



# **AGENDA FOR 172<sup>nd</sup> OCC MEETING**

**Date: 19.10.2020  
Eastern Regional Power Committee  
14, Golf Club Road, Tollygunge  
Kolkata: 700033**

# **Eastern Regional Power Committee**

## **Agenda for 172<sup>nd</sup> OCC Meeting to be held on 19<sup>th</sup> October 2020**

### **PART A**

#### **Item No. A.1: Confirmation of minutes of 171<sup>st</sup> OCC meeting of ERPC held on 25.09.2020.**

The minutes of 171<sup>st</sup> OCC meeting were uploaded in ERPC website and circulated vide letter dated 08.10.2020 to all the constituents.

**Members may confirm the minutes of 171<sup>st</sup> OCC meeting.**

### **PART B: ITEMS FOR DISCUSSION**

#### **Item No. B.1 Payment of fixed charges by minority stakeholders during the unit in RSD -- Bihar.**

It is to submit that whenever an ISGS Unit is taken under RSD, the stakeholders of ISGS Unit, having lower share has to bear huge loss due to the applicability of fixed charges \* of respective power share quantum allotted to them. In this case, even if the stakeholder with lower share (minority stakeholder) requires its power share quantum, the same cannot be availed as it is not scheduled because of technical minimum generation limit as per the regulations.

To fulfill the minority stakeholder requirement, following compensation options are suggested:

1. In case, a Generator Unit has multiple stakeholders and a few majority stakeholders exceeding 45% of power share (either individually or collectively) decides to take this unit under RSD then as per the existing provisions, the unit is put under RSD and those stakeholders who hold less than 45% of power share (either individually or collectively) are made to pay fixed charges without consenting to RSD of the Unit. It is proposed that in such cases the Generator should try to fulfill the requirement of minority stakeholders either by offering the balance quantum (out of technical minimum generation) to the minority stakeholders or to explore the possibility of selling the un-requisitioned quantum (out of technical minimum generation) in Open Market. If any loss is incurred in this arrangement, it may be realized from those stakeholders who have requested for RSD.
2. As the unit is taken under RSD at the request of majority stakeholder, the Generator should raise the fixed charges bill of minority stakeholder in the account of majority stakeholder as the minority stakeholder is fulfilling its requirement from other sources and is paying for same.
3. Majority stakeholder may be offered to buy the quantum of power which enables the Generator to meet the technical minimum generation requirement after accounting for the minority stakeholder for the Unit.
4. In case the unit is taken under RSD, the Generator should make arrangement to fulfill the share of minority stakeholder from other sources.

\*As per clause 5.9 of SOP by CERC.

*The beneficiaries shall continue to bear the capacity charge corresponding to Total DC.*

The issue was discussed in 43<sup>rd</sup> Commercial sub-Committee Meeting of ERPC held on 21.09.2020 wherein committee agreed with the concerns raised by Bihar and agreed that *'the issues faced by minority beneficiaries in case of unit RSD are real and need to be addressed'*. Members also opined that *'there is a need to review the detailed operating procedure for RSD to suitably address the concerns of minority beneficiaries.'*

**Members may discuss.**

#### **Item No. B.2 Outage of 220kV Amnour S/s in Bihar due to flood--ERLDC**

On 5th October at 23:37 Hrs, 220/132/33kV Amnour Substation was manually switched off due to sever flood leading to around 115 MW load interruption.

In view of above Bihar may submit a report including the followings:

- Arrangement made for supplying loads that were originally catered from 220/132kV Amnour S/s.
- Loads to which there is restriction in supply, if any, on account of the alternative arrangement made
- Whether any equipment has been damaged in Amnour 220/132kV S/s, due to the flood
- Whether any nearby 220kV or 132kV line has been damaged or is under threat due to the flood
- Action taken or planned to prevent such contingency in future

**BSPTCL may explain.**

#### **Item No. B.3 Renewal of Maintenance & Support services of PSSE license and exchange of old sentinel dongles with new Cm dongles**

The Maintenance & Support (M&S) services of the PSS®E Software which was supplied by SIEMENS Ltd. & handed over in the year 2012 has immensely facilitated sharing of information & data related to transmission system planning under ISTS as well under Intra-STS and has also helped in capacity building of the personnel involved. For continued facilitation for coordination in sharing the data for transmission system planning, POWERGRID has renewed the M&S services of PSS®E license by SIEMENS Ltd. for further 5 years starting from August, 2020 for CERC, RPCs, CEA & STUs and POWERGRID shall bear the cost of above renewal.

As per the M&S agreement, SIEMENS needs to supply new Cm dongles as an exchange to the old sentinel dongles of PSS®E, as old dongles would not work with updated PSS®E Version 35. However, new Cm dongle would work with PSS®E V34 & V33.12. A communication in this regard from SIEMENS including the details of the dongle licenses covered under the agreement is enclosed as **Annexure B3**.

It is requested to provide following details to SIEMENS directly **with a copy to Powergrid** so that SIEMENS can start the dongle exchange process & supply of **PSS®E V35**.

**Entity name:**

**Dispatch Address:**

**Primary contact:**

**Secondary contact:**

**Email Id:**

**Mobile Number:**

The details of SIEMENS representatives who would be involved in the PSS®E dongle exchange process is given below:

1. Vikas Chaturvedi Mobile: +91 9654841659 Email: <a href="mailto:vikas.chaturvedi@siemens.com">vikas.chaturvedi@siemens.com</a>	Siemens Limited RC-IN SI DG SW S Plot 6A, Sector 18 Gurugram 122 015 Tel.: +91 124 6246 680 Fax: +91 124 2846 620 Mobile: +91 96548 41659
2. Hitesh Chauhan Mobile: +91 9560727765 Email: <a href="mailto:hitesh.chauhan@siemens.com">hitesh.chauhan@siemens.com</a>	

For any further clarifications in the matter you may write to Powergrid at [anilsehra@powergridindia.com](mailto:anilsehra@powergridindia.com) & [i.anupamk@powergridindia.com](mailto:i.anupamk@powergridindia.com) or may also contact directly to SIEMENS on the details provided.

**Members may note.**

#### **Item No. B.4 Outage of important transmission system.**

##### **1. 400/220 KV GIS Darbhanga (DMTCL)--Bihar**

In the 171<sup>st</sup> OCC Meeting, DMTCL informed that they have send their representatives to Balia and Lucknow substations of Powergrid wherein similar kind of situations had been dealt with. Accordingly, they have come up with a set of action plans which include construction of RCC wall around the substation, fitting of NRV's in the drainage systems, Plinth protection inside substation and lifting of battery & DG sets from the floor by 300mm.

DMTCL further informed that their action plans would be implemented by end of November 2020.

Thereafter OCC advised DMTCL to take necessary actions at the earliest to prevent such type of incidences in future.

**DMTCL may update.**

##### **2. 400 kV Barh-Motihari D/C and 400 kV Barh-Gorakhpur D/C lines.**

In the 171<sup>st</sup> OCC Meeting, ERLDC requested DMTCL to bring one more circuit of 400kV Barh-Motihari so that reliable supply could be maintained at Motihari S/s.

DMTCL informed that they require 10 working days to restore the 2<sup>nd</sup> circuit of 400kV Barh-Motihari but because of heavy water in the river they are unable to start the work. DMTCL added that the line would be restored within 10 days as and when they get the opportunity to work.

DMTCL further informed that permanent restoration of 400 kV D/C Barh-Motihari-Gorakhpur Lines would take 5 months from the date of start of work after receding of the water level.

OCC advised DMTCL to put all out efforts to restore the line on permanent towers at the earliest.

DMTCL in a mail dated 9<sup>th</sup> Oct 2020 updated the progress of restoration work of the Barh-Motihari and Motihari-Gorakhpur line. The presentation is given in **Annexure B4.2**.

**DMTCL may update.**

##### **3. 400 kV Kishanganj-Patna D/C lines:**

In 170<sup>th</sup> OCC Meeting Powergrid informed that they will complete the permanent restoration work of lines by last week of December 2020.

**Powergrid may update.**

**Item No. B.5 Issues related to 132kV Patratu (DVC) S/s - PTPS(JUSNL) D/C tie lines-- DVC.**

DVC informed that there are two tie lines between 132kV Patratu (DVC) S/s and PTPS(JUSNL) S/s. JUVNL approached DVC for clearance of Diversion of the above Tie ckts for construction of Ash-dyke area of new 2X800MW PTPS Project (a JV with NTPC). As per Commercial Clearance (Vide no. COML/Diversion/PTPS-5130 dated 26.02.2020), it was decided that 132kV multi-ckt tower will be used for the diversion job, where one side (i.e. left side from existing location no. 14 to gantry at PTPS end) will be utilized for DVC's Transmission lines and the other side for JUSNL's transmission lines.

Accordingly, the Tie-ckt 85(5c) was normalized through the top left side of the Multi-ckt tower on Dt.- 09-05-2020. But the other tie-ckt(84(6C)) could not be normalized till date because of concerns raised by JUSNL on the proposed scheme of Construction Clearance. The issue has been explained in detail enclosed at **Annexure-B6**.

In view of the importance of radial-mode power assistance from PTPS(JUSNL) to Patratu (DVC) & NKP(DVC) S/s under exigency, the early restoration of the above tie is most urgent.

**DVC may explain. JUSNL may respond.**

**Item No. B.6 Metering issues related to LILO of the 132 KV Rihand (Pipri UPPTCL) – Sonenagar (BSPTCL) at Nagaruntari TSS--JUSNL**

For the work of electrification of Garhwa Road – Chopan-Singrauli section, the power supply to overhead equipment must be fed from Nagaruntari Traction sub-station of Railway, which falls in the state of Jharkhand. The nearest 132 KV source in the state of Jharkhand is Garhwa Grid substation which is 45 Km away from Nagaruntari Railway traction Sub-station. As such feeding of Nagaruntari Railway Traction Sub-station from Garhwa Grid Sub-Station will involve lots of ROW issues and huge expenditure. There is 132 KV D/C Transmission line connected between Rihand (Pipri) of UPPTCL and Sone Nagar GSS of BSPTCL which is 03 Km from Nagaruntari TSS which can be used for giving 132 KV supply to 132 KV Nagaruntari Railway traction Sub-station by making LILO arrangement from running transmission line. As ownership of above 132 KV line is with BSPTCL and Nagaruntari falls in the state of Jharkhand, permission and power allocation is required from Bihar State Power (Holding) Company Ltd. (BSPHCL). Railway may avail power through open access also.

Railway has made correspondence and meeting with JUSNL, UPPTCL and BSPTCL authorities. UPPTCL has given their no objection for construction of LILO from Ckt. -I of 132 KV Rihand – Sone Nagar Inter State Transmission Line vide letter no. 1622 dated ETD (M)/Traction dated 22.11.2014.

BSPTCL has also issued no objection for construction of LILO from Ckt. -I on 132 KV Rihand (Pipri) – Sone Nagar Inter State Transmission Line vide their letter no. 983 dated 17.02.2016.

JUSNL has already constructed above mentioned LILO as well as 132 KV bays in the TSS, Nagaruntari of Railway based on request by Railway and NOC by BSPTCL and UPPTCL. The complete LILO arrangement is ready for charging.

As per MOM dated 16.12.2015 and NOC of BSPTCL, approval of standing committee of Eastern Region is required before flow of power. On request of JUSNL through letter no. 652/ED (Operation)/CE/Tr. (O&M)/220/2015-16 dated 06.07.2020, CEA, New Delhi has conveyed in principle no objection for JUSNL to make LILO of the 132 KV Rihand (Pipri UPPTCL) – Sonenagar (BSPTCL) at Nagaruntari TSS. Also, this issue is to be discussed in 2<sup>nd</sup> meeting of Eastern Regional Power Committee (Transmission Planning) (ERPCTP) schedule to be held on 30.09.2020.

*In the 171<sup>st</sup> OCC Meeting, JUSNL informed that SEMs needed to be installed at Nagaruntari TSS to*

*bring the LILO arrangement into service.*

*ERLDC informed that a letter has already been issued to Powergrid ER-1 to provide two meters for the LILO arrangement.*

*Thereafter Powergrid informed that they have received the letter from ERLDC, and JUSNL can collect the meters from Powergrid Patna office.*

*JUSNL agreed to collect the SEMs and install at Nagaruntari TSS.*

JUSNL in a mail dated 1<sup>st</sup> Oct 2020 informed that all installations except establishment of telemetry data communication have been made and they are making all efforts to ensure commissioning of telemetry data communication within 90 days.

**JUSNL may update.**

**Item No. B.7 Data for preparation Load Generation Balance Report (LGBR) of ER for the year 2021-22**

As per the IEGC, RPC Secretariat is responsible for finalization of the Annual Load Generation Balance Report (LGBR) for Peak as well as Off-peak scenarios and the annual outage plan for the respective region

To facilitate the preparation of LGBR of Eastern Region by ERPC Secretariat within the schedule period, the following data/information for the year **2021-22** in respect of the constituents/utilities of Eastern Region is urgently required:

- i) The unit wise and station wise monthly energy generation proposed from existing units during 2021-22 (thermal/hydro/RES).
- ii) Annual maintenance program for each of the generating units (thermal and hydro both).
- iii) Generating units under R&M / long outage indicating date of outage and reasons of outage and expected date of return (thermal and hydro both).
- iv) Partial and forced outage figures (in %) of generating units for the last 3 years.
- v) Month wise peak demand (MW) – restricted and unrestricted peak demand.
- vi) Month wise off-peak demand (MW).
- vii) Month wise energy requirement (in MU).
- viii) Month wise & source wise power (both MU & MW) purchase and/or sale plan.
- ix) Schedule of commissioning of new generating units during 2021-22 and unit-wise monthly generation program (in MU).
- x) Allocation of power from new generating units.
- xi) Month wise and annual planned outage of transmission system (Transmission lines 220kV and above / ICTs / Reactors/ other elements).

Information may please also be submitted in the form of soft copy through email (mail ID: [mserpc-power@nic.in](mailto:mserpc-power@nic.in) / [ereb\\_cea@yahoo.co.in](mailto:ereb_cea@yahoo.co.in)).

*In the 171<sup>st</sup> OCC Meeting, OCC advised all the constituents to provide the relevant data as mentioned in the agenda to ERPC Secretariat through email (mail ID: [mserpc-power@nic.in](mailto:mserpc-power@nic.in) / [ereb\\_cea@yahoo.co.in](mailto:ereb_cea@yahoo.co.in)) latest by 31<sup>st</sup> Oct 2020.*

LGBR data for 2021-22 has been received from WBPDC, Bihar and MPL.

**Members may update.**

**Item No. B.8 Shutdown proposal of generating units for the month of November 2020.**

Generator shutdown for November 2020 is given below:

Proposed Maintenance Schedule of Thermal Generating Units of ER during 2020-21 in the month of Nov 20 (as finalised in LGBR meeting for 2020-21 held)							
System	Station	Unit	Capacity (MW)	Period		No. of Days	Reason
				From	To		
BIHAR	Barauni TPS Stg-I	7	110	23.11.20	17.12.20	25	Boiler Overhauling
DVC	BTPS-A	1	500	26.10.20	29.11.20	35	COH
ODISHA	Talcher TPS	5	110	22.11.20	21.12.20	30	AOH
	IB TPS	1	210	10.11.20	30.11.20	21	AOH
WBPDC	Bandel TPS	5	215	01.11.20	15.12.20	45	AOH/BOH
	BKTPS	1	210	01.11.20	10.11.20	10	Boiler License Renewal
	BKTPS	3	210	25.11.20	22.12.20	28	AOH/BOH
	Sagardighi TPS	4	500	01.11.20	10.11.20	10	Boiler License Renewal
CESC	Budge-Budge	1	250	17.11.20	06.12.20	20	Not Specified
IPP	MPL	1	525	15.11.20	29.12.20	45	COH
NTPC	TSTPS	2	500	26.10.20	09.12.20	45	COH (As agreed)
	KhSTPS	1	210	26.11.20	30.12.20	35	Boiler + Turbine + R&M
	FSTPS	4	500	23.11.20	22.12.20	30	Boiler

Total Outage in MW for the month of Nov 2020 is 1868 MW.

*In 171<sup>st</sup> OCC Meeting, NTPC informed that NTPC Farakka unit-II was taken under emergency shutdown due to stator earth fault. NTPC also informed that they have planned for the annual overhauling along with rectification work therefore the unit would be under shutdown for 50 days.*

MPL in a mail dated 12<sup>th</sup> Oct 2020 informed that the AOH of Unit-1 will be scheduled from 1<sup>st</sup> Dec 2020 to 14<sup>th</sup> Jan 2021.

NTPC TSTPS vide letter dated 12<sup>th</sup> Oct 2020 informed that there will be no shutdown of Units for the month of November 2020.

BRBCL in a letter dated 15<sup>th</sup> Oct 2020 informed that AOH of Unit-3 would be done from 21<sup>st</sup> Nov 2020 to 30<sup>th</sup> Dec 2020(40 days).

**Members may discuss.**

**Item No. B.9 Reconductoring work of 400 kV Rangpo-Binaguri D/C lines**

In 167<sup>th</sup> OCC, Powergrid updated that reconductoring work of 38 km of both the circuits out of 110 km line had been completed and the line is in service.

Powergrid requested for shutdown of the line from 1<sup>st</sup> November 2020.

**Members may discuss.**

**Item No. B.10 Installation of Energy Meter at 400kV Angul S/s---JITPL**

JITPL is incorporating ABT metering system for better energy management. The contract has been awarded to CMS to execute the ABT system and CMS has already installed the required hardware inside plant switchyard and generator end.

To complete the ABT system JITPL must install two ABT compatible energy meter at 400 kV Angul

Sub-station to fetch energy data from power (commercial) injection point. These two energy meters are to be installed in series with existing PGCIL energy meter.

In our O & M agreement with PGCIL executed in March 2020 this point has been included and agreed by both PGCIL and JITPL.

**Powergrid and JITPL may discuss.**

## **PART C: ITEMS FOR UPDATE**

### **Item No. C.1: Status of UFRs healthiness installed in Eastern Region.**

Jharkhand vide letter dated 9<sup>th</sup> Oct 2020 forwarded the UFR status for the month of September 2020.

**Members may update.**

### **Item No. C.2: Status of Islanding Schemes healthiness installed in Eastern Region.**

In 108<sup>th</sup> OCC meeting, respective constituents agreed to certify that the islanding schemes under their control area are in service on monthly basis.

Details received from the constituents is as follows:

Sl. No	Name of Islanding Scheme	Confirmation from Generator utility	Confirmation from Transmission and load utility
1	CESC as a whole Islanding		
2	BkTPS Islanding Scheme	Healthy	
3	Tata Power Islanding Scheme, Haldia		
4	Chandrapura TPS Islanding Scheme, DVC		
5	Farakka Islanding Scheme, NTPC		
6	Bandel Islanding Scheme, WBPDC	Healthy	

#### **a. Islanding Scheme of CTPS-B, DVC**

In 171<sup>st</sup> OCC meeting ERLDC had sought following clarifications from DVC:

- What is the proposed islanding frequency
- As formation of Island and Load Generation Balance is proposed to be made using OPGW communication, what is the status of OPGW network.
- frequency thresholds for sequential load shedding within the island for maintaining load generation balance
- How Phase-II sequential sheading is proposed, is it through central control or through UFR
- CTPS-Rajabera line is not shown in SLD
- Total Load of Island is 554 MVA while the Transformation Capacity is 460 MVA, so in case of islanding at the time of maximum load, transformer may trip.
- Details of phase-2 load shedding



- What is the minimum load at these substations, how LGB is proposed to be maintained in minimum load condition.
- Maximum Ramp up and Ramp down rate of machines
- Frequency band within which machine can operate stably
- Expected change in output with HP-LP bypass and time for same.

**DVC may explain.**

#### **b. Islanding scheme of KBUNL**

The following clarifications are pending from BSPTCL & KBUNL for implementation of the islanding scheme:

#### **KBUNL (NTPC)**

- i. Model for Governor system of KBUNL
- ii. Maximum Ramp up and Ramp down rate
- iii. Frequency band within which machine can operate stably
- iv. Expected change in output with HP-LP bypass and time for same

#### **BSPTCL**

- i. Present peak and Off peak MVA<sub>r</sub> loads of all substations considered in the island
- ii. Confirmation that lines within the island will not trip on encroachment of power swing in Zone-3
- iii. Reconfirm about existence and settings of UFR in the substations within the proposed island
- iv. Identification of suitable LV (33 kV) feeders (10 -15 MW load each) where UFR can be installed to maintain load generation balance within island after it has formed and fine tuning of island frequency.

**Members may update.**

#### **Item No. C.3: Primary Frequency Response Testing of Generating Units—POSOCO.**

NLDC vide letter dated 10<sup>th</sup> August 2020, communicated a procedure to be considered for Commercial Settlement during onsite testing of generators for Primary Response of regional generating units.

In the 170<sup>th</sup> OCC Meeting, ERLDC informed that as per IEGC regulations, Primary Frequency Response Testing of generators is a mandatory activity. It was informed that for compliance of the above regulations, selection of the vendor has already been completed and all the generators including IPP's and ISGS's have been informed accordingly. ERLDC further informed that all the power stations of ER except TSTPS-Kaniha, Adhunik, BRBCL, NPGC, Teesta-V & Dikchu have placed their LOA with M/S Solvina.

ERLDC mentioned that generally the testing would be carried out in three steps of generation level for each of the generating unit. The subjected generating unit must maintain the schedule to the desired level of generation during the period of testing in all the 3 steps. For this the Generating Stations which are having multiple units while testing at a particular level of a unit, the total schedule of that station can be maintained by adjusting generation in the remaining units. For Generating Stations which are having only one functional unit, during testing can maintain their schedule by purchase or sale of power from Real Time Marketing. For hydro-generators the testing may preferably be done during the period of receding monsoon. Therefore, it was clarified that normal DSM charges would be applied during the period of testing.

After detailed deliberation, OCC felt that it is desirable to know the duration of the test and its  
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possible impact on the scheduling to decide the commercial mechanism proposed in Annexure-B1.

ERLDC further informed that they are planning to hold a meeting with the testing agency, all regional generating stations and SLDC's wherein the testing procedure of all three steps viz. Full Load, 80% of Full Load and Technical Minimum would be discussed.

Thereafter OCC advised all the constituents to go through Annexure-B1 and submit their comments to ERPC within a week for finalization of commercial mechanism.

OCC also advised all the remaining ISGS and IPP generators to place the LOA and give a schedule of the test beforehand so that beneficiaries are informed in advance and the same can be discussed in the upcoming OCC Meetings.

On 10<sup>th</sup> Sep 2020, a meeting was held between ERPC, ERLDC, SLDC's and all regional generating stations wherein M/S Solvina gave a presentation on the details of Primary frequency response testing and the steps to be followed in the procedure.

Further all the members clarified their doubts, and it was decided that the remaining generators who have not placed their LOA with M/S Solvina should place it at the earliest.

*In the 171<sup>st</sup> OCC Meeting, it was informed that M/s Solvina gave a presentation on 10<sup>th</sup> Sep 2020 and explained the procedure. The presentation has been shared with the constituents.*

*It was also informed that this issue of commercial settlement mechanism has been discussed and finalized in the Commercial Committee Meeting held on 21<sup>st</sup> September 2020.*

*Further ERLDC informed that they have communicated to NTPC, Adhunik and BRBCL regarding placement of LOA with M/s Solvina.*

ERLDC informed that LOA with M/s Solvina from BRBCL and Teesta-III and LOA with M/s Siemens from GMR is still pending from Eastern Region.

**Members may update.**

#### **Item No. C.4: Testing of primary frequency response of state generating units by third party agency--ERLDC**

The Hon'ble Central Electricity Regulatory Commission (CERC), vide notification dated 12<sup>th</sup> April 2017, had notified Indian Electricity Grid Code (Fifth Amendment) Regulations, 2017. As per this notification, following provision has been added at the end of Regulation 5.2 (g) of Part 5 of the Principal Indian Electricity Grid Code (IEGC) Regulations: "Provided that periodic checkups by third party should be conducted at regular interval once in two years through independent agencies selected by RLDCs or SLDCs as the case may be. The cost of such tests shall be recovered by the RLDCs or SLDCs from the Generators. If deemed necessary by RLDCs/SLDCs, the test may be conducted more than once in two years."

In compliance of IEGC, process of testing of primary frequency response of regional generating units (eligible for RGMO as per IEGC section 5.2 (f)) has been started by POSOCO.

In the 170<sup>th</sup> OCC Meeting, ERLDC informed that as per the regulation, testing of primary frequency response of state generators by a third party is required to be undertaken by the respective SLDC's. Thereafter, SLDC Odisha informed that they have not finalized a plan yet, but they will communicate the detailed plan to ERPC by 15<sup>th</sup> Sep 2020.

OCC then advised all the SLDC's to prepare an action plan for their state generators having capacity of 200 MW or more and submit the details to ERLDC and ERPC within a week.

In the 171<sup>st</sup> OCC Meeting, OCC advised all the SLDC's to prepare the action plan for their state generators and submit the details to ERPC and ERLDC at the earliest.

DVC in a mail dated 6<sup>th</sup> Oct 2020 informed that the Primary Frequency Response Testing may be carried out for the following generating units:

Sl. No.	Name of the Units	Capacity (MW)
1	BTPS-A	500
2	CTPS Unit #7&8	2X250
3	DSTPS Unit#1&2	2X500
4	KTPS Unit # 1&2	2X500
5	MTPS Unit # 3 to 8	2 X 210 MW +2 X 250 MW + 2X 500 MW
6	RTPS Unit # 1 & 2	2 X 600 MW

However, at present the Primary Frequency Response Testing may not be possible for the following units of DVC:

Sl. No.	Name of the Units	Capacity (MW)	Remarks
1	BTPS-B U#3	210	The Governing system is of the Hydro-mechanical type and the Control system is a Solid-state Hardware/Relay based system.
2	DTPS U#4	210	The Governing system is of the Hydro-mechanical type and the Control system is a Solid-state Hardware/Relay based system
3	MTPS Unit # 1&2	2X210	C & I system of Unit 1 & 2 are originally supplied with a Solid-state Hardware-based system for SG & TG Package which is lacking in scalability and flexibility and the BOP Package is supplied with a primitive DCS system.

Respective SLDC's may update.

#### Item No. C.5: Transfer capability determination by the states.

Latest status of State ATC/TTC declared by states for the month of October-2020.

SL. No	State/Utility	TTC (MW)		RM(MW)		ATC Import (MW)		Remark
		Import	Export	Import	Export	Import	Export	
1	BSPTCL	4850	--	97	--	4753	--	Dec-20
2	JUSNL	1259	--	35	--	1224	--	Oct-20
3	DVC	1464	2870	63	50	1410	2820	Dec-20
4	OPTCL	2251	1432	74	54	2177	1378	Oct-20
5	WBSETCL	4851	--	400	--	4451	--	Nov-20
6	Sikkim	266	--	2.5	--	263.4	--	Dec-20

**Declaration of TTC on Website:**

Sl. No	State/Utility	Declared on Website	Website Link	Constraint Available on Website
1	BSPTCL	Yes	<a href="http://www.bsptcl.in/ViewATCTTCWeb.aspx?GL=12&amp;PL=10">http://www.bsptcl.in/ViewATCTTCWeb.aspx?GL=12&amp;PL=10</a>	Yes
2	JUSNL	Yes	<a href="http://www.jusnl.in/pdf/download/ttc_atc_nov_2020.pdf">http://www.jusnl.in/pdf/download/ttc_atc_nov_2020.pdf</a>	Yes
3	DVC	Yes	<a href="https://application.dvc.gov.in/CLD/atcttcmenu.jsp#">https://application.dvc.gov.in/CLD/atcttcmenu.jsp#</a>	Yes
4	OPTCL	Yes	<a href="https://www.sldcorissa.org.in/TTC_ATC.aspx">https://www.sldcorissa.org.in/TTC_ATC.aspx</a>	Yes
5	WBSETCL		Website Down	
6	Sikkim	No	—	No

**Members may update.**

**Item No. C.6: Mock Black start exercises in Eastern Region – ERLDC.**

Mock black start date for financial year 2019-20 is as follows:

Sl. No	Name of Hydro Station	Schedule	Tentative Date	Schedule	Tentative Date
		Test-I		Test-II	
1	U. Kolab	Last week of Oct 2020		Second Week of Feb 2021	
2	Balimela	Second week of Nov 2020		First Week of March 2021	
3	Rengali	Second week of Nov 2020		First Week of March 2021	
4	Burla	Second week of Nov 2020		First Week of March 2021	
5	U. Indravati	Last week of Oct 2020		Second Week of Feb 2021	
6	Maithon	Third Week of Nov 2020		First Week of March 2021	
7	TLDP-III	Second week of Nov 2020		Second Week of Feb 2021	
8	TLDP-IV	Third Week of Nov 2020		First Week of March 2021	
9	Subarnarekha	Second week of Nov 2020		Second Week of Feb 2021	
10	Teesta-V	Third Week of Nov 2020		Third Week of March 2021	
11	Chuzachen	Second week of Nov 2020		First Week of March 2021	
12	Teesta-III	Third Week of Nov 2020		First Week of March 2021	
13	Jorethang	Third Week of Nov 2020		First Week of March 2021	
14	Tasheding	Second week of Nov 2020		First Week of March 2021	
15	Dikchu	Second week of Nov 2020		Second Week of Feb 2021	

**Members may update.**

**Item No. C.7: Multiple outages of Isolators & Circuit Breakers at Ramchanderpur S/S (JUSNL)—ERLDC.**

In the 169<sup>th</sup> OCC Meeting, Jharkhand informed that replacement of isolator and circuit breakers is in progress under PSDF project. They have applied for shutdown from 1<sup>st</sup> Aug for normalizing all the Breakers and Isolators.

Thereafter, ERLDC informed that they are not getting any information on healthiness of the elements as a result they are facing problem in real time operation.

OCC then advised SLDC, Jharkhand and other utilities to ensure availability of all elements in ISTS connected stations for secure and reliable system operation and inform about any outage of the elements in their substation to ERLDC at the earliest.

In the 170<sup>th</sup> OCC Meeting, JUSNL informed that the work would be completed by 30<sup>th</sup> Aug 2020.

*In the 171<sup>st</sup> OCC Meeting, JUSNL informed that they have replaced all the breakers of Joda line. They further informed that due to Covid-19 pandemic the work related to 220 KV PGCIL circuit-II has been deferred. The replacement work for 132 kV system is in progress.*

*OCC advised JUSNL to complete the work related to 220KV and 132KV system within the time frame and update the status to ERPC.*

**JUSNL may update.**

**Item No. C.8: Prolonged outage of bays in Koderma (DVC) substation: ERLDC.**

The main CB of 400 KV Koderma-Bokaro-2 at Koderma was out since 25.12.2019 due to damage in the double interrupter chamber and the line is charged through the tie CB with B/R-2. On 15.07.2020, due to leakage of oil pressure of the main CB of B/R-2, DVC requested emergency S/D of the line due to the unavailability of main CB. Tie CB of B/R-1 and Gaya-1 was also out since 22.10.2019 due to oil leakage from B-ph CT and problem in CB hydraulic mechanism. Such prolonged outages of breakers at such an important substation which has connectivity to ISTS system as well as generating station hamper the reliability and security of the system operation.

In 169<sup>th</sup> OCC Meeting, DVC mentioned that bays of the Gaya line are made available. Work has already been started for restoring the Koderma line bays and the same would be available by 2<sup>nd</sup> Aug 20.

In the 170<sup>th</sup> OCC Meeting, DVC informed that the main CB of 400kV Koderma-Bokaro line at Koderma has been charged since 2<sup>nd</sup> Aug 2020. Further DVC mentioned that tie CB of Gaya-1 will be made available by 31<sup>st</sup> Aug 2020.

*In the 171<sup>st</sup> OCC Meeting, DVC informed that tie CB of Gaya-1 has been installed and it is expected to be charged on 26<sup>th</sup> Sep 2020.*

**DVC may update.**

**Item No. C.9: Operationalizing Bus splitting at Biharshariff--ERLDC**

Bus split arrangement at Biharshariff was already commissioned, however it was not put in service as split bus arrangement was causing uneven loading in 400/220 kV ICTs at Biharsariff. Thus, earlier it was decided that the same will be put in service after commissioning of 4th ICT at Biharshariff. After commissioning of 4th ICT simulation studies are carried out at ERLDC and same is also shared with Bihar SLDC. From the study it is observed that Bus-split at Biharshariff has no

significant effect on loading of 400 KV lines but 400/220 KV ICT flows is getting significantly skewed.

- N-1 contingency of 500 MVA ICT-IV leads to 265 MW loading on ICT –II (315 MVA rating) where in base case without bus-split, total ICT loading at Biharshariff was 560 MW and Bihar demand 4650MW.
- If we consider summer peak case having 6000 MW Bihar demand with 660 MW Biharshariff ICTs loading, N-1 contingency of 500 MVA ICT-IV leads to 301 MW loading on ICT –II (315 MVA rating).

In 169<sup>th</sup> OCC Meeting, ERLDC informed that Bihar had submitted a report wherein Bihar agreed for the implementation of bus-split arrangement.

Further, ERLDC added that Bihar has to make load shedding scheme to avoid the tripping of 315 MVA ICT on overload during tripping of 500 MVA ICT.

Thereafter, OCC opined that depending on the power flows after putting the bus splitting scheme in service, the SPS scheme should be decided.

OCC then advised Powergrid to make necessary changes in protection settings for implementation of the bus-split arrangement and to coordinate with remote end sub-stations. OCC further, advised Powergrid to intimate a suitable date to ERLDC for putting the bus splitting scheme in service at Biharshariff.

In the 170<sup>th</sup> OCC Meeting, Powergrid informed that they have computed the protection settings for split mode operation and forwarded to their corporate office for review and comments. Powergrid added that they will update status as soon as they receive the information from their corporate office.

*In the 171<sup>st</sup> OCC Meeting, ERLDC informed that Powergrid had confirmed that there is no requirement of putting a group-II settings for this bus splitting at the remote end substations of Powergrid.*

*ERLDC added that Bihar has to make a load shedding scheme to avoid the tripping of 315 MVA ICT on overload during tripping of 500 MVA ICT.*

*OCC advised SLDC, Bihar to prepare a plan for the load shedding scheme to avoid unwanted tripping of 315 MVA ICT and submit to ERPC and ERLDC. The scheme would be discussed in the upcoming PCC meeting.*

*OCC advised ERLDC to interact with Powergrid and finalize a date for implementation of the bus splitting scheme.*

ERLDC mentioned that even after reminders and communication in OCC/PCC meeting, it is observed that no load trimming scheme has been shared by Bihar SLDC and BSPTCL so far. It may kindly be seen that any equipment damage at Bihar sharif due to high fault level will be attributable to delays from respective utility end due to non-implementation of bus-split scheme SLDC.

**Bihar may confirm readiness of load trimming scheme so that bus splitting can be implemented at the earliest.**

**Item No. C.10: Constitution of a committee for independent verification of self-declarations and auditor's / accountant's certificates on random basis and in the case of complaints.**

CEA vide letter dated 17<sup>th</sup> August 2020 informed that In pursuance of DPIIT order No. P-45021/2/2017-PP(BE-II) dated 04.06.2020 regarding Public Procurement (Preference to Make in India), order 2017 (PPP-MII)-'clause 9(d)' and MoP Order No. 11/05/2018/Coord dated 28.07.2020-

'clause 6', a Committee has been constituted for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in case of complaints. The composition of the Committee is given below:

Chairperson	Member (Planning), CEA
Member	Chief Engineer (PSETD), CEA
Member	Chief Engineer (HETD), CEA
Member	Chief Engineer (TETD), CEA
Member	Chief Engineer (DP&R), CEA
External Expert	As may be co-opted by CEA
Convener	Chief Engineer (R&D), CEA

In this regard, it is required to submit to this office the procurement wise details and self-declaration certificates submitted by the suppliers regarding local contents of the purchases.

Before furnishing the details to Verification Committee, the self-declarations certificate about local contents etc. may also be verified at your end and an analysis report of the same may be furnished.

Compliance report regarding cyber security/safety of the equipment/process to be rendered as safe to connect, regular safety audit certificates (as mentioned in the Annexure-III of the aforesaid MoP Order) based on the requirement of the tender issued by the procuring entity may also be furnished in respect of each purchases.

Also, procuring entities are requested to add a clause in their tender documents mentioning that the *"Self-declarations/ auditor's/ accountant's certificates submitted by the manufacturer/ supplier may be verified randomly by the committee constituted as per MoP Order 28-07-2020. In case of false documents/misrepresentation of the facts requisite action against such manufacturer/ supplier will be taken based on the recommendation of the Committee."*

The communication in this regard may be made with Ms. Sheetal Jain, Deputy Director, CEA, R K Puram, New Delhi 110066. Phone No. 011-26732286 Email [cerndcea@gmail.com](mailto:cerndcea@gmail.com)

In the 170<sup>th</sup> OCC Meeting, OCC advised all the constituents to submit the certificates provided by the suppliers and manufacturers to CEA through the given email.

*In the 171<sup>st</sup> OCC Meeting, OCC advised all the constituents to submit the certificates provided by the suppliers and manufacturers to CEA through the given email within 15 days.*

**All the constituents are advised to provide the certificates to the given mail.**

#### **Item No. C.11: Monthly Data on Category-wise consumption of electricity in States/UTs--CEA.**

1. CEA vide mail informed that Hon'ble MoSP(IC) has desired the month-wise category-wise consumption data in the various States/UTs from April, 2019 to July, 2020. CEA requested all the concerned utilities of States to furnish the data at the earliest.

In 170<sup>th</sup> OCC Meeting, SLDC DVC informed that they had already provided the data vide mail on 11.08.2020 & 21.08.2020.

Thereafter SLDC Odisha, Bihar and Jharkhand agreed to submit the relevant details within three days.

SLDC West Bengal informed that currently they were not having the category wise data. They further informed that they would contact their distribution system and forward it to ERPC.

OCC then advised Sikkim to submit the relevant information to ERPC.

*In the 171<sup>st</sup> OCC Meeting, SLDC Odisha, Bihar and Jharkhand agreed to submit the relevant details within fifteen days.*

*SLDC West Bengal informed that category wise data is not available with them and they have informed the distribution licensees regarding the same. They will forward the data as soon as they get it from the distribution licensees.*

OCC then advised all the SLDC's to submit the data within 15 days.

**SLDC's may update.**

2. CEA also informed that Hon'ble MoSP(IC) has also desired to know the reasons for the use of captive power plants by Industrial Consumers despite availability of adequate power in the country.

In the 170<sup>th</sup> OCC Meeting, OCC advised all the states to communicate the reasons regarding use of captive power plants by industrial consumers despite availability of power in the country to ERPC at the earliest.

*In 171<sup>st</sup> OCC Meeting, OCC advised all the states to communicate the reasons regarding use of captive power plants by industrial consumers despite availability of power in the country to ERPC at the earliest.*

**States may communicate the reasons for usage of Captive Power Plants.**

**Item No. C.12: ER Grid performance during September 2020.**

The average and maximum consumption of Eastern Region and Max/Min Demand (MW), Energy Export for the month September – 2020 were as follows:

Average Consumption (Mu)	Maximum Consumption(mu)/ Date	Maximum Demand (MW)	Minimum Demand (MW)	Schedule Export	Actual Export
		Date/Time	Date/Time	(Mu)	(Mu)
462	488.6 MU 19-09-2020	23600 MW 12-09-2020 23:50	16146 MW 23-09-2020 06:25	3393.5	3223.8

ERLDC may present Performance of Eastern Regional Grid.

**Item No. C.13: Performance primary frequency response of generating stations in Eastern Region for the event in the month of September 2020.**

No events of sudden frequency change occurred during the month of September 2020.

All the Generators and SLDCs are requested to share the relevant FRC data as soon as the event has occurred so that ERLDC can analyze the response of the Generators.

**Members may note.**



## **PART D: OPERATIONAL PLANNING**

### **Item No. D.1: Anticipated power supply position during November 2020.**

The abstract of peak demand (MW) vis-à-vis availability and energy requirement vis-à-vis availability (MU) for the month of November 2020 were prepared by ERPC Secretariat on the basis of LGBR for 2019-20 and feedback of constituents, keeping in view that the units are available for generation and expected load growth etc. is enclosed at **Annexure D1**.

**Members may confirm.**

### **Item No. D.2: Shutdown proposal of transmission lines for the month of November 2020.**

ERLDC may place the list of transmission lines shutdown discussed on 16<sup>th</sup> October 2020.

**Members may update.**

### **Item No. D3: Major Generating Units/Transmission Element outages/shutdown in ER Grid (as on 11.10.2020).**

SL. No	Station	State	Agency	Unit No	Capacity (MW)	Reason(s)	Outage Date
1	KOLAGHAT	W. BENGAL	WBPDC	1	210	POLLUTION PROBLEM	10-May-2018
2	KOLAGHAT	W. BENGAL	WBPDC	2	210	ESP FIELD MAINTENANCE	26-Dec-2019
3	SAGARDIGHI	W. BENGAL	WBPDC	3	500	ROTOR EARTH FAULT SYSTEM CHECKING ALONG WITH OTHER MAINTENANCE ACTIVITIES	10-Oct-2020
4	SANTALDIH TPS	W. BENGAL	WBPDC	6	250	ANNUAL OVERHAULING	10-Sep-2020
5	Sterlite	ODISHA	SEL	3	600	ANNUAL OVERHAULING	21-Sep-2020
6	TTPS	ODISHA	NTPC	2	62.5	ANNUAL OVERHAULING	26-Sep-2020
7	FSTPP	W. BENGAL	NTPC	2	200	GENERATOR ELECTRICAL PROTECTION	14-Sep-2020
8	JITPL	ODISHA	JITPL	2	600	GENERATOR ELECTRICAL PROTECTION	25-Sep-2020
9	KHSTPP	BIHAR	NTPC	1	210	SUPER HEATER SPRAY LEAKAGE	20-Sep-2020
10	KHSTPP	BIHAR	NTPC	6	500	ASH DYKE RESTRICTION	04-Oct-2020
11	NABINAGAR(BRBCL)	BIHAR	NTPC	2	250	FLASHOVER IN TG BEARING	07-Oct-2020
12	BARAUNI TPS	BIHAR	BSPHCL	6	110	ELECTRICAL PROTECTION TRIP; PROBLEM IN BEARING GEAR MOTOR	25-Feb-2020
13	DPL	W. BENGAL	WBPDC	8	250	DUE TO IN-SUFFICIENT ASH DISPOSAL	18-Sep-2020
14	OPGC3	ODISHA	OPGC	3	660	ASH EVACUATION PROBLEM	05-Sep-2020
15	SAGARDIGHI	W. BENGAL	WBPDC	2	300	AUXILLARY SUPPLY FAILED	18-Mar-2020

All Generating stations are requested to update expected restoration time and reason outage if any change. Same need to be informed ERLDC/ERPC on weekly basis also.

## **Major Generating stations Out on Reserve Shutdown due to low system demand**

Generators/ constituents are requested to update the expected date of revival of the units.

SL. No	Station	State	Agency	Unit No	Capacity (MW)	Reason(s)	Outage Date
1	KOLAGHAT	W. BENGAL	WBPDC	3	210	RSD/LOW SYSTEM DEMAND	13-Jun-2020
2	KOLAGHAT	W. BENGAL	WBPDC	4	210	RSD/ LOW SYSTEM DEMAND	15-Jul-2020
3	KOLAGHAT	W. BENGAL	WBPDC	6	210	RSD/LOW SYSTEM DEMAND	16-Jan-2020
4	MEJIA TPS	DVC	DVC	1	210	RSD/LOW SYSTEM DEMAND	26-Sep-2020
5	MUZAFFARPUR TPS	BIHAR	BSPHCL	1	110	RSD/ LOW SYSTEM DEMAND	10-Aug-2020
6	MUZAFFARPUR TPS	BIHAR	BSPHCL	2	110	RSD/ LOW SYSTEM DEMAND	15-Aug-2020

## **Hydro Unit Outage report:**

SL. No	Station	State	Agency	Unit No	Capacity (MW)	Reason(s)	Outage Date
1	BALIMELA HPS	ODISHA	OHPC	1	60	R & M WORK	05-Aug-2016
2	BALIMELA HPS	ODISHA	OHPC	2	60	R & M WORK	20-Nov-2017
3	BURLA HPS/HIRAKUD I	ODISHA	OHPC	1	49.5	R & M WORK	14-Mar-2018
4	BURLA HPS/HIRAKUD I	ODISHA	OHPC	5	37.5	R & M WORK	25-Oct-2016
5	BURLA HPS/HIRAKUD I	ODISHA	OHPC	6	37.5	R & M WORK	16-Oct-2015
6	BURLA HPS/HIRAKUD I	ODISHA	OHPC	7	37.5	ANNUAL MAINTENANCE	06-Dec-2019

It is seen that about 282 MW hydro capacities in Odisha is under forced outage / planned outage in the period of peak monsoon and therefore not available for providing the much-needed peaking support during evening peak. SLDC / OHPC may please indicate restoration plan of the units.

## **Line Long Outage Report:**

SL. NO	Transmission Element / ICT	Agency	Outage Date	Reasons for Outage
1	400 KV IBEUL - JHARSUGUDA D/C	IBEUL	29-04-2018	TOWER COLLAPSE AT LOC 44,45
2	220/132 KV 100 MVA ICT I AT LALMATIA	FSTPP/JUSNL	22-01-2019	Failure of HV side breaker
3	220 KV PANDIABILI - SAMANGARA D/C	OPTCL	03-05-2019	TOTAL 60 NOS OF TOWER IN BETWEEN 220KV PANDIABILI – SAMANGARA LINE IN WHICH 48 NOS TOWERS FULLY DAMAGED AND 12 NOS TOWERS PARTIALLY DAMAGED. WORK UNDER PROGRESS.

4	400 KV MOTIHARI(DMTCL)- GORAKHPUR-I	POWERGRID/DMTCL	13-08- 2019	LINE SWITCHED OFF DUE TO ANTICIPATED TOWER COLLAPSE AT LOC 27/0(132) DUE TO CHANGE OF COURSE OF GANDAK RIVER.TOWER COLLAPSED REPORTED AT LOC 27/0(132) ON 15/08/19 AT 07:00 HRS.  400KV BARH -GORAKHPUR 1 CHARGED AT 18:57 HRS ON 05.02.20 AS INTERIM ARRANGEMENT BYPASSING LILO PORTION OF MOTIHARI.
5	400 KV MOTIHARI(DMTCL)- GORAKHPUR-II	POWERGRID/DMTCL	13-08- 2019	Earlier reconfigured Barh - Gorokpur # II again LILOED back at Motihari and the portion beyond Motihari shall be termed as 400 KV MOTIHARI(DMTCL)-GORAKHPUR-II
6	400 KV BARH- MOTIHARI(DMTCL) -I	POWERGRID/DMTCL	04-09- 2019	TOWER COLLAPSE AT LOCATION 26/0 AND 25/5. 400KV BARH -GORAKHPUR 2 CHARGED AT 10:06 HRS ON 31.01.20 AS INTERIM ARRANGEMENT BYPASSING LILO PORTION OF MOTIHARI.  400KV BARH -GORAKHPUR 1 CHARGED AT 18:57 HRS ON 05.02.20 AS INTERIM ARRANGEMENT BYPASSING LILO PORTION OF MOTIHARI.
7	400 KV KOLAGHAT- NEW CHANDITALA	WBSETCL	25-04- 2020	For connectivity in between 220KV KTPP-Howrah Ckt and 400KV KTPP-New Chanditala ckt. Part of line to be used at 220 KV to supply power to Howrah from Kolaghat
8	220/132 KV 100 MVA ICT 3 at Chandil	JUSNL	30-04- 2020	ICT BURST AND DAMAGED AFTER FIRE REPORTED
9	132 KV NEW KISHANGANJ - BARSOI S/C	BSPTCL	02-07- 2020	Out due to heavy soil erosion at loc no 140 and 141 by river Kankai. line charged as 132 KV Purnea (PG) - Barsoi w.e.f 21.07.20 at 19:05 Hrs temporarily by suitable jumper arrngement at the crossing point of 132 kV Kisanganj(New) - Barsoi and 132 kV Purnea(PG) - Kisanganj (old).
10	132KV-PURNEA (PG)- KISHANGANJ(OLD) S/C	BSPTCL	02-07- 2020	
11	220kV Barauni-Hajipur Ckt-1	BSPTCL	28-09- 2019	Tower collapse at location 38 & 39. Ckt-2 is on ERS since 13.01.2020.
12	220 kV Howrah - KTPP D/C	WBSETCL	01-04- 2020	Tower collapse at loc no 66 due to soil erosion. Connectivity in between Howrah and Kolaghat restored by interim arrangement using 220KV KTPP-HOWRAH Ckt I , 220 KV Arambag-Domjur -II and 400KV KTPP-NEW CHANDITALA Ckt
13	400KV/220KV 315 MVA ICT 4 AT RANGPO	PGCIL	20-08- 2020	Hydrogen level increased to Alarming Value.Abnormal sound coming from ICT.
14	400KV-NEW PURNEA-GOKARNA	PGCIL	04-09- 2020	To attend and avoid tower collpase situation due to continuous erosion due to flood in the river Ganga at tower loc no 1103
15	400KV-NEW PURNEA-FSTPP	PGCIL	04-09- 2020	
16	220kV HAJIPUR- AMNOUR-1	BSPTCL	05-08- 2020	220/132/33KV Amnour GIS substation of BGCL under SLDC Bihar was switched off at 02:19 hrs on 05.08.20 due to Flood by opening both the 220 kV lines. Flood situation improved on 19.09.20 and accordingly, Amnour S/S charged at 17:34 hrs on date 19.09.20 through 220 kV Hazipur-Amnour#2. But situation again got worsen and as a result of that, Amnour S/S has been nulled by opening 220 kV Hazipur Amnour#2 at 23:37 hrs on 04.10.20 owing to flood
17	220kV HAJIPUR- AMNOUR-2	BSPTCL	04-10- 2020	

18	400KV/220KV 315 MVA ICT 2 AT ROURKELA	PGCIL	11-10-2020	ERECTION WORKS RELATED TO PARALLELLING OF NEW ICT WITH EXISTING ICT AT ROURKELA
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As per long outage list, most of the important grid elements, inter-state as well as intra-state, are under outage for long time due to tower collapse and other issues.

Transmission licensees/ Utilities are requested to update expected restoration date & work progress regarding restoration regularly to ERLDC/ERPC on monthly basis by 5<sup>th</sup> of each month so that status of restoration can be reviewed in OCC. Utilities are also requested to update outage of any elements within their substation premises like isolator/breaker to ERLDC/ERPC regularly. (Reported as per Clause 5.2(e) of IEGC)

**Members may update.**

#### **Item No. D.4 Commissioning of new units and transmission elements in Eastern Grid in the month of September 2020.**

The details of new units/transmission elements commissioned in the month of September-2020 based on the inputs received from beneficiaries:

SL NO	Element Name	Owner	Charging Date	Charging Time	Remarks
1	132/33 KV, 31.5 MVA Transformer 3 Kakdwip 132 KV S/S (WBSETCL)	WBSETCL	30-09-2020	08:42	
2	132 KV Durgapur-Panagarh GISS Ckt 1 & 2	WBSETCL	11-09-2020	15:15 15:16	
3	132 kV Marsaghai - Kendrapara RTSS ckt -II	OPTCL	02-09-2020	17:57	
4	160 MVA, 220/132 kV Auto Transformer - II charged at Grid S/S, Kesinga	OPTCL	02-09-2020	18:04	
5	220 kV Bus -I & Bus -II charged at Grid S/S, Kesinga	OPTCL	02-09-2020	18:21	
6	132 kV Bhalumaska RTSS feeder bay charged at Grid S/S Therubali	OPTCL	30-09-2020	18:15	
7	132KVMokamah (BGCL) - Hathidah (BSPTCL) D/C	BSPTCL	22-09-2020		
8	220kv GIS Mokama-Begusarai D/C	BSPTCL	24-09-2020		220kv-Biharsariff-Begusarai DC made LILO at Mokama
9	220kv GIS Mokama-Biharsharif D/C	BSPTCL	24-09-2020		

**Members may update.**

#### **Item No. D.5 UFR operation during the month of September 2020.**

Frequency profile for the month is as follows:

Month	Max	Min	% Less IEGC Band	% Within IEGC Band	% More IEGC Band
	(Date/Time)	(Date/Time)			
September, 2020	50.03, 26-09-2020 06:02	49.64 24-09-2020 18:50	4.23	84.24	11.53

Hence, no report of operation of UFR has been received from any of the constituents.

**Members may update.**

\*\*\*\*\*



## Smart Infrastructure

The General Manager-(CTU)  
**Power Grid Corporation of India Ltd**  
 Saudamini, Plot no.2  
 Sector 29, Gurgaon  
 Haryana 122001

Kind Att: Mr. Anil Meena

Name: Vikas Chaturvedi  
 Department: RC-IN SI DG Software  
 Telephone: 0124-6246680  
 Fax:  
 Mobile: +91 9654841659  
 E-mail: Vikas.chaturvedi@siemens.com

Your letter of  
 Our reference: PSS®E\_dongles\_exchange-01  
 Date: 30/09/2020

<b>Subject</b>	<b>Request to provide contact details for providing PSS®E Cmdongles to various stakeholders as part of Maintenance &amp; Support contract reference no. CC-CS/1035-CC/ITSH-4149/3/G3/NOA/9060 dated 25/08/2020</b>
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Dear Sir,

Please refer to above contract regarding PSS®E Maintenance & Support renewal for various stakeholders as per enclosed list attached. Siemens need to supply new Cm dongles as a exchange to the old sentinel dongles of PSS®E. In this regard, we need the contact details of each company as per following. Please note the old sentinel dongles would not work with updated PSS®E version 35 and above and this new Cm dongles would work well with PSS®E V34 and PSS®E 33.12 as well. You will need to confirm the etched number on the existing sentinel dongles lock and confirmation the dongle will be returned within 30 days of supply of new Cmdongle deliverable.

Please confirm the below contact details to whom we can dispatch the new dongles. Kindly provide the above details at the earliest possible so that we can start this dongle exchange process.

**Entity name:**  
**Dispatch Address:**  
**Primary contact:**  
**Secondary contact:**  
**Email Id:**  
**Mobile Number:**

Thank you

With best regards,

Vikas Chaturvedi  
 Siemens Ltd.  
 RC-IN SI DG SW  
 Mobil: +91 9654841659  
 Enclosed: Entities Details enclosed

Siemens Ltd.  
 Management: Sunil Mathur

Plot no. 6A, Sector 18, Maruti  
 Industrial Area, Huda, Gurgaon,  
 Haryana 122015 **0124-6246000**

Registered Office: Birla Aurora, Level 21, Plot No. 1080, Dr. Annie Besant Road, Worli, Mumbai – 400030; Corporate Identity number: L28920MH1957PLC010839;  
 Tel.: +91 (22) 3967 7000; Fax: +91 22 3967 7500;  
 Contact / Email: www.siemens.co.in/contact; Website: www.siemens.co.in.  
 Sales Offices: Ahmedabad, Bengaluru, Bhopal, Bhubaneswar, Chandigarh, Chennai, Coimbatore, Gurgaon, Hyderabad, Jaipur, Jamshedpur, Kharghar, Kolkata, Lucknow, Kochi, Mumbai, Nagpur, Navi Mumbai, New Delhi, Puducherry, Pune, Vadodara, Visakhapatnam.



**Annexure-1**

List of Organizations / Entities / STUs considered for M&amp;S for PSSE Licenses.

Sl. No.	State transmission Utilities	Licenses considered	Dongle No
1	Power Grid Corporation of India Ltd.	35	16261, 16706, 17260 16262, 16708, 17264 16263, 16711, 17265 16287, 16712, 17277 16314, 16713, 17279 16315, 16714, 17281 16316, 16736, 17283 16621, 16737, 17288 16622, 16738, 17307 16623, 17210, 17309 16624, 17232, 17320 16690, 17248
2	Central Electricity Authority	11	16641, 16642, 16643, 16644, 16645, 16646, 16647, 16648, 16649, 16650, 17274,
3	Central Electricity Regulatory Commission	2	16606, 16607
4	Eastern Region Power Committee	2	16298, 17302
5	North Regional Power Committee	2	16320, 17208
6	North-Eastern Regional Power Committee	2	16280, 17265
7	Southern Regional Power Committee	2	16348, 17270
8	Western Regional Power Committee	2	16256, 17189
9	AP Transco	2	16344, 16345
10	Bhakra Beas Management Board	2	16338, 16339
11	Damodar Valley Corporation	2	16292, 16293
12	Delhi Transco Ltd	2	16324, 16325
13	Government of Arunachal Pradesh	2	16285, 16286
14	Government of Nagaland	2	16268, 16269
15	Government of Sikkim	2	16719, 16720
16	Gujarat Energy Transmission Company Limited	2	16259, 16260
17	HP Power Transmission Company Ltd	2	16317, 16318
18	Jharkhand State Electricity Board	2	16299, 16300
19	Karnataka State Power Transmission Corporation. Ltd.	2	16353, 16354
20	Kerala State Electricity Board	2	16340, 16341
21	Meghalaya Energy Corporation Ltd	2	16276, 16277
22	Odisha Power Transmission Company Ltd	2	16681, 16682

अमित कुमार

अमित

सिंह

Singh Amit  
KumarDigitally signed by Singh Amit  
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DN: cn=Singh Amit Kumar,  
o=Siemens,  
email=singhamit@siemens.com  
Date: 2020.07.27 16:23:17 +0530Agarwal  
SamirDigitally signed by Agarwal Samir  
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email=samir.agarwal@siemens.com  
Date: 2020.07.27 17:52:25 +0530Gandhi  
ManishDigitally signed by Gandhi Manish  
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Record Notes of Discussions in respect of Procurement of Maintenance &amp; Support of Power System Analysis Software (PSS/E) from SIEMENS.

Page 1 of 2



23	Power Transmission Corporation Uttaranchal Ltd	2	16470, 16472
24	Punjab State Transmission Company Ltd	2	16332, 16333
25	Rajasthan Rajya Vidyut Prasaran Nigam Ltd.	2	16334, 16335
26	Union Territory Chandigarh	2	16585, 16586
27	Union Territory Dadar & Nagar Haveli	2	16674, 16675
28	Uttar Pradesh Power Transmission Company Ltd	2	16319, 16321
29	West Bengal State Electricity Company Ltd	2	16296, 16297
30	Assam Electricity Grid Corporation Ltd	2	16274, 16275
31	Bihar State Power Transmission Company Ltd	2	16294, 16295
32	Chhattisgarh State Power Transmission Company Ltd	2	16671, 16672
33	Government of Goa	2	16264, 16265
34	Government of Manipur	2	16272, 16273
35	Government of Mizoram	2	16356, 16357
36	Government of Puducherry	2	16342, 16343
37	Haryana Vidyut Prasaran Nigam Ltd	2	16322, 16323
38	Union Territory of Jammu & Kashmir	2	16336, 16337
39	Madhya Pradesh Power Transmission Company Ltd	2	16250, 16251
40	Maharashtra State Electricity Transmission Company Ltd	2	16248, 16249
41	Tamil Nadu Transmission Corporation Ltd	2	16346, 16347
42	Tripura State Electricity Corporation Ltd	2	16270, 16271
43	Union Territory of Daman & Diu	2	16257, 16258
	<b>Total Licenses</b>	<b>128</b>	

Note: The above dongle numbers are as per Siemens record as per the distribution in 2012/13 under the referred contract dated 12.08.2012. In case of any changes in dongle numbers, the same shall be re-validated by SIEMENS without any cost liability, however number of licenses per entity for M&S renewal remains same.

अमित कुमार

अमित

विनय चौधरी

Singh Amit  
Kumar

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Agarwal  
Samir

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email=samir.agarwal@siemens.com  
Date: 2020.07.27 17:52:47 +0530'

Gandhi  
Manish

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email=manish.gandhi@siemens.com  
Date: 2020.07.28 08:34:47 +0530'

Record Notes of Discussions in respect of Procurement of Maintenance &  
Support of Power System Analysis Software (PSS/E) from SIEMENS.

Page 2 of 2

अमित





**Weekly Update - DMTCL LILO restoration status**  
**by Darbhanga-Motihari Transmission Company Limited**  
**08<sup>th</sup> October 2020**



- **Current status of Temporary arrangement** – Power flow upto ~360 MW to North Bihar region through temporary restored Barh-Motihari line
- **Status of Permanent restoration**
  - Owing to discharge of water from Valmiki barrage in Gandak river the restoration site is still inundated with water and inaccessible, therefore work cannot be resumed at restoration site. The discharge graph from Valmiki barrage is attached in slide 4 for reference. Newspaper coverage of damage done by Gandak river is in slide 6-7 for reference. Also, due to uneven discharge from Valmiki barrage, the Gopalganj side bank of Gandak river are cutting, owing to which the tower loc 26/3 and 26/0 is now completely in water.
  - Our teams tried to start the access road work from the Areraj bund side but due to inundated water JCB got stuck and was not able to move forward (Site pictures of JCB stuck in water in slide 8 for reference). Access roads are presently submerged in water.
  - In addition to above, no. of Covid cases are rising in the Bihar region (Newspaper coverage in slide 5 for reference) and lockdown in the containment zones across country is extended till 31<sup>st</sup>-October-2020 and all the guidelines issued by Ministry of Home Affairs (MHA) for 'unlock 5' are applicable.
  - Site teams are keeping an eye on the situation at site and work for permanent restoration of the transmission lines will be taken up under suitable condition after monsoon period with revised execution strategy based on the new geography of river

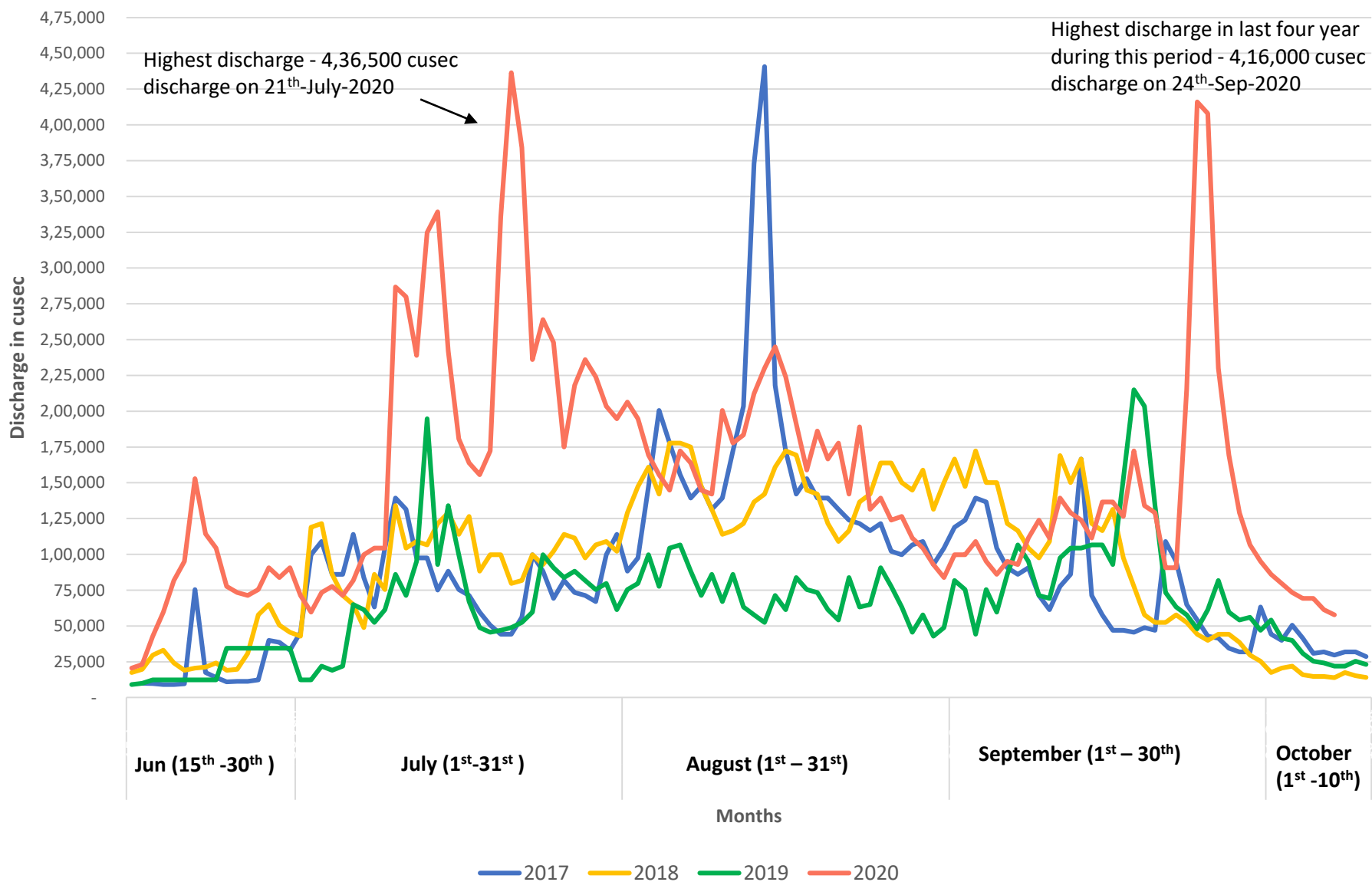
# Current status of restoration work

Tower No.	Current Status	Remarks
<b>Barh-Motihari Line</b>		
25/1 (G)	Completed	....
25/2 (G)	Completed	....
25/3 (G)	Completed	....
<b>26/0 (G)</b>	Moved from river to land; 16/20 piles completed	No work progress due to increased water level of Gandak river resulting in complete flooding of site area
26/3 (A)	All 16 piles and 4 pile cap completed	Tower erection and Stringing after charging of Motihari Gorakhpur Circuit
26/4 (A)	All 4 legs completed	Same as above
<b>Motihari-Gorakhpur Line</b>		
26/1 (G)	All 16 piles, 4 Pile cap and chimney completed	No work progress due to increased water level of Gandak river resulting in complete flooding of site area
26/2 (G)	Completed	....
<b>26/3 (G)</b>	Moved from river to land; 11 piles completed	No work progress due to increased water level of Gandak river resulting in complete flooding of site area
27/0 (R)	Completed	----
27/3 (A)	All 16 piles completed; 4 Pile cap completed	No work progress due to increased water level of Gandak river resulting in complete flooding of site area
27/4 (A)	Foundation completed	No work progress due to increased water level of Gandak river resulting in complete flooding of site area

# Valmiki barrage Yearly Discharge data



Valmiki barrage Discharge







# गोपालगंज प्रभात



विधि- पूर्णिमा तिथि रावि 1 26 तक उपरान्त प्रविष्ट विधि, नवाग्र-उत्तराश्विन ( रावि 6.02 तक), एका-पुष्य, नवम-अश्वि अश्विन, विजय संक्रान्ति- 2077, श्राव संक्रान्ति- 1942, विजय संक्रान्ति- 13, वि- पुष्य, महीना- राव, वर्ष- 1442, श्राव- राव- 14, दिन- कुलविकार, नवम-अश्वि, वृषभ- 1427.

- सोमोपि विजयती - ज्योतिषाचार्य

आज 17:54 बजे संख्या:



अल 17:54 बजे संख्या:

उदय 06:04 बजे प्रातः

उदय 06:04 बजे प्रातः

उदय 06:04 बजे प्रातः

उदय 06:04 बजे प्रातः

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उदय 06:04 बजे प्रातः

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उदय 06:04 बजे प्रातः

प्रभात खबर

फटना, गुटवार 1.10.2020 03

## चिंता. लगातार बढ़ रही कोरोना मरीजों की संख्या, 4314 तक पहुंचा आंकड़ा पुलिस, पत्रकार, स्वास्थ्यकर्मी समेत 43 लोग कोरोना से संक्रमित, 566 हैं एक्टिव

सात लोगों की अब तक हो चुकी है कोरोना से मौत, मात्र चारह लोग

संवाददाता, गौरीगंज



सदर अस्पताल में कोरोना की जांच करने लगे.

हर दिन 1500 से 2200 लोगों की कोरोना की जांच की जा रही है. जांच के बाद कुछों को कोरोना से निपटें जरूरी की जा रही है.

कोरोना से दिन लगे से निपटें एक्टिव अड्डे है, उनमें पुलिस के सदस्यों की जांच की जा रही है निपटें निपटें निपटें. कोरोना से सत कोरोना के निपटें एक्टिव अड्डे है, उनमें पुलिस के सदस्यों की जांच की जा रही है निपटें निपटें निपटें.

कोरोना अपडेट

43 नये मरीज  
4314 पॉजिटिव  
3748 रिकवर  
0566 एक्टिव  
0007 मौत

### भोरे के बीडीओ, एक मुखिया सहित मिले 18 पॉजिटिव केस

भोरे - भोरे में कोरोना की रफ्तार में है, भोरे के बीडीओ और प्रखंड की एक पंचायत के मुखिया से कोरोना संक्रमित मिले हैं. उनके साथ कुल 18 लोगों की निपटें पॉजिटिव अड्डे है. बाकी संक्रमित पॉजिटिव केस मिलने के साथ ही प्रखंड के साथ पंच पूरा मरे हैं. वहीं बीडीओ के कोरोना पॉजिटिव होने की जानकारी मिलने के बाद प्रखंड अस्पताल में लक्षणों पर मरे हैं. कल देना के अती एक दिन पहले ही अस्पताल का बीडीओ के कोरोना से संक्रमित की जांच की जा रही है. कल देना के अती एक दिन पहले ही अस्पताल का बीडीओ के कोरोना से संक्रमित की जांच की जा रही है. कल देना के अती एक दिन पहले ही अस्पताल का बीडीओ के कोरोना से संक्रमित की जांच की जा रही है.

**LALIT NARAYAN MITHILA UNIVERSITY,**  
KAMESHWARNAGAR, DARBHANGA-846004

**UG ADMISSION NOTICE (2020-21)**

Online applications are invited from 01.10.2020 for admission in Under Graduate Regular programmes running (BA/BCom/BSc), in different colleges of L N Mithila University, Darbhanga. For detail information, desirous candidates are required to visit LNMU Web-site : [www.lnmua.ac.in](http://www.lnmua.ac.in). The last date for online submission of application form is 16.10.2020.

By order of the Vice-Chancellor  
Sd/-  
**REGISTRAR**

**नालन्दा खुला विश्वविद्यालय**  
राजपुरा 1932, विन्डोमन नगर, गौरी नगर, पटना-800 001

ऑनलाइन एवं ऑफलाइन विधि से शिक्षण

विभिन्न पाठ्यक्रमों को प्रदान करने में नालन्दा विश्वविद्यालय में विद्यमान

नालन्दा विश्वविद्यालय में ऑनलाइन एवं ऑफलाइन विधि से शिक्षण करने वाले विद्यार्थियों को प्रदान करने में नालन्दा विश्वविद्यालय में विद्यमान

नालन्दा विश्वविद्यालय में ऑनलाइन एवं ऑफलाइन विधि से शिक्षण करने वाले विद्यार्थियों को प्रदान करने में नालन्दा विश्वविद्यालय में विद्यमान

**B.Ed** Delhi Counseling Schedule  
03-10-2020 to 07-10-2020

नेपाली छात्र-छात्राओं को ऑनलाइन एवं ऑफलाइन विधि से शिक्षण करने वाले विद्यार्थियों को प्रदान करने में नालन्दा विश्वविद्यालय में विद्यमान

नेपाली छात्र-छात्राओं को ऑनलाइन एवं ऑफलाइन विधि से शिक्षण करने वाले विद्यार्थियों को प्रदान करने में नालन्दा विश्वविद्यालय में विद्यमान

नेपाली छात्र-छात्राओं को ऑनलाइन एवं ऑफलाइन विधि से शिक्षण करने वाले विद्यार्थियों को प्रदान करने में नालन्दा विश्वविद्यालय में विद्यमान

८. सिखईलिया व कैकुल्युट में प्रमुख सड़कों पर लेखी से बह रहा बाढ़ का पानी

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મીઠાનપુર મેંભાઈ નથી મેંભાઈ સારું

## बाढ़ के दर्द से सिसक रही पीड़ितों की जिंदगी

**सिद्धान्त**। लौकिक की जलन कम हो  
सकना हमें भी पता है, लेकिन बाद का  
कर्म अभी लोगों की चर्चा में था तब ही, दो  
मी की अजीब कथाओं में जलन की चर्चा में  
लौकिक की चिन्ताएँ दिखाई दीं। क्या-क्या  
में पानी होने के कारण लोगों का क्लेश बढ़  
पड़ा है, दूसरे कारणों से क्लेश हो चुका है  
रहा, अजीब कथाओं के कारण भी कोई पल  
समझाई जा रहा है। हमें भी जलन बढ़  
रहने-उठने की चेतावनी है, कहीं के लोग  
किन्तु एक तरह की चिन्ता पानी-जल  
लौकिक के चर्चा की कथाओं-कथा-कथा में  
दिखाई दे रही है। जलन की चर्चा में जल  
की चर्चा है, पानी की चर्चा है। जलन बढ़  
पड़ा, अजीब कथा में, किन्तु जलन,  
सिद्धान्त, हमारी अजीब-अजीब चिन्ताएँ  
जलन के पानी की जलन-चिन्ता में ही। जल  
लौकिक है। जलन की चर्चा में जलन ही, जल  
का पानी, जलन-जलन-जलन की चर्चा में  
जलन ही ही चर्चा-चर्चा है, जलन ही।



साहू के बानी में पूर्ण मान के तुल्य तुल्य है।  
 ईश्वरीय रूप साधन पर समस्त ब्रह्म को है।  
 साहू ब्रह्मसत्त्विक रूप पर ज्ञान तक सुखे  
 पति की आध्यात्मिक गति की गति है। पर के  
 लोचन साधक तक साहू का पति यह तुल्य  
 है। साहू की साधकीय गति पर ही साधनी है।

[illegible]



## गोपालगंज प्रभात

पटना, गुरुवार

08.10.2020

# परेशानी. पानी घटने पर लौटने लगे पीड़ित, घर में न अनाज है, न ही बची फसल दीपक की माली पत्नी के संग रह

## गंडक की तबाही से कराह रहा बैकुंठपुर

### नुकसान

- नुकसान का दर्द लिये सिसक रही तीन लाख की आबादी
- गौरगंज-सतरघाट रोड पर भी धर्मवादी गांव के पास पानी बह रहा

संवाददाता, गोपालगंज

गंडक नदी का जल स्तर कम होने के साथ ही बाढ़ पीड़ित गांवों में से पानी घटने लगा है. कई गांवों में तो लोग घरों की ओर लौटने भी लगे हैं. सर्वाधिक क्षति बैकुंठपुर को हुई है. यहाँ अब भी महम्मदपुर- मरारक रोड पर हमीनपुर के पास पानी बहा रहा है. जबकि पनरूप 101 पर बालबुल व हरदिया के बीच भी पानी बहा रहा. इनका ही नहीं गौरगंज-सतरघाट रोड पर भी धर्मवादी गांव के पास पानी का बाधा है. पानी तो तेजी से ऊपर रहा है लेकिन बाढ़पीड़ितों का दर्द अभी खत्म होने का नाम नहीं ले रहा है. पानी के सैलाब में लोगों के अस्थान बह चुके हैं. घर का अनाज पानी से खराब हो गया और खेत का फसल पानी में बह गया. बाढ़ से लौटने लगा है. लेकिन इसका नुकसान का दर्द लिये पाँच लाख से अधिक की आबादी अपने भाग्य पर सिसक रही है.



बाढ़ के पानी में डूबे घर.

### सड़कों से उखड़ने लगे बाढ़पीड़ितों के तंबू, खाली होने लगी सड़क

बटौली. प्रखंड के अधिकतर गांवों से बाढ़ का पानी भरि-भरि हट रहा है और अपने पीछे तबाही का निशान भी छोड़ता जा रहा है. पानी हटने के साथ ही सड़कों या नहर पर तंबू लगा कर बसेरा बनाये बाढ़पीड़ितों के अपने घर लौटने का सिलसिला शुरू हो गया है. प्रखंड के दक्षिणी ओर से गुजरने वाली सारण नहर तथा खैबरन-सरफत पथ स्थित सुरुखल के पास सड़क पर बसेरा बनाये बाढ़पीड़ित घरों को लौट रहे हैं. लेकिन उनकी समस्या घर लौटने के साथ और बढ़ने लगी है. अब इन बाढ़पीड़ितों को एक बार फिर नवे रिस से अपनी गुरुखी जमानी पड़ेगी. इनके घरों में न अनाज है, न बिछवन है, न पैसे ही हैं. दर्जनों बाढ़पीड़ित तो ऐसे हैं जिनके घर भी नहीं हैं. घर बाढ़ की भेंट बह चुके हैं.

### कोरोना और बाढ़ ने वर्षों की मेहनत पर फेरा पानी संकट में लोग

बटौली. सारण तटबंध को टूटे हुए करोड़ों डॉलर की मेहनत हो गयी. बांध टूटने के बाद प्रखंड के अधिकतर गांव पानी में डूब गये. धीरे-धीरे समय गुजरता गया और बाढ़ का पानी घर-घर घरे में पहुँचकर ग्रामीणों को परेशान करा रहा. फिलहाल प्रखंड के करीब आधा दर्जन गांवों में बाढ़ का पानी अपना डेरा जमाये हुए है. ग्रामीण परेशान हैं. उनकी परेशानी इस बात को लेकर है कि माघ से अबतक कोलेना अपना कहर दिखाती आया. अब बाढ़ ने उनकी पूरी तरल तबाह कर दिया. लौकहाउन में प्रवासी मजदूर मजदूरी छोड़ घर आ गये तो पैसे अपने भी बंद हो गये. दुकान, व्यवसाय, परिवहन तथा लोक गतिविधि और पर प्रेक लगने के साथ हर तरफ की अवदनी पर भी ब्रेक लगा गये. यहाँ तक कि समाजसेवियों ने मतों की तक प्रवासी श्रमिकों के परिवार को भोजन कराया और स्थिति को संभालने में योगदान दिया. कोलेना अभी पाल ही रहा था कि बाढ़ ने जले पर जैसे नमक छिड़का दिया. बाढ़ी मेहनत के साथ और कर्म लेकर बोधी गयी फसलें बाढ़ की भेंट बह गयी. घर में रखे रुपये, यहाँ खींट अन्य कीमती सामान बह गये और लोग खाली हाथ ऊँची जवाही पर ज़रफ लेने की मजबूर हुए.

### संवाददाता, विजयीपुर

मृतक दीपक की मिठाई की बिक्री परिया का है. उसके पिता योगेश कर्मा मुसहरा जाजर में फल की दुकान चलाता है. फल की दुकान से ही परिवार का भरण-पौषा होता है. अब वह अन्य कोई खेत नहीं है. उसी दुकान पर मृतक दीपक कर्मा भी कभी-कभी पिता की सहायता हेतु नुकन चलाता था तथा उसकी माँ मालती देवी भी. उन्हें दुकान पर फल की दुकान चलाने में मदद करती है. योगेश वर्षों के चार लड़के थे.

जिधमें बड़े लड़के की मृत्यु हो गई. उनके बाद पीछे बर्मा है जो दिवंगत के चनकटा रेलवे स्टेशन पर परिवार के साथ रहकर जलेबी बेचकर परिवार चलाता है. तीसरा लड़का दिनेश कर्मा है जो कर्नाटक के विजय शहर में शावर मजदूरी का काम करता है. वह सबसे छोटा लड़का था. योगेश कर्मा के पास एक पुत्र भी जन्म नहीं है. मृतक दीपक वर्षों के शराब पीने हमेशा माफेट कामों में लग आकर उसकी पत्नी दिल्ली में लकर मजदूरी कर अपने दो बच्चों की 'बेट' पावती है. उसी के पास दीपक भी रहता था. लेकिन वह भी अधिक शराब पीने के कारण पत्नी से अलग हो गया था. मृतक की पत्नी रश्मि था लौकहाउन के फाले ही दिल्ली से घर आ गया था. मृतक की पत्नी तीसमती देवी दो पुत्र विष्णु कुमार 7 वर्ष तथा पुत्री 5 वर्ष सीमा कुमारी के साथ दिल्ली में ही मजदूरी कर गुजारा करती है.

### विजयीपुर



मृत युवक की माँ मालती



बाढ़ के हमले में पावत

## Site pictures



*DMTCL tried to start the construction of access roads from Areraj bund side to tower locations which got damaged due to flooding, with the help of JCB but JCB got stuck in inundated water and was not able to move forward*





## Site pictures



*River condition*



*Condition of access road*



Thank You

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*DMTCL is a subsidiary of Sekura Energy Ltd.*

*The Management System of Sekura Energy Ltd. and DMTCL has been approved by Lloyd's Register to: ISO14001:2015, ISO 45001:2018*

# OCC MEETING

## Restoration of 132kV PTPS JUSNL-DVC Patratu Tie Circuit 84 (6C)

## HISTORY:

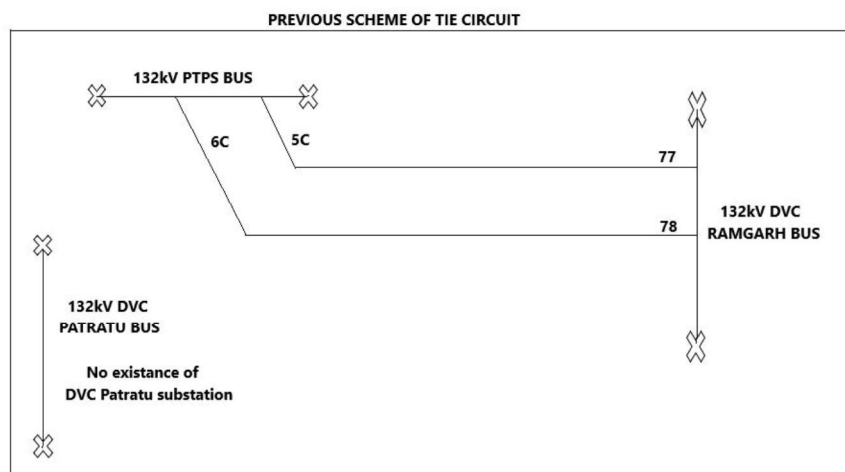
- Initially there were two independent 132kV lines between PTPS, Patratu and DVC Ramgarh s/s, which was called 77, 78 in terms of DVC nomenclature and 5C, 6C in terms of JSEB nomenclature. DVC Patratu s/s was not in existence.
- In early 70s, the configuration of existing circuitries modified with inception of newly constructed DVC Patratu s/s at Balkudra, patratu.

1

2

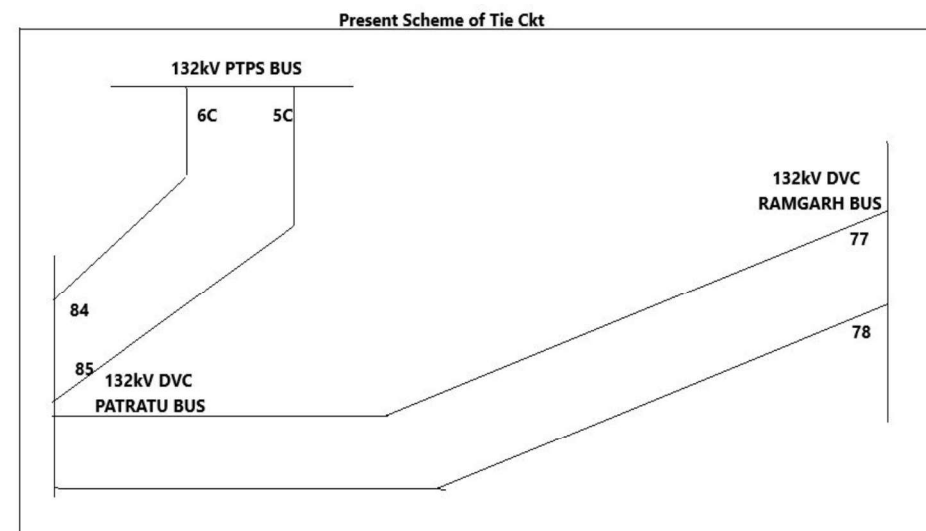


## Previous Configuration of Tie Ckt



3

## Present Configuration of Tie Ckt



4



## Diversion Proposal & Coml Clearance

01. JUVNL approached DVC and sought clearance regarding diversion of Tie Ckts for construction of Ash Dyke area of new 2X800MW PTPS Project (a joint venture with NTPC).

02. Vide no. COML/Diversion/PTPS-5130 dated 26.02.2020, Commercial clearance was issued from DVC.

5



## Shutdown Initiation and Work Progress

- Reference to the issued Construction Clearance, AGM, NTPC approached DVC Patratu substation on 28.02.2020 for shutdown of both circuits for a period of one week (upto 06.03.2020) at a stretch regarding the said diversion work.
- The work could not be materialized on time and subsequently threat of COVID-19 erupted.
- In view of urgency of the matter concerned, early restoration was requested from all corners.

7



## Content of Commercial Clearance

- As per remarks (column 17) of the said Coml. Clearance:

132kV Multi-circuit towers will be used where one side (i.e. left side from existing location no. 14 to gantry at PTPS end) will be utilized for DVC's transmission lines and other side will be used for M/s JUSNL's transmission lines due to paucity of corridor.

6



## Normalization of Tie Ckt. 85(5C)

- After consistent persuasion during LOCKDOWN situation from all corner, tie line 85 (5C) got normalized through top left side circuit of multi ckt. tower on 09.05.2020.
- Further, it was noticed that both side's lower ckts. of multi ckt. tower is in service for JUSNL's Ranchi based lines.

8



## Request for amendment of Construction Clearance



- Vide letter no. 837 G.M, C&M(NWBP)/JUSNL dated 20.08.2020, JUSNL requested to DVC for amendment in construction clearance for early restoration of tie ckt 84.
- They conveyed that restoration of 84 through right side top ckt can easily be done but termination of the same in left side lower ckt as per construction clearance requires shutdown of both Ranchi based ckts for a considerable period which is very difficult in present scenario.

9



## Point of View DVC Vs JUSNL



- Whenever shutdown of lower ckt would be required to carry out O&M activities in upper ckt, DVC will have to face the same difficulties which JUSNL is facing today.
- The maintenance of diverted section will be carried out by JUSNL as and when required. Further existing scheme will again be shifted in 4-5 years with shifting of switchyard of PTPS, which is underway.

10



## Present Status of Site



- No work is going on, at Site.
- Tie Ckt 84 is out from PTPS end.
- It is kept charged from DVC end upto location no. 12.
- Early restoration is necessary in view of radial mode of power supply to Patratu and NK s/s.

11

Thank You



12

ANTICIPATED POWER SUPPLY POSITION FOR THE MONTH OF NOV-20			
SL.NO	PARTICULARS	PEAK DEMAND IN MW	ENERGY IN MU
1	BIHAR		
i)	NET MAX DEMAND	4900	2550
ii)	NET POWER AVAILABILITY- Own	568	174
iii)	Central Sector+Bi-Lateral	4680	2223
iv)	SURPLUS(+)/DEFICIT(-)	348	-153
2	JHARKHAND		
i)	NET MAXIMUM DEMAND	1430	830
ii)	NET POWER AVAILABILITY- Own Source	341	175
iii)	Central Sector+Bi-Lateral+IPP	958	475
iv)	SURPLUS(+)/DEFICIT(-)	-131	-180
3	DVC		
i)	NET MAXIMUM DEMAND	2980	1915
ii)	NET POWER AVAILABILITY- Own Source	5097	2752
iii)	Central Sector+MPL	519	263
iv)	Bi- lateral export by DVC	1650	1188
v)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	987	-88
4	ODISHA		
i)	NET MAXIMUM DEMAND	4100	2340
ii)	NET POWER AVAILABILITY- Own Source	3569	1613
iii)	Central Sector	1930	718
iv)	SURPLUS(+)/DEFICIT(-)	1399	-9
5	WEST BENGAL		
5.1	WBSEDCL		
i)	NET MAXIMUM DEMAND	6065	2750
ii)	IPCL DEMAND	81	58
iii)	TOTAL WBSEDCL's Energy Requirement (incl.B'Desh+Sikkim+IPCL)	6156	2815
iv)	NET POWER AVAILABILITY- Own Source	4398	1625
v)	Contribution from DPL	465	190
vi)	Central Sector+Bi-lateral+IPP&CPP+TLDP	2443	1298
vii)	EXPORT (TO B'DESH & SIKKIM)	10	7
viii)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	1151	298
5.2	CESC		
i)	NET MAXIMUM DEMAND	1850	790
ii)	NET POWER AVAILABILITY- Own Source	750	393
iii)	FROM OTHER SOURCE (INCL. IPP/CPP-29-30 MU/M)	560	88
iv)	IMPORT FROM HEL	540	309
v)	TOTAL AVAILABILITY OF CESC	1850	970
vi)	SURPLUS(+)/DEFICIT(-)	0	0
6	WEST BENGAL (WBSEDCL+DPL+CESC) (excluding DVC's supply to WBSEDCL's command area)		
i)	NET MAXIMUM DEMAND	7996	3598
ii)	NET POWER AVAILABILITY- Own Source	5613	2208
iii)	CS SHARE+BILATERAL+IPP/CPP+TLDP+HEL	3543	1695
iv)	SURPLUS(+)/DEFICIT(-) BEFORE WBSEDCL'S EXP.	1161	305
v)	SURPLUS(+)/DEFICIT(-) AFTER WBSEDCL'S EXP.	1151	298
7	SIKKIM		
i)	NET MAXIMUM DEMAND	128	62
ii)	NET POWER AVAILABILITY- Own Source	4	1
iii)	- Central Sector	176	71
iii)	SURPLUS(+)/DEFICIT(-)	52	10
8	EASTERN REGION		
i)	NET MAXIMUM DEMAND	21111	11295
ii)	BILATERAL EXPORT BY DVC	1650	1188
iii)	EXPORT BY WBSEDCL	10	7
iv)	NET TOTAL POWER AVAILABILITY OF ER (INCLUDING CS ALLOCATION +BILATERAL+IPP/CPP+HEL)	26998	12367
v)	ENERGY SURPLUS(+)/DEFICIT(-) OF ER AFTER EXPORT (v = iv - i - ii - iii)	4227	-122