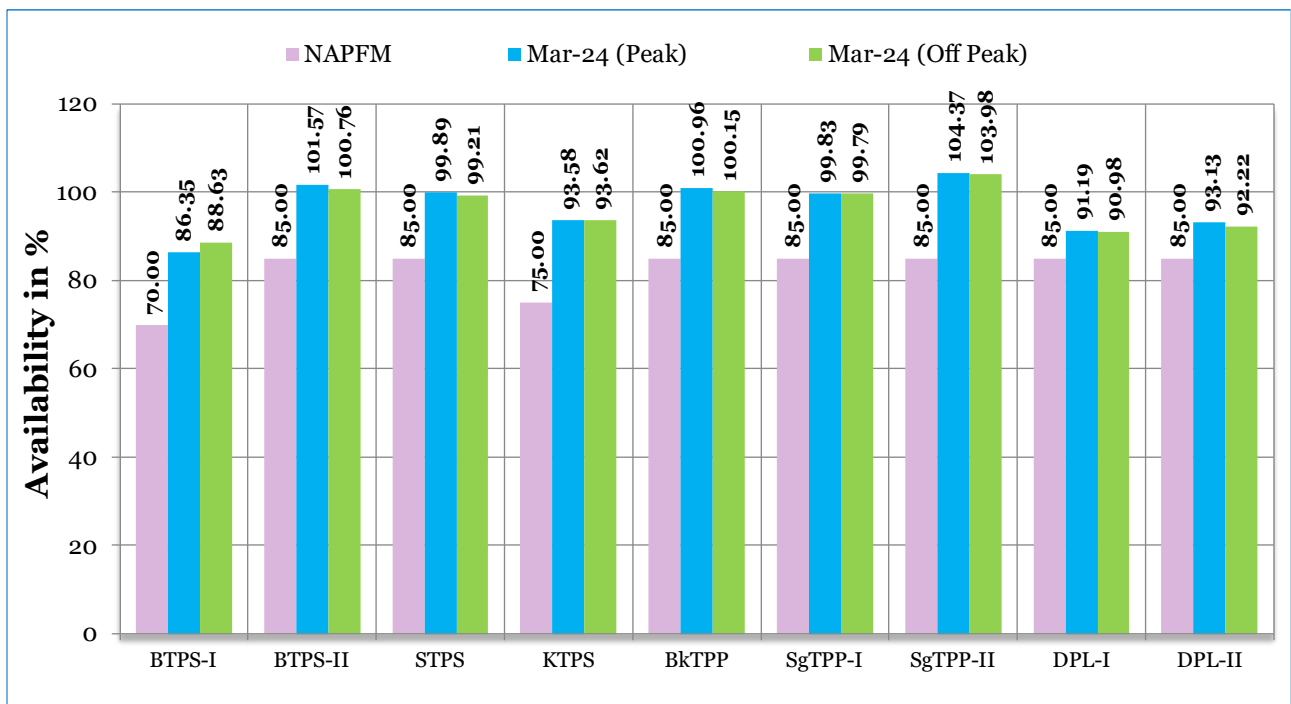
**NAPAF : Normative Annual Plant Availability Factor(in %)**  
**PAFM : Plant Availability Factor achieved during the Month(in %)**

**PAFM OF WBPDC POWER PLANTS**  
**FOR THE MONTH OF FEBRUARY-24 IN PEAK & OFF PEAK HOURS**



**NAPAF : Normative Annual Plant Availability Factor(in %)**  
**PAFM : Plant Availability Factor achieved during the Month(in %)**

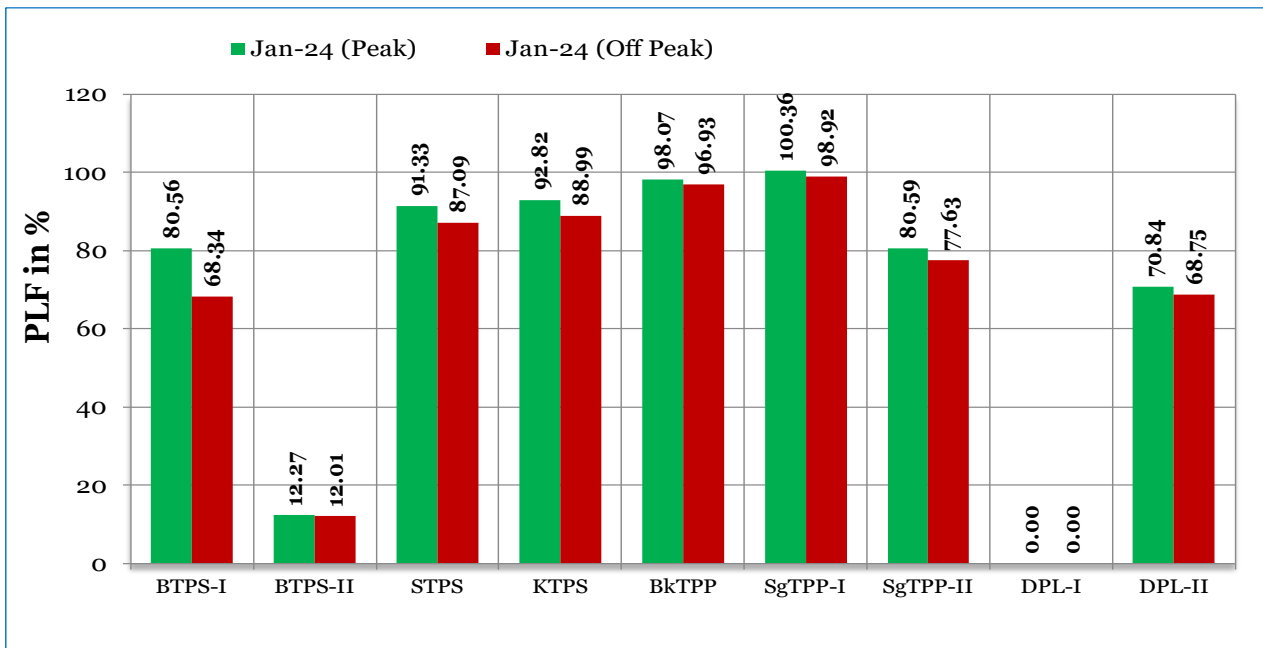
**PAFM OF WBPDC POWER PLANTS**  
**FOR THE MONTH OF MARCH-24 IN PEAK & OFF PEAK HOURS**



**NAPAF : Normative Annual Plant Availability Factor(in %)**  
**PAFM : Plant Availability Factor achieved during the Month(in %)**

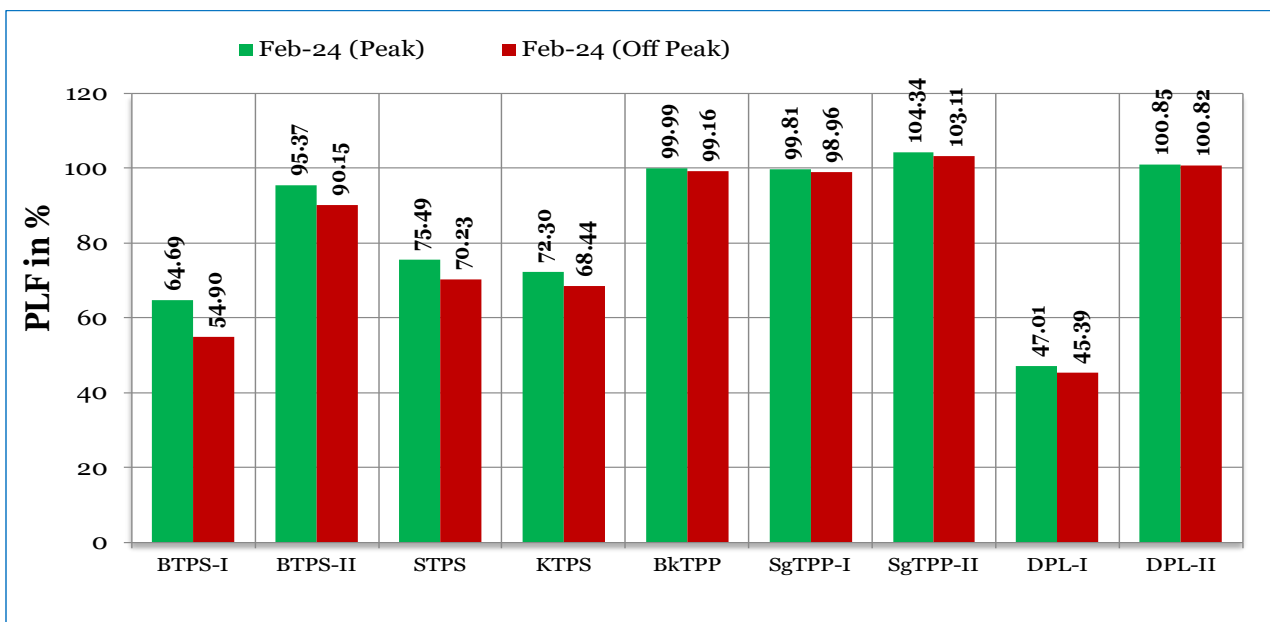
**2.2 : PLF OF WBDCL POWER PLANTS FOR THE MONTH OF JANUARY-24, FEBRUARY-24 & MARCH-24 IN PEAK & OFF PEAK HOURS**

**PLF OF WBDCL POWER PLANTS FOR THE MONTH OF JANUARY-24 IN PEAK & OFF PEAK HOURS**



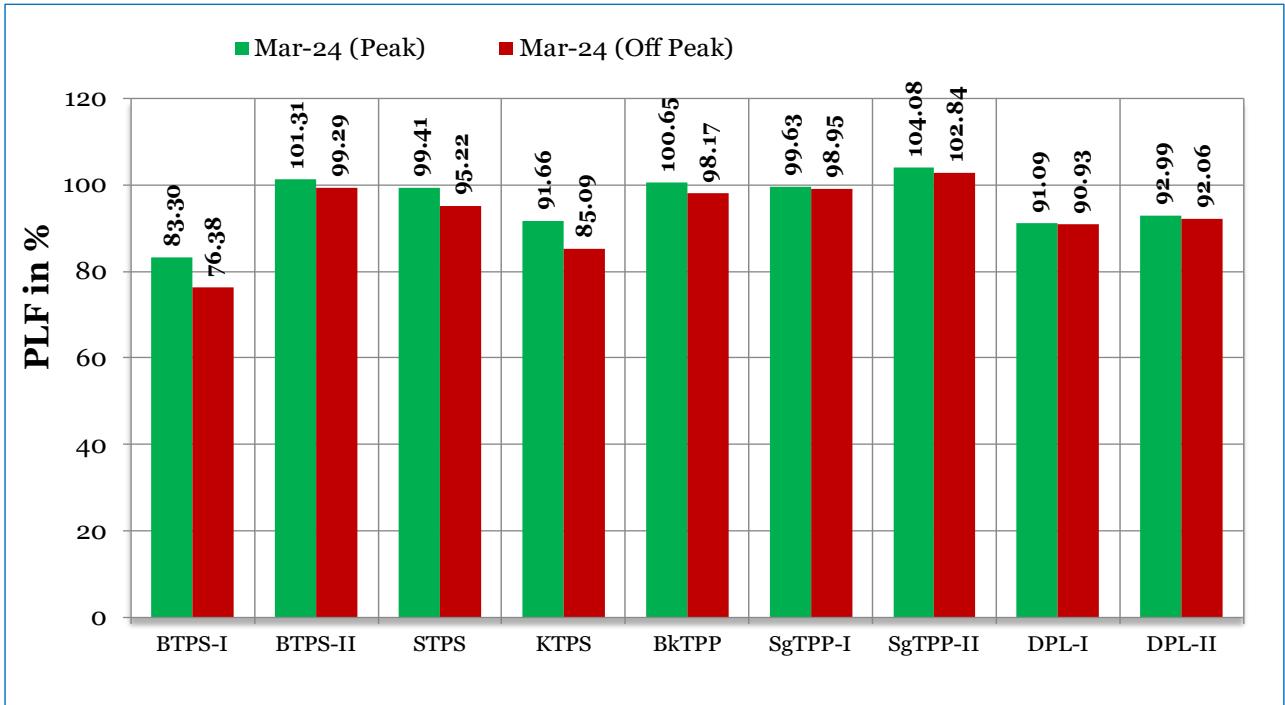
**PLF : Plant Load Factor achieved during the Month(in %)**

**PLF OF WBDCL POWER PLANTS FOR THE MONTH OF FEBRUARY-24 IN PEAK & OFF PEAK HOURS**



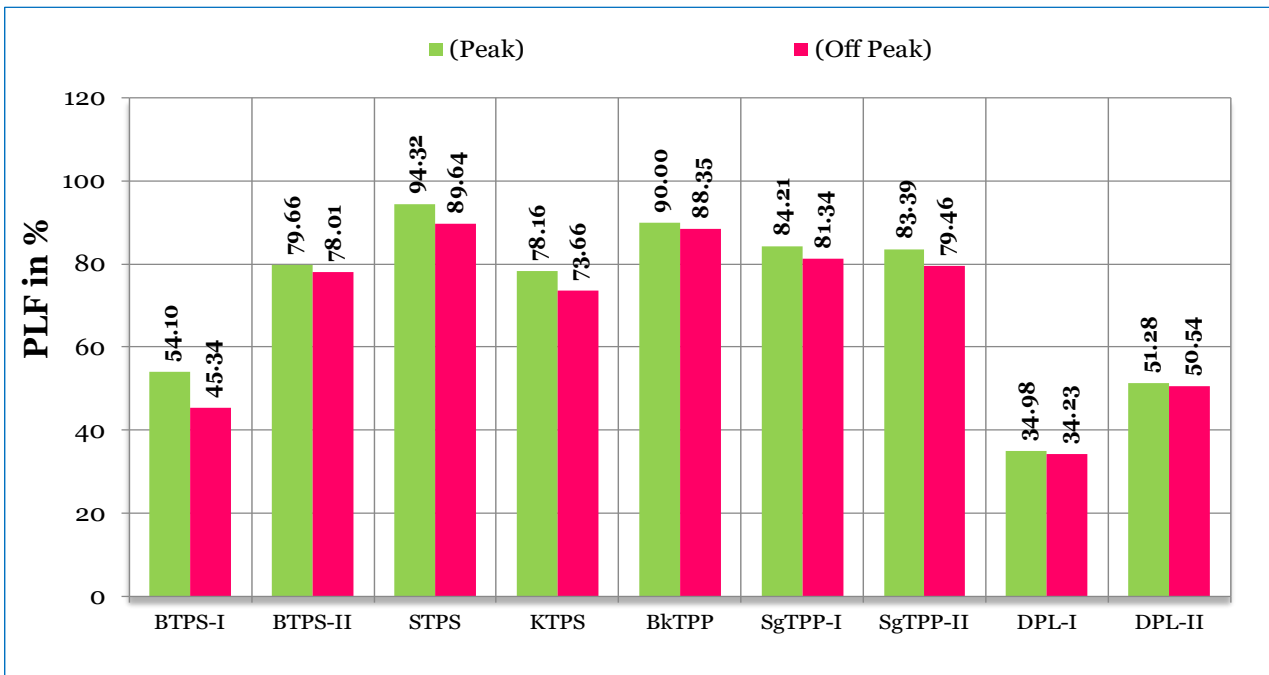
**PLF : Plant Load Factor achieved during the Month(in %)**

**PLF OF WBDCL POWER PLANTS  
FOR THE MONTH OF MARCH-24 IN PEAK & OFF PEAK HOURS**



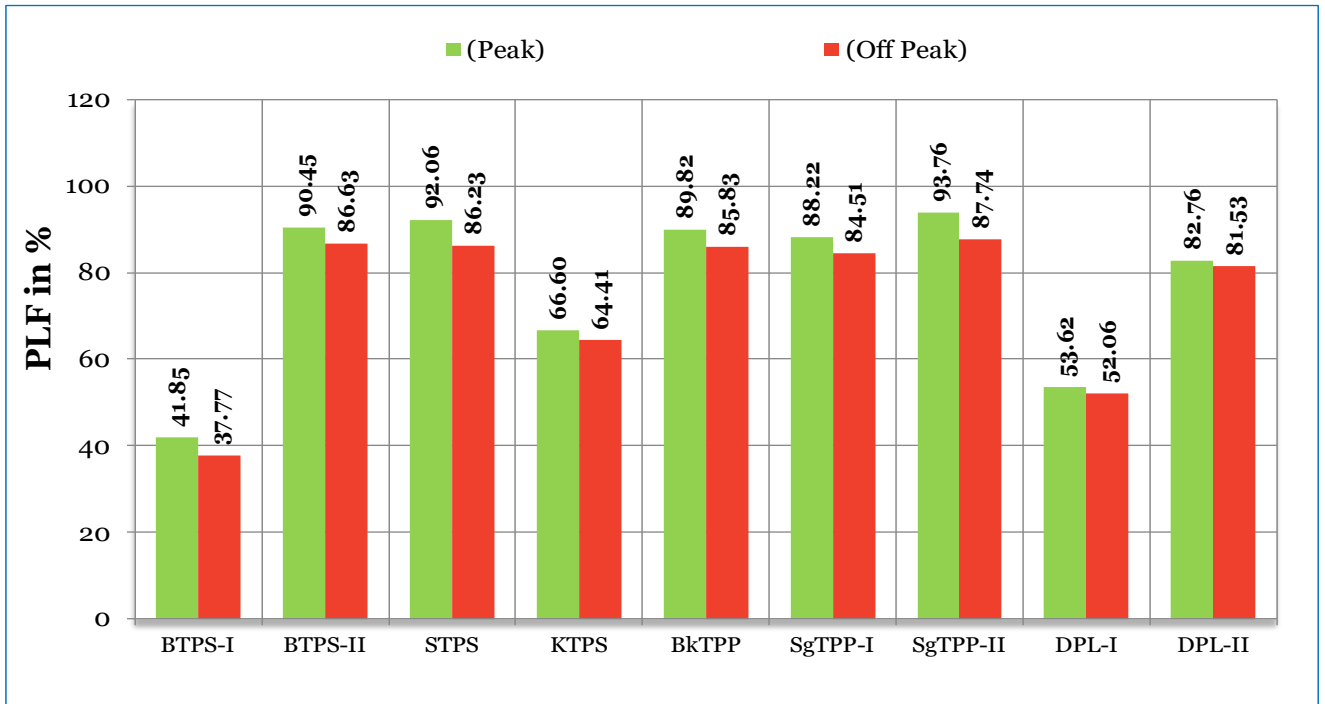
**PLF : Plant Load Factor achieved during the Month(in %)**

**PLF OF WBDCL POWER PLANTS FOR  
LOW DEMAND SEASON  
OF FINANCIAL YEAR 2023-24 IN PEAK & OFF PEAK HOURS**



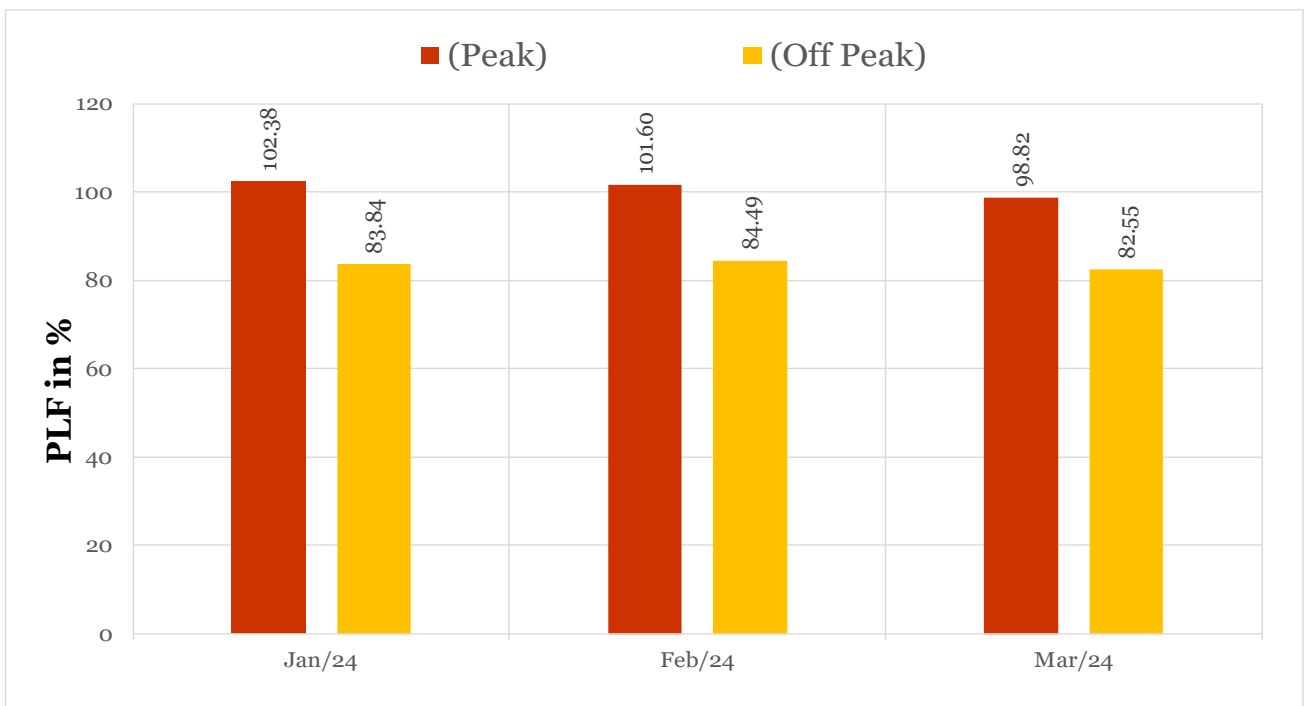
**PLF : Plant Load Factor achieved during the FY (in %)**

**PLF OF WBPDC POWER PLANTS FOR  
HIGH DEMAND SEASON  
OF FINANCIAL YEAR 2023-24 IN PEAK & OFF PEAK HOURS**



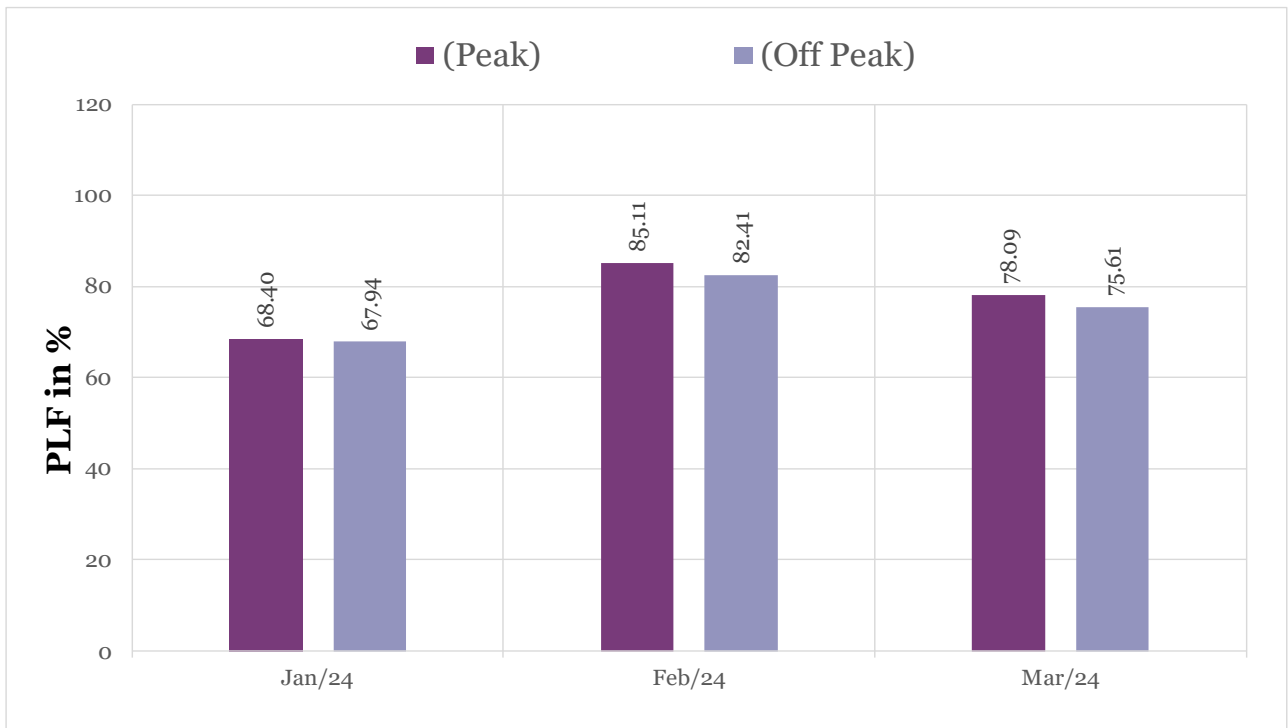
**PLF : Plant Load Factor achieved during the FY (in %)**

**PLF OF HEL POWER PLANT FOR THE MONTH OF  
JANUARY, FEBRUARY & MARCH-24 IN PEAK & OFF PEAK HOURS**



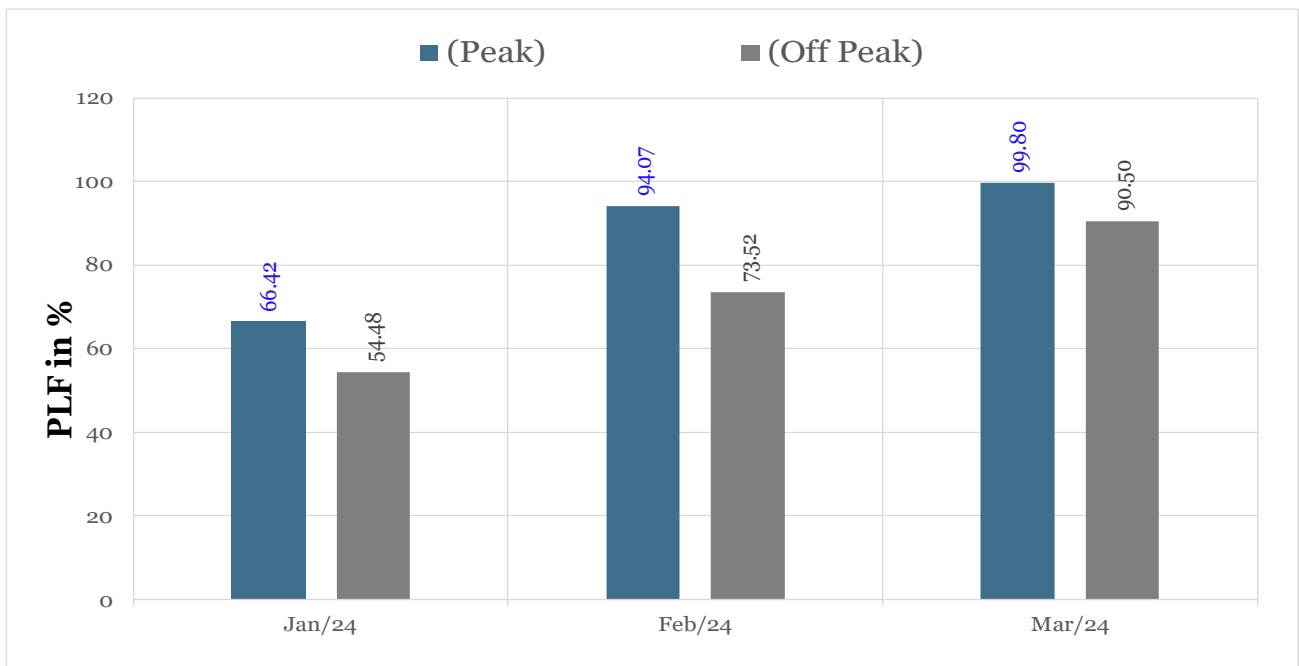
**PLF : Plant Load Factor achieved during the Month(in %)**

**PLF OF Hir-EL POWER PLANT FOR THE MONTH OF  
JANUARY, FEBRUARY & MARCH-24 IN PEAK & OFF PEAK HOURS**



**PLF : Plant Load Factor achieved during the Month(in %)**

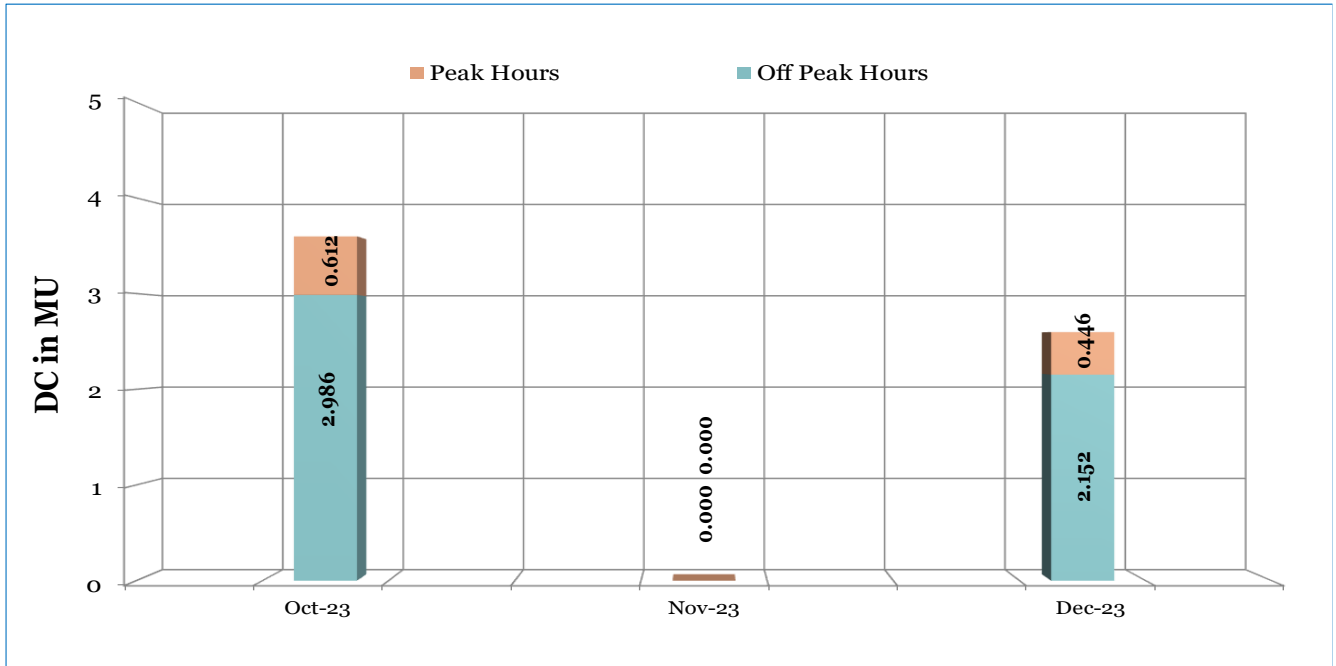
**PLF OF BUDGE-BUDGE POWER PLANT FOR THE MONTH OF  
JANUARY, FEBRUARY & MARCH-24 IN PEAK & OFF PEAK HOURS**



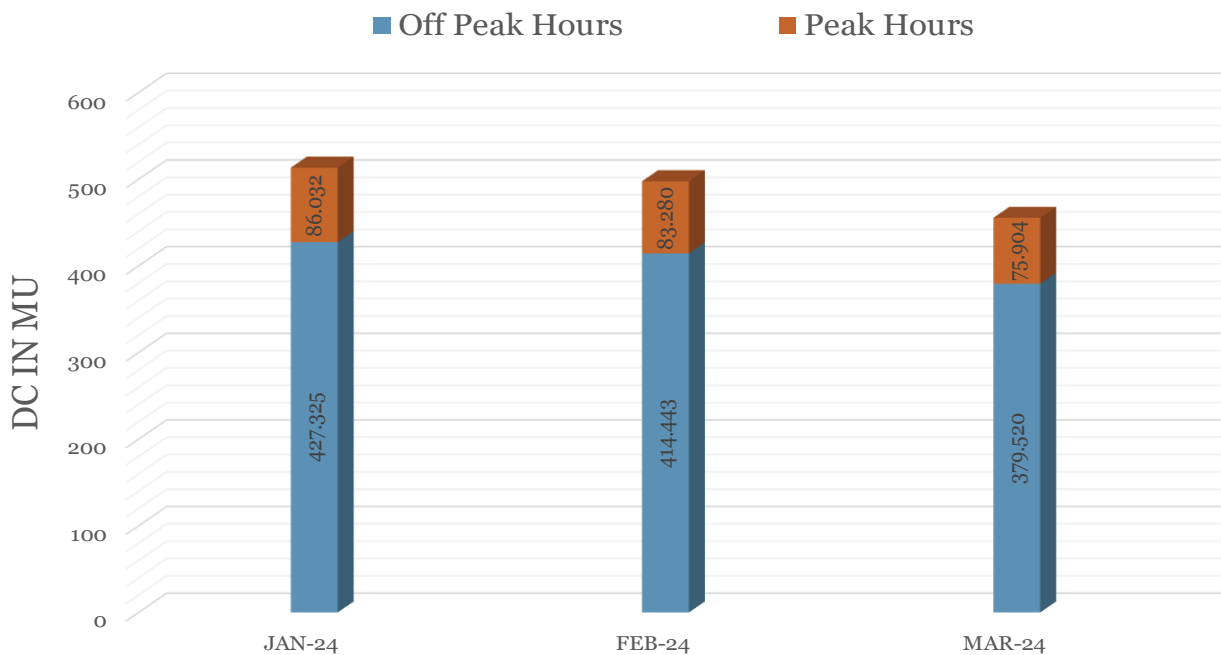
**PLF : Plant Load Factor achieved during the Month(in %)**

**2.3:DECLARED CAPACITY OF DPSC, BUDGE BUDGE AND SOUTHERN POWER PLANT IN PEAK &OFF-PEAK HOURS**

**DECLARED CAPACITY OF DPSC POWER PLANT FOR THE MONTH OF OCTOBER-23, NOVEMBER-23, DECEMBER-23 IN PEAK & OFF PEAK HOURS**

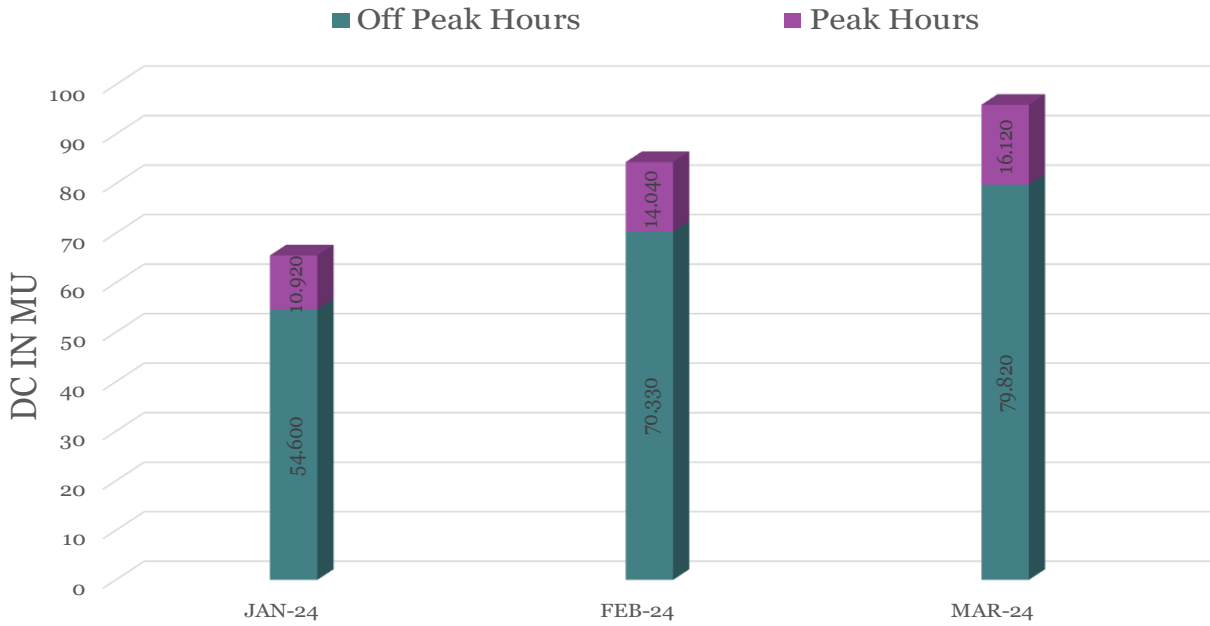


**DECLARED CAPACITY OF BUDGE-BUDGE (CESC) POWER PLANT FOR THE MONTH OF JANUARY-24, FEBRUARY-24 AND MARCH-24 IN PEAK & OFF PEAK HOURS**

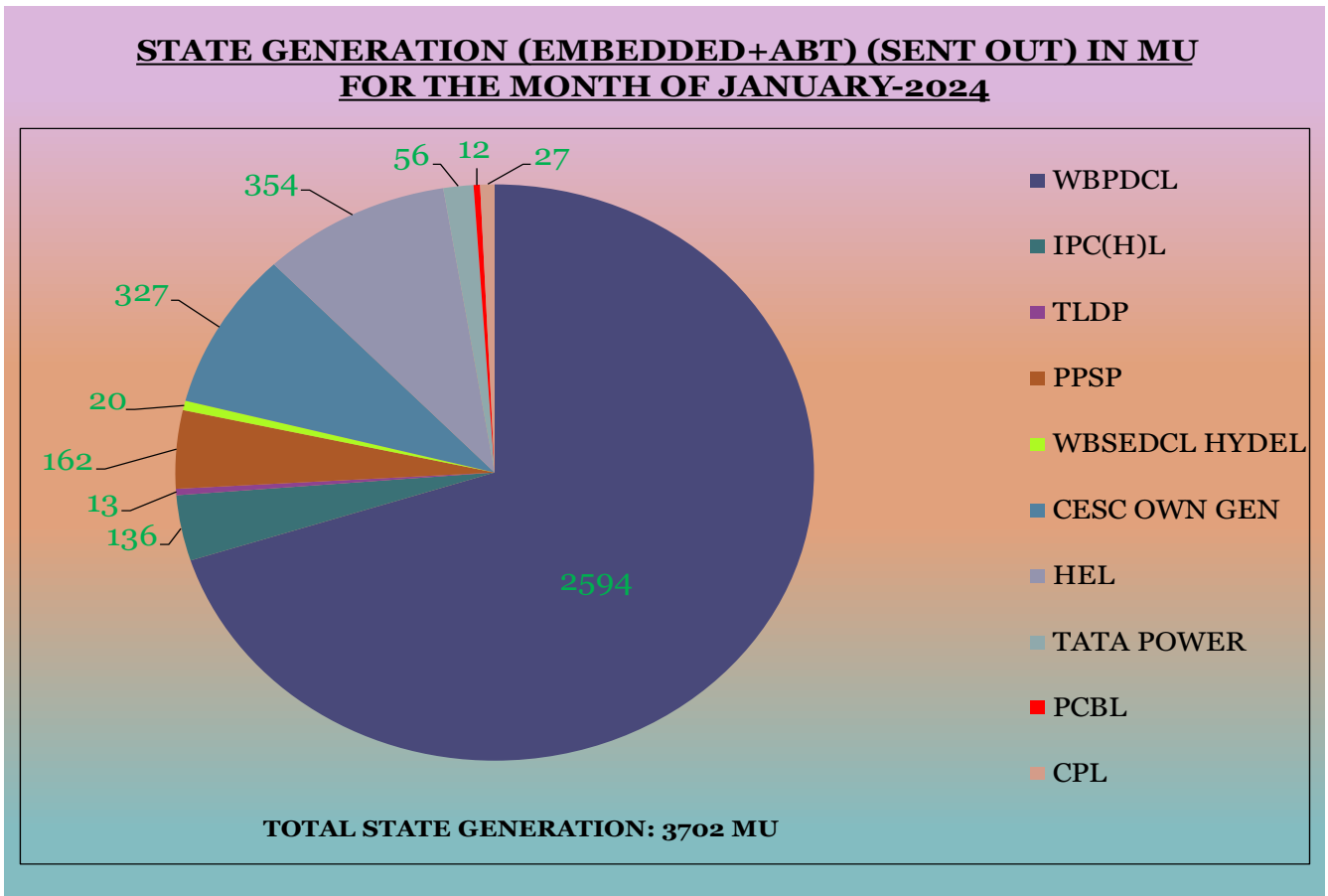




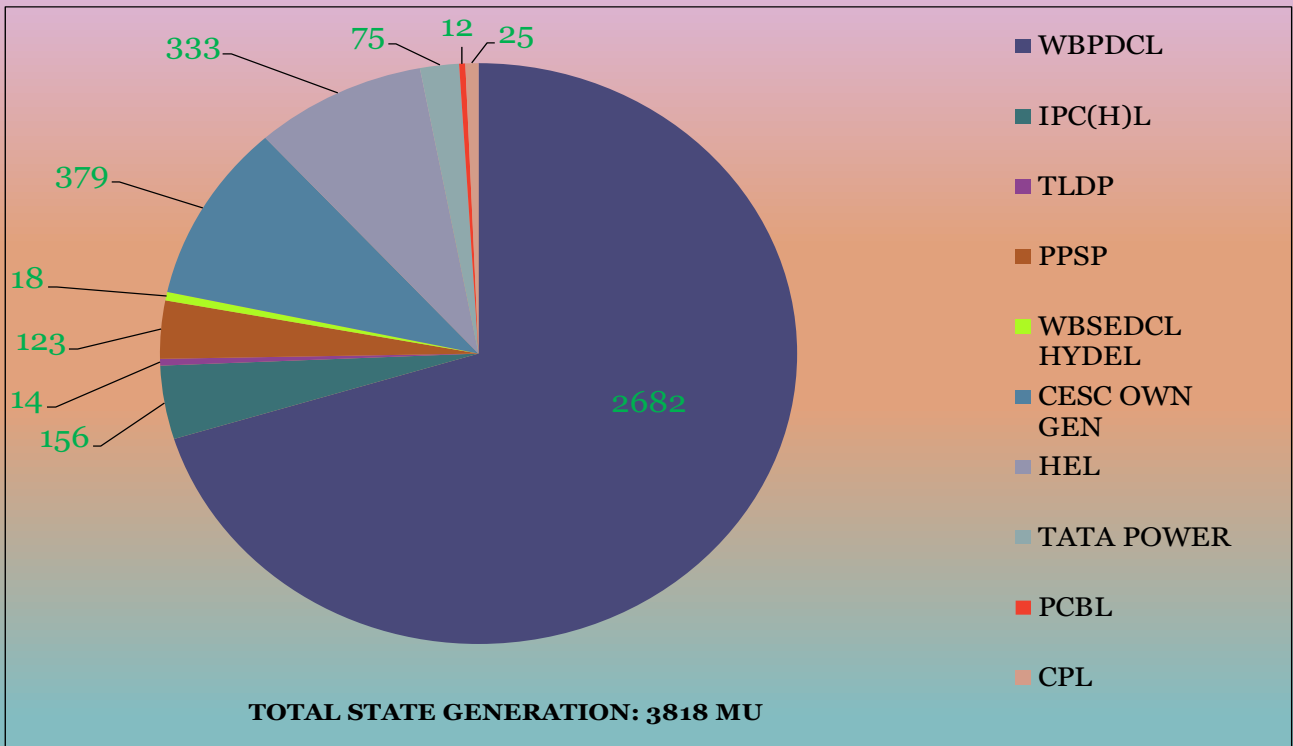
**DECLARED CAPACITY OF SOUTHERN (CESC) POWER PLANT FOR THE MONTH OF JANUARY-24, FEBRUARY-24 AND MARCH-24 IN PEAK & OFF PEAK HOURS**



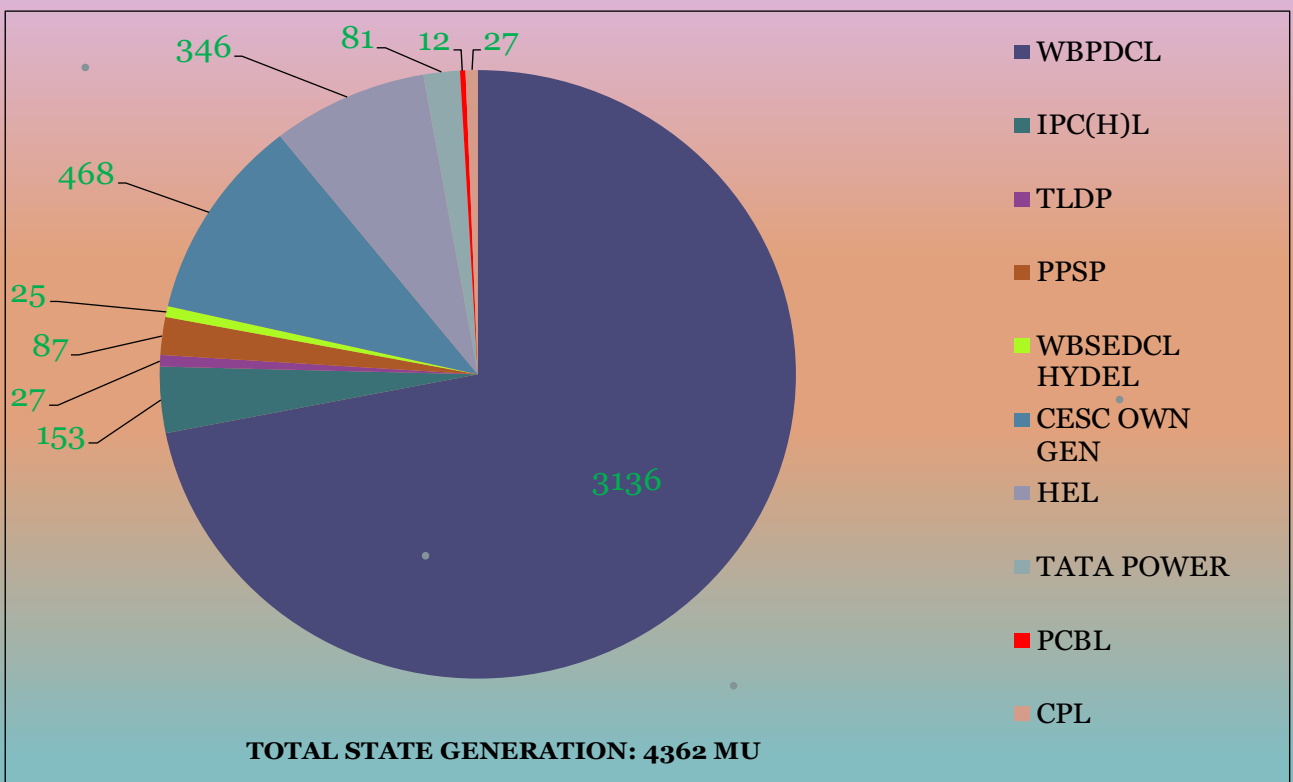
**2.4: STATE GENERATION (EMBEDDED+ABT) (SENT OUT) IN MU FOR THE MONTH OF JANUARY, FEBRUARY & MARCH-24**



**STATE GENERATION (EMBEDDED+ABT) (SENT OUT) IN MU  
FOR THE MONTH OF FEBRUARY-2024**

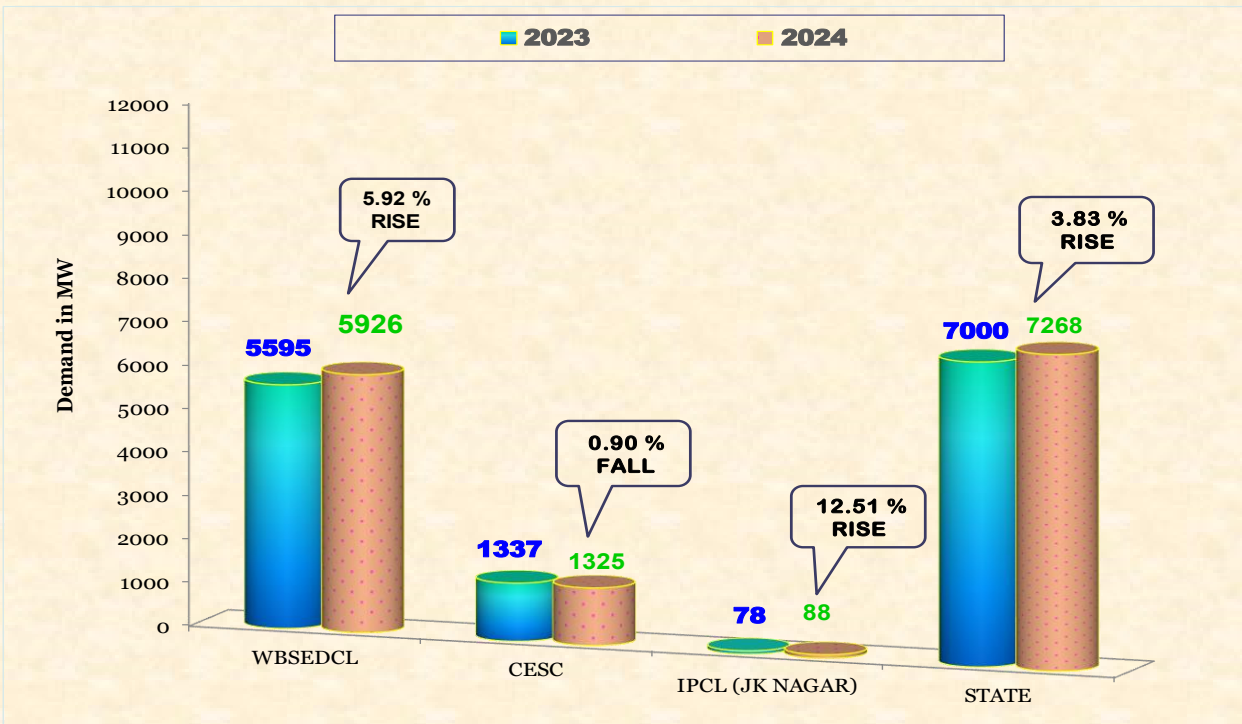


**STATE GENERATION (EMBEDDED+ABT) (SENT OUT) IN MU  
FOR THE MONTH OF MARCH-24**

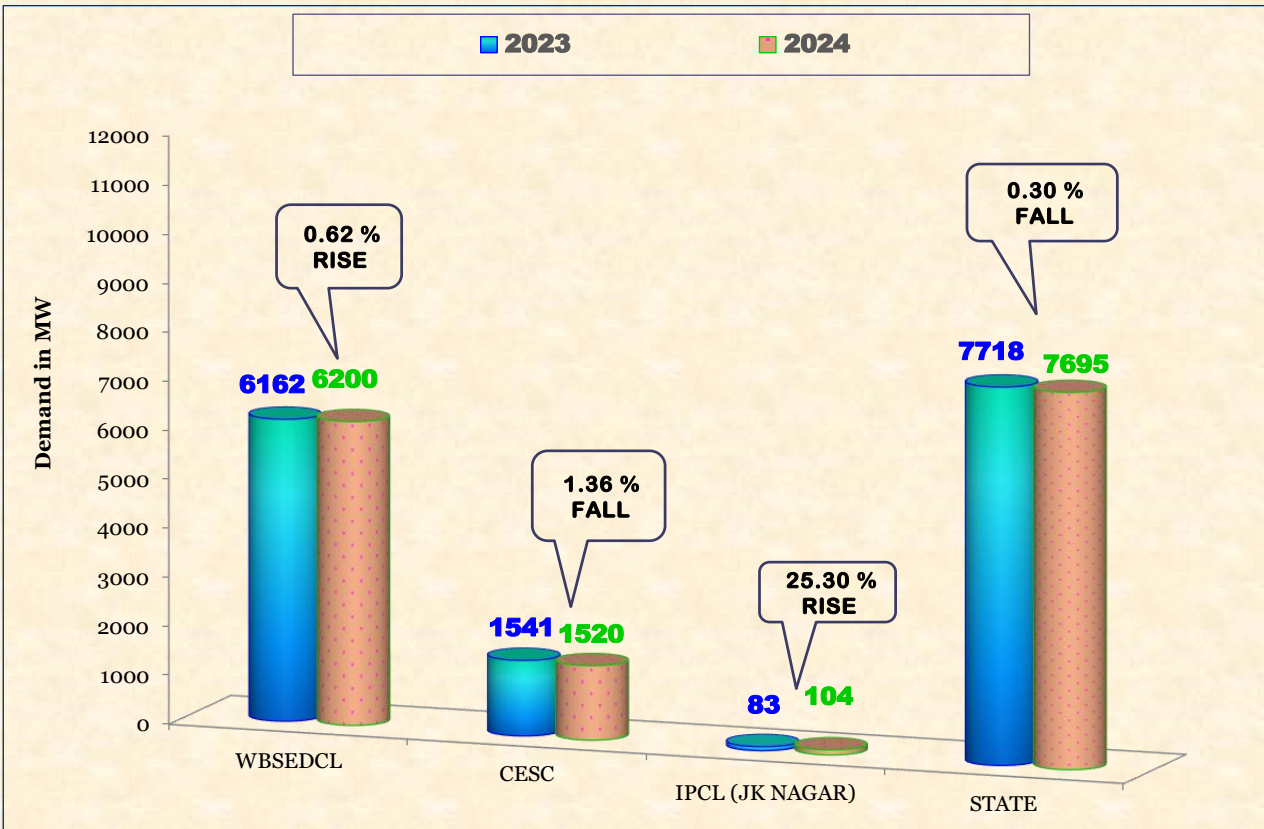


**2.5 : MONTH-WISE MAXIMUM DEMAND (POTENTIAL) in MW during JANUARY-24, FEBRUARY-24& MARCH-24.**

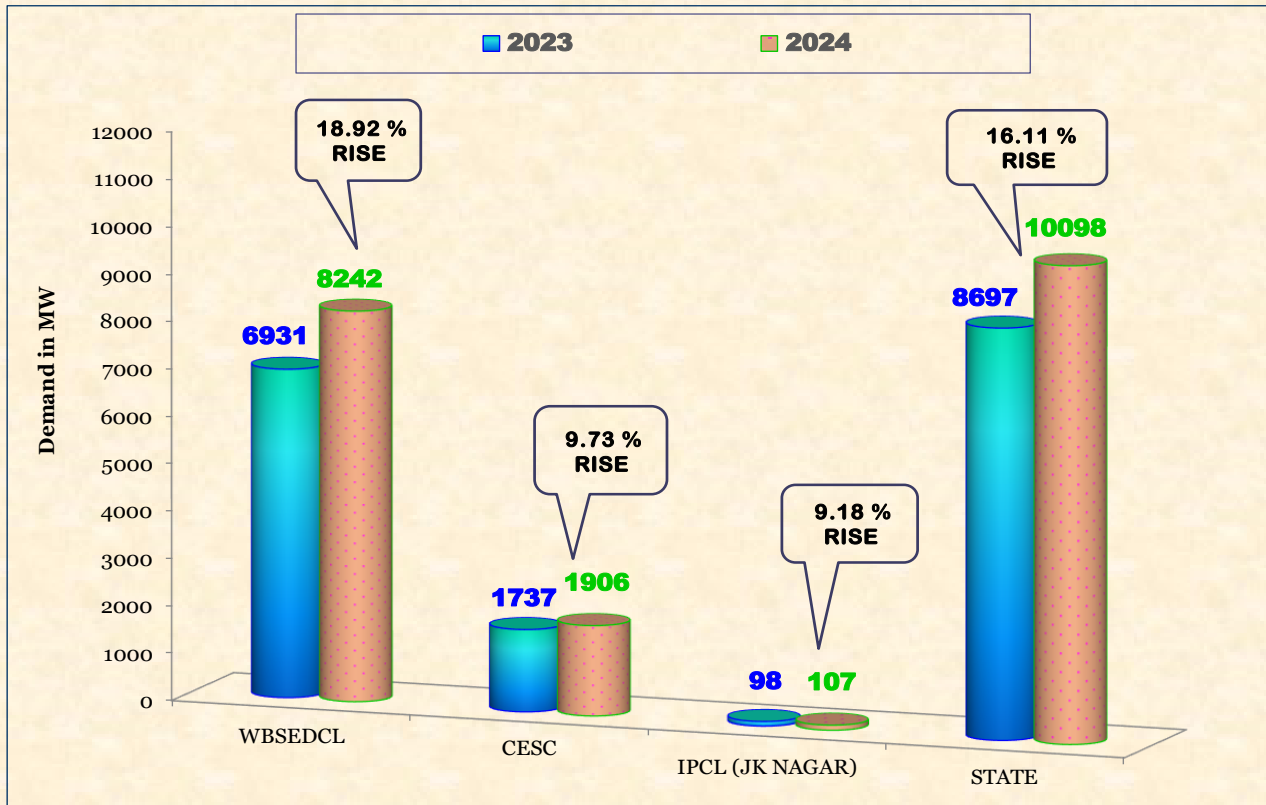
**MONTH-WISE MAXIMUM DEMAND (POTENTIAL) in MW during JAN-24**



**MONTH-WISE MAXIMUM DEMAND (POTENTIAL) in MW during FEB-24**

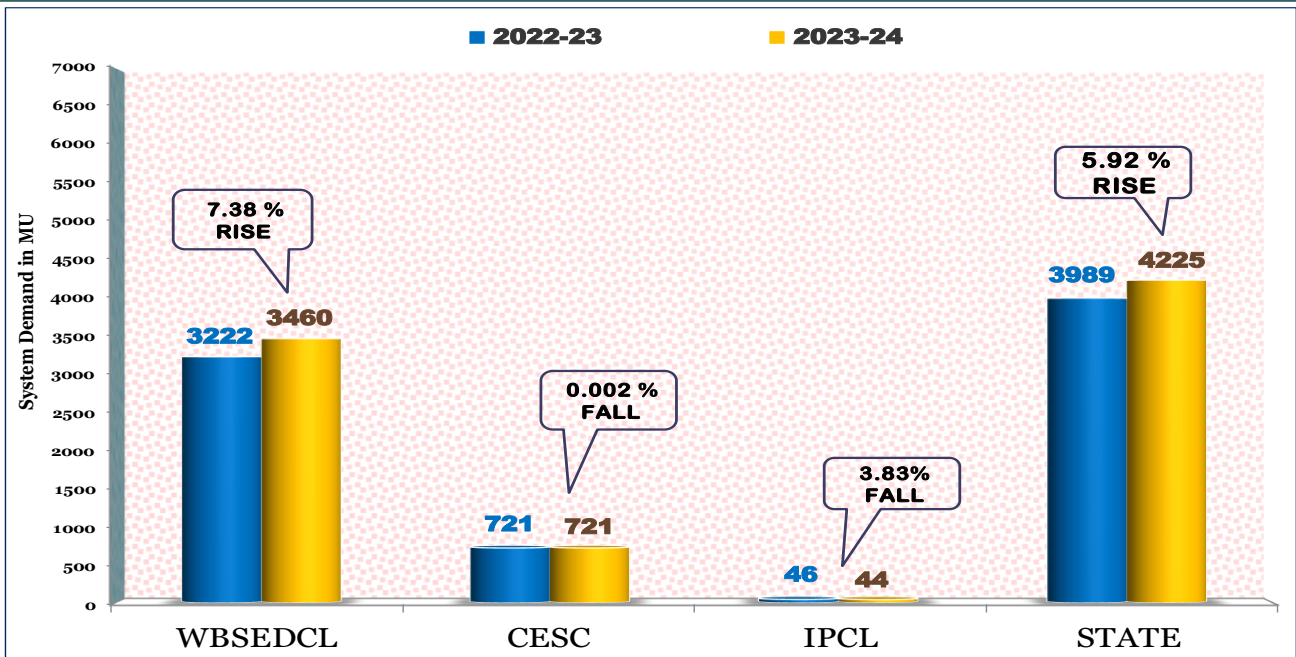


## MONTH-WISE MAXIMUM DEMAND (POTENTIAL) in MW during MAR-24



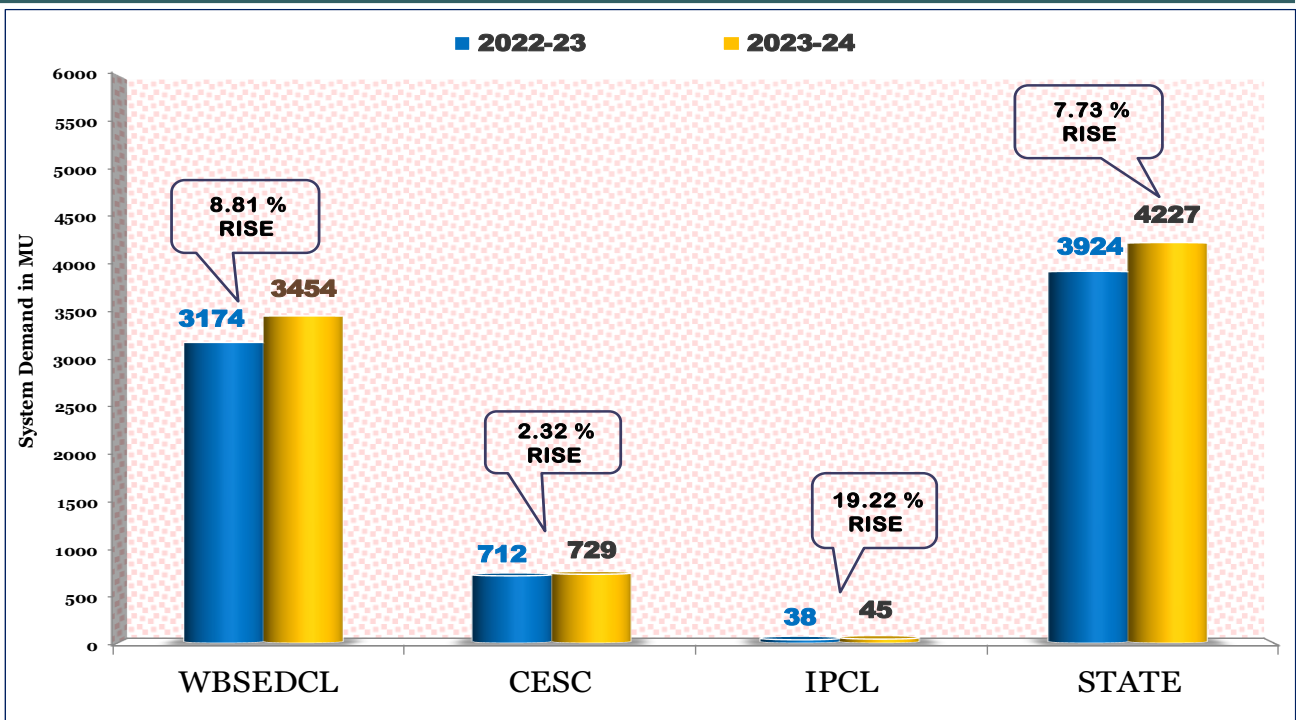
## 2.6 : SYSTEM DEMAND POTENTIAL (in MU) IN JANUARY-24, FEBRUARY-24 & MARCH-24.

### SYSTEM DEMAND POTENTIAL (in MU) IN JANUARY -24



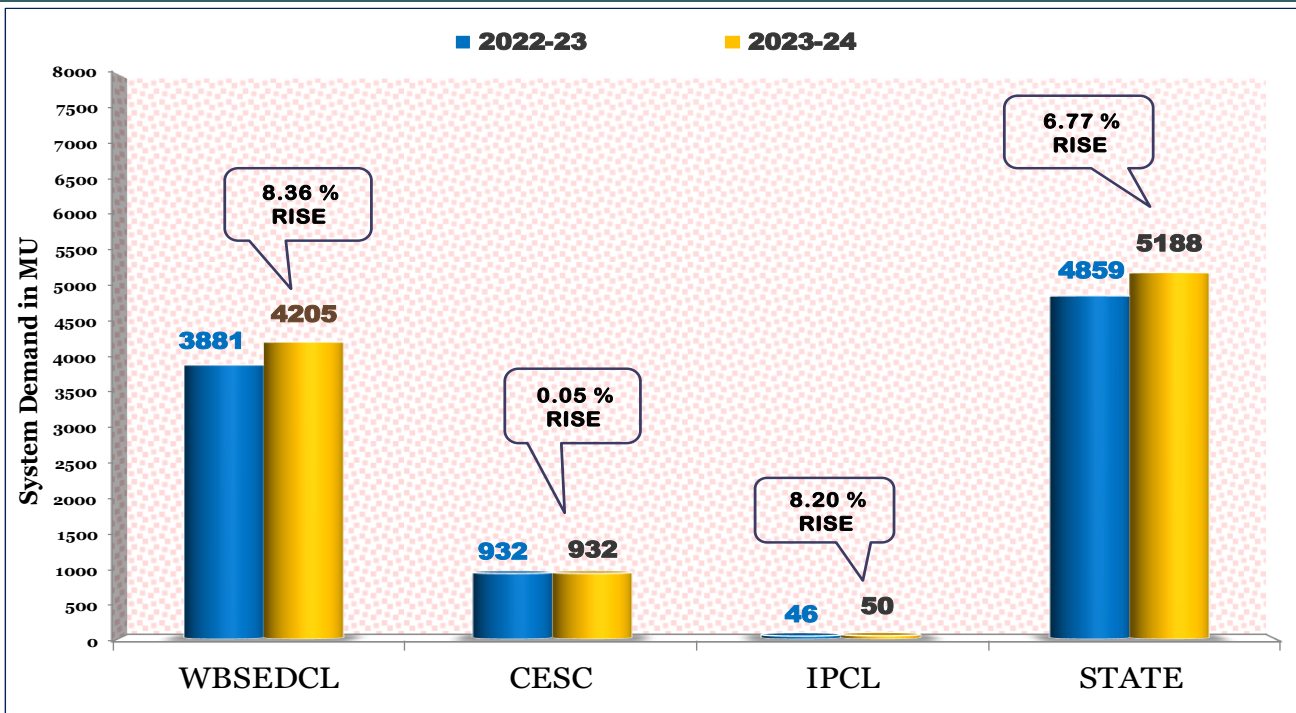
\*\* STATE DEMAND EXCLUDING DVC SERVED AREA

## SYSTEM DEMAND POTENTIAL (in MU) IN FEBRUARY-24



\*\* STATE DEMAND EXCLUDING DVC SERVED AREA

## SYSTEM DEMAND POTENTIAL (in MU) IN MARCH -24

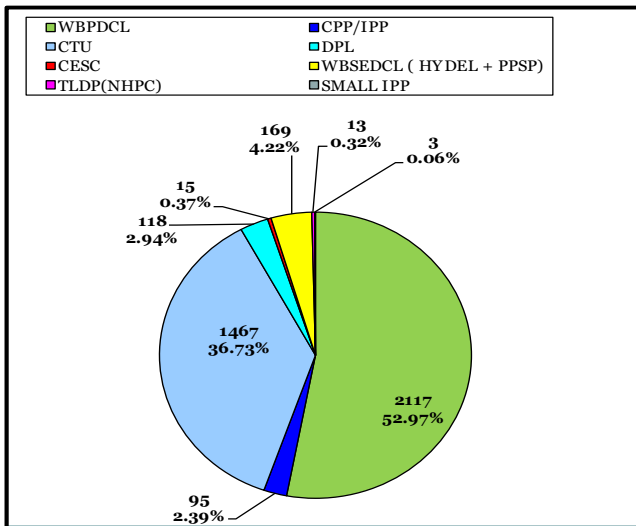


\*\* STATE DEMAND EXCLUDING DVC SERVED AREA

**2.7:Constituent wise energy injection in WBSETCL system (in MU) during January-24, February-24 & March-24as follows:**

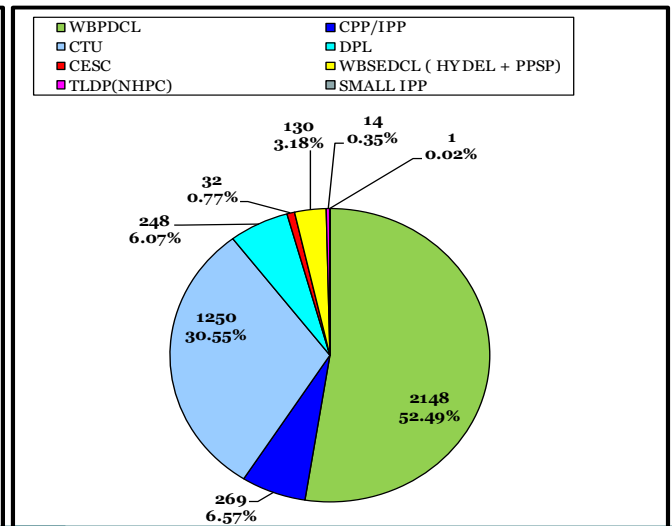
**Constituent wise energy injected into WBSETCL system (in MU)**

**JAN-24**



• Total Energy injection into WBSETCL = 4132.040 MU.

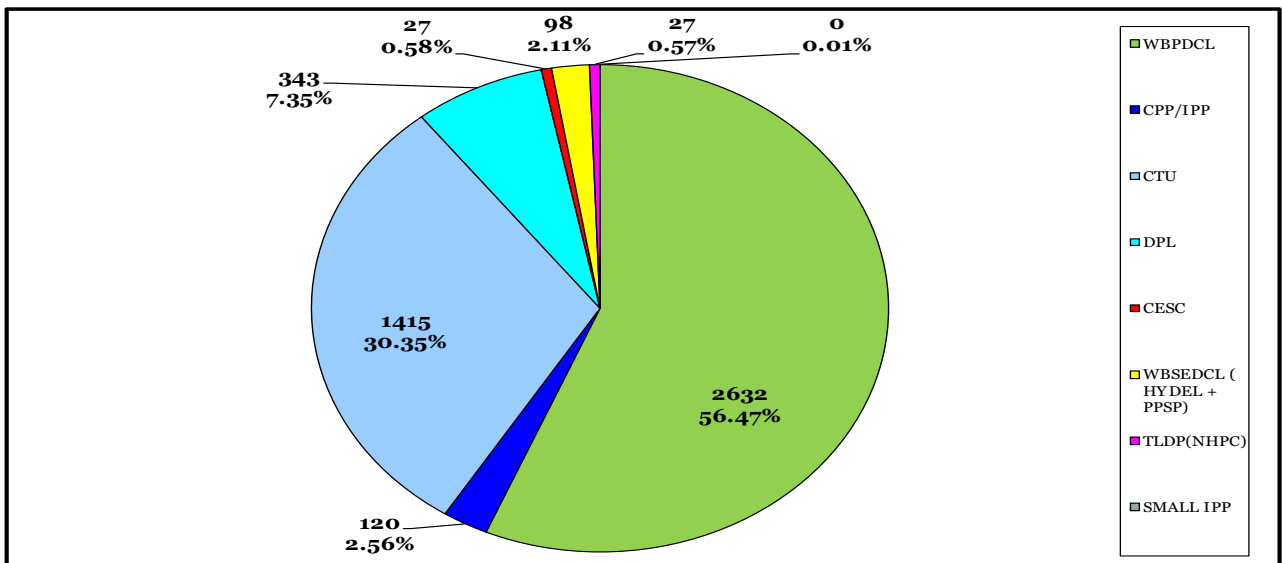
**FEB-24**



• Total Energy injection into WBSETCL = 4092.340 MU.

**Constituent wise energy injected into WBSETCL system (in MU)**

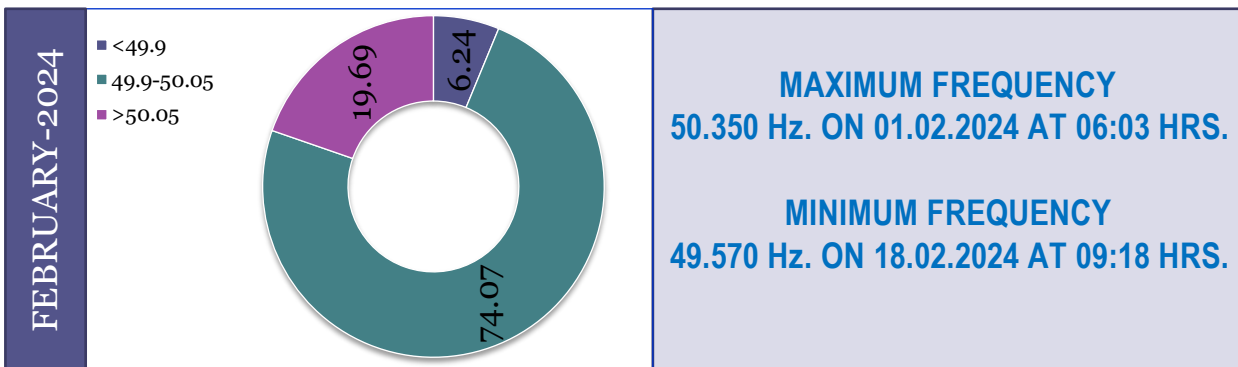
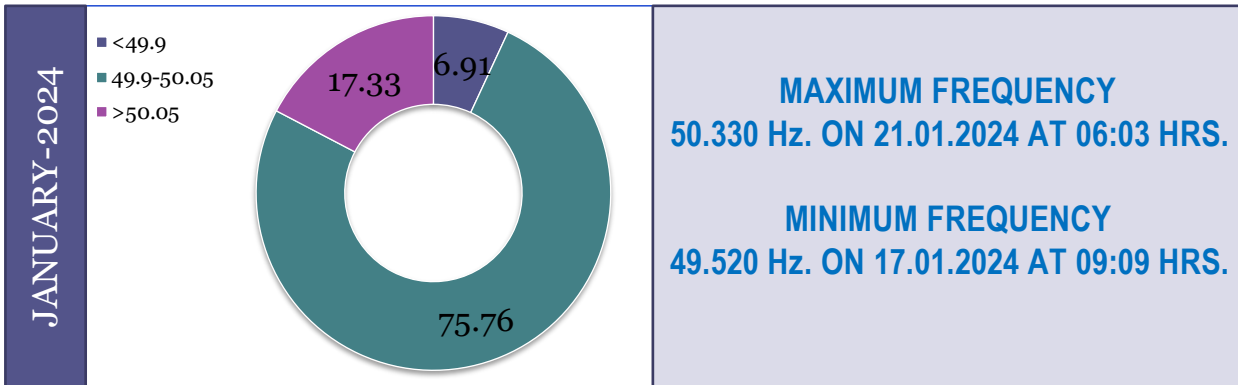
**MAR-24**



• Total Energy injection into WBSETCL = 4814.190 MU.

**2.8: The frequency profile during January-24 and February-24 were as follows:**

**GRID FREQUENCY in %  
IN JAN-24 AND FEB-24**



**ITEM No: 3. IMPORTANT GRID EVENTS:**

Sl. No	Date	Element tripped	Details	Normalization/Load loss
1	08.05.24	At LILUAH 132KV Substation at 13.10Hrs: 33KV PT burst out with all 132/33Kv, 50 MVA transformers got tripped resulting total power failure at 33KV system.	13.10 hrs to 14.45 hrs power interrupted in 33kv system.	Around 50 MW load loss was there during the incident.

WBSETCL representative may deliberate.

WBSETCL representative informed that 33Kv PT-1 burst out resulting 33Kv bus fault took place and it was revealed that before tripping of LV side CB i.r.o all 132/33Kv transformers, LRS operated i.r.o 132KV LLH-BTPS D/C as because fault current supplied through that line which is more than LRS operating value. Same observation received from CTD. Concerned Testing wings has attended the

issue and has increasing the time delay of the LRS scheme from 1.1 sec to 3 sec.

ACE, SLDC stated that full-fledged Election campaigning is going on, so this kind of long interruption is not desirable and also has requested to Tr (O&M) wings to take up the matter with local WBSEDCL authorities, so that interchangeability / diversion of 33Kv feeders to other GSS may please be restored at LILUAH substation to minimize the interruption hours, whenever such an outage takes place.

2	07.05.24	At MOHITNAGAR substation: all 132Kv ckt's got tripped at 14.59 hrs resulting total power interrupted at 33Kv system.	Relay details: LCP FUSE FAIL, (FS8,FS7)	Load loss around 35 MW.
---	----------	--	---	-------------------------

WBSETCL representative may deliberate.

WBSETCL representative informed that local testing wing was attending some scheduled online work for replacement of APEX meter panel with temporary DC supply and due to some mis-communication, they switch off the main DC supply and SF6 lock out appears in GIS module and both 132Kv buses dead from MOHITNAGAR end resulting all emanating 132Kv feeders got tripped.

ACE, SLDC stated that when there is a possibility of total GIS system will go out in case of any DC fault, this kind of work should be carried out by taking shutdown in future occasions, because in peak summer season with 12500 MW system demand this kind of tripping could have initiate lots of cascade tripping in the surrounding belts.

3	01.05.24	132KV O.HALDIA-TPCL D/C tripped at around 20.36/20.37hrs resulting total blackout at M/S TPCL end.	O.HALDIA=AG1,O/C I>2,TRIP>2,TRIP PH ABC,STARTED PH ABC(#1) O.HALDIA=AG1,A-N Z2,DIST=3.44KM,IA=12.56KA(#2)	Around 100 MW generation loss at M/S TPCL end.
---	----------	--	--	--

WBSETCL representative may deliberate.

WBSETCL representative informed that 132KV O. HLDIA-TPCL#2 first got tripped with distance protection relay and 132KV O. HLDIA-TPCL#1 was loaded 446A which surpassed the overcurrent setting of 420A for 1 sec and tripped with over load relay as TPCL fail to reduce their generation below 420A during that period. Some flashing was observed by site engineer at dead end tower at O.Haldia end and they have replaced some insulator string for strengthening the line at dead end tower.

ACE, SLDC stated this event resulted in 100MW (approx.) generation loss of M/S TPCL and it has a commercial impact and he also shared grave concerned about the fact that for a single circuit tripping it will not comply the N-1 and the entire generation loss will take place again. So, some special protection scheme should be there at M/S TPCL end in such a way that during tripping of any circuit to limit the overload in other circuit



otherwise every time with a single tripping it will result total generation loss as well as operation of ADMS cannot be ruled out due to overdrawal of the state, if system frequency is low that time. Also, conductor snapping may even take place for overloading on the remaining circuit. The issue should be settled by a tripartite meeting between M/S TPCL, concerned testing and Tr (O&M) wings immediately.

4	22.04.24	At BARUIPUR 220KV GIS at 17.12 hrs: 220Kv BARUIPUR-S'GRM(PG)-NEWTOWN AIII ckt got tripped rendering total power failure occurred in a vast area of South-24 Parganas.	BARUIPUR: Low gas pressure alarm,86. No tripping at NEWTOWN AIII end.	Around 130MW load loss occurred.
---	----------	---	---	----------------------------------

WBSETCL representative may deliberate.

WBSETCL representative informed that 220KV main bus-2 at BARUIPUR substation outage since long and suddenly 220Kv MAIN BUS-1 low gas pressure appeared on that day and they mistakenly inject gas in main bus-1 and immediately L/O appeared and the ckt got tripped from BARUIPUR end.

ACE, SLDC opined that BARUIPUR substation is an important substation due to its special connectivity and radial source for power supply to a section of south 24 pargana. Such unwanted tripping of above nature would pose threat to the reliability of grid operation. For this kind of work should go for emergency shutdown so that we can allow it with substitute arrangement which is very much necessary.

5	15.04.24	Numbers of tripping observed i.r.o 400KV JEERAT-BKTPP CKT in the month of APRIL '24.	15.04.24 breakdown from 14.24 hrs. JRT:Z-2,B PH,163.3 KM,2.71 KA BKTPP= Z1, B PH, 13.8KM, 7.396 KA  On 23.04.24 at 12.34 hrs JRT=A/R L/O, CARR RCVD,AG1, ST PH A-N,154 KM, IA=2.647 KA, IB=470.6A, IC=213.74 A BKTPP=R-PH,A/R BLOCK,23.56 KM, 5.775 KA  On 23.04.24 at 13.14 hrs JEERAT:AG1,C-N, 157.9 KM,2.687 KA,Z2	The matter conveyed from ERLDC end for find out the reasons.
---	----------	--	--	--

			BKTPP=B-PH,22.52 KM,6.192 KA,A/R BLOCK.	
<p>WBSETCL representative may deliberate.</p> <p>WBSETCL representative deliberate that 400KV JEERAT-BKTPP ckt having a length of 163KM and looked after by 07 numbers of substations all the maintenance work done separately. Suspension disc failure at T/L No:43 has been found during first case which was rectified during restoration work. however, no noticeable fault was observed during line patrolling in 2<sup>nd</sup> and 3<sup>rd</sup> cases.</p> <p>ACE, SLDC stated that the matter conveyed from ERLDC end and also stated that tripping of multiple times on transient fault is highly unwanted in power system operation point of view and advised O&amp;M to take adequate measures to avoid such kind of tripping in future occasions.</p>				

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

**(A) ANTICIPATED POWER SUPPLY POSITION FOR THE MONTH JUNE, JULY, AUGUST-2024.** [All concerned are requested to furnish anticipated demand and generation forecast for these months to SLDC]

(All figures in MW)

Description	JUNE-24	JULY-24	AUGUST-24
WBPDC S/O Generation	3600	3200	3100
WBSEDCL Own Maximum Demand	9650 (10300)	9380 (+/- 3 to 4 %)	9160 ((+/- 3 to 4 %)
CESC Maximum Demand	2750	2230	2090
CESC Own gen.+ HEL (S/O)+ (PCBL & CPL)	830+540+50	830+540+50	830+540+50
DPL Generation Availability (GROSS)	450	450	430
IPCL demand connected to J.K. Nagar system	120	120	120

\*- *Representative of IPCL was not present in the meeting.*

**(B) SETTLEMENT OF SHUT DOWN PROPOSALS FOR THE MONTH OF JUNE, JULY, AUGUST 2024. i.r.o. GENERATING UNITS, TRANSMISSION LINES AND OTHER EQUIPMENTS.**

UNIT	DURATION	REMARKS
BkTPP #5	02.07.24 - 05.08.24	Boiler Overhauling + Denitrification
KTPS #6	08.07.24 – 11.08.24	Boiler Turbine Overhauling + RLA
SgTPP #2	04.08.24 – 02.09.24	BLR + Generator Overhauling
STPS #6	26.08.24 – 29.09.24	Boiler Generator Overhauling + RLA
DPL #8	29.08.24 – 07.09.24	Boiler license renewal.

**ITEM No: 5.IMPORTANT GRID EVENTS:**

**5.1. Agenda note put up by BTPS**

**1. Discontinuation of 33kV TTKR- 1 & 2 Feeders**

At present there are 02 Nos. 33kV Distribution Feeders directly feeding power from BTPS 33kV Switchyard to WBSEDCL Bulk Consumers at Tribeni Tissue of ITC Ltd. & Keshoram Rayon without any in-between Switchyard / Substation of WBSEDCL.

As these Feeders are of very short length (approximately 8 KM each) and are prone to frequent tripping resulting very high Transient Fault Current to pass through 132/33kV 25MVA Reserve/Station Transformer- 1& 2 and hampering the reliability of running Generating Units of BTPS.

Hence, we are placing a proposal for discontinuation of the aforesaid 02 Nos. 33kV Distribution Feeders TTKR- 1 & 2 (Tribeni Tissue Keshoram Rayon -1 & 2) emanating from BTPS and accordingly WBSEDCL may arrange these supplies from their nearest substations.

**Deliberation:**

**Representative of SLDC stated that as SLDC's jurisdiction is from 66 KV and above, therefore any issue consisting of modification of 33 KV system should be directly taken up with WBSEDCL. If deliberation between local offices does not bear fruit, then BTPS may approach WBSEDCL, Headquarters. It may please be appreciated that this Forum will not be able to help BTPS in this regard.**

**2. Discontinuation of 33kV BG-3 & 4 Feeders from BTPS Township to 33kV Kalitala Substation.**

Further, there are another 02 Nos. 33kV Distribution Feeders namely BG-3 & 4 (BandelGouripur- 3 & 4) which are also originating from 33KV BTPS Switchyard and are of very short length (approximately 4 KM each). At present BTPS Township Power is being fed through this 33kV BG- 3 & 4 and this portion up to Township is mostly underground and reliable.

Hence, we prefer to continue the 33kV BG- 3 & 4 line up to BTPS Township with **discontinuation proposal of the said lines from BTPS Township to 33kV Kalitala Substation.**

In that case, said lines are proposed to be handed over to WBPDCCL Authorities for further Operation & Maintenance as this Township Power will be treated as APC of BTPS and release WBPDCCL from paying this bill to WBSEDCL.

**Both these matters (Point No. 1 & 2) were earlier discussed in 59th SLCF MEETING, where the forum has noted in the MOM that BTPS is required to take up the matter with WBSEDCL Authorities. In this regard, a Letter has also been communicated to WBSEDCL Authorities vide Memo No. WBPDCCL/Dir(O&M)/191, dated 14.06.2023 and accordingly WBSEDCL Authorities once visited BTPS Premises but till date no appropriate action has been initiated towards discontinuation of these Feeders.**

**Deliberation:**

**Please refer to deliberation of Item No. 5.1.1.**

**3. Enhancement of Minimum Technical Limit of BTPS Unit#2 from 23.65 MW to 30 MW**

Generation capacity of BTPS Unit#2, is 60 MW and APC as per SERC norms is 10.6%. Hence, the Maximum DC possible is 53.76MW. At present the Technical Minimum DC is 23.65 MW which is 44% of maximum rated DC.

BTPS Unit#2 is a very old Unit which was commissioned on 18.10.65 with a generation capacity of 87.5MW and afterwards the Unit has been de-rated to 60 MW. Therefore, it is very difficult to maintain the Technical Minimum DC i.e. 23.65 MW without oil support.

Hence, it is proposed to raise the Technical Minimum Limit of BTPS Unit#2 from 23.65 MW to at least **30 MW** which is 55.8% of maximum DC.

**Deliberation:**

**Representative of SLDC stated that for changing of Normative Auxiliary drawal and the level of Minimum Technical Limit BTPS must approach WBERC and WBERC alone has the authority to change such parameters of a regulated generating plant.**

**4. Excessive Low Grid Voltage is causing Instability in Generating Units at BTPS**

For the Last few days in the Summer Season, during the **Afternoon Hours** and during **Night Hours** (22:00Hrs to 24:00Hrs) it has been observed that there is a significant drop in the 132kV Grid Voltage and most of the time it remains below 124kV-125kV. This has been repeatedly informed to the SLDC Control Room.

Due to this abrupt drop in Grid Voltage the Reactive Power Export by the Generators have been increased excessively and Generators are operating at the boundary limits of the Capability Curve.

Data related to BTPS Generator#5 at 15:00 Hrs on 30.04.2024:

1. Generator MVA = **249 (RATED 235 MVA)**
2. Active Power = **202 MW (RATED 215 MW)**
3. Reactive Power = **144 MVAR (Lagging/Export)**
4. Power Factor = **0.82 (RATED 0.85)**
5. Generator Terminal Voltage = **15.50 kV**

6. Stator Ampere = **9240 A**
7. Rotor Ampere = **2571 A**
8. GT#5 Winding Temperature = **96.5 Degree C (High Alarm at 95 Degree C)**

Under these circumstances to operate the Generator within safe working limit as per the Capability Curve and also to control the High GT Winding Temperature, Generation (DC) was required to be reduced.

Therefore, it is being requested to take appropriate action towards increasing the 132kV Grid Voltage so that Generating Units at BTPS are allowed to operate in safe working limits.

#### **Deliberation:**

**Representative of SLDC stated that the voltage in the 132 KV bus at BTPS was well within the IEGC band throughout the peak demand period of April'24. He also added that as BTPS being located in the load center, it becomes the primary source of reactive power required for stable operation of the micro-grid. BTPS may explore changing the Exciter limiter settings/GT Tap positions to address this limitation. Furthermore, before proceeding for decommissioning of the 3 units of BTPS, STU have been approached for planning of MVAR compensation.**

**Representative of BTPS stated that the lowest voltage phenomenon is happening particularly around 15:00 hrs and again around 23:30 hrs.**

**Representative of SLDC reiterated that 15:00 hrs and 23:00 hrs are the period of CESC and WBSEDCL peaks. He went on to add that BTPS in collaboration of STU may also explore the possibility of using the decommissioned machines in BTPS as synchronous condensers to control MVAR.**

#### **5.2. Agenda note put up by KTPS**

- 1) In SAMAST module rev28 and rev29 dated 07.05.2024 it was observed that SG, is higher than DC in BLOCK -2 for 07.05.2024. Block-2 SG is showing 526 MW while DC is 510 MW  
Kindly correct the schedule for block-2 in SAMAST module for 07.05.2024.

#### **Deliberation:**

**Representative of SLDC stated that the anomaly regarding the schedule of KTRP has already been noted and shall be taken care while preparation of implemented schedule.**

- 2) As SAMAST portal was out of order and due to this we were unable to punch REV-02 in SAMAST portal for dated 06.05.2024. We had sent REV -02 for 06.05.2024 at 21:32 hrs through email but the DC effect was not reflected in the SAMAST module after restoration.

In Rev-02 through email we had changed DC from 490 MW to 510 MW but in SAMAST module DC was still showing 490 MW. So, we will highly obliged if you kindly consider DC as 510 MW from block 90 for dated 06.05.2024

**Deliberation:**

**Representative of SLDC reiterated that these anomalies have been noted and will be dealt with as per relevant regulations in the implemented schedule.**

- 3) This is to inform you that we have received email for Rev1 dated 30.04.2024 but In REV 4 KTPP schedule has changed in SAMAST module but the change intimation was not received through mail.

**Deliberation:**

**Representative of SLDC informed that this issue with e-mail triggering has been taken care in consultation with IT department, WBSETCL. However, if such occurrences arise in future immediate mail needs to be forwarded to SLDC with details with a copy to Energy accounting.**

- 4) During Ramp down condition, we are still unable to enter Ramp down DC in the off-bar DC column as that time off bar unit is zero.

**Deliberation:**

**Representative of SLDC suggested that KTPP to put the ramp down schedule keeping the unit in the on-bar column. This shall facilitate ramping down of unit to desired level. After that, the unit can be punched into the off-bar column in the subsequent blocks.**

- 5) It has been observed that in period of 00:00 hrs to 05:00hrs the schedule trend is very much fluctuating and during this situation schedule maintaining is very much difficult for KTPP. (Back down value continuously increasing and decreasing)

**Deliberation:**

**Representative of SLDC stated that discussion on scheduling frequency had already been done in the 71<sup>st</sup> SLCF meeting. There is limited scope of further review in this matter.**

- 6) In KTPS APEX meter-fascia bottoms are got damaged and some buttons are inoperative. Some time it is very much impossible to take reading of feeder ckt.

**Deliberation:**

**Representative of KTPP stated that it has become extremely difficult to download the meter data / take readings from the installed APEX meters.**

**Representative of WBPDCCL requested for migration to SAMAST meters for commercial settlement purposes.**

**Representative of SLDC stated that the SAMAST meters are in the verge of declaration of commercial settlement shortly. But for declaration of commercial run for WBPDCCL plants only may process some technical and administrative constraints.**

**The forum agreed for migration to SAMAST meters for KTPP only as a special case after consultation with all stakeholders.**

- 7) After installation of OPGW system at KTPS END some of your decommissioned old carrier communication panels lying at our control room area. So please take necessary action for removal of those panels from your end.

**Deliberation:**

**Representative of WBSETCL stated that the decommissioned Carrier Communication Panels and Web Trap systems will be shifted after Lok Sabha Election process is completed.**

- 8) As per your proposal Web trap systems decommissioning activity is due our switchyard. (Note: OPGW system already in service).

**Deliberation:**

**Please refer to Item No. 5.2.7.**

**5.3. Agenda note put up by BkTPP**

1. Huge number of revisions with trivial change in schedule should be reduced.

**Deliberation:**

**Representative of SLDC again reiterated that this issue has been already addressed in the 71<sup>st</sup> SLCF.**

2. New dates to be provided for shutdown of 220kV Main Bus -2 and 220kV Bidhannagar Ckt#2 for various maintenance jobs, which were previously declined owing to Madhyamik & Higher Secondary examination.

**Deliberation:**

**Representative of SLDC urged BkTPP and other utilities to please complete routine maintenance activities within the low demand season/winter months.**

**Representative of WBPDCCL stated that the low demand season from mid-November to January end is relatively short and it is difficult to accommodate all the shutdowns within this window.**

He also added that as the 400 KV elements shutdowns were planned and executed during the winter months, the shutdown of 220 KV elements could not be executed.

Representative of SLDC requested BkTPP to plan for the 220 KV elements in the first phase of the winter maintenance schedule in future as all 220 KV lines emanating from BkTPP are critical during high demand scenarios.

Regarding the present pending shutdown SLDC may allow in the month of July if the demand moderates after advent of monsoon.

3. Any change in SAMAST server (i.e. firewall, network etc.) should be intimated within due time so that we can respond according to schedule.

**Deliberation:**

Representative of SLDC assured BkTPP that all changes in SAMAST servers are well intimated in advance and same procedures will be followed in future.

**5.4. Agenda note put up by SLDC**

1. Commissioning of new transmission elements in WBSETCL system from the month of FEBRUARY'24 to 10<sup>th</sup> MAY'24.

Members may note.

Sl No	Name of the new elements/sub-stations	District	Connectivity in case of new substation	Date Of Commissioning	Load relief of substations/utility of the new elements
1	132KV SERAKOL-BARUIPUR D/C (16.2KM, HTLS CASABLANCA)	SOUTH-24 PARGANA		07.02.24	Reduce loading of 220KV LKP-SGRM(WB) D/C & 160 MVA TR'S loading of LKP.
2	AT JEERAT: 400/220KV,315 MVA ICT#4	NORTH-24 PARGANA		15.03.24	To meet growing load of North-24 pargana & Kolkata.
3	AT N.CHANDITALA: 400/220KV,315 MVA ICT#4	HOWRAH		29.03.24	To meet growing load of Howrah & Hooghly.
4	132KV SALT LAKE GIS-SALT LAKE STADIUM CABLE CKT (630SQMM 4KM U/G CABLE)	SALT LAKE		01.04.24	To create more redundancy/flexibility of SALT LAKE GIS substation.
5	AT HOWRAH:220/132KV,200 MVA TR#3	HOWRAH		14.04.24	CAPACITY AUGMENTATION FROM 150 MVA



					TO 200 MVA.
6	AT HOWRAH:220/132KV,20 0 MVA TR #2	Howrah		12.05.24	CAPACITY AUGMENTATION FROM 160 MVA TO 200 MVA.

2. In continuation to earlier discussions, this is to reiterate that at present CESC is drawing power from Liluah(WBSETCL) point through Liluah – Belur (CESC) circuit 3 only. Liluah – Belur (CESC) ckt 1,2 are breakdown for cable fault since more than last 3 years. This has led to a situation that in case of any issue with circuit 3, there will be no way to give power to this radial point. Also, this single circuit dependency is creating additional pressure from maintenance point of view in terms of attending the fault / issue, if arises without any breathing/preparatory time.

Also, if it is decided not to restore the other two circuits, then that may please be informed to SLDC, WBSETCL so that Tr (O & M) can think for utilisation of those two bays at Liluah (WBSETCL) end. CESC representative may please deliberate.

**Deliberation:**

**Representative from CESC has informed that they will restore one circuit out of two breakdown circuits. He assured to inform the forum regarding tentative timeline of bringing back the circuit.**

**ACE SLDC, has mentioned that in case CESC has no plan to restore one circuit out of circuit 1, 2, then WBSETCL will use that bay. Also, for increased redundancy, CESC needs to restore at least another circuit at the earliest.**

**CESC representative said, they will convey the decisions on above.**

3. In view of commissioning of 200 MVA transformer II at Howrah 220 kV sub-station on 12.05.24, split bus operation may be explored to allow more power to CESC from Howrah point with 2 numbers of 200 MVA transformers and 220 KV New Chanditala-Howrah D/C. In that case the corresponding 132 kV side will have loading of CESC and metro (may be with traction also, depending upon CESC requirement and capacity to draw from Howrah point).

To avoid no power condition, it is necessary to introduce LRS scheme to curtail around 100 MW (at peak drawal condition) load of CESC at Howrah point, in case of tripping one ICT at Howrah and loading of another ICT goes beyond set point / allowable limit.

CESC representative may please deliberate.

**Deliberation:**

**Representative of CESC has informed that they will explore the matter on implementation of proposed LRS and will give a feedback.**

4. Commencement of Commercial Operation of ABT meters installed under SAMAST Project of the State of West Bengal will be declared soon by WBSLDC. With the starting of commercial operation of the said meters State level energy accounting will be done with 100% boundary meters installed at different places within the State of West Bengal under SAMAST Project. From the effective date of commercial operation of ABT meters installed under SAMAST Project, commercial settlement i.r.o WBSEDCL will be done considering interface meters installed at WBSEDCL-STU boundary and WBSEDCL schedule at their own periphery.

(WBSLDC Members may please deliberate).

**Deliberation:**

**Representative of SLDC informed that Energy Accounting Software module under SAMAST Project is on the verge of completion and go-live of the said module will be declared soon. In view of this the commercial operation of ABT meters installed under SAMAST Project of the State of West Bengal will be declared soon by WBSLDC. With the starting of commercial operation of the said meters State level energy accounting will be done with 100% boundary meters installed at different places within the State of West Bengal under SAMAST Project. From the effective date of commercial operation of ABT meters installed under SAMAST Project, commercial settlement i.r.o WBSEDCL will be done considering interface meters installed at WBSEDCL-STU boundary and WBSEDCL schedule at their own periphery.**

5. Updated status of SAMAST Project.

(WBSLDC Members may please deliberate).

**Deliberation:**

**Representative of SLDC reiterated that three modules under SAMST Project – namely 1) Open Access Software Module 2) Scheduling Software (with web-based application) module**

and 3) RE forecasting & schedule module is in Go-live mode since 10.01.2024, 12.02.2024 and 12.02.2024 respectively. The development of other three modules which are 1) Energy Accounting Software module. 2) Financial Accounting & statutory compliance module and 3) Billing & SLDC report module are near to completion and Go-live will be declared shortly.

6. In view of Web Based Scheduling in SAMAST system, revisiting of calculation procedure of Declared Capacity i.r.o. Units which were under shutdown due to Low System Demand.

**Deliberation:**

Representative of SLDC shared a small presentation regarding the prevailing procedures which are followed in case of LSD. The Forum after due deliberation decided that during SAMAST regime the existing procedure will be followed. Existing procedure is mentioned below:

**Case 1: When an On-Bar unit is de-synchronized due to Low System Demand**

If,  $DC_B = DC$  in MW of the Power Station in the block when the unit was available (Before de-synchronization of the unit).

$DC_A = DC$  in MW of the Power Station in the block when the unit became unavailable (After de-synchronization of the unit).

**Backing down DC =**

**Minimum of {  $(DC_B - DC_A)$ , Rated S/O generation in MW of the concerned unit }**

This backing down DC in MW is considered for every block until further synchronization of the unit as per instruction or 12 hours from the time of issuance of instruction for synchronization whichever is earlier.

Backing down DC during Ramp-up and Ramp-down period is also considered.

**Case 2: When an Unavailable unit want to synchronize and the unit is being prevented from synchronization due to Low System Demand**

Backing down DC is considered from the block when the unit was actually desired to be synchronized by the plant. The block is required to be mentioned by the respective plant.

Backing down DC = Maximum S/O generation achieved in MW of the concerned unit within 12 hours after synchronization to the Grid.

This backing down DC in MW is considered for every block until synchronization of the unit as per instruction issued or 12 hours from the time of issuance of instruction for synchronization whichever is earlier.

**ITEM No: 6. Date and venue of next SLCF (i.e.73<sup>rd</sup>) Meeting.**

**ITEM No: 7. MISCELLANEOUS:**

*From Communication Dept. under WBSETCL*

1) For reliable data of AMR & RTU, Redundant 48 v dc supply is mandatory.

The status of 48 VDC power supply is furnished below:

Sl.No.	Power station	48 VDCSupply-1		48 VDCSupply-2	
		charger	Battery	charger	Battery
01	BTPS	ok	ok	ok	Not available
02	STPS	ok	ok	Not available	
03	KTPS	Ok	Ok	Not available	

**Please may update by M/S WBPDCCL representative.**

**DELIBERATION:**

**Representative of WBPDCCL informed that they need to check the same in their respective stations and will provide the information later.**

02) 35 nos OLD RTU make M/S ALSTOM (T&D) replacement works are going on by M/S SYNERGY. But the following old RTUs under WBSSEDCL are not under this replacement project:

- 01. PPSP
- 02. TCF1
- 03. TCF2

*Minutes for 72<sup>nd</sup> SLCF meeting*

- 04. TCF3
- 05. RAMAM

**Please may update by M/S WBSEDCL representative.**

**DELIBERATION:**

**The ACE, ALDC, WBSEDCL stated that the matter needs to be taken up with WBSETCL.**

03) Proposal for integration of unit wise DPL generation data with Scada system since the existing RTU was installed by WBSETCL and there is no any maintenance support.

**M/S DPL may update.**

**DELEBERATION:**

**ACE, Communication, WBSETCL stated that this matter should be taken up by DPL itself as it is the responsibility of the generating stations to provide all the necessary data to SLDC via their own RTU/SAS.**

4) This may please be noted that black start of TLDP stages (III & IV) couldn't be performed during 2023-24 since the flood of Teesta and later on for plant maintenance works of the respective generating stations. As per the guideline we need to comply with the black starts soon, which needs a joint discussion with ALDC, WBSEDCL and NHPC.

NHPC and ALDC, WBSEDCL may please deliberate their views on this to settle a tentative timeline for black start mock exercise.

**Deliberation:**

**As per IEGC compliance we need to do the mock black start in every year as per scheduled circulated by ERPC forum. In last two years because of flood took place at TLDP stage III and after that there were numbers of occasions, we have written to TLDP to inform their readiness regarding black start for both the stages but it cannot be achieving due to some maintenance related issues so last such message reference with us for january'24. ERLDC is pressing hard for mock black start test of TLDP stages in last OCC meetings and as TLDP III is pending since long so we want to do the black start for stage III first so that some compliance we can send to ERPC forum as last 2 years it was not done.**

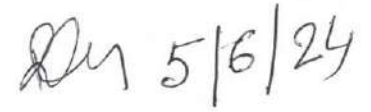
**WBSEDCL informed that after 4<sup>th</sup> June on any Sunday that black start can be done as per readiness of TLDP end.**

**ACE/SLDC informed that we are approaching for conduct black start at TLDP stage-III in the middle of June'24 and TLDP is requested to talk with site officials to know the readiness of both the stages and inform through confirmation mail with all details (Expected generation etc.) as early as possible.**

**TLDP representative expressed that as we all know on 04.10.23 due to sudden cloud burst and followed by huge inrush of water resulting loss of 07M head (rated head was 21.35 M) due to heavy accumulation of silt in reservoirs and they have to do regular reservoir flushing as a result their generation reduced to 11-12MW per unit at present. Beyond that amount rated capacity (35MW) cannot be achieved depending upon inflow amount during middle of June.**

**ACE/SLDC highlighted that with 12 MW generations it is difficult to make it stable during black start operation so if not possible then we may have to go for TLDP stage IV black start**

operation. So TLDP representative is requested to inform SLDC regarding their readiness tentatively from Mid-June to onwards as early as possible to conduct the black start and the tentative generation quantum of the unit of stage III or stage iv.

 5/6/24

Chief Engineer / SLDC / WBSETCL

Memo No. SLDC/ How/ 109/ 2024-25/ 199(1-25)

Dated : 5 /06/2024

**Copy for information please:-**

1. The Secretary, WBERC, FD-415A, PouraBhavan, 3<sup>rd</sup> Floor, Bidhannagar, Kolkata-700 106
2. C.E, SLDC, WBSETCL, Howrah-09.
3. C.E, Transmission-I, WBSETCL, Vidyut Bhavan, Kol-91.
4. C.E, Transmission-II, WBSETCL, Vidyut Bhavan, Kol-91.
5. C.E, CTD, WBSETCL, Abhiksan Bhavan, Kol-91.
6. C.E, Communication, WBSETCL, Abhiksan Bhavan, Kol-91.
7. C.E.(PTP) WBSEDCL, Vidyut Bhavan, Kolkata-91.
8. G.M. (SO) CESC Ltd., Statesman House, Kol- 01.
9. G.M. BTPS, WBPDC.
10. G.M. STPS, WBPDC.
11. G.M. KPPP, WBPDC.
12. G.M. BKPPP, WBPDC.
13. G.M. SGPPP, WBPDC.
14. G.M. Durgapur Projects Limited(DPL).
15. Sri I. B. Chakraborty, Vice-President, Engineering & Projects, IPCL
16. Addl. Chief Engineer, SLDC, WBSETCL, Howrah-09.
17. Addl. Chief Engineer, Communication (Howrah), WBSETCL, Howrah-09.
18. Addl. Chief Engineer, ALDC, WBSEDCL.
19. D.G.M, System Control Department, CESC Ltd, CESC House, Kol- 01.
20. D.G.M(O), Durgapur Projects Limited(DPL), DPL.
21. PS to Managing Director, WBSETCL, Vidyut Bhavan, Kolkata-91.
22. PS to Managing Director, DPL, Kolkata -107.
23. PS to Director (Operations), WBSETCL, Vidyut Bhavan, Kolkata-91.
24. PS to Director (RT), WBSEDCL, Vidyut Bhavan, Kolkata-91.
25. PS to Executive Director (OS), WBPDC, Salt Lake City, Kolkata-700 098.

  
Convenor, SLCF 05.06.24