



# Minutes of **166<sup>th</sup> OCC Meeting**

**Date: 04.03.2020**  
**Eastern Regional Power Committee**  
**14, Golf Club Road, Tollygunge**  
**Kolkata: 700 033**

## Eastern Regional Power Committee

### **Minutes of 166<sup>th</sup> OCC Meeting held on 20<sup>th</sup> February 2020 at Bhubaneswar, Odisha**

List of participants is at **Annexure-A**.

#### **Item no. 1: Confirmation of minutes of 165<sup>th</sup> OCC meeting of ERPC held on 22.01.2020**

The minutes of 165<sup>th</sup> OCC meeting were uploaded in ERPC website and circulated vide letter dated 07.02.2020 to all the constituents.

Members may confirm the minutes of 165<sup>th</sup> OCC meeting.

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

*Members confirmed the minutes of 165<sup>th</sup> OCC Meeting.*

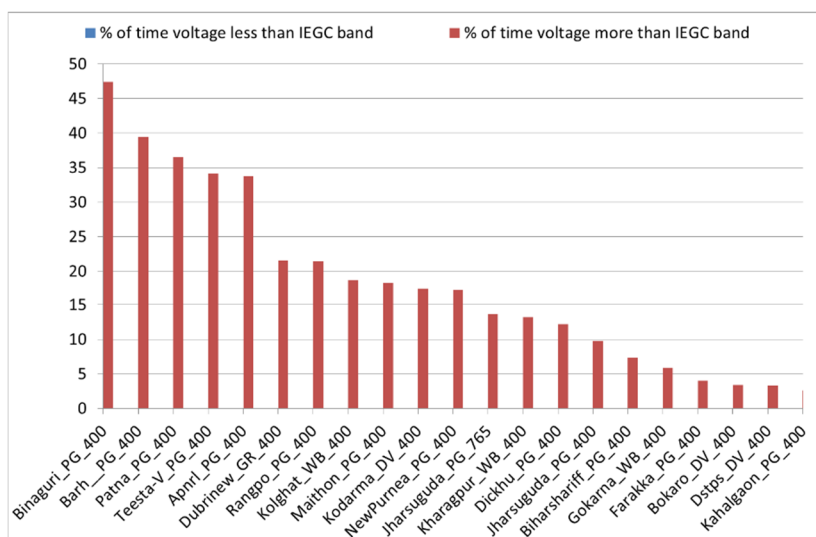
### **PART A: ER GRID PERFORMANCE**

#### **Item no. A1: ER Grid performance during January, 2020**

The average consumption of Eastern Region for January – 2020 was 356.2 Mu. Eastern Region energy consumption reached a monthly maximum of 370.7 Mu on 31st January – 2020. Total Export schedule of Eastern region for January – 2020 was 2896.6 Mu, whereas actual export was 2742.9 Mu.

ERLDC may present the performance of Eastern Regional Grid covering the followings:

1. Frequency profile
2. Over drawal/under injection by ER Entities
3. Performance of Hydro Power Stations during peak hours
4. Performance of ISGS during RRAS
5. Reactive Power performance of Generators
6. Over Voltage issue in ER substations



High voltage is observed at different nodes in Eastern Region during the month of January 2020. Some of the nodes where voltage is beyond IEGC upper limit for significant amount of time during the month of January 2020 are shown above.

It can be seen that many of the high voltage nodes such as Barh, APNRL, Kolaghat, Koderma etc. are generator nodes or close to generator node. As generators are not absorbing sufficient MVAR as per their capability curve is one of the reason for this sustained high voltage.

## **7. Restricted Governor /Free Governor Mode Operation of generators in ER**

On 18th January 2020, at 12:36hrs 1085 MW generation loss occurred at Chandrapur in WR resulting frequency drop from 49.97 Hz to 49.88 Hz at Nadir point. FRC of the ER was 55% of ideal response as per tie line flow measured by ERLDC SCADA data. Despite of repeated reminders to generating stations, generation output data are yet to be received from Farakka STPP, Talcher STPP, BRBCL, Barh, NPGC, JITPL & APNRL for this event. At the time of the event, Teesta V, Teesta III and Dikchu HEP were not in service. As per the data available at ERLDC, response was satisfactory only for GMR and Talcher STPP. Though response has been observed in case of KhSTPP stage I, final response was not adequate and it did not last for more than 2 minutes. In case of MPL, response was not satisfactory due to technical issues related to high specific coal consumption. In case of DVC, response was not satisfactory for all generating units except Mejia unit #7 and DSTPS unit #1. Summary of the response observed is shown in following table.

<b>Category</b>	<b>Regional generating stations and state control area</b>
Satisfactory response	GMR and Talcher STPP
Response has been observed but tuning required	KhSTPP stage I and MPL
Non-Satisfactory response	FSTPP, TSTPP, Barh STPP, BRBCL, JITPL, APNRL, Jharkhand, DVC, GRIDCO and WB
Unit not available	Teesta III, Dikchu and Teesta HEP

All the generating units and SLDCs are advised to share the reason for non-satisfactory response (whichever applicable) along with remedial action taken. All the regional generating stations and SLDCs are requested to nominate one nodal person for sharing FRC related information.

## **8. Severe Fluctuation in Voltage and Power in Jeypore -Gajuwaka Area (HVDC pole 1 tripped) observed on 31 Jan and 4th and 5th Feb 2020**

Three events of severe nature have occurred near Jeypore and Gajuwaka Area where severe hunting has been observed in Power and Voltage and HVDC Gajuwaka Pole 1 has tripped. The timing of the event is as follows:

1. 14:46hrs to 14:51hrs on 31-01-2020
2. 14:34hrs to 14:36hrs on 04-02-2020
3. 08:34hrs to 08:38hrs on 05-02-2020

An email was sent from ERLDC on 6<sup>th</sup>Feb 2020 showing severity of the oscillation and seeking following information:

**Orissa SLDC/OPTCL/OHPC/OPGC to find out and Share (SLDC to coordinate) and NTPC Talcher:**

1. Any Generator Control Malfunction (All Hydro/thermal near Jeypore/Indrawati areas for their excitation/governor control issues)
2. Any Transmission line where continuous auto-reclosure occurring due to transient fault (Arcing due to lower voltage kV line passing below)
3. Any other reason for such faults and fluctuation in Orissa network
4. Any CPPs/Loads providing such fluctuation in the system
5. Why No generators of Orissa has reported hunting to System Operator in such huge network fluctuation

**PGCIL Orissa RTAMC/AM to Check and Share :**

1. HVDC Gajuwaka Pole 1 and 2 Alarm Log (10 min prior and 10 min after the event timing including the event)
2. JeyporeStatcom TFR for all triggering (In PMU its response has been observed)
3. Why Pole 1 tripped and not Pole 2
4. Why Pole 1 and Pole 2 were kept at uneven loading (150 and 350 MW)
5. Any Transmission line where continuous auto-reclosure occurring due to transient fault (Arcing due to lower voltage kV line passing below)

All were advised to immediately take up the issue and give it the highest priority in view of Grid Security and Reliability and respond.

**Deliberation in the meeting**

*ERLDC presented the performance of the Eastern Regional Grid during January 2020. The presentation is enclosed at **Annexure-A1**.*

*ERLDC informed that three events of severe hunting had been observed in Power and Voltage signals near Jeypore and Gajuwaka Area. HVDC Gajuwaka Pole 1 got tripped on 31<sup>st</sup> January 2020.*

*Powergrid informed that HVDC Gajuwaka pole 1 was hand tripped on 31<sup>st</sup> January 2020.*

*After detailed deliberation, OCC advised Powergrid, OPTCL, SLDC Odisha, state generators in Odisha and NTPC to submit the relevant details as mentioned in agenda to ERLDC at the earliest.*

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

### **Item No. B.1: Peak hours declaration for the month of April 2020 for Eastern Region--ERLDC**

Sub-clause (3) of clause 42 of CERC (Terms and Conditions of Tariff) Regulations, 2019 reads as

*“... The number of hours of “Peak” and “Off-Peak” periods during a day shall be four and twenty respectively. The hours of Peak and Off-Peak periods during a day shall be declared by the concerned RLDC at least a week in advance ...”*

As per decision taken in 163<sup>rd</sup> ER OCC meeting, **July, August and September are declared as the high demand season for the year 2020-21 for Eastern Region.**

As per the previous year April month demand pattern of Eastern Region, **Peak hours for the month April 2020 of Eastern Region is proposed to be 19:00 hrs to 23:00 hrs.**

As per Sub-clause (3) of clause 42 of CERC (Terms and Conditions of Tariff) Regulations, 2019, in case of a generating station having beneficiaries across different regions, the High Demand Season and the Peak Hours will correspond to the High Demand Season and Peak Hours of the region in which majority of its beneficiaries, in terms of percentage of allocation of share, are located.

Member may please discuss.

### **Deliberation in the meeting**

*After detailed deliberation, OCC decided that the peak hours for the month April 2020 of Eastern Region shall be 19:00 hrs to 23:00 hrs.*

### **Item No. B.2: Automatic Under Frequency Load Shedding (AUFLS) Scheme**

In the 2<sup>nd</sup> meeting of NPC held on 16<sup>th</sup> July 2013, the following AUFLS scheme with 4 stages of frequency viz. 49.2 Hz, 49.0 Hz, 48.8 Hz & 48.6 Hz had been decided to implement in all the regions:

AUFLS	Frequency (Hz)	Load relief in MW					
		NR	WR	SR *	ER	NER	Total
Stage-I	49.2	2160	2060	2350	820	100	7490
Stage-II	49.0	2170	2070	2360	830	100	7530
Stage-III	48.8	2190	2080	2390	830	100	7590
Stage-IV	48.6	2200	2100	2400	840	100	7640
<b>Total (MW)</b>		<b>8720</b>	<b>8310</b>	<b>9500</b>	<b>3320</b>	<b>400</b>	<b>30250</b>

\*SR grid not integrated with NEW grid at that point of time.

The scheme had been implemented throughout the country.

In 7<sup>th</sup> NPC meeting held on 08<sup>th</sup> September 2017, it was agreed that there is need for review of the quantum of load shedding. The RPCs were to deliberate on additional slabs of frequency as well as raising the set frequency for UFR operation and inform the outcome to NPC.

In 8<sup>th</sup> NPC meeting, held on 30.11.2018, members agreed for the AUFLS scheme with 4 stages and raising the frequency by 0.2 Hz viz. 49.4, 49.2, 49.0 & 48.8 Hz. It was further decided that the quantum for AUFLS would be reworked by NPC Secretariat considering the requirement of load shedding to increase the frequency to 50 Hz in each stage of AUFLS operation.

In 9<sup>th</sup> NPC meeting held on 22.11.2019, it was decided to implement the AUFLS scheme with 4 stages and raising the frequency by 0.2 Hz viz. 49.4, 49.2, 49.0 & 48.8 Hz by keeping the quantum for AUFLS same as decided in 2<sup>nd</sup> NPC Meeting. It was also decided that a committee with all RPCs and NLDC would study and review the required quantum for each slab of AUFLS and submit a report to NPC. Minutes of the meeting are awaited.

The total load quantum for ER constituents is given below:

Control Area	Stage –I (49.4 Hz) (MW)	Stage –II (49.2 Hz) (MW)	Stage–III (49.0Hz) (MW)	Stage–IV (48.8Hz) (MW)	Total Relief by Control Area
Bihar	98	99	99	101	397
Jharkhand	61	62	61	62	246
DVC	134	135.5	136	137	542.5
Odisha	181.5	183.5	184	186	735
WB & CESC	345.5	350	350	354	1399.5
<b>Total</b>	<b>820</b>	<b>830</b>	<b>830</b>	<b>840</b>	<b>3320</b>

In 42<sup>nd</sup>TCC, all the constituents were advised to implement the revised AUFLS scheme as per the NPC decision within a month and submit a report to ERPC Secretariat and ERLDC.

TCC decided to review the implementation status in the next OCC Meeting.

In 164<sup>th</sup> OCC, all the SLDCs and STUs were advised to implement the revised AUFLS scheme by 1<sup>st</sup> week of January 2020 and submit a report to ERPC Secretariat and ERLDC.

*In 165<sup>th</sup> OCC, JUSNL informed that revised AUFLS scheme had been implemented in Jharkhand except at Lalmatia and Jamthara.*

*DVC, Bihar and Odisha agreed to implement the revised AUFLS scheme by 31<sup>st</sup> January 2020. WBSETCL and CESC agreed to implement the revised AUFLS scheme by 15<sup>th</sup> February 2020.*

*Report received from Odisha is enclosed at **Annexure-B2**.*

Members may update.

### **Deliberation in the meeting**

*JUSNL informed that revised AUFLS scheme had been implemented in Jharkhand except at Latehar feeder.*

*Odisha, CESC, Bihar and DVC informed that revised AUFLS scheme had been implemented.*

*OCC advised JUSNL, CESC, Bihar and DVC submit the list of feeders as per the format given in Annexure-B2.*

### **Item No. B.3: Implementation of Automatic Demand Management Scheme (ADMS)-ERLDC**

The latest status along with proposed logic as follows:

SI No	State/Utility	Logic for ADMS operation	Implementation status/target	Proposed logic (if different from under implementation logic)
1	West Bengal	F <49.7 AND deviation > 12 % or 150 MW	Implemented on 25.11.16	F <49.9 AND deviation > 12 % or 150 MW

2	DVC	F <49.7 AND deviation > 12 % or 150 MW	Implemented on 17.06.2016	
3	Bihar	F <49.7 AND deviation > 12 % or 150 MW	They would place the order to Chemtrol for implementation.	F <49.9 AND deviation > 12 % or 150 MW
4	Jharkhand	1. System Frequency < 49.9 Hz AND deviation > 12 % or 25 MW 2. System Frequency < 49.9 Hz AND deviation > 12 % or 50 MW 3. System Frequency < 49.9 Hz AND deviation > 12 % or 75 MW	In service from 21 <sup>st</sup> August 2019.	Condition 1: Block I feeders will be selected for load shedding Condition 2: Block I & II feeders will be selected for load shedding Condition 3: Block I, II & III feeders will be selected for load shedding
5	Odisha	1. System Frequency < 49.9 Hz 2. Odisha over-drawl > 150 MW 3. DISCOM over-drawl > (40 MW)	10 Months Sent for PSDF approval. It was informed that tender for the work has been floated.	Logic 2 and 3 is AND or OR, in case it is AND then ADMS may not operated when discom are in schedule but GRIDCO is overdrawing due to less generation at state embedded generators
6.	Sikkim			Sikkim informed that they have submitted a proposal to PSDF Committee for installation of OPGW cables which is under approval stage. Sikkim added that ADMS scheme would be implemented after installation of OPGW.

In 42<sup>nd</sup> TCC, Bihar informed that the testing of ADMS would be done by end of December 2019.

Odisha informed that ADMS would be implemented by May 2020.

Sikkim informed that installation of OPGW is in progress, ADMS would be implemented after the installation of OPGW & renovation of sub-station tentatively by 2020.

TCC advised Odisha and Sikkim to implement ADMS at the earliest.

After detailed deliberation, TCC opined that uniform logic and settings are to be implemented for all the states. TCC advised to discuss the issue in next OCC Meeting to formulate uniform logic and setting of ADMS.

*In 165<sup>th</sup> OCC, Bihar informed that ADMS had been tested on 10<sup>th</sup> January 2020 but it was not successful.*

*ERLDC gave a presentation on the uniform logic. The proposed logic for ADMS operation is given below:*

*If frequency is less than 49.9 Hz for 3 minutes  
and  
Overdrawl/Under injection > 150 MW or 12 %*

*OCC advised all the states to go through the presentation and submit their comments to ERPC and ERLDC for finalization of ADMS logic.*

Members may update.

### **Deliberation in the meeting**

*After detailed deliberation, OCC agreed to the ERLDC proposed logic.*

OCC advised all the states to implement above logic in ADMS. It was also decided that the performance of the ADMS would be analyzed in monthly OCC Meetings if necessary, the logic would be reviewed.

#### **Item No. B.4: Implementation of SPS to avoid overdrawl from Jamshedpur (DVC) S/s**

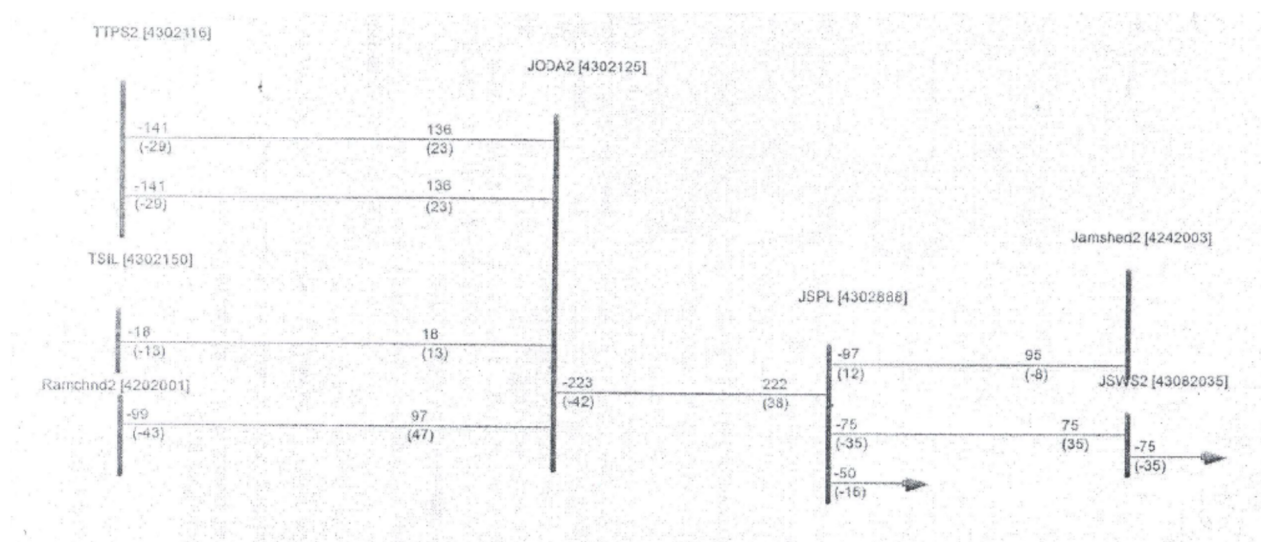
In 8<sup>th</sup> SSCM, OPTCL informed that they need power assistance of maximum 55 MW from 220kV Jamshedpur S/s, DVC to meet the load of JSPL during replacement work of the conductor of 220kV Joda-JSPL line.

DVC agreed to provide maximum 55 MW from 220kV Jamshedpur S/s during the conductor replacement work, however DVC requested to implement SPS to avoid over drawl from 220kV Jamshedpur S/s during any contingency in the system.

In 165<sup>th</sup> OCC, DVC requested to implement SPS to avoid over drawl from 220kV Jamshedpur S/s during any contingency in the system.

OCC advised OPTCL to give a requisition and other relevant details to DVC.

OCC decided to discuss the SPS in a separate meeting with all the concerned utilities.



Members may update.

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

OPTCL informed that they were yet to receive the details from JSW.

#### **Item No. B.5: Implementation of Automatic Generation Control in Eastern Region**

In compliance to CERC's direction in order dated 06/12/2017 in petition no 79/RC/2017, AGC was commissioned in NTPC Barh on 01<sup>st</sup> August 2019 and operationalized since 23<sup>rd</sup> August, 2019.

Vide order dated 28<sup>th</sup> August 2019, CERC in Petition No.: 319/RC/2018 directed that all the ISGS stations whose tariff is determined or adopted by CERC shall be AGC-enabled and the ancillary services including secondary control through AGC be implemented as per the following direction:

- I. All thermal ISGS stations with installed capacity of 200 MW and above and all hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC are directed to install equipment at the unit control rooms for transferring the



required data for AGC as per the requirement to be notified by NLDC. NLDC shall notify the said requirements within one month of this order.

- II. All such ISGS stations whose tariff is determined or adopted by CERC shall have communication from the nearest wide band node to the RTU in the unit control room.
- III. The Central Transmission Utility (CTU) is directed to have communication availability from NLDC/ RLDCs to the nearest wide band node/ switchyard for the generating stations in a redundant and alternate path ensuring route diversity and dual communication.
- IV. The NLDC is also directed to commission the required communication infrastructure.
- V. The expenditure as a result of compliance of the above directions may be claimed as per relevant regulations or provisions of the PPA.
- VI. The NLDC is directed to monitor implementation of the above directions so that all the ISGS stations whose tariff is determined or adopted by CERC are AGC-enabled within six months of this order.
- VII. The framework regarding compensation for AGC support and deviation charges as stipulated in the Commission's Order in Petition no. 79/RC/2017 dated 06.12.2017 shall apply to the five pilot projects as also to other ISGS as and when they are AGC enabled. This arrangement shall remain in place till the relevant regulations inter alia on compensation for AGC services are framed by the Commission.
- VIII. NLDC/RLDCs are allowed to operate the AGC system for enabling the signals to the power plants at the earliest.
- IX. All new thermal ISGS stations with installed capacity of 200 MW and above and hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC shall mandatorily have the capability to provide AGC support.

All concerned plants may please ensure taking necessary action for arranging the communication (through redundant and alternate paths) from the existing nearest wideband communication node to their unit control rooms through two fiber optic cables, in coordination with CTU. It may please be noted that all the ISGS stations whose tariff is determined by or adopted by CERC should be AGC-enabled before 28th February 2020, as per order of CERC.

#### **A. Status of implementation of AGC for ISGS stations**

The list of plants identified for AGC operation by NLDC in Eastern Region are as given below:

<b>S. No.</b>	<b>Power Plant</b>	<b>Thermal/Hydro</b>	<b>Cap (MW)</b>
1	Farakka STPS – I & II	Thermal	1600
2	Kahalgaon STPS – II	Thermal	1500
3	Barh STPS	Thermal	1320
4	Maithon Power Limited	Thermal	1050
5	Talcher STPS – I	Thermal	1000
6	Kahalgaon STPS – I	Thermal	840
7	Nabinagar Thermal Power Project	Thermal	750
8	NPGC	Thermal	
9	Darlipalli	Thermal	
10	Teesta – V	Hydro	510
11	Farakka STPS – III	Thermal	500
12	MTPS Stage - II	Thermal	390
13	Rangit	Hydro	60

In 161<sup>st</sup> OCC, all the ISGS stations were advised to implement the AGC within 6 months as per the above CERC order.

In 163<sup>rd</sup> OCC, NHPC and NTPC informed that they are in process of implementation of AGC at their stations in coordination with NLDC. The technical specifications have been prepared.

This issue was further deliberated in the 2<sup>nd</sup> TeST meeting held on 26.11.2019 at ERPC, Kolkata.

MS, ERPC raised concerns about the present reporting of AGC data signal from generating stations to NLDC and concerned RLDC is getting data through NLDC over ICCP protocol.

NLDC informed that, as a part of pilot project of AGC, all generating stations' AGC data would be directly reporting to NLDC for first 3 years and the same would be diverted to respective RLDCs after SCADA upgradation.

NTPC raised the concern about the bandwidth requirement, list of signals and cable requirement for implementation of AGC.

NLDC informed that all generating stations must make arrangement for extending the AGC data signals to the nearest POWERGRID node and POWERGRID shall make available two Ethernet ports (main & its redundant) so that AGC signal from generating stations should reach to NLDC.

NLDC further informed that requirement for AGC implementation like list of signals, bandwidth requirement, hardware, software & cable requirement etc. are made available at POSOCO website (<https://posoco.in/spinning-reserves/>).

ERLDC suggested that firewalls should be available at both end i.e. at Generator end as well as NLDC end. NLDC informed that they have a firewall at their end in their system.

All generating stations agreed to install adequate level of firewall at their end for extending the AGC signals.

ERLDC raised concern about AGC implementation of Nabinagar (BRBCL) as OPGW communication link from generating station to nearest POWERGRID S/S i.e. 400 kV Sasaram is not available.

ERPC advised NLDC to add NPGC, Nabinagar (2x660 MW) in AGC implementation list as this station is commissioned in November 2019. NLDC agreed for the same.

It was decided to take the above issue to the next TCC/ERPC meeting for further deliberation.

In 42<sup>nd</sup> TCC, NTPC and NHPC informed that they would place the order by March 2020 and implement the AGC by June 2020. MPL informed that AGC would be implemented by February 2020.

Powergrid informed that only single communication connectivity is available at MPL, Teesta V and Rangit. Other generating stations are having dual communication connectivity.

TCC advised all generating stations to make arrangement for extending the AGC data signals to the nearest POWERGRID node.

### **Deliberation in the meeting**

MPL informed that AGC would be implemented by 1<sup>st</sup> week of March 2020.

Member Secretary, ERPC advised MPL to give a brief presentation and share their experience on implementation of AGC at their plant in the TCC Meeting.

NTPC and NHPC informed that AGC would be implemented at their stations as per the given schedule.

## B. Status of implementation of AGC as a pilot project in states

In 162<sup>nd</sup> OCC, WBPDCCL submitted that Bakreswar TPP is planning to implement AGC but there is no clarity on the source from where to receive the AGC control signal (from SLDC/ERLDC). This aspect needed to be clarified first.

In the meeting, it was clarified that AGC signal for intra-state generating stations would be generated by the concerned SLDC and the relevant communication path is to be established between SLDC to plant. For ISGS stations, the AGC signal would be sent from NLDC.

OCC advised SLDC, WB to establish the required hardware for generating AGC signal at SLDC.

*In 163<sup>rd</sup> OCC, OPGC and SLDC, Odisha were advised to formulate the plan jointly for implementation of AGC. OCC advised them to submit the schedule of implementation of AGC to ERPC and ERLDC within a week.*

*All SLDCs and their respective state sector generators were advised to visit Barh STPS as well as to NLDC to have a first-hand knowledge on the implementation and functioning of AGC at control centre level as well as at generating station level.*

Summary of status of implementation:

State	Station/Unit	Action plan
DVC	Mejia unit#8	<ul style="list-style-type: none"><li>Finalization of technical specification, vendors and estimation: 30<sup>th</sup> November 2019</li><li>NIT 31<sup>st</sup> January 2020</li><li>Order placement 30<sup>th</sup> March 2020</li><li>Commissioning of AGC 31<sup>st</sup> July 2020</li></ul>
West Bengal	Unit-5 of Bakreswar TPP	SLDC, WB to establish the required hardware for generating AGC signal at SLDC.
Odisha	Unit#3 of OPGC	SLDC, Odisha and OPGC agreed to submit their plan by 1 <sup>st</sup> week of November 2019

*In 42<sup>nd</sup> TCC, DVC intimated that AGC shall be implemented in unit 7 and 8 of Mejia as per the given schedule by 31<sup>st</sup> July 2020.*

*Odisha informed that SLDC and OPGC will sit together and finalise the scheme.*

*WBPDCCL informed that they have already collected offer from Siemens for implementation of AGC and they are awaiting the concurrence from SLDC.*

*SLDC, WB informed that they are not in a position to implement AGC unless a clear direction is given by WBERC. Further, implementation of intra state DSM is a prerequisite for implementation of AGC in the state.*

*It was decided to request CERC to include this as an issue in the Agenda for discussion in the meeting of Forum of Regulators.*

Members may update.

### **Deliberation in the meeting**

*DVC informed that NIT had been floated for the AGC work.*

*Odisha informed that a joint meeting between SLDC, Odisha and OPGC was held wherein, it was decided to visit Barh, NTPC and NLDC to get acquainted with the AGC implementation and formulate a plan.*

## **Item No. B.6: Outage of important transmission lines**

### **1. 400 kV Kishenganj-Patna D/C lines:**

In 162<sup>nd</sup> OCC, Powergrid informed that one circuit of 400 kV Kishenganj-Patna D/C line would be restored through ERS by December 2019. Powergrid added that permanent restoration of both the circuits of 400 kV Kishenganj-Patna D/C lines would be completed by March 2020.

MS, ERPC submitted that Powergrid had repeatedly changed their schedule of restoration of the line. He advised Powergrid to give a report on restoration schedule committed till date in chronological order along with the reason for changing the scheduled dates.

He added that a Committee would visit the site once again in 2<sup>nd</sup> week of November 2019 to assess the situation.

In 163<sup>rd</sup> OCC, Powergrid informed that both circuits of 400 kV Kishenganj-Patna D/C line would be restored through ERS by December 2019. Powergrid added that permanent restoration of both the circuits of 400 kV Kishenganj-Patna D/C lines would be completed by March 2020.

Thereafter, Powergrid vide letter dated 3<sup>rd</sup> January 2020 informed that the temporary restoration of the line using ERS could not be completed due to pathetic condition of approach road, unprecedented cold weather condition and continued heavy water current in the Ganga river.

Powergrid added that restoration work is under progress on war footing basis and it is expected to be restored temporarily by 3<sup>rd</sup>/4<sup>th</sup> week of January 2020 however permanent restoration is expected to be completed by end of March 2020.

*In 24<sup>th</sup> January 2020 meeting held at Patna, Powergrid informed that both circuits of 400 kV Kishenganj-Patna D/C line was restored through ERS on 22<sup>nd</sup> January 2020.*

Powergrid may update.

### **Deliberation in the meeting**

*Powergrid informed that that permanent restoration of both the circuits of 400 kV Kishenganj-Patna D/C lines would be completed by April 2020.*

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

In 161<sup>st</sup> OCC, ERLDC informed that 400 KV Gorahkpur –Motihari(DMTCL) –D/C were out since 13/08/2019 on tower collapse at LOC 27/0 and 400 KV Barh–Motihari(DMTCL) –D/C were out since 04/09/2019 on tower collapse at LOC 26/0.

*In 163<sup>rd</sup> OCC, OCC advised Powergrid to make direct connectivity i.e. 400 kV Barh- Gorahkpur D/C line, till restoration of the LILO portion of Motihari.*

*Powergrid agreed to make direct connectivity with Twin Moose conductor but DMTCL has to do the necessary destringing of the conductor of the LILO section with the original line to enable PGCIL to establish the direct connectivity.*

*OCC advised DMTCL to complete the destringing work at the earliest so that Powergrid could start the bypass arrangement.*

*In 164<sup>th</sup> OCC, Member Secretary, ERPC informed that a separate meeting with the concerned utilities would be conducted at Patna, Bihar in January 2020.*

DMTCL vide mail dated 11th January 2020 informed that de-stringing of 400kV Barh-Gorakhpur ckt-1&2 of LILO section work completed. Detail report is enclosed at **Annexure-B6**.

Members may update.

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

*It was informed that one circuit of 400 KV Barh–Motihari(DMTCL) –D/C would be restored through ERS by end of February 2020.*

*ERLDC informed that shutdown requisition should be submitted by DMTCL in advance so that necessary approval from NR and NLDC can be taken in time.*

#### **Item No. B.7: Operationalizing Bus splitting at Biharsariff--ERLDC**

Bus split arrangement at Biharsariff 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 4<sup>th</sup> ICT at Biharsariff. After commissioning of 4<sup>th</sup> 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 4650 MW.
- If we consider summer peak case having 5300 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).

Members may discuss.

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

*ERLDC informed that no network constraint had been observed during the simulation study.*

*OCC advised Bihar to check the demand considered for the simulation study and send their comments to ERLDC within a week, if any.*

#### **Item No. B.8: FGD phasing plan for units commissioned after 31.03.2018--CEA**

CEA requested to provide the phasing plan for the new units to be commissioned. List of the units are enclosed at **Annexure-B8**.

Members may submit their plan of implementation.

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

*NTPC ER-I had updated latest status.*

*OCC advised all other generators to update the status through mail to ERPC by 24<sup>th</sup> February 2020.*

#### **Item No. B.9: Review of implementation of PSDF approved projects of Eastern Region.**

NLDC (POSOCO) being the Nodal Agency for PSDF schemes, is carrying out PSDF Secretariat function under directions of MoP. Recently NLDC is directed by MoP to disburse the

PSDF sanctioned funds as early as possible as its non-utilization is being viewed seriously by MoP on various fora.

In view of the above, status review of the projects being executed under PSDF funding in Eastern Region, is required to be carried out on regular basis for expediting the projects. A Detailed statement of the Eastern Region project entities approved in PSDF is enclosed as **Annexure-B9**.

All the constituents are requested to furnish/update the status of their respective project in every OCC and also requested to submit requisition for disbursement to NLDC at the earliest by 1st February 2020, so that amount may be released by 31<sup>st</sup> March 2020.

Members may update.

### **Deliberation in the meeting**

*Members updated the status as mentioned in **Annexure-B9**.*

*Member Secretary, ERPC informed that there is no progress in some projects which are already granted fund from PSDF. Such projects would be scraped and the fund would be diverted to other projects. Therefore, he advised all the state utilities to accelerate the work.*

### **Item No. B.10: WIDE DEVIATION OF REAL TIME GENERATION/SCHEDULE GENERATION(SG) OF TALA WITH RESPECT TO DECLARED CAPACITY--WBSEDCL**

Due to wide deviation between Declared capacity & real time generation of Tala HEP the day ahead & intraday planning of the beneficiaries are getting dislocated on regular basis specially during the evening peak period.

In practice distribution utilities like WBSEDCL tunes the day ahead LGBR by trading through Exchange platform, based on the day ahead availability received from different power stations under long/Medium term PPA within 12.00hrs of every day. But in real time it is observed that the Schedule Generation (SG) of Tala HEP differs widely w.r.t that of day ahead DC. So, for such unrealistic day ahead DC prediction from Bhutan side the beneficiaries are failing to plan their power purchase portfolio on economic principle & facing severe problem to take proper decision for load generation balancing under prevailing stringent DSM regime.

In 165<sup>th</sup> OCC, WBSEDCL explained that the Schedule Generation (SG) of Tala HEP differs widely w.r.t that of day ahead declared capacity. In few days the deviation in generation was in tune of 100 to 130 MW during the peak hours.

WBSEDCL informed that they are facing severe problem in balancing the load and generation due to the wide deviation in Tala HEP generation.

DGPC informed that they are giving the schedule to NLDC, Bhutan and they are generating as per the schedule declared.

OCC decided to communicate the issue to NLDC, Bhutan.

*Bhutan NLDC informed that they are consistently monitoring and comparing the schedule and actual injection in the Indian periphery. In the event of unexpected variation, this office is rescheduling the DC in advance in the WBES. Of late, this office had been receiving the mails from India on the deviation. However, it is observed at Bhutan end that there is not much deviation between the actual and the scheduled. The recent international coordination meeting held between Bhutan and India at Thimphu also acknowledged the improvement in scheduling.*

*Bhutan NLDC will continue to strictly monitor on real-time basis and revise as and when required (within the required time) so that the grid security is maintained.*

Members may discuss.

### **Deliberation in the meeting**

*After detailed deliberation, OCC referred the issue to 43<sup>rd</sup> TCC Meeting scheduled to be held on 20<sup>th</sup> March 2020.*

*OCC advised ERLDC to give brief presentation in the TCC Meeting on real time deviation of Tala HEP during last three months.*

### **Item No. B.11: Report of expert group to review India Electricity Grid Code(IEGC)--ERLDC**

The Commission vide office order dated 28.5.2019 constituted an Expert Group to review “Indian Electricity Grid Code and other related issues” under the Chairmanship of Shri Rakesh Nath, Ex-Chairperson, CEA & Ex-Member (Tech) of APTEL with Shri A.S.Bakshi, Ex-Chairperson, CEA & Ex-Member, CERC, Shri Ravinder, Ex-Chairperson, CEA & ExChief (Engg.), CERC as Members and Shri S.C.Shrivastava, Chief (Engg.), CERC as Member, Convenor. The group co-opted Shri S.R.Narasimhan, Director (S.O), POSOCO and Shri Hemant Jain, Chief Engineer (G.M), CEA as Members of the Expert Group.

The Expert Group has finalized its recommendation as per comments received from various stake holder and several expert group meetings in the form of draft Indian Electricity Grid Code (IEGC), 2020, which is published in CERC website at the following link  
<http://cercind.gov.in/2020/reports/Final%20Report%20dated%2014.1.2020.pdf>

In 165<sup>th</sup> OCC, members requested Member Secretary, ERPC to conduct a workshop on the draft Indian Electricity Grid Code (IEGC), 2020 for better understanding.

Member Secretary, ERPC agreed to conduct the workshop in February 2020.

*As per the OCC decision, the workshop was conducted at ERPC on 13<sup>th</sup> February, 2020 wherein Shri S. R. Narasimhan, Director (SO), POSOCO gave a detailed presentation.*

*In the workshop, it was informed that all states may submit their comments on the draft Indian Electricity Grid Code (IEGC), 2020 for further discussion.*

Members may discuss.

### **Deliberation in the meeting**

*OCC advised all the constituents to go through the draft Indian Electricity Grid Code (IEGC), 2020 and submit their comments to ERPC Secretariat by end of February 2020.*

### **Item No. B.12: Training on “Safe and Secure Power System Operation”**

As a part of Capacity Building initiative for the Power Sector engineers of the Eastern Region, a ‘5 days Training Programme’ on “Ensuring Safe and Secure Power System Operation” is being organized by ERPC in association with Asia Institute of Power Management (AIPM), a training arm of CESC Limited at Kolkata from 02.03.2020 to 06.03.2020 (5 days) under PSDF Project. This will be the 4th Training Module for the year 2019 – 20 and ERPC Secretariat had notified to all the Power Utilities of ER on 27.01.2020 seeking nomination for 1 to 2 engineers of each organisation since the batch size is limited to 35 nos. only. Except a few organisation of ER including Bhutan Authorities, the nominations from most of the organizations are still awaited.

The Constituents who are yet to nominate engineers (1 / 2 nos.) for the 4th Module of AIPM Training commencing from 02.03.2020 to 06.03.2020 may please send the nominations to ERPC Secretariat at msrpsc-power@nic.in positively by 21.02.2020.

Members may send the nomination for training.

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

*Members noted.*

#### **Item No. B.13: Updated Black Start and Restoration Procedure of Eastern Region – ERLDC**

In compliance with clause 5.8 (a) and (b) of the present IEGC, The Restoration Procedure has to be developed and updated annually by RLDC in consultation with NLDC, all users, STU,SLDC,CTU, RPC Secretariat of the region.

Draft copy of “Black Start and Restoration Procedure” was circulated on 16th Jan 2020 for review and feedback from stake holder. All stake holder are requested to give comments by 27th Jan 2020.

So that the procedure can be finalized by 30th Jan 2020.

In line with decision taken during 165th OCC meeting “Black Start and Restoration Procedure” of Eastern Region was finalized and circulated to all concerned on 31st Jan 2020.

Members may note.

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

*Members noted.*

#### **Item No. B.14: Ratification of projected Demand and generation for POC transmission charges and loss calculations for Q1(2020-21) --ERLDC**

The projected Demand and Generation of ER constituents to be considered in the base case for POC transmission charge and loss calculations for Q1 (April 20-June 20) are attached at **Annexure-B14** for ratification by the constituents

A two days training program on Demand and RE Forecasting & Renewable Integration will be organized at ERLDC on 02<sup>nd</sup> and 03<sup>rd</sup> March 2020. SLDCs are requested to nominate one or two executives for this training program.

Members may confirm. Members may send the nomination for training.

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

*ERLDC informed that validation Committee meeting is scheduled to held on 24<sup>th</sup> February 2020 at 15:00 hrs. ERLDC requested all the concerned utilities to attend the meeting.*

*OCC advised all the SLDCs to nominate the executives for the training on “Demand and RE Forecasting & Renewable Integration” scheduled to be held on 2<sup>nd</sup> and 3<sup>rd</sup> March 2020.*

#### **Item No. B.15: Replacement DCD for Malbase Substation--Bhutan**

DCD (data downloading device) used to download the energy meter data from SEM energy meter of 400kV Siliguri and 220kV Binaguri feeder has gone faulty because of which Malbase substation is not able to send the meter data to the concerned authority since 06.01.2020.



Members may discuss.

### **Deliberation in the meeting**

*Powergrid informed that no spare DCDs are available.*

*After detailed discussion, it was decided that some DCDs are to be procured and kept as spares.*

*OCC advised Powergrid to prepare an estimate and send the details to ERPC Secretariat.*

### **Item No. B.16: Additional agenda**

#### **1. Shutdown of 220 kV Bus at 400/220/132kV Rangpo Substation-- Madhya Bharat Power Corporation Limited**

Madhya Bharat Power Corporation Limited informed that they need shutdown of both 220kV Bus at 400/220/132kV Rangpo Substation for completing the testing and commissioning activities of their 220kV bays.

### **Deliberation in the meeting**

*ERLDC informed that, the generation of Tashiding and Jorethang HEP would be affected during both 220kV Bus shutdown.*

*Representatives from Tashiding and Jorethang HEP were not available in the meeting.*

*After deliberation, OCC approved the single bus shutdown of 220kV Bus at 400/220/132kV Rangpo Substation from 25<sup>th</sup> February 2020 to 4<sup>th</sup> March 2020 as per shutdown request placed by Madhya Bharat Power Corporation Limited.*

*For the both bus shutdown, OCC decided to discuss the issue in a separate meeting with Madhya Bharat Power Corporation Limited, Shiga Energy, Powergrid ER-II, and ERLDC. The meeting would be held at 15:00 hrs on 26<sup>th</sup> February 2020 (tentatively).*

#### **2. Auxiliary Power consumption by Powergrid-- GRIDCO**

GRIDCO informed that in 163<sup>rd</sup> OCC Meeting, OCC advised Powergrid to file a petition before OERC for exemption of Security Deposit, Maximum charges, Meter rent etc.

GRIDCO added that Powergrid not yet approached OERC.

### **Deliberation in the meeting**

*Powergrid informed that they are in process of filing the petition before OERC. The petition would be filed by end of February 2020.*

#### **3. Shutdown of 400kV Nabinagar-Sasaram D/C line and 400kV Sasaram-Daltonganj D/C line -- Powergrid**

Powergrid vide letter dated 18<sup>th</sup> February requested for the shutdown of 400kV Nabinagar-Sasaram D/C line and 400kV Sasaram-Daltonganj D/C line. Letter is enclosed at **Annexure-B16.3**.

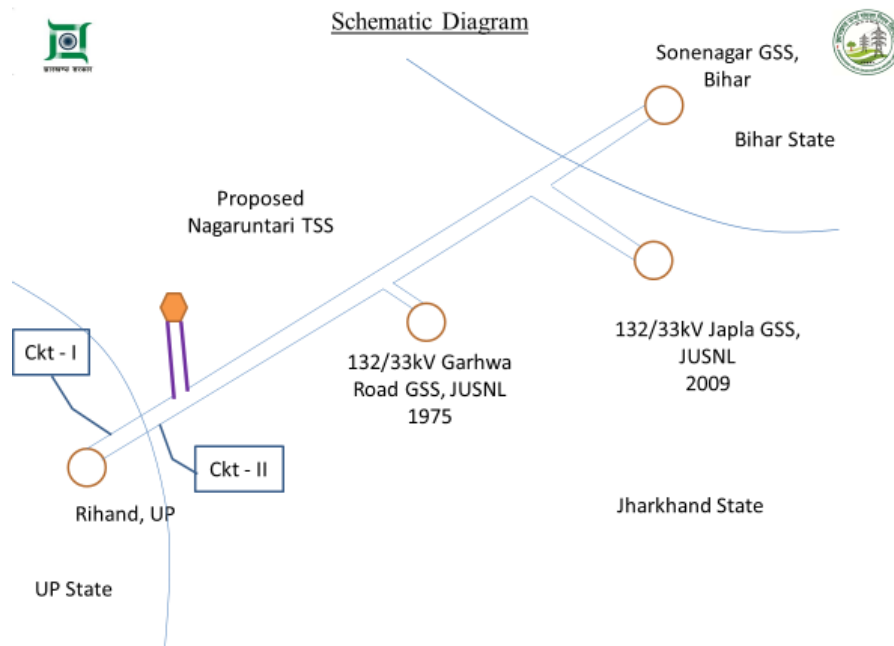
### **Deliberation in the meeting**

*ERLDC informed that generation of BRBCL would be effected during the shutdown of 400kV Nabinagar-Sasaram D/C line.*

*After deliberation, OCC decided that the issue would be discussed in a separate meeting with the concerned utilities.*

#### **4. LILO of 132kV Rihand-Sonenagar line at Nagaruntari -- JUSNL**

JUSNL informed that in 101<sup>st</sup> OCC Meeting the LILO of 132kV Rihand-Sonenagar line at Nagarkuntari was discussed and OCC advised to place the proposal in Standing Committee Meeting. The consent letter was given to railway from UPPTCL for no objection on construction of LILO on 132 KV Rihand-Sonenagar-1 Line. But the proposal was not placed in Standing Committee Meeting.



Railway informed that the LILO work has been completed and Nagaruntari S/s is ready for charging. Charging of this substation is very much urgent to meet the traction load. But NLDC is asking for Standing Committee approval for charging the Substation.

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

*It was informed that since 132kV Rihand-Sonenagar line-I is an inter-regional line, Standing Committee approval is required.*

*OCC advised JUSNL and Railway to approach PPSP division, CEA for necessary approval.*

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

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

UFR Healthiness Certification for the month of January 2020 has been received from OPTCL, CESC, WBSETCL, DVC, BSPTCL and JUSNL.

Members may note.

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

*Members noted.*

In 161<sup>st</sup> OCC, Bihar was advised to review the UFR feeders as per the revised system configuration and suggested to shift the UFRs to unimportant radial loads.

In 42<sup>nd</sup> TCC, BSPTCL informed that they had already replaced the defective UFR. BSPTCL added that they are in process of reviewing the UFR list.

Bihar may update.

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

*BSPTCL informed that they are in process of reviewing the UFR list.*

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

At present, the following islanding schemes are in service:

1. CESC as a whole Islanding Scheme, CESC
2. BkTPS Islanding Scheme, WBPDC
3. Tata Power Islanding Scheme, Haldia
4. Chandrapura TPS Islanding Scheme, DVC
5. Farakka Islanding Scheme, NTPC
6. Bandel Islanding Scheme, WBPDC

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.

The healthiness certificate for Islanding Scheme for January, 2020 has been received from CTPS, NTPC, West Bengal, JUSNL, WBPDC and CESC.

*In 163<sup>rd</sup> OCC, DVC informed that since all units of CTPS-A would be retired shortly, instead of Chandrapura TPS islanding scheme, they are planning to implement an islanding scheme with units 5 & 6 of Mejia TPS (old).*

*OCC advised DVC to submit the detailed draft plan of the islanding scheme to ERPC and ERLDC.*

DVC may update.

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

*DVC informed that they are planning to implement the islanding scheme with CTPS unit 7 & 8.*

*OCC advised DVC to submit the draft plan to ERPC and ERLDC.*

## **A. Status of Islanding Scheme of IBTPS**

Islanding scheme of IBTPS was discussed and finalized in earlier OCC and PCC meeting, OPGC ensured that the islanding scheme will be in place within 6 months post finalization of scheme.

OPGC may update.

### **Deliberation in the meeting**

*OPGC informed that the islanding scheme would be implemented by August 2020.*

## **B. Status of Islanding Scheme of KBUNL**

BSPTCL and KBUNL may update.

### **Deliberation in the meeting**

*KBUNL representative was not available in the meeting.*

## **Item no. C.3: Healthiness of SPS existing in Eastern Region**

The Status of healthiness certificate for January, 2020 is given below:

<b>Sl. No.</b>	<b>Name of the SPS</b>	<b>Healthiness certificate received from</b>	<b>Healthiness certificate not received from</b>
1.	Talcher HVDC	NTPC, GMR,	JITPL, Powergrid,
2.	SPS in CESC system	CESC	Nil

Members may update.

### **Deliberation in the meeting**

*Powergrid informed that they had submitted the healthiness certificate.*

*ED, ERLDC informed that SPS at Talcher to backing down the generation at JITPL, GMR and Talcher NTPC in case of HVDC tripping, may not be required with the present network condition. He suggested to review the SPS.*

*OCC suggested ERLDC to carry out a preliminary study and place the results in next OCC Meeting.*

## **Item no. C.4: Review of the PSS Tuning of Generators in Eastern Region --ERLDC**

Power System Stabilizer (PSS) tuning is an ongoing exercise in Eastern regional grid after observation of various low frequency oscillation from time to time in the grid. In line with this, OCC has decided that all generating plants in eastern region will submit their PSS tuning plan to ERLDC/ERPC and the test reports for validation. During last 4 years, 39 Units PSS have been tuned whose details are given at **Annexure-C4.1**. While the units where PSS have not been tuned in last three are given in **Annexure-C4.2**. It has been observed that utility such as OPGC, OHPC, WBSEDCL, NTPC, GMR and few others have yet not submitted their plan for PSS tuning to ERLDC/ERPC.

In view of the above, all generating utilities who have not yet submitted their PSS tuning plan are advised to submit the same to ERLDC/ERPC in compliance to CERC and CEA regulation on Power System stabilizer and associated tuning for reliability and security of the Grid.

Following PSS tuning is done in the month of January 2020:

SI No	Plant	Unit(s)	Date(s)
1	HEL	1-2	3 <sup>rd</sup> Jan-2020
2	Mejia, DVC	5,6,7,8	22-23 Jan 2020
3	CTPS, DVC	7-8	24-25 Jan 2020

Members may update.

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

*OCC advised all the generating utilities to go through the Annexures and submit the plan for PSS tuning to ERPC and ERLDC.*

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

**Latest status of State ATC/TTC declared by states for the month of May-2020**

SI No	State/Utility	TTC import(MW)		RM(MW)		ATC Import(MW)		Remark
		Import	Export	Import	Export	Import	Export	
1	BSPTCL	5300	--	100	--	5200	--	Jan-20
2	JUSNL	1172	--	31	--	1141	--	Apr-20
3	DVC	1553	2799	65	51	1488	2748	May-20
4	OPTCL	3382	1386	84	61	3298	1325	May-20
5	WBSETCL	4010	--	400	--	3610	--	Feb-20
6	Sikkim	295	--	2.5	--	292.5	--	Dec-19

Members may update.

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

*OCC advised Bihar, West Bengal and Sikkim to compute ATC and TTC up to May 2020 and submit the details to ERLDC at the earliest.*

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

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

SI no	Name of Hydro Station	Schedule	Tentative Date	Schedule	Tentative Date
		Test-I		Test-II	
1	U.Kolab	Last week of May, 2019	Done on 19 <sup>th</sup> July 2019	Last Week of January 2020	January 2020
2	Maithon	1 <sup>st</sup> week of June 2019	Taken up only after replacing the governing systems of the units	1st Week of February 2020	After June 2020
3	Rengali	2 <sup>nd</sup> week of June 2019	Done on 27 <sup>th</sup> June 2019	Last week of November 2020	Done on 17 <sup>th</sup> January 2020
4	U. Indarvati	3 <sup>rd</sup> week of June 2019	Done on 7 <sup>th</sup> November 2019	2nd week of February 2020	
5	Subarnarekha	1 <sup>st</sup> week of October 2019	Done 20 <sup>th</sup> August 2019	1st week of January 2020	March 2020

6	Balimela	3 <sup>rd</sup> week of October 2019	Done on 17 <sup>th</sup> July 2019	1st week of March 2020	Done on 12 <sup>th</sup> Feb 2020
7	Teesta-V	2 <sup>nd</sup> week of May 2019	Done on 28 <sup>th</sup> Nov 2019	Last week of February 2020	
8	Chuzachen	Last Week of Dec 2019	Done on 5 <sup>th</sup> December 2019	Last week of March 2020	
9	Burla	Last Week of June 2019	Done on 20 <sup>th</sup> July 2019	Last week of February 2020	Done on 11 <sup>th</sup> Feb 2020
10	TLDP-III	1st Week of June 2019	November-19	2nd Week of January 2020	
11	TLDP-IV	Last Week of June 2019	December-19	1st Week of February 2020	
12	Teesta-III	Last Week of Oct 2019		First Week of March 2020	
13	Jorthang	First Week of May 2019		First Week of Feb 2020	
14	Tasheding	2nd Week of May 2019		2nd Week of Feb 2020	
15	Dikchu	Sep 2019		3rd Week of Feb 2020	Attempted on 19 <sup>th</sup> Feb 2020 but not successful

Members may update.

### **Deliberation in the meeting**

*Members updated the status as mentioned in above table.*

### **Item no. C.7: Summary of Status Update on Previous agenda items in OCC**

OCC	Agenda	Decision	Status Update
155	<b>C.22: Collection of modeling data from Renewable as well as conventional energy generators: ERLDC</b>	OCC advised all the constituents to submit the details of renewable power plants of 5 MW and above.	157 <sup>th</sup> OCC advised all the SLDCs to submit the details to ERPC and ERLDC. Format along with an explanation for collection of Wind and Solar Data has been shared by ERLDC to all SLDC.  <i>OCC advised Bihar, West Bengal and Orissa to submit the relevant details to ERLDC.</i>
156	<b>Low frequency Oscillation at MTDC BNC-ALP-Agra</b>	OCC Advised ERTS-2 to submit the analysis report to ERLDC/ERPC	159 <sup>th</sup> OCC Powergrid informed that the issue was referred to ABB, Sweden.  <i>The report is yet to be received from ABB.</i>

156	<b>Item No. B.12: Status of Auto-Reclosure on Lines from Tala and Chukha Hydro Power Plant (Bhutan)</b>	<p>DGPC informed that an Expert Committee was constituted to enable the autorecloser for transmission lines connected to Tala and Chuka hydro stations. The Committee had recommended for implementation of the autorecloser at Tala and Chuka.</p> <p>DGPC added that they are planning to implement the autorecloser scheme for the transmission lines connected at Chuka by May 2019. Based on the experience gained, they would implement the autorecloser scheme for the transmission lines connected at Tala.</p>	<p>In 159<sup>th</sup> OCC meeting DGPC informed that they are implementing autorecloser at Tala also. The A/R is implemented at Binaguri end and there have been various cases where successful A/R has occurred at Binaguri but due to no A/R attempt Tala has a blackout in June 2019. In addition, in month of Aug also many times 400 kV lines successfully reclosed from Binaguri end.</p> <p>The experience on 220 kV Chukha-Birpara in the form of successful A/R has been observed on 25<sup>th</sup> June 2019.</p> <p>DGPC has informed that after the deliberation in their group, they would be implementing the A/R at Tala by the end on August 2019.</p> <p><i>DGPC informed that by Feb 2020 end, they will implement the A/R at Tala.</i></p>
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*In 164<sup>th</sup> OCC, DGPC informed that they are still analyzing the performance of autorecloser at Chuka end.*

*OCC advised Bhutan representatives to submit the relevant details (DR and relay settings) of autorecloser at Chuka end to ERLDC. The issue would be placed in next PCC Meeting for fruitful discussion.*

Members may update.

### **Deliberation in the meeting**

*Members updated the status as mentioned in above table.*

**Item no. C.8: Transmission Constraint in the 220 kV System in Eastern Region—ERLDC**

Constituents	Constraint list	Issues based on ATC/TTC case submission by States	Action Plan by Utilities/ SLDC
West Bengal, DVC	220 kV Waria-Bidhan Nagar D/C	N-1 Contingency	3 <sup>rd</sup> ICT of 315 MVA at Bidhannagar planned by WBSETCL
CESC, PGCIL	220 kV Shubhasgram-EMSS D/C	N-1 Contingency	
WBSETCL, PGCIL	220 kV Newtown-Rajarhat D/C	N-1 Contingency	<i>Power flow in 220 kV Newtown-Rajarhat D/C would be reduced after commissioning of 400kV Rajarhat S/s and 765 kV network.</i>
WBSETCL	220 kV Howrah-New-Chanditala D/C	N-1 Contingency	<i>Power flow in 220 kV Howrah-New-Chanditala D/C line is high due low generation availability at KTPP.</i>
DVC, PGCIL	220 kV Durgapur (PG)-Parulia D/C	N-1 Contingency	LILO of 220 KV DTPS-Parulia at DSTPS(Andal) with 400/220 KV ICTs at DSTPS
Jharkhand, PGCIL	220 kV Hatia-Ranchi D/C	N-1 Contingency	3 <sup>rd</sup> ckt of 220 kV Hatia-Ranchi commissioned
Bihar	220 kV Mujaffarpur-Hazipur D/C	N-1 Contingency	A New 400/220/132 kV sub-station at Chhapra(2x500+2x200 MVA) has been proposed to meet the nearby growing power demand. The 220 kV connectivity of the proposed GSS as follow:- <ul style="list-style-type: none"> <li>• Chapra(new)-Amnour DCDS</li> <li>• Chhapra(new)-Goplaganj DCDS</li> </ul>
Bihar	220 kV Hazipur-Amnour D/C	N-1 Contingency	
Bihar, PGCIL	220 kV Patna-Sipara T/C	N-1 Contingency	Two nos. of 400/220/132 kvJakkanpur GSS and Naubarpur GSS are proposed in nearby area which is already approved in



			13 <sup>th</sup> Plan
Bihar, PGCIL	220 kV Khagaul-Sipara S/C	Overload of 220 kV Khagaul-Sipara	Already resolved by addition of 02 more lines i.e. 220 kV Khagaul-Patna(PG) D/C (Ckt 2 & 3)
Bihar	220 kV Bodhgaya-Gaya D/C	N-1 Contingency	A new 400/220/132 kV sub-station at Chandauti has been proposed with connectivity at 220 kV by LILO of both circuits of Gaya(PG)-Sonenagar(new)

JUSNL and CESC may update.

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

*CESSC informed that they had implemented a load shedding scheme to limit the loading on healthy line of 220 kV Subhasgram-EMSS D/C in case of any contingency.*

#### **Item no. C.9: Submission of Renewable Generation data on daily basis West Bengal--ERLDC**

West Bengal has total renewable installed capacity of 178.5 MW (65 MW solar, 95.5 MW small hydro, 16 MW biomass and 2 MW wind). Presently WBSETCL sends the renewable energy generation data in mu on monthly basis at around 20th of every month to MIS department. As per the monthly energy file of October-2019, total renewable generation was 28.559 MU, which comes to daily generation of around 0.9 MU. On November-2019 & December-2019 the daily generation figure is around 0.5 MU and 0.3 MU respectively. As this generation data is being sent as a consolidated monthly figure only, almost 20 days after end of each month, this significant quantum of daily generation is not being reflected in the daily PSP report prepared by ERLDC and sent to MOP, CEA and other higher authorities.

In view of this, in order to make the daily PSP report complete, WBSETCL is being advised to send daily MU figure of renewable generation plant-wise or total wind/solar by the end of each night-shift or by the next day.

SLDC, WBSETCL may deliberate

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

*Representative from SLDC, WBSETCL was not available in the meeting.*

#### **Item no. C.10: Monitoring of Next Six-Month New Element Integration in OCC and Its Update on Monthly Basis --ERLDC**

It has been observed that many elements are getting interconnected into the system and beforehand details are not available with the system operator resulting in difficulty in carrying out operational planning activity. In view of this, as a regular agenda all ISTS and ISGS/IPP to update the OCC regarding any new elements at 220 kV and above which will be integrated in next six months with the grid. For State Grid, SLDC will be submitting the details on behalf of its intrastate Generation and transmission system. The format is given below:

Transmission Elements	Agency/ Owner	Scheme (ERSS/ TBCB/ Standing Committee/State	Schedule Completion	Projected Month for Completion	Issue Being Faced

In previous several OCC, Transmission licensees and SLDCs are requested to submit RLDC/RPC following details on monthly basis

- List of transmission element /generators of State and ISTS licensees synchronised in the last month.
- List of transmission element /generators expected to be synchronised during next month or in near future

Some SLDCs are submitting the list of intrastate and interstate line on regular basis, however transmission element /generators expected to be synchronised during next month or in near future is not submitted by any SLSC/Transmission licensee to RLDC/RPC.

*In 162<sup>nd</sup> OCC, OCC advised all the constituents, SLDCs and ISTS licensees to submit the details the list of transmission elements / generators already synchronized / charged in the previous month as well as those expected to be commissioned in the near future (as per the format specified) to ERLDC*

*In 163<sup>rd</sup> OCC, OCC advised all the constituents, SLDCs and ISTS licensees to submit the details to [erldcprotection@posoco.co.in](mailto:erldcprotection@posoco.co.in) as per the format.*

List of upcoming Transmission Element is received from Bihar and Jharkhand.

DVC, OPTCL , WBSETCL and Sikkim may update.

### **Deliberation in the meeting**

*ERLDC informed that relevant details had been received from Powergrid ER-II.*

*OCC advised other concerned transmission licensees to submit the details to ERLDC at the earliest.*

### **Item no. C.11: Reconductoring work of 400 kV Rangpo-Binaguri D/C lines**

In 162<sup>nd</sup> OCC, Powergrid informed that SPS at Rangpo is ready and it can be put in service as and when required.

Powergrid explained that reconductoring work of both 400 kV Rangpo-Binaguri D/C lines would take 1 year time approximately and they are ready to take shutdown of both the circuits from 01.11.2019.

ED, ERLDC advised Powergrid to complete the reconductoring work of one circuit by end of February 2019. He added that after February 2019, shutdown of both lines is not possible in view of the likelihood of rise in hydro generation in Sikkim.

MS, ERPC submitted that there is a need for reviewing the progress of the work by field visit. In this regard a Committee shall be formed comprising the members from ERPC Secretariat, ERLDC, WBSETCL, PGCIL, TVTPL etc. The Committee will visit the site and check the preparedness of the work. Also, periodic inspection will be done to assess the progress of the work.

In 42<sup>nd</sup> TCC, Powergrid updated that reconductoring of 11 km of both the circuits out of 110 km line had been completed (9.3 km in West Bengal and 1.7 km in Sikkim).

Powergrid further informed that they are facing severe ROW issues in Sikkim and requested Power and Energy Department, Govt. of Sikkim to support in resolving the ROW issues.

Powergrid added that they are putting all the efforts to complete the reconductoring work of both 400 kV Rangpo-Binaguri D/C lines by April 2020.

TCC advised Powergrid to complete the work as per the schedule so that evacuation of hydro power from Sikkim would not get affected in the coming monsoon season.

TCC requested Sikkim to help Powergrid in resolving the ROW issues for smooth completion of the reconductoring work.

ERPC Secretariat informed that a Committee with members from ERPC Secretariat, WBSETCL, PGCIL, TVPTL has been formed to monitor the progress of the work and the Committee would visit the site in every two months.

PGCIL was requested to furnish the status of progress to ERPC Secretariat every month for discussion in the OCC meeting.

In 165<sup>th</sup> OCC, Powergrid updated that reconductoring of 14 km of both the circuits out of 110 km line had been completed.

Powergrid added that 70% of the line is in hilly area and reconductoring of the hilly area would be completed by April 2020. Rest of the reconductoring work would be carried out by taking single circuit shutdown.

Powergrid may update.

### **Deliberation in the meeting**

*Powergrid updated that reconductoring of 19 km of both the circuits out of 110 km line had been completed.*

### **Item no. C.12: Submission of Thermal Loading of Transmission line and associated terminal equipment by ISTS licensee**

Thermal Loading of Transmission line and associated terminal equipment is one of the most vital data which is utilized for Operation Purpose, calculation of ATC/TTC and various other studies. This information has to be submitted by the transmission utilities. However even after regular follow-up in past several OCC meetings, significant delay has been observed in submission. Status of submission of data upto first week of December 2019 is as follows:

<b>Name of Utility</b>	<b>Whether End Equipment Rating Submitted or Not?</b>
PGCIL ERTS-1 and ERTS-2	Partial Details (Final Complete details yet to be received)
DMTCL	NA
POWERLINKS	NA
Sterlite (ENICL, OGPTL, PKTCL)	NA
TVPTL	NA
Alipurduar Transmission Limited	NA
Powerlink	NA
CBPTCL	NA
OPTCL	Submitted (Revised list given to OPTCL for submission)
WBSETCL	Submitted
BSPTCL	Submitted

DVC	Submitted
JUSNL	NA

Members may update.

### **Deliberation in the meeting**

*ERLDC informed that relevant details had been received from Powergrid ER-II.*

*OCC advised other concerned transmission licensees to submit the details to ERLDC at the earliest.*

### **Item no. C.13: Conversion of Line Reactor as Bus reactor with NGR bypass Scheme -ERLDC**

A mail was circulated by ERLDC for collecting the switchability information of the Line reactors and the availability of the required NGR bypass arrangement for converting the line reactor to Bus reactor. So far following response received from the corresponding owner:

1. 400 kV Kishanganj-Darbhanga D/C at Darbhanga end (owned by ATL) – Switchable but no NGR by pass arrangement.
2. 400 kV Barh-Motihari D/C at Barh end (Owned by Barh) – Switchable but no NGR by pass arrangement.

All the other utilities are requested to submit the details at the earliest so that RLDC can do operational planning for better reactive power management.

Also, Barh and ATL are request to do necessary by pass arrangement of NGR as early as possible so that during winter season these resources could be used for maintaining better voltage profile in the grid.

In 163<sup>rd</sup> OCC, OCC advised all the utilities to submit the details to ERLDC and ERPC at the earliest (not later than 30/11/2019) so that ERLDC can do operational planning for better reactive power management.

OCC advised Barh and ATL to do the necessary by pass arrangement of NGR at the earliest.

In 164<sup>th</sup> OCC, NTPC requested to provide the scheme for NGR bypass arrangement.

OCC advised NTPC to interact with Powergrid for the scheme and advised submit the plan for implementation of NGR bypass arrangement at Barh STPS, NTPC.

List of Line reactors which cannot be converted into Bus reactor is circulated in the meeting.

*OCC advised all the constituents to go through the list and implement the necessary bypass arrangement.*

Members may update.

### **Deliberation in the meeting**

*Powergrid informed that bypass arrangement is available at their substations.*

## **PART D:: OPERATIONAL PLANNING**

### **Item no. D.1: Anticipated power supply position during March 20**

The abstract of peak demand (MW) vis-à-vis availability and energy requirement vis-à-vis availability (MU) for the month of March 20 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 at **Annexure-D.1**.

Members may confirm.

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

*Modified anticipated power supply position for the month of March 2020 after incorporating constituents' observations is given at **Annexure-D.1**.*

### **Item no. D.2: Shutdown proposal of transmission lines and generating units for the month of March 20**

Generator shutdown for March 20:

System	Station	Unit	Capacity (MW)	Period		No. of Days	Reason
				From	To		
NTPC	Barh STPS	5	660	21.03.20	04.04.20	11	Short Shutdown

#### **1. Total shutdown of 1020 MW Tala Hydropower Plant**

Tala had been facing problem of concrete mass falling off the water conducting system since 2018. The Management had proposed for the inspection and hence, the Plant will be under total shutdown for 04 days (four), tentatively from **02-March-2020** to **05-March-2020**. On daily returnable basis from 07.00hrs to 20.00hrs BST

Indian counterparts may have maintenance on the international lines emanating from Tala to India, if required so that multiple shutdowns are avoided.

#### **2. Total Shutdown of 336 MW Chhukha Power Plant.**

Management has proposed for ROV inspection of water conducting system of CHP. Therefore the total shutdown of CHP units required for the inspection on daily returnable basis from **11 March-2020 to 18 March-2020 from 07.00hrs to 18.00hrs**. During the shutdown period opportunity may be taken to carry out maintenance of lines at the Indian portion too.

ERLDC may place the list transmission line shutdown discussed on 17<sup>th</sup> February 2020 through VC.

Members may confirm.

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

*Farakka requested for shutdown of unit 2 from 1<sup>st</sup> week of March 2020 for 45 days to carry out overhauling of the machine.*

*WBSEDCL informed that the demand would increase from April 2020 and they did not agree to extend the shutdown till 2<sup>nd</sup> week of April 2020. WBSEDCL suggested to avail the shutdown from last week of February 2020 till last week of March 2020.*

After detail deliberation, OCC advised NTPC to discuss the shutdown issue with higher management of their beneficiaries for approval.

OCC advised Bhutan to avoid net import from India during the shutdown period of Tala and Chuka plants. OCC suggested to make short term arrangement in case of any requirement of power from India.

## **1. OPGW Installation in Teesta III-Kishanganj link--Powergrid**

Powergrid is implementing OPGW on Teesta III-Kishangan line under Fiber Optic Expansion Package (Additional Requirement). Following issues are faced during execution of the work:

### **A. OPGW erection in section having aviation globules**

During erection of opgw, it is found that aviation globules are present in drum no. 41 (Loc. No 266 to Loc. No 270). For opgw erection, following options are proposed:

#### **OPTION-1:**

##### **OPGW in existing 400KV Teestalll-Kishanganj ine for drum-41**

Taking out of aviation globules	Shutdown required on 400KV Teestalll-Kishanganj TL for 2 days (06.02.20 & 07.02.20 ODB from 08:00 hrs to 17:00 hrs)
Installation of OPGW	A/R in non-auto mode for 5 days in 400KV Teestalll-Kishanganj TL (08.02.20 to 12.02.20)
Putting the aviation globules in 400KV Rangpo-Kishanganj TL (earthwire)	Shutdown required 400KV Rangpo-Kishanganj TL for 2 days (13.02.20 to 14.02.20)

#### **OPTION-2:**

##### **OPGW in existing 400KV Rangpo-Kishanganjline for drum-41**

Installation of OPGW	A/R in non-auto mode for 7 days in 400KV Rangpo-Kishanganj TL (06.02.20 to 12.02.20). During this period, A/R in non-auto mode will not be availed for 400KV Teesta III-Kishanganj TL.
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TPTL may kindly confirm implementation of the work. Approval of the Shutdown/AutoReclose in non-auto mode is also requested to be arranged by ERLDC.

Members may discuss.

### **Deliberation in the meeting**

*OCC in principle agreed to option 2.*

*TPTL informed that they need shutdown of 400KV Rangpo-Kishanganj line and 400KV Teesta III-Kishanganj for cutting the trees to improve the clearance.*

*OCC advised TPTL to submit the shutdown proposal ERLDC and ERLDC would approve the shutdown accordingly.*

The approved list of shutdown of transmission elements is enclosed at **Annexure-D2**.

**Item no. D.3: Prolonged outage of Power System elements in Eastern Region as on 07-02-2020**

**(i) Thermal Generating units:**

S.No	Station	Owner	Unit No	Capacity	Reason(s)	Outage Date
1	BARH	NTPC	4	660	MAINTENANCE/ ANNUAL OVERHAULING	26-Nov-19
2	TALCHER	NTPC	1	500	MAINTENANCE/ ANNUAL OVERHAULING	16-Jan-20
3	Rangit	NHPC	2	20	MAINTENANCE/ Annual Maintenance	8-Jan-20
4	Teesta-V	NHPC	2	170	MAINTENANCE/ Annual Maintenance	28-01-2020
5	CHUZACHEN	GATI	1	55	MAINTENANCE/ ANNUAL OVERHAULING	4-Feb-20
6	CHUZACHEN	GATI	2	55	MAINTENANCE/ ANNUAL OVERHAULING	4-Feb-20
7	KOLAGHAT	WBPDC	1	210	MAINTENANCE/ POLLUTION CONTROL PROBLEM	10-May-18
8	CHANDRAPURA TPS	DVC	3	130	MAINTENANCE/ TURBINE BLADE DAMAGE	30-Jul-17
9	SAGARDIGHI	WBPDC	3	500	MAINTENANCE/ ANNUAL OVERHAULING	19-Jan-20
10	FARAKKA	NTPC	3	200	SUPER HEATER SPRAY LINE LEAKAGE	23-Dec-19
11	MTPS ST-2	NTPC	2	195	CONDENSER PROBLEM	1-Feb-20
12	KOLAGHAT	WBPDC	3	210	Bottom ash evacuation problem	24-Nov-19
13	KOLAGHAT	WBPDC	4	210	HIGH DRAFT PRESSURE	17-Nov-19
14	KOLAGHAT	WBPDC	2	210	ESP MAINTENANCE	26-Dec-18
15	KOLAGHAT	WBPDC	6	210	RSD/LOW SYSTEM DEMAND	16-Jan-20
16	BANDEL	WBPDC	5	210	RSD/LOW SYSTEM DEMAND	5-Feb-20
17	SAGARDIGHI	WBPDC	1	300	POOR COAL STOCK	6-Feb-20
18	BOKARO B	DVC	3	210	PROBLEM IN ASH POND	12-Sep-19
19	RAGHUNATHPUR TPS	DVC	1	600	PROBLEM IN GOVERNOR SYSTEM	7-Jan-20
20	MEJIA	DVC	2	210	RSD/LOW SYSTEM DEMAND	5-Jan-20
21	MEJIA	DVC	4	210	RSD/LOW SYSTEM DEMAND	13-Jan-20
22	MTPS ST-1	BSPHCL	2	110	RSD/LOW SYSTEM DEMAND	19-Oct-19

23	DPL	WBPDC	7	300	ASH HANDLING PROBLEM	4-Feb-20
24	TENUGHAT	JUVNL	2	210	Due to S/D of 220KV Tenughat-Patratuckt	6-Feb-20
	Sub Total			5895		

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

**(ii) Hydro Generating units:**

Sl. No.	Station		Unit No.	Capacity	Reason (s) of outage	Outage date
1	BURLA	OHPC	1	49.5	MAINTENANCE/R & M WORK	14.03.2018
		OHPC	5	37.5	MAINTENANCE/R & M WORK	25.10.2016
		OHPC	6	37.5	MAINTENANCE/R & M WORK	16.10.2015
		OHPC	7	37.5	MAINTENANCE/ANNUAL MAINTENANCE	06.12.2019
2	BALIMELA	OHPC	1	60	MAINTENANCE/R & M WORK	05.08.2016
		OHPC	2	60	MAINTENANCE/R & M WORK	20.11.2017
3	CHIMPLIMA	OHPC	3	24	MAINTENANCE/R & M WORK	15.10.2015
		OHPC	1	24	MAINTENANCE/ANNUAL MAINTENANCE	08.01.2020
4	INDRAVATI	OHPC	2	150	MAINTENANCE/ANNUAL MAINTENANCE	11.01.2020
5	U.KOLAB	OHPC	3	80	Guide bearing temperature high	7-Jan-20

It is seen that about 560 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.

**(iii) Transmission elements**

SL NO	Transmission Element / ICT	Agency	Outage From	Reasons for Outage
			DATE	
1	220 KV BALIMELA - U' SILERU	OPTCL / APSEB	10-03-2018	LINE ANTITHEFT CHARGED FROM UPPER SILERU ON 17-04-18
2	400 KV IBEUL JHARSUGUDA D/C	IBEUL	29-04-2018	TOWER COLLAPSE AT LOC 44,45
3	220 KV PANDIABILI - SAMANGARA D/C	OPTCL	03-05-2019	49 NOS OF TOWER COLLAPSED.AS REPORTED BY SLDC OPTCL, 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	400/132 KV, ICT II (200 MVA) AT KAHALGAON	NTPC	02-08-2019	Y PHASE BUSHING BURSTED
5	132 KV KhSTPP-KAHALGAON(BSPTCL)	BSPHCL	23-09-2019	TO RESTRICT LOADING ON 400/132 KV KAHALGAON(NTPC) ICT 1 /LOAD OF KAHALGAON



				SHIFTED TO NEW SABOUR(GORADIH).
6	400 KV MOTIHARI(DMTCL)-GORAKHPUR-I	POWERGRID/DMTCL	13-08-2019	<p>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.</p> <p>400KV BARH -GORAKHPUR 2 CHARGED AT 10:06 HRS ON 31.01.20 AS INTERIM ARRANGEMENT BYPASSING LILO PORTION OF MOTIHARI.</p> <p>400KV BARH -GORAKHPUR 1 CHARGED AT 18:57 HRS ON 05.02.20 AS INTERIM ARRANGEMENT BYPASSING LILO PORTION OF MOTIHARI.</p>
7	400 KV MOTIHARI(DMTCL)-GORAKHPUR-II	POWERGRID/DMTCL	13-08-2019	
8	400 KV BARH-MOTIHARI(DMTCL) -I	POWERGRID/DMTCL	04-09-2019	<p>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.</p> <p>400KV BARH -GORAKHPUR 1 CHARGED AT 18:57 HRS ON 05.02.20 AS INTERIM ARRANGEMENT BYPASSING LILO PORTION OF MOTIHARI.</p>
9	400 KV BARH-MOTIHARI(DMTCL) -II	POWERGRID/DMTCL	04-09-2019	
10	765KV-ANGUL-JHARSUGUDA-IV	POWERGRID/DMTCL	05-02-2020	OPENED ON OVER VOLTAGE AT JHARSUGUDA
11	220KV BEGUSARAI-NEW PURNEA-I	BSPTCL	13-10-2019	<p>B-N, 5.98kA, 12.6km at NEW PURNEA;Since line was tripping frequently in the past and hence will not be charged till:</p> <p>1)sag/clearance issue is resolved 2)Healthiness certificate from independent third party obtained 3)ensure auto reclosure healthiness.</p>
12	220KV BEGUSARAI-NEW PURNEA-II	BSPTCL	14-10-2019	<p>R-N, 1.93kA, 85.6km A/R successful at NEW PURNEA.Since line was tripping frequently in the past and hence will not be charged till:</p> <p>1)sag/clearance issue is resolved 2)Healthiness certificate from independent third party obtained 3)ensure auto reclosure healthiness.</p>
13	400 KV BINAGURI-RANGPO-1	POWERGRID	01-11-2019	S/D AVAILED FOR RECONDUCTORING WORK TILL 31/01/2020
14	400 KV BINAGURI-RANGPO-2	POWERGRID	01-11-2019	S/D AVAILED FOR RECONDUCTORING WORK TILL 31/01/2020
15	400 KV ALIPURDUAR-JIGMELLING I	POWERGRID/BHUTAN	05-12-2019	Initially Antitheft charged from Alipurduar end at 19:59 hrs on 05.12.19 and later on at 22:48 hrs kept open on H/V.

16	400KV-ALIPURDUAR (PG)-BINAGURI-4	POWERGRID	30-01-2020	OPENED ON OVER VOLTAGE AT BINAGURI
17	400KV MAIN BUS - 1 AT SUBHASGRAM(PG)	POWERGRID	03-01-2020	CONSTRUCTION WORK BY MCNALLY BHARAT UNDER ERSS-XVIII PROJECT/PLANNED S/D UPTO 17.2.20
18	220KV-BUDHIPADAR-RAIGARH-1	OPTCL/CHATTISGARH	01-01-2020	LINE DIVERSION FOR CONSTRUCTION OF OPGC, MGR LINE
19	220KV-BUDHIPADAR-KORBA-2	OPTCL/CHATTISGARH	01-01-2020	LINE DIVERSION FOR CONSTRUCTION OF OPGC, MGR LINE

(Reported as per Clause 5.2(e) of IEGC)

\*\* Transmission licensees whose line were out due to tower collapse/ bend, may please update the detail restoration plan and as on date work progress status in OCC.

Also Monthly progress report to be submitted to ERLDC/ERPC till restoration of the element.

Members may update.

### **Deliberation in the meeting**

*DVC informed that Raghunathpur unit 1 is available from 11<sup>th</sup> January 2020.*

*WBPDCCL informed that Kolaghat unit 2, 3 & 6 and Bandel unit 5 are available but kept out of service because of low demand. Kolaghat unit 4 is not available for carrying out overhauling of the unit.*

## **PART E::ITEMS FOR INFORMATION**

The following agenda items are placed for information and necessary compliance:

### **Item No. E.1: Submission of data in MERIT Order portal--CEA**

CEA vide mail dated 9<sup>th</sup> July 2019 informed that the MERIT Order portal had been launched on 23rd June, 2017 by Honourable Minister of Power. One of the most important advantages of "Merit" Portal is Transparent information dissemination pertaining to marginal variable cost and source wise purchase of electricity and indication of supply side reliability, adequacy, and cost of power procurement.

However, it has been observed that many of the states are not filling the data regularly and sometimes the data filled varies widely from the data available on the respective RLDCs daily reports.

It is requested that the states may be advised to fill the data regularly and check that correct data is filled on the MERIT Portal.

*In 159<sup>th</sup> OCC, all the SLDCs were advised to fill the correct data in MERIT portal on regular basis.*

### **Item No. E.2: Status of 1<sup>st</sup> Third Party Protection Audit:**

The compliance status of 1<sup>st</sup> Third Party Protection Audit observations is as follows:

Name of Constituents	Total Observations	Complied	% of Compliance
Powergrid	54	46	85.19
NTPC	16	14	87.50
NHPC	1	1	100.00
DVC	40	26	65.00
WB	68	49	72.06
Odisha	59	42	71.19
JUSNL	34	25	73.53
BSPTCL	16	5	31.25
IPP (GMR, Sterlite and MPL)	5	5	100.00

*\* Pending observations of Powergrid are related to PLCC problems at other end.*

The substation wise status of compliance are available at ERPC website (Observations include PLCC rectification/activation which needs a comprehensive plan).

In 118<sup>th</sup> OCC, all the constituents were advised to comply the pending observations at the earliest. All the STUs informed that most of the observations are related to funding from PSDF. DPRs have been submitted to PSDF committee.

### **Item No. E.3: Commissioning of new transmission elements in Eastern Region**

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

Monthly commissioning List of Transmission element and generators: January 2020					
SL NO	Element Name	Owner	Charging Date	Charging Time	Remarks
1	125 MVAR Bus Reactor @ Subhashgram	PGCIL	11-01-2020	13:45	407/402 KV

2	400kv Alipurduar - Binaguri ckt-3	ATL	16-01-2020	14:19	
3	400kV Alipurduar - Binaguri ckt-4	ATL	16-01-2020	22:19	422/423kV
4	500MVA, 400/220kV ICT#2 at Pusauli	PGCIL	16-01-2020	23:01	
5	315MVA, 400/220kV ICT III at Mendhasal	OPTCL	24-01-2020	13:37	
6	80MVAR L/R of 400kV Patna - Barh ckt#1 at Patna S/S	PGCIL	28-01-2020	16:53	80MVAR B/R reconfigured as Line Reactor

#### **Item No. E.4: UFR operation during the month of January'20**

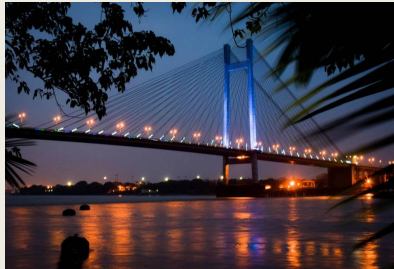
System frequency touched a maximum of 50.27 Hz at 17:03hrs of 01/01/2020 and a minimum of 49.69 Hz at 14:27 hrs of 06/01/2020 & 22:09 hrs of 26/01/2020. Hence, no report of operation of UFR has been received from any of the constituents.

\*\*\*\*\*

# Power System Operation Corporation Ltd.



## 166<sup>th</sup> OCC Meeting



At ERPC, Kolkata

20<sup>th</sup> February, 2020

## ER Grid Performances

ERLDC POSOCO

## Highlights for the month of January-2020

### Frequency Profile

Average Freq:- 50.00 Hz  
Avg FVI:- - 0.038  
Lowest FVI:- 0.028

Max- 50.27 Hz on 01<sup>st</sup> January'20

Min- 49.69 Hz on 06<sup>th</sup> and 26<sup>th</sup> January'20

75.02% of the time freq was with in IEGC Band

### Peak Demand\*

ER: 19311 MW on 28<sup>th</sup> January 2020 at 18:56 hrs

% Growth in Average Demand  
Met w.r.t. last year: 0.02%

BSPHCL : 4662 MW ; ON 21/01/20

JUVNL: 1408 MW; ON 09/01/20

DVC: 3328 MW; ON 17/01/20

GRIDCO: 5127 MW; ON 23/01/20

WB: 6717 MW; ON 21/01/20

SIKKIM: 193 MW; ON 24/01/20

### Energy met

Max. 384.6 MU on 28<sup>th</sup> Jan 2020

%Growth w.r.t. last year on Max energy : (-)1.89%

Avg. 368 MU in January 2020

%Growth w.r.t. last year on Avg. energy : (-)0.3%

### New Unit

NIL

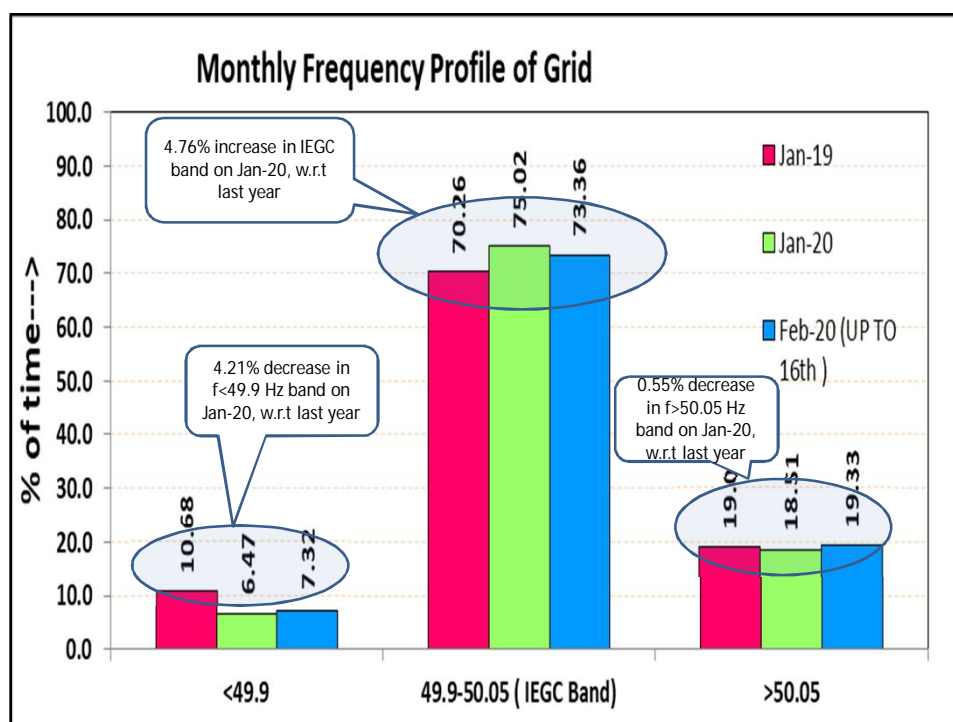
### Open Access

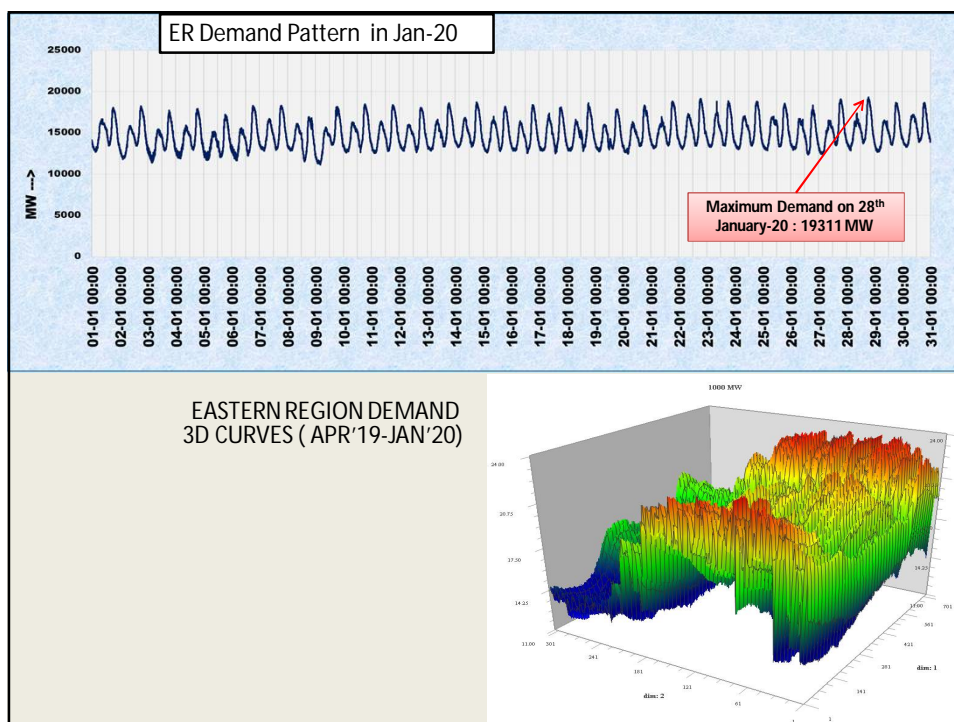
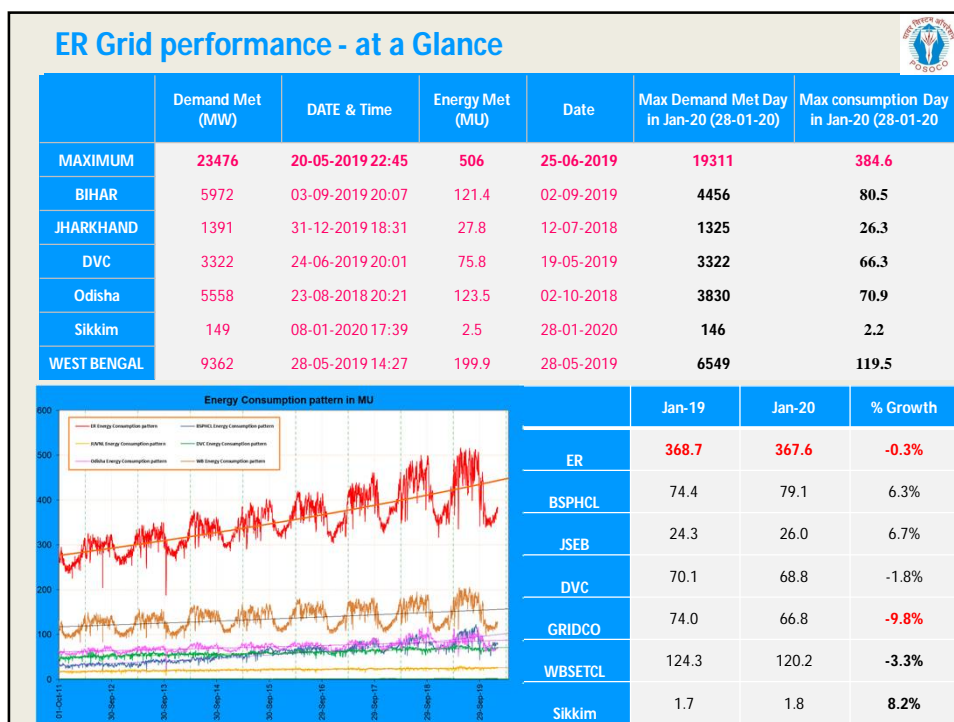
STOA transactions approved -151 nos.

Energy Approved- 619.12 MUs

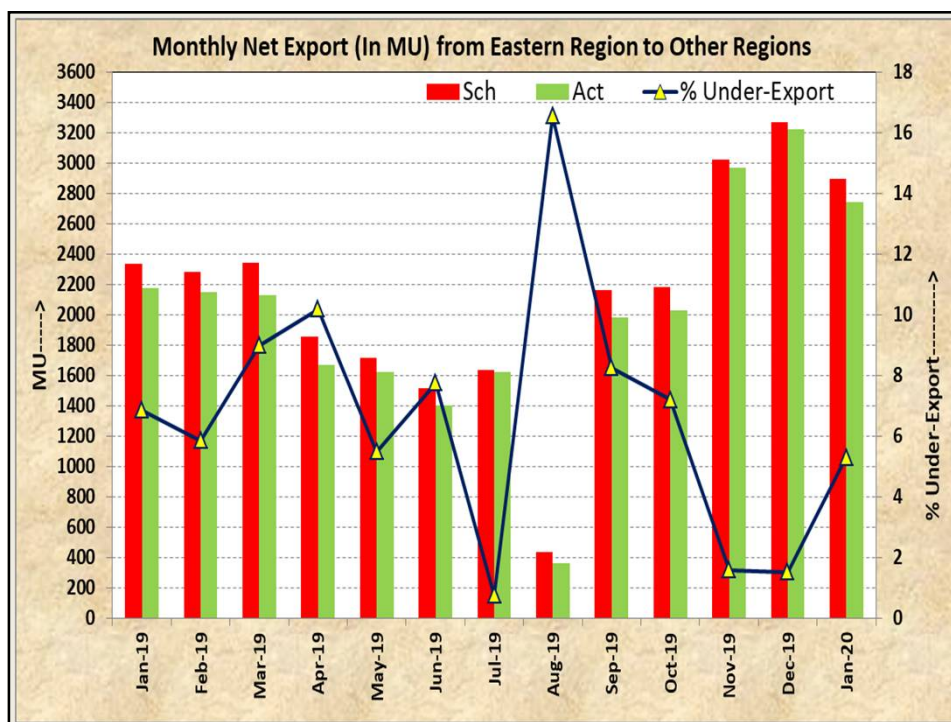
### New Element addition during the month:

Monthly commissioning List of Transmission element and generators: January 2020					
SL NO	Element Name	Owner	Charging Date	Charging Time	Remarks
1	125 MVAR Bus Reactor at Subhashgram	PGCIL	11-01-2020	13:45	407/402 KV
2	400kv Alipurduar - Binaguri ckt-3	ATL	16-01-2020	14:19	
3	400kv Alipurduar - Binaguri ckt-4	ATL	16-01-2020	22:19	422/423kv
4	500MVA, 400/220kV ICT - II at Pusauli	PGCIL	16-01-2020	23:01	
5	315MVA, 400/220kV ICT - III at Mendhasal	OPTCL	24-01-2020	13:37	
6	80MVAR Line Reactor of 400kv Patna - Barh ckt-1 at Patna Sub Station	PGCIL	28-01-2020	16:53	80MVAR Bus Reactor reconfigured as Line Reactor



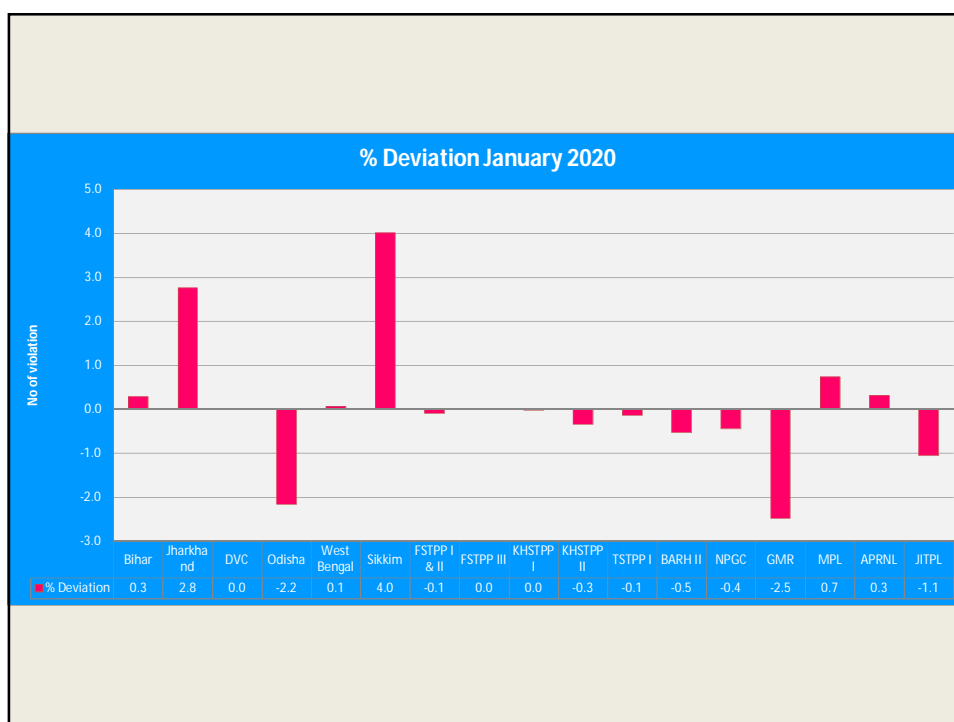


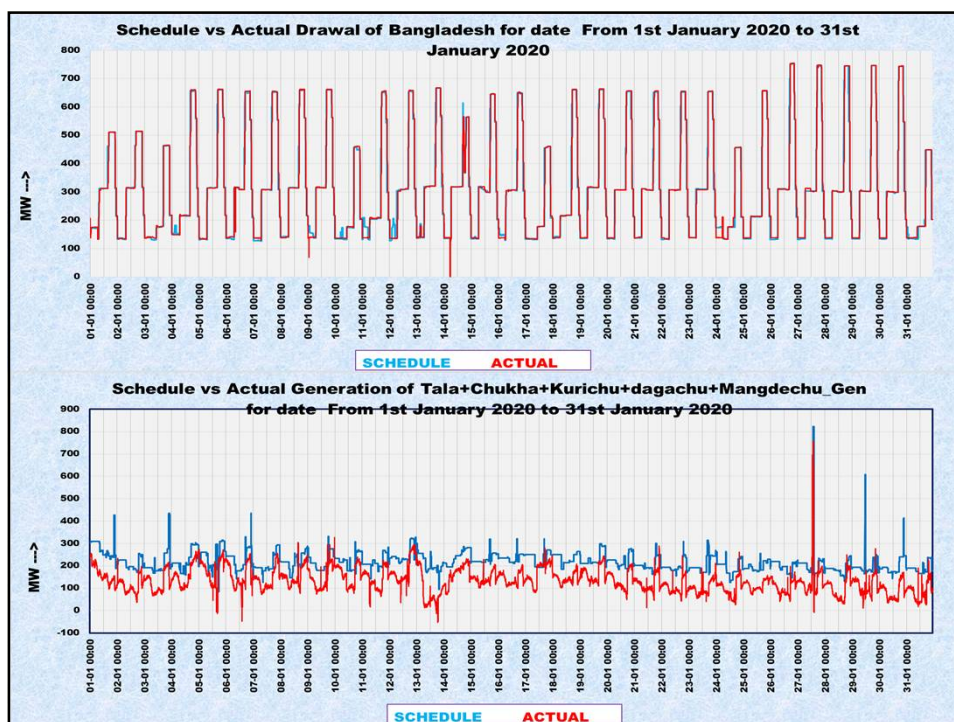
## Over Drawl / Under Injection by ER Entities Non-compliance of direction issued by SLDC



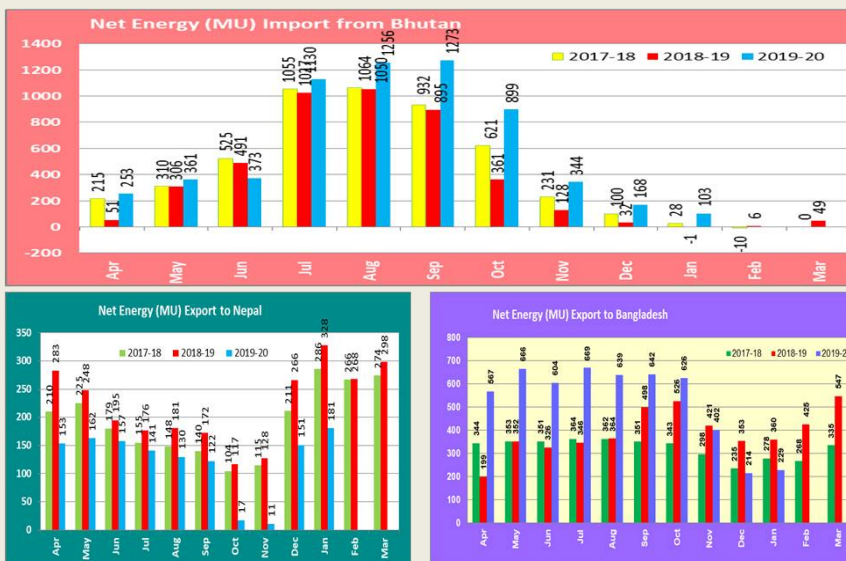


January 2020 Schedule vs Actual Status					
	Schedule (MU)	Actual (MU)	OD (MU)	Daily Avg OD (MU)	% Deviation
Bihar	2397	2404	7	0.2	0.3
Jharkhand	525	539	14	0.5	2.8
DVC	-1037	-1037	0	0.0	0.0
Odisha	157	153	-3	-0.1	-2.2
West Bengal	758	759	0	0.0	0.1
Sikkim	53	56	2	0.1	4.0
FSTPP I & II	786	786	-1	0.0	-0.1
FSTPP III	266	266	0	0.0	0.0
KHSTPP I	484	484	0	0.0	0.0
KHSTPP II	794	791	-3	-0.1	-0.3
TSTPP I	428	428	-1	0.0	-0.1
BARH II	358	356	-2	-0.1	-0.5
NPGC	383	381	-2	-0.1	-0.4
GMR	313	305	-8	-0.3	-2.5
MPL	589	593	4	0.1	0.7
APRNL	268	269	1	0.0	0.3
JITPL	473	468	-5	-0.2	-1.1



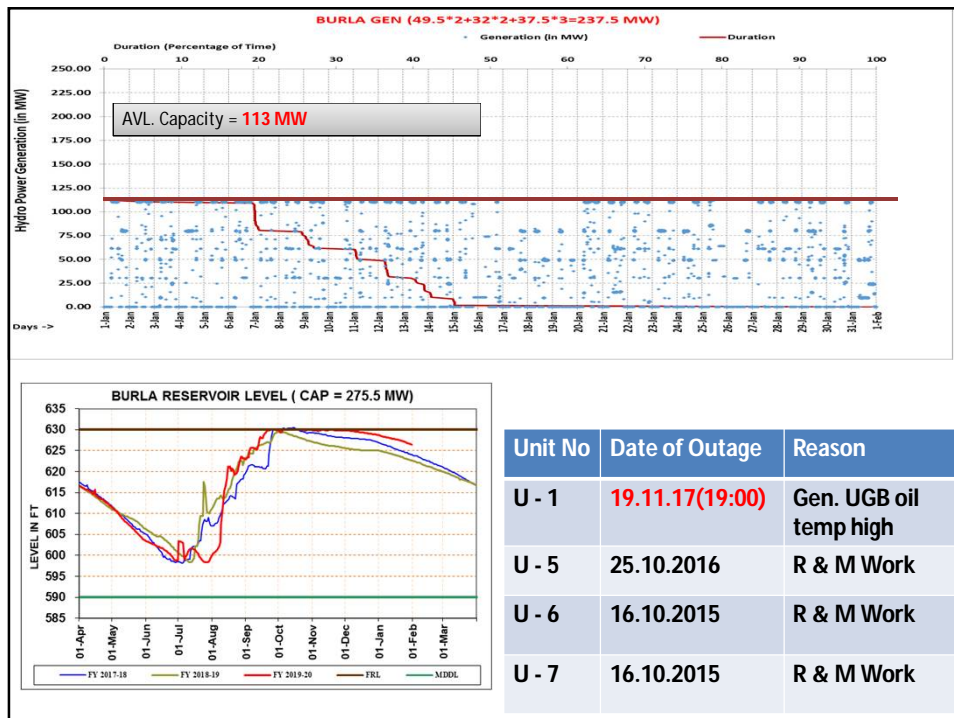


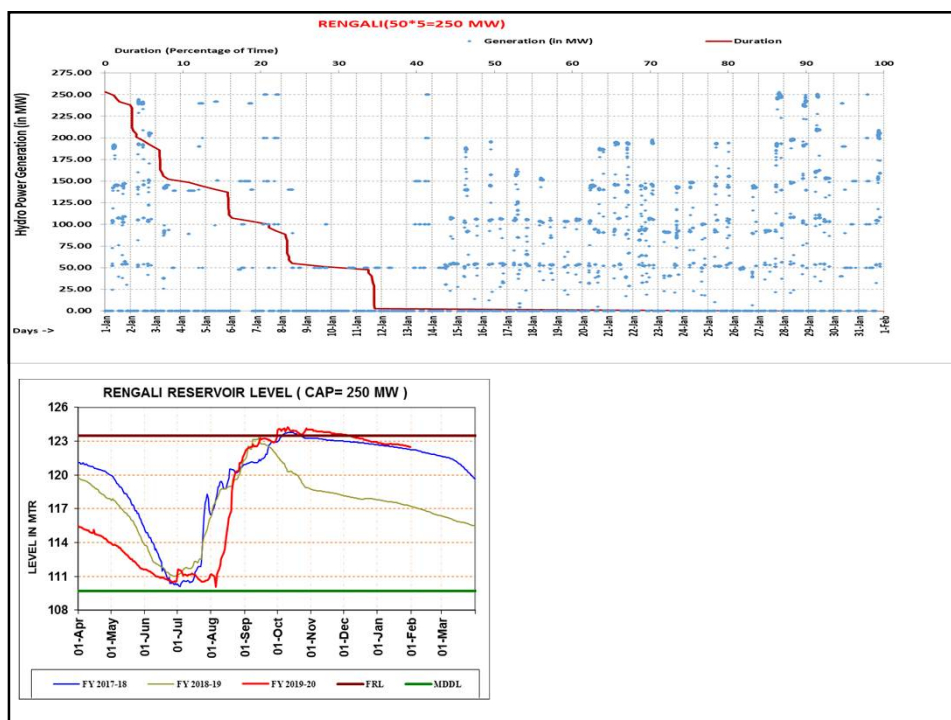
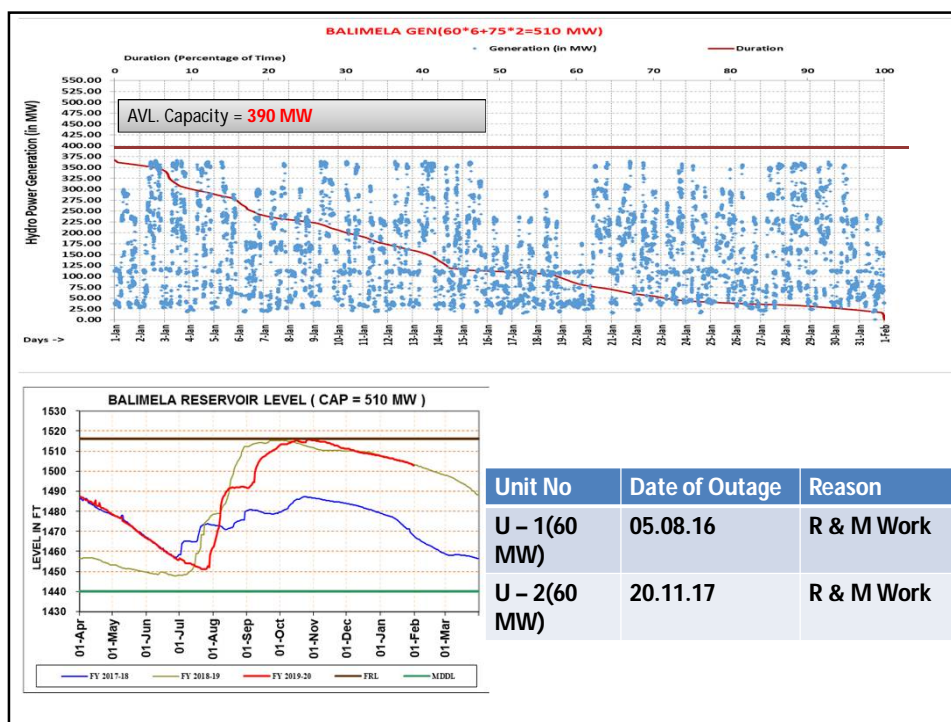
## Inter-regional & Transnational exchange



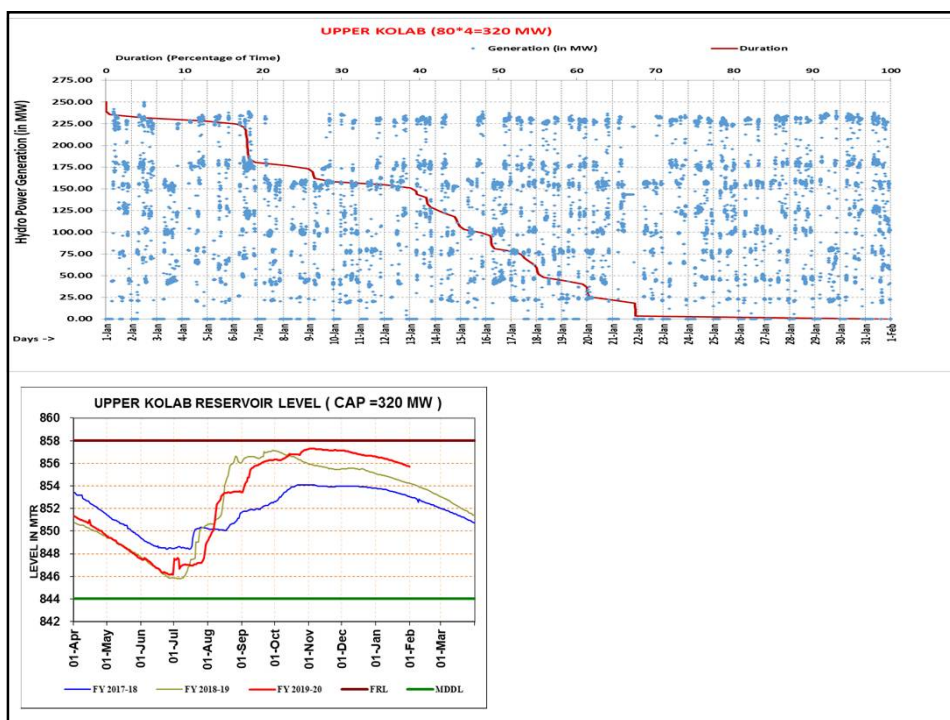
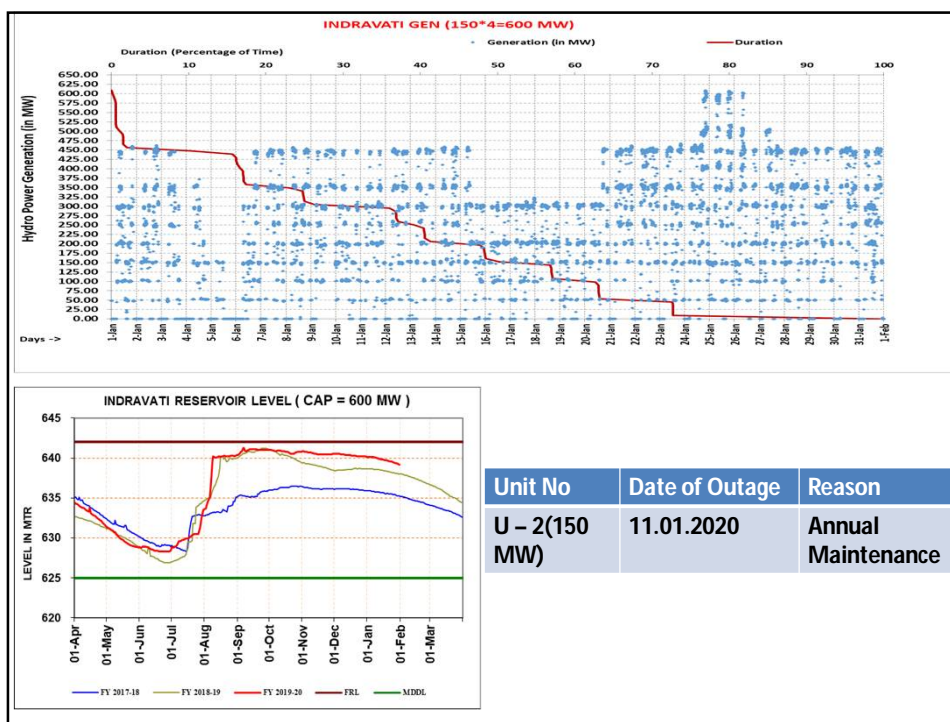
Eastern Regional Load Despatch Centre

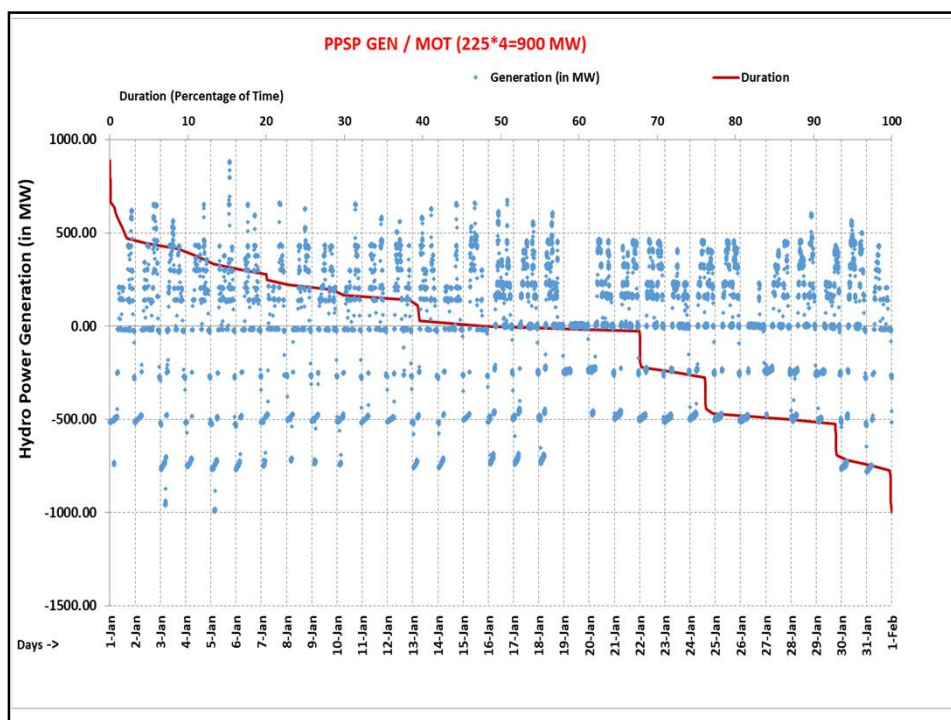
# State Hydro Generators Performance











### Elements long outages leading to transmission constraint

- **400KV main bay of Indravati(GR)-Indravati (PG)** out of service since last 2 years for breaker problem at Indravati(PG). Line was charged through main bay of 125 MVASR B/R breaker on Bus – II. Breaker to be replaced by OPTCL. Timeline of restoration is uncertain – may be updated by OPTCL? - **Readiness has been given by POWERGRID,- Inspection is pending.**
- **400 Kv Purnea – Biharsariff D/C** were out since 10/08/18 on tower collapse at 47/0. ENICL submitted annexure B2 (protection settings confirmation) & B5 (undertaking about clearance from several statutory body) on 21<sup>st</sup> December 2019. Protection settings confirmation from Powergrid is pending). **Restored on 29-12-2019.**
- **400 kV Patna – Kisanganj I&II** were out since 01/09/18 & 06/07/19 respectively on tower collapse. Restored on single moose 22/01/2020.
- **400 KV Gorakhpur –Motihari (DMTCL) – Barh D/C** were out since 13/08/2019 and 04/09/19 on tower collapse. 400 kV Barh – Gorakhpur – I & II made direct (bypassing DMTCL S/S) on 05-02-2020 (ckt-I) and 21-01-2020 (ckt - II) respectively.
- **400 kV Rangpo – Binaguri D/C** shutdown is approved from 01-11-2019 to 31-01-2020. Powergrid may update status of recent work progress status.



# ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିମିଟେଡ.

ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

CIN: U40102OR2004SGC007553

OFFICE OF THE CHIEF GENERAL MANAGER (O&M)

JANPATH, BHUBANESWAR- 751022, Tel : 0674-2542479, Fax : 0674-2542542932

TW-GM(O&M)-CGM(O)-4/2014(Vol-I)/ 236

Dated: 11-02-2020

To,

The Member Secretary,  
Eastern Region Power Committee,  
14, Golf Course Road, Tollygunj,  
Kolkata-700033.

Sub: Furnishing Revised Automatic Under Frequency Load Shedding (AUFLS) scheme under OPTCL.

Sir,

With reference to above, the revised Automatic Under Frequency Load Shedding (AUFLS) scheme under OPTCL are annexed herewith for favour of your kind information.

Encl: As above

Yours faithfully,

Chief General Manager (O&M)

CC:

Chief Load Despatcher, SLDC, Odisha



Feeder wise Automatic under frequency load shedding of OPTCL

State / Utility	Stage / Frequency	Name of Circle	Name of Division	Name of E&MR Division	Name of Grid / Sub-Station	Name of Feeder	Load in MW	DATE OF LAST TESTING
OPTCL	Stage-I	Bolangir	Kesinga	Bolangir New	Kesinga	33kV Naria Feeder	11.0	31.01.20
	49.4 Hz	Bolangir	Kesinga	Bolangir New	Junagarh	33kV Charbahalpur Feeder	10.0	31.01.20
		Berhampur	Bhanjanagar	Berhampur	Bhanjanagar	33kV KB Pur Feeder	7.0	22.01.20
		Berhampur	Berhampur	Berhampur	Aska	33kV Buguda Feeder	11.0	21.01.20
		Berhampur	Berhampur	Berhampur	Berhampur	33kV Chikiti Feeder	11.0	21.01.20
		Berhampur	Chhatrapur	Berhampur	Balugan	33kV Khalikote Feeder	16.0	27.01.20
		Bhubaneswar	Khurda	Bhubaneswar	Khurda	33kV Banki Feeder	13.0	23.01.20
		Bhubaneswar	Khurda	Bhubaneswar	Nayagarh	33kV Khandapada Feeder	8.5	27.01.20
		Cuttack	Cuttack	Cuttack	Jagatsinghpur	33kV Balikuda Feeder	11.0	04.02.20
		Chainpal	Chainpal	Meramundali	Boinda	33kV Jarpada Feeder	12.0	03.02.20
		Jaipur Rd(Balasore)	Bhadrak	Jaipur Rd(Balasore)	Bhadrak	33kV Dhammagar Feeder	16.0	03.02.20
		Jaipur Rd(Balasore)	Balangir	Jaipur Rd(Balasore)	Balangir (Old)	33kV Srijang Feeder	6.5	03.02.20
		Burla	Barpali	Burla	Bargarh	33kV Dumtarahal Feeder	10.5	20.01.20
		Burla	Rourkela	Burla	Rourkela	33kV Dunguri Feeder	15.0	04.02.20
		Bolangir	Nuapada	Bolangir	Khariar	33kV Lathikata Feeder	8.0	04.02.20
						33kV Khariar RE	15.0	02.02.20
OPTCL	Stage-II	Jayanagar	Jayanagar	Rayagada	Jayanagar	33kV Boriguma Feeder	10.0	18.01.20
	49.2Hz	Jayanagar	Jayanagar	Rayagada	Sunabeda	33kV Laximpur Feeder	8.0	18.01.20
		Jayanagar	Therubali	Rayagada	Therubali	33kV Bissm Katak Feeder	8.0	05.02.20
		Berhampur	Phulbani	Berhampur	Phulbani	33kV Kalinga Feeder	8.0	27.01.20
		Cuttack	Paradeep	Cuttack	Kendrapara	33kV Luna Feeder	15.0	To be configured by GE
		Cuttack	Paradeep	Cuttack	Patamundali	33kV Rajnagar Feeder	8.0	05.02.20
		Berhampur	Chhatrapur	Berhampur	Chhatrapur	33kV Rambha Feeder	14.0	24.01.20
		Cuttack	Paradeep	Cuttack	Chandikhole	33kV Kabatabandaha Feeder	15.0	05.02.20
		Bhubaneswar	Puri	Bhubaneswar	Nimapara	33kV Kakatpur Feeder	13.0	30.01.20
		Bhubaneswar	Khurda	Bhubaneswar	Khurda	33kV Delanga Feeder	12.0	23.01.20
		Chainpal	Dhenkanal	Meramundali	Dhenkanal	33kV Hindol RD Feeder	12.0	03.02.20
		Chainpal	Chainpal	Meramundali	Chainpal	33kV Banarpal Feeder	15.0	04.02.20
						<b>Total</b>	<b>181.5</b>	

7.2.2020



		Jajpur Rd(Balasore)	Jajpur Road	Jajpur Rd(Balasore)	Jajpur Road	33kV Panikoli Feeder	12.0	03.02.20
		Berhampur	Bhanjanagar	Berhampur	Bhanjanagar	33kV Belaguntha Feeder	12.0	22.01.20
		Burla	Rajgangpur	Burla	Sundargarh	33kV Bargoan Feeder	6.5	04.02.20
		Berhampur	Bhanjanagar	Berhampur	Aska	33kV Budamba Feeder	15.0	21.01.20
OPTCL	Stage-II	Jajpur Rd(Balasore)	Bhadrak	Jajpur Rd(Balasore)	Bhadrak	Total	183.5	
	49.0Hz	Chainpal	Dhenkanal	Meramundali	Dhenkanal	33kV Chandabali Feeder	16	03.02.20
		Burla	Burla	Burla	Sambalpur	33kV Gonda Feeder	13.0	03.02.20
		Burla	Barpali	Burla	Bargah	33kV Rengali Feeder	15.0	04.02.20
		Bhubaneswar	Nayagarh	Bhubaneswar	Nayagarh	33kV Turung Feeder	22.0	04.02.20
		Burla	Jhatsuguda	Burla	Bratajarajgarh	33kV Binodpara Feeder	12.0	27.01.20
		Bolangir	Bolangir	Bolangir	Patnagarh	33kV Sargipali Feeder	15.0	04.02.20
		Jajpur Rd(Balasore)	Joda	Jajpur Rd(Balasore)	Palaspongga	33kV Khaparakhhol Feeder	8.0	22.01.20
		Chainpal	Chainpal	Meramundali	Boinda	33kV Remuli Feeder	18.0	03.02.20
		Chainpal	Chainpal	Meramundali	Chainpal	33kV Athamalik Feeder	5.0	03.02.20
		Chainpal	Dhenkanal	Meramundali	Kalarangi	33kV Parang Feeder	13.0	03.02.20
		Bolangir	Kesinga	Bolangir	Kesinga	33kV Goda Feeder	10.0	04.02.20
		Bhubaneswar	Puri	Bhubaneswar	Nimapara	33kV Titilagarh Feeder	12.0	31.01.20
		Berhampur	Bhanjanagar	Berhampur	Aska	33kV Konark Feeder	7.0	30.01.20
		Jajpur Rd(Balasore)	Jajpur Road	Jajpur Rd(Balasore)	Jajpur Road	33kV Nuagaon Feeder	10.0	21.01.20
						33kV Kuakhia Feeder	8.0	03.02.20
OPTCL	Stage-IV	Bolangir	Nuapada	Bolangir	Khariar	Total	184.0	
	48.8Hz	Jayanagar	Jayanagar	Rayagada	Sunabeda	33kV Khariar Feeder-II	7.0	02.02.20
		Burla	Rourkela	Burla	Barkote	33kV Nandapur Feeder	7.0	18.01.20
		Jajpur Rd(Balasore)	Joda	Jajpur Rd(Balasore)	Polaponga	33kV Mahuldhia Feeder	9.0	04.02.20
		Berhampur	Bhanjanagar	Berhampur	Aska	33kV Keonjhar Feeder	17.0	03.02.20
		Burla	Rajgangpur	Burla	Sundargarh	33kV Kabisuryanagar Feeder	13.0	21.01.20
		Berhampur	Bhanjanagar	Berhampur	Bhanjanagar	33kV Subdega Feeder	5.0	04.02.20
		Cuttack	Paradeep	Cuttack	Kendrapara	132kV Phulbani Feeder	22.0	22.01.20
		Jajpur Rd(Balasore)	Jajpur Road	Jajpur Rd(Balasore)	Jajpur Road	132kV Patanundai Feeder	24.0	05.02.20
		Bolangir	Bolangir	Bolangir	Bolangir (New)	132kV Anandapur Feeder	30.0	03.02.20
		Jayanagar	Jayanagar	Rayagada	Jayanagar	132kV Patanagarh Feeder	22.0	31.01.20
						132kV Tentulikhunti Feeder	30.0	20.01.20
					UFR Scheme	Total	186.0	
							735	

22.2.2020

### **Restoration schedule of 400 kV Barh-Motihari D/C and 400 kV Motihari-Gorakhpur D/C lines**

In 161<sup>st</sup> OCC, ERLDC informed that 400 KV Barh – Motihari (DMTCL) – D/C were out since **04/09/2019** on tower collapse at LOC 26/0 and 400 KV Motihari – Gorakhpur(DMTCL) –D/C were out since **13/08/2019** on tower collapse at LOC 27/0.

After detailed deliberation, it was emerged that one of the circuits of 400 KV Barh–Motihari(DMTCL) –D/C line could be restored as 400 KV Barh–Motihari(DMTCL) S/C line and other circuit could be directly connected to Gorakhpur to operate as 400 KV Barh–Gorakhpur S/C line keeping one circuit of 400 kV Motihari – Gorakhpur line under outage, till its tower restoration, so that Barh STPS generation could be evacuated safely.

Subsequently it was reported that on **7<sup>th</sup> Oct 2019** tower no 25/5 of Motihari-Barh got collapsed due to which temporary restoration of 400kV Barh-Motihari line as earlier planned, now seems to be in-feasible.

Under the circumstances POWERGRID is requested to furnish a detailed plan for restoration of 400kV Barh – Gorakhpur D/C (by passing the LILO point at Motihari) on urgent basis to maintain reliability of ER – NR inter regional corridor and safe evacuation of Barh STPS power.

The Committee constituted for analyzing the major outages of ISTS elements of ER had made extensive deliberation on this issue in its 3<sup>rd</sup> meeting held on 24.10.2019. The Committee also considered to visit the affected location of tower collapse in December, 2019 to assess the actual site condition and volume of work involved etc.

*In 163<sup>rd</sup> OCC, DMTCL informed that the restoration work would start from 15<sup>th</sup> December 2019 after completion of approach road for carrying the construction material and mobilization of gangs.*

**DMTCL added that restoration of 400 kV Barh-Motihari D/C line would take five months and restoration of 400 kV Motihari -Gorakhpur D/C line would take six months.**

#### **a) Direct connectivity of 400 kV Barh- Gorakhpur D/C line**

In 163<sup>rd</sup> OCC, Powergrid was advised to make direct connectivity i.e. 400 kV Barh- Gorakhpur D/C line, till restoration of the LILO portion of Motihari.

Powergrid agreed to make direct connectivity with Twin Moose conductor but DMTCL has to do the necessary destringing of the conductor of the LILO section with the original line to enable PGCIL to establish the direct connectivity.

OCC advised DMTCL to complete the destringing work at the earliest so that Powergrid could start the bypass arrangement.

Thereafter, DMTCL vide mail dated 11<sup>th</sup> January 2020 informed that de-stringing of 400kV Barh-Gorakhpur ckt-1&2 of LILO section work completed.

*POWERGRID informed that they have mobilized the required man and material for stringing of conductor to provide direct connectivity from BARH STPS to Gorakhpur which is likely to be completed within 5 days.*

**b) Issues related to Bihar:**

In 163<sup>rd</sup> OCC, Bihar informed that they are facing severe power shortage at Motihari due to outage of above lines and requested DMTCL to accelerate the restoration work. Bihar requested DMTCL to complete the restoration work before summer.

Thereafter, Bihar informed that, outage of the above 400 kV Transmission Lines has severally affected East Champaran (Motihari) & West Champaran (Bettiah) and the adjoining areas which caused acute power crisis since September '2019. The feeder wise load details at DMTCL (Motihari) is as follows:

Motihari (DMTCL) 400/132 KV,  <b>Transformer Capacity – 2*200 MVA</b>	<b>132kV Substation</b>	<b>OFF peak load</b>	<b>Peak load</b>
	Motihari	50	60
	Bettiah	45	47
	Narkatiyaganj	12	18
	Ramnagar	55	65
	Valmikinagar	03	05
	Raxaul	30	45
	Parwanipur (Nepal)	65	80
	<b>TOTAL</b>	<b>260</b>	<b>320</b>

Therefore, 260-320 MW loss of load occurred due to outage of this transmission line. Nepal is also facing a deficit of 70-80 MW power supply through 132 kV Raxaul-Parwanipur (Nepal) line.

The vast areas which are adversely affected due to the outage of 400 KV Transmission Lines are being fed partially through GSS Gopalganj , Parwanipur (Nepal) T/L, Surajpura (Nepal) & GSS Sitamarhi . GSS Gopalganj is fed through single source i.e. 220 KV D/C MTPS-Gopalganj T/L. This Line gets overloaded during peak hours and in that condition BSPTCL is left with no other option except load shedding in almost five districts namely East Champaran( Motihari) & West Champaran (Bettiah) , Siwan , Gopalganj & Chhapra . The situation may further worsen in case of outage of 220 KV MTPS-Gopalganj T/L & it will lead to total blackout in the northern region of Bihar.

Due to outage of these 400 kV Transmission Lines since sep'2019, Bihar has to face a deficit of 320 MW, which was met through alternative sources with a load restriction of approximately 125-160 MW. In present scenario, due to lower demand BSPTCL is able to meet the demand

through available sources. But, the situation will worsen with increasing load demand in upcoming months.

Therefore, it is requested to kindly take necessary measures at your end to ensure the timely availability of 400 KV D/C Barh-Motihari-Gorakhpur T/L to avoid any load restriction.

**c) Latest restoration schedule submitted by DMTCL:**

<b>400kV Motihari - Barh line with ERS single ckt</b>	
<b>Activity</b>	<b>End Date</b>
Piles -	30th Jan 2020
Pile caps & chimney -	7th Feb 2020
Tower supply -	10-Feb-20
Conduotor supply -	30th Jan 2020
Tower erection -	23-Feb-20
Stringing completion for towers 25/1, 25/2 &25/3 -	29-Feb-20
ERS - Mobilization -	7th Feb 2020
ERS - Installation & Stringing -	29th Feb 2020
<b>400kV Motihari - Barh D/C line permanent restoration by 25-May-20</b>	
<b>400kV Motihari Gorakhpur D/C line</b>	
Islanding-	19-Feb-20
Pile completion -	24-Mar-20
Pile caps & Chimney -	30-Mar-20
Tower supply-	20-Feb-20
Conductor supply -	20th Feb 2020
Tower erection -	22-Apr-20
Stringing	30-Apr-20
Commissioning -	30 Apr 2020

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## Annexure-B8

FGD status for Under Construction/commissioned Thermal Power Plant after 31.08.2017																
S.N	Developer	Project Name	LOA Date	Sector	State	Region	Unit No	Cap. (MW)	DT-of COMMISSIONING (MM/DD/YYYY)	Whether FGD space available (Y/N)	Whether FGD planned (Y/N)	FGD Phasing Plan for Implementation (DD/MM/YYYY)	Remarks	Current Status	Date of award	Executing Agency
2	NTPC	Barh STPP-I	Mar-05	Central Sector	Bihar	ER	U-1	660	UC	Y	Y	31/12/2022	FGD contract awarded on 18.09.2019	FGD is awarded to BHEL on 18.09.18.Yet to mobilize. Basic Engg ordering in progress.	18-09-2018	BHEL
3	NTPC	Barh STPP-I	Mar-05	Central Sector	Bihar	ER	U-2	660	UC	Y	Y	31/12/2022	FGD contract awarded on 18.09.2019	FGD is awarded to BHEL on 18.09.18.Yet to mobilize. Basic Engg ordering in progress.	18-09-2018	BHEL
4	NTPC	Barh STPP-I	Mar-05	Central Sector	Bihar	ER	U-3	660	UC	Y	Y	31/12/2022	FGD contract awarded on 18.09.2019	FGD is awarded to BHEL on 18.09.18.Yet to mobilize. Basic Engg ordering in progress.	18-09-2018	BHEL
5	NTPC	Nabi Nagar TPP	Jan-08	Central Sector	Bihar	ER	U-3	250	26.02.2019	Y	Y	31/12/2022	FGD contract awarded on 10.07.2019	Work in progress.		
6	NTPC	Nabi Nagar TPP	Jan-08	Central Sector	Bihar	ER	U-4	250	UC	Y	Y	31/12/2022	FGD contract awarded on 10.07.2019	Work in progress.		
7	NTPC	Nabi Nagar STPP	Jan-13	Central Sector	Bihar	ER	U-1	660	29.03.2019	Y	Y	31/12/2022	FGD contract awarded on 14.06.2019	Work in progress.		
8	NTPC	Nabi Nagar STPP	Jan-13	Central Sector	Bihar	ER	U-2	660	UC	Y	Y	31/12/2022	FGD contract awarded on 14.06.2019	Work in progress.		
9	NTPC	Nabi Nagar STPP	Jan-13	Central Sector	Bihar	ER	U-3	660	UC	Y	Y	31/12/2022	FGD contract awarded on 14.06.2019	Work in progress.		
12	NTPC	North Karanpura TPP	Feb-14	Central Sector	Jharkhand	ER	U-1	660	UC	Y	Y	31/12/2022	FGD contract awarded on 31.07.2018	Work in progress.	31-07-2018	BHEL
13	NTPC	North Karanpura TPP	Feb-14	Central Sector	Jharkhand	ER	U-2	660	UC	Y	Y	31/12/2022	FGD contract awarded on 31.07.2018	Work in progress.	31-07-2018	BHEL
14	NTPC	North Karanpura TPP	Feb-14	Central Sector	Jharkhand	ER	U-3	660	UC	Y	Y	31/12/2022	FGD contract awarded on 31.07.2018	Work in progress.	31-07-2018	BHEL
21	NTPC	Darlipalli STPP	Feb-14	Central Sector	Odisha	ER	U-1	800	UC	Y	Y	31/12/2022	FGD contract awarded on 18.09.2018	site mobilization being done.	18-09-2018	L&T
22	NTPC	Darlipalli STPP	Feb-14	Central Sector	Odisha	ER	U-2	800	UC	Y	Y	31/12/2022	FGD contract awarded on 18.09.2018	site mobilization being done.	18-09-2018	L&T
36	NTPC	Patratu (3x800 MW)	Mar-18	Central Sector	Jharkhand	ER	U-1	800	UC	Y	Y	31/12/2022	Awarded along with main plant on 03.08.2018	Work in progress.		BHEL
37	NTPC	Patratu (3x800 MW)	Mar-18	Central Sector	Jharkhand	ER	U-2	800	UC	Y	Y	31/12/2022	Awarded along with main plant on 03.08.2018	Work in progress.		BHEL
38	NTPC	Patratu (3x800 MW)	Mar-18	Central Sector	Jharkhand	ER	U-2	800	UC	Y	Y	31/12/2022	Awarded along with main plant on 03.08.2018	Work in progress.		BHEL
39	NTPC-SAIL	Rourkela PP-II Exp	May-16	Central Sector	Odisha	ER	U-1	250	UC	Y	Y	31/12/2022	Tender issued earlier has been annulled. Fresh tender issued on 27.08.19 (being done by NTPC). Award being expedited			

FGD status for Under Construction/commissioned Thermal Power Plant after 31.08.2017

S.N	Developer	Project Name	LOA Date	Sector	State	Region	Unit No	Cap. (MW)	DT-of COMMISSIONING (MM/DD/YYYY)	Whether FGD space available (Y/N)	Whether FGD planned (Y/N)	FGD Phasing Plan for Implementation (DD/MM/YYYY)	Remarks	Current Status	Date of award	Executing Agency
44	BSEB	Barauni TPS Extn.	Mar-11	State Sector	Bihar	ER	U-8	250	11.01.2018	Y	Y	31/12/2022	NIT issued on 27.08.2019.	Revised estimate for tender towards appointment of Project Management Consultant for "Feasibility study, selection of implementing agency and supervision of installation , commissioning, testing & inspection till completion of project for installation of FGD ,SCR etc at 2X250MW extension project of Barauni TPS, Begusarai as per revised emission norms declared by MoEF&CC is under consideration		
45	BSEB	Barauni TPS Extn.	Mar-11	State Sector	Bihar	ER	U-9	250	31.03.2018	Y	Y	31/12/2022	NIT issued on 27.08.2019.	Revised estimate for tender towards appointment of Project Management Consultant for "Feasibility study, selection of implementing agency and supervision of installation , commissioning, testing & inspection till completion of project for installation of FGD ,SCR etc at 2X250MW extension project of Barauni TPS, Begusarai as per revised emission norms declared by MoEF&CC is under consideration		
50	OPGCL	Ib valley TPP	Mar-14	State Sector	Odisha	ER	U-3	660	20.04.2019	Y	Y	31-12-2023		Consultant finalized, Techno – commercial bid evaluation in progress.		
52	OPGCL	Ib valley TPP	Mar-14	State Sector	Odisha	ER	U-4	660	11.05.2019	Y	Y	31-12-2023		Consultant finalized, Techno – commercial bid evaluation in progress.		
84	JICPL	Siriya TPP (Jas Infra. TPP)	Mar-11	Private Sector	Bihar	ER	U-1	660	UC					Uncertain Project		
85	JICPL	Siriya TPP (Jas Infra. TPP)	Mar-11	Private Sector	Bihar	ER	U-2	660	UC					Uncertain Project		
86	JICPL	Siriya TPP (Jas Infra. TPP)	Mar-11	Private Sector	Bihar	ER	U-3	660	UC					Uncertain Project		
87	JICPL	Siriya TPP (Jas Infra. TPP)	Mar-11	Private Sector	Bihar	ER	U-4	660	UC					Uncertain Project		
103	Corporate Power Ltd.	Matrishri Usha TPP Ph-I	Dec-09	Private Sector	Jharkhand	ER	U-1	270	UC					Uncertain Project		
104	Corporate Power Ltd.	Matrishri Usha TPP Ph-I	Dec-09	Private Sector	Jharkhand	ER	U-2	270	UC					Uncertain Project		
105	Corporate Power Ltd.	Matrishri Usha TPP Ph-II	Mar-11	Private Sector	Jharkhand	ER	U-3	270	UC					Uncertain Project		
106	Corporate Power Ltd.	Matrishri Usha TPP Ph-II	Mar-11	Private Sector	Jharkhand	ER	U-4	270	UC					Uncertain Project		
107	Essar Power Ltd.	Tori TPP Ph-I	Aug-08	Private Sector	Jharkhand	ER	U-1	600	UC					Uncertain Project		
108	Essar Power Ltd.	Tori TPP Ph-I	Aug-08	Private Sector	Jharkhand	ER	U-2	600	UC					Uncertain Project		
109	Essar Power Ltd.	Tori TPP Ph-II	Aug-08	Private Sector	Jharkhand	ER	U-3	600	UC					Uncertain Project		
129	Ind Barath	Ind Barath TPP (Odisha)	May-09	Private Sector	Odisha	ER	U-2	350	UC					Uncertain Project		
130	KVK Nilanchal	KVK Nilanchal TPP	Nov-09	Private Sector	Odisha	ER	U-1	350	UC					Uncertain Project		
131	KVK Nilanchal	KVK Nilanchal TPP	Nov-09	Private Sector	Odisha	ER	U-2	350	UC					Uncertain Project		
132	KVK Nilanchal	KVK Nilanchal TPP	Nov-09	Private Sector	Odisha	ER	U-3	350	UC					Uncertain Project		
133	LBP Ltd.	Lanco Babandh TPP	Nov-09	Private Sector	Odisha	ER	U-1	660	UC					Uncertain Project		

FGD status for Under Construction/commissioned Thermal Power Plant after 31.08.2017																
S.N	Developer	Project Name	LOA Date	Sector	State	Region	Unit No	Cap. (MW)	DT-of COMMISSIONING (MM/DD/YYYY)	Whether FGD space available (Y/N)	Whether FGD planned (Y/N)	FGD Phasing Plan for Implementation (DD/MM/YYYY)	Remarks	Current Status	Date of award	Executing Agency
134	LBP Ltd.	Lanco Babandh TPP	Nov-09	Private Sector	Odisha	ER	U-2	660	UC					Uncertain Project		
135	MPCL	Malibrahmani TPP	Jun-10	Private Sector	Odisha	ER	U-1	525	UC					Uncertain Project		
136	MPCL	Malibrahmani TPP	Jun-10	Private Sector	Odisha	ER	U-2	525	UC					Uncertain Project		
139	India Power Corporation ( Haldia ) Limited	India Power TPP	Sep-10	Private Sector	WB	ER	U-2	150	31.12.2017	Y	Y	31.03.2023				
140	India Power Corporation ( Haldia ) Limited	India Power TPP	Sep-10	Private Sector	WB	ER	U-3	150	UC	Y	Y			Uncertain Project		



POWER SYSTEM DEVELOPMENT FUND														
Status of the Projects approved in Eastern Region														
Sl No	State	Entity	Name of the Proposal & No	Date of Sanction	Approved DPR cost	Sanctioned Grant	Date of signing of Agreement	Date of First Disbursement	Completion Schedule (in months)	Grant Disbursed till date	% Grant disbursed	Under process of disbursement	Total Awards amount placed till date	Remarks
1	Bihar	BSPTCL	Renovation and Upgradation of protection system of substations. (18)	11-May-15	71.35	64.22	3-Dec-15	16-May-16	24	56.04	87.26%		69.20	Final 10% not yet claimed
2			Installation of Capacitor bank in 20 Nos of Grid Sub Station. (74)	5-Sep-16	20.98	18.88	14-Mar-18	26-Mar-19	24	16.99	89.98%		20.98	Final 10% not yet claimed
3			Renovation and Upgradation of the protection and control system of 12nos 132/33 Grid Sub Station. (73)	2-Jan-17	54.69	49.22	Agreement not signed		24	0.00	0.00%			Agreement not signed
			<b>Total</b>		<b>147.02</b>	<b>132.32</b>				<b>73.03</b>	<b>55.19%</b>		<b>90.18</b>	
4	Jharkhand	JUSNL	Renovation & Upgradation of protection system of Jharkhnad. (161)	15-Nov-17	153.48	138.13	3-Jul-18	28-Mar-19	16	39.03	28.26%		140.09	60% grant recieved
5			Reliable Communication & data acquisition system upto 132kV Substations ER. (177)	24-May-19	46.82	22.36	Agreement not signed				0.00%			Agreement not signed
			<b>Total</b>		<b>200.3</b>	<b>160.49</b>				<b>39.03</b>	<b>24.32%</b>	75.65	<b>140.09</b>	
6	Odisha	OPTCL	Renovation and Upgradation of protection system of substaions. (08)	11-May-15	180.56	162.50	5-Aug-15	22-Mar-16	24	46.04	28.33%		60.26	Final 10% not yet claimed
7			Implementation of OPGW based reliable communication at 132 kv and above substations.	15-Nov-17	51.22	25.61	3-Jan-18	29-Mar-19	36	7.68	29.99%		51.22	60% grant not yet requested
8			Installation of 125 MVAR Bus Reactor along with construction of associated by each at 400kV Grid S/S of Mendhasal, Meramundali & New Duburi for VAR control & stabilisation of system voltage. (179)	27-Jul-18	30.26	27.23	21-Sep-18	1-Apr-19	18	2.72	9.99%			Awards not yet placed & 20% not yet requested
9			Implementation of Automatic Demand Management System (ADMS) in SLDC, Odisha. (196)	24-May-19	3.26	2.93	Agreement signed		10		0.00%			Agreement signed
10			Protection Upgradation and installation os Substation Automatic System (SAS) for seven nos of 220/132/33kV Substations (Balasore, Bidanasi, Budhipadar, Katapali, Narendrapur, New Bolangir & Paradeep). (209)	24-May-19	40.7	36.63			18		0.00%			Agreement is under execution
11		OHPCL	Renovation and Upgradation of protection and control system of OHPC. (109)	22-May-17	24.83	22.35	19-Sep-17	25-May-18	24	4.07	18.19%		17.17	60% grant not yet requested
			<b>Total</b>		<b>330.83</b>	<b>277.25</b>				<b>59.11</b>	<b>21.32%</b>		<b>121.66</b>	
12	West Bengal	WBSET CL	Renovation and Upgradation of protection system of substations. (07)	31-Dec-14	120.67	108.60	10-Feb-15	4-Feb-16	15	46.10	42.45%		51.23	Project Completed. Short closed
13			Installation of switchable reactor & shunt capacitor for voltage improvement. (88)	22-May-17	48.19	43.37	10-Aug-17	22-Jun-18	19	11.69	26.95%		28.30	60% not yet claimed
14			Renovation & Modernisation of Transmission System. (87)	22-May-17	93.51	70.13	10-Aug-17	25-Jun-18	25	63.12	90.00%		93.51	Final 10% not yet claimed
15			Installation of Bus Reactors at different 400kV Substation within the state of West Bengal for reactive power management of the Grid. (210)	24-May-19	79.71	71.74	24-Jun-19	23-Oct-19	19		0.00%	7.17		Order would be placed in Feb 20
16			Project for establishment of reliable communication and data acquisition at different substation at WBSWTCL. (222)	24-May-19	62.39	31.19	24-Jun-19	23-Oct-19	25	3.12	10.00%			Tendering in process& 20% not yet requested



POWER SYSTEM DEVELOPMENT FUND														
Status of the Projects approved in Eastern Region														
Sl No	State	Entity	Name of the Proposal & No	Date of Sanction	Approved DPR cost	Sanctioned Grant	Date of signing of Agreement	Date of First Disbursement	Completion Schedule (in months)	Grant Disbursed till date	% Grant disbursed	Under process of disbursement	Total Awards amount placed till date	Remarks
17		WBPDC L	Renovation and Modernization of 220/ 132 kV STPS switch yard and implementation of Substaion Automation System. (72)	5-Sep-16	26.09	23.48	29-Dec-16	18-May-17	18	7.05	30.02%			60% not yet claimed. Claimed on 15th Jan 2020
18			Implementation of Islanding scheme at Bandel Thermal Power Station. (97)	16-May-17	1.54	1.39	10-Aug-17	14-Dec-17	8	1.39	100.00%			Project Completed
19			Renovation and Modernization of switchyard and related protection system of different power stations (BTPS, BKTPS and KTPS) of WBPDC L. (155)	27-Jul-18	50.18	45.16	20-Dec-18	27-Mar-19	12	4.52	10.01%			20% not yet claimed. Claimed on 31 Dec 2019
			<b>Total</b>		<b>482.28</b>	<b>395.06</b>				<b>136.99</b>	<b>34.68%</b>		<b>173.04</b>	
20	DVC	DVC	Renovation and Upgradation of the protection and control system of Ramgarh Sub Station. (81)	2-Jan-17	28.85	25.96	11-Apr-17	31-May-17	24	22.95	88.41%		28.27	Final 10% not yet claimed.
21			Renovation and Modernization of control and protection system and replcement of equipment at Parulia, Durgapur, Kalyanewari, Giridhi Jamsedpur, Barjora, Burnpur, Dhanbad and Bundwan substation. (106)	16-May-17	156.11	140.50	21-Jun-17	14-Dec-17	24	36.06	25.67%		122.75	60% not yet claimed. wiil be done by end of Jan 2020
			<b>Total</b>		<b>184.96</b>	<b>166.46</b>				<b>59.01</b>	<b>35.45%</b>		<b>151.03</b>	
22	Sikkim	ENPD, Sikkim	Drawing of optical ground wire (OPGW) cables on existing 132kV & 66kV transmission lines and integration of leftover substations with State Load Despatch Centre, Sikkim. (173)	24-May-19	20.00	10.00	4-Dec-19				0.00%			Initla 10% not yet claimed
					<b>20.00</b>	<b>10.00</b>				<b>0.00</b>	<b>0.00%</b>		<b>0.00</b>	
23	PGCIL	PGCIL	Installation of STATCOMs in ER at Ranchi-New, Rourkela, Kishanganj and Jeypore substations of POWERGRID. (56)	5-Jan-16	700.31	630.28	29-Sep-16	31-Mar-17	30	571.69	90.70%		651.52	Project Completed
24	ERPC	ERPC	Creation and Maintenance of web based protection database management. (67)	17-Mar-16	20	20.00	26-Apr-16	28-Jun-16	18	14.83	74.15%		16.48	Final 10% not yet claimed
25			Study Programme on power trading at NORD POOL Academy for Power System Engineers of Eastern Region. (122)	27-Jul-18	5.46	5.46	21-Sep-18	27-Mar-19	60	4.61	84.43%		5.37	Final 10% not yet claimed
26			Traning Program for Power system Engineers of various constituents of Eastern Region. (117)	27-Jul-18	0.61	0.61	21-Sep-18	11-Apr-19	60	0.18	29.51%		0.61	60% not yet claimed
			<b>Total</b>		<b>726.38</b>	<b>656.35</b>				<b>591.31</b>	<b>90.09%</b>		<b>673.98</b>	
			<b>GrandTotal</b>		<b>2,091.77</b>	<b>1,797.94</b>				<b>958.48</b>	<b>53.31%</b>	<b>75.65</b>	<b>1349.96</b>	

DEMAND FORECAST USING PAST 3 YEARS DATA (Apr 2020 - June 2020)															
										1	2	3	4	Data given by DICs	Comments
	2017-18			2018-19			2019-20								
	Apr-17	May-17	Jun-17	Apr-18	May-18	Jun-18	Apr-19	May-19	Jun-19	2017-18 Average	2018-19 Average	2019-20 Average	Projected Demand for (Apr 2020 - June 2020) before normalization		
Chandigarh	321	340	356	252	350	369	256	380	413	339	324	350	348		
Delhi	5,685	6,021	6,526	5,200	6,442	6,934	5,664	6,461	6,904	6,077	6,192	6,343	6,470	6500	As per data given by Delhi
Haryana	7,463	7,780	8,912	7,706	8,351	10,050	8,127	8,874	10,237	8,052	8,702	9,079	9,639		
Himachal Pradesh	1,329	1,349	1,377	1,424	1,405	1,474	1,387	1,480	1,619	1,352	1,434	1,495	1,571		
Jammu & Kashmir	2,062	2,134	2,214	2,183	2,356	2,197	2,308	2,426	2,362	2,137	2,245	2,365	2,478		
Punjab	8,078	8,229	11,024	7,083	8,920	12,377	7,087	8,850	13,149	9,110	9,460	9,695	10,007		
Rajasthan	9,155	10,305	10,347	10,053	11,298	11,698	10,560	11,791	12,620	9,936	11,016	11,657	12,591		
Uttar Pradesh	17,332	17,819	18,061	16,697	19,284	20,062	19,935	22,057	21,407	17,737	18,681	21,133	22,579	22000	As per data given by UP
Uttarakhand	1,917	1,992	2,027	1,953	2,097	2,134	1,922	2,155	2,164	1,979	2,061	2,080	2,142		
Northern Region	49,643	51,820	54,890	48,367	56,243	60,715	47,210	59,343	64,838						
Chattisgarh	3,887	3,713	3,203	3,645	3,652	3,718	4,574	4,504	4,078	3,601	3,672	4,385	4,670		
Gujarat	15,285	15,325	15,695	15,005	15,855	16,327	17,865	18,094	18,424	15,435	15,729	18,128	19,123		
Madhya Pradesh	8,402	8,227	7,610	8,589	8,745	8,366	10,018	10,131	10,180	8,080	8,567	10,110	10,949		
Maharashtra	22,494	21,778	20,520	23,207	23,254	21,703	23,150	23,613	22,912	21,597	22,721	23,225	24,142		
Daman & Diu	334	339	342	347	310	351	340	344	350	338	336	345	346		
Dadra Nagar Haveli	753	768	771	778	778	778	818	799	824	764	778	814	835		
Goa	557	504	464	562	530	493	594	554	621	508	528	590	623		
ESIL	648	645	665	580	632	708	703	522	514	624	640	580	570	700	As per data given by ESIL
Western Region	49,788	49,048	47,034	50,434	52,442	50,922	56,222	57,093	56,768						
Andhra Pradesh	7,848	7,882	8,000	8,945	9,249	9,188	9,160	9,854	10,170	7,910	9,127	9,728	10,740		
Telangana	9,001	7,396	7,207	9,125	7,752	7,616	10,202	8,684	8,355	7,868	8,164	9,080	9,583		
Karnataka	9,987	9,358	8,612	10,688	9,778	8,991	12,688	12,158	11,490	9,319	9,819	12,112	13,210		
Kerala	3,862	3,837	3,597	3,934	3,997	3,533	4,300	4,205	4,071	3,765	3,821	4,192	4,353	3950	As per data given by Kerala
Tamil Nadu	14,975	14,743	14,274	14,981	14,702	14,851	15,659	15,522	15,668	14,664	14,845	15,616	15,994		
Pondicherry	387	378	379	388	400	395	444	442	470	381	394	452	480		
Goa SR													80		
Southern Region	42,535	40,885	38,844	45,684	43,234	42,658	49,103	47,465	44,844						
Bihar	3,904	4,021	4,131	4,595	4,814	4,900	5,155	5,326	5,483	4,019	4,770	5,321	6,006		
DVC	2,651	2,684	2,518	2,760	2,701	2,700	3,014	2,963	2,950	2,618	2,720	2,976	3,129		
Jharkhand	1,197	1,211	1,228	1,221	1,284	1,198	1,325	1,389	1,362	1,212	1,234	1,359	1,415		
Odisha	4,227	4,208	3,929	4,348	4,615	4,652	5,140	4,606	4,949	4,121	4,538	4,898	5,296		
West Bengal	7,793	7,495	7,768	8,899	8,385	8,603	8,699	9,022	9,088	7,685	8,629	8,936	9,668		
Sikkim	91	78	78	90	88	78	98	93	89	82	85	93	98		
Bhutan															
Eastern Region	19,191	19,032	18,987	21,275	21,249	21,487	22,378	22,781	22,808						

DEMAND FORECAST USING PAST 3 YEARS DATA (Apr 2020 - June 2020)															
										1	2	3	4	Data given by DICs	Comments
	2017-18			2018-19			2019-20								
	Apr-17	May-17	Jun-17	Apr-18	May-18	Jun-18	Apr-19	May-19	Jun-19	2017-18 Average	2018-19 Average	2019-20 Average	Projected Demand for (Apr 2020 - June 2020) before normalization		
Arunachal Pradesh	129	145	123	125	123	133	136	138	144	132	127	139	140		
Assam	1,399	1,580	1,623	1,503	1,596	1,750	1,667	1,673	1,791	1,534	1,616	1,710	1,797		
Manipur	154	161	155	186	172	172	188	181	182	157	177	184	199		
Meghalaya	291	304	272	307	368	326	337	325	367	289	334	343	376		
Mizoram	85	85	77	89	87	93	113	100	99	82	90	104	114		
Nagaland	120	131	146	127	119	129	131	128	140	132	125	133	131		
Tripura	252	276	304	265	276	276	291	295	311	277	272	299	305		
N. Eastern Region	2,209	2,391	2,387	2,552	2,611	2,564	2,780	2,674	2,861						
All India (sum of all regions)	1,63,366	1,63,176	1,62,142	1,68,312	1,75,779	1,78,346	1,77,693	1,89,356	1,92,119	1,62,895	1,74,146	1,86,389	2,12,196		
All India Peak Met	1,58,393	1,56,733	1,53,179	1,61,286	1,70,765	1,69,942	1,76,810	1,82,533	1,82,454	1,56,102	1,67,331	1,80,599	1,92,508		

#### Notes

1. Projections are based on the past 3 years' monthly Peak Demand Met data available on the website of CEA
2. The above projections are being done for financial year 2020-2021 (Q1) i.e. April 2020-June 2020
3. Projections are being done based on the forecast function available in MS Office Excel

### Generation Projection (April 2020 - June 2020)

				Generation declared Commercial from 1st July'19 to 31st Dec'19					Generation declared/expected to be declared Commercial from 1st Jan'20 to 31st Mar'20								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/ PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)			(MW)
1	Uttar Pradesh	NR	10892											10892	As per data given by Uttar Pradesh	10833	10833
2	Delhi	NR	1248											1248	As per data given by Delhi	1095	1095
3	Haryana	NR	3084											3084			3084
4	Uttarakhand	NR	1046											1046			1046
5	Punjab	NR	5462											5462			5462
6	Rajasthan	NR	8103											8103			8103
7	Himachal Pradesh	NR	1045											1045			1045
8	Jammu & Kashmir	NR	996											996			996
9	BBMB	NR	2133											2133			2133
10	Chandigarh	NR	0											0			0
11	Railways	NR	0											0			0
12	Dadri Thermal	NR	1847											1847	As per data given by NTPC	1200	1200
13	Rihand	NR	2912											2912		2795	2795
14	Singrauli	NR	1716											1716		1858	1858
15	Unchahar	NR	1472											1472		1421	1421
16	Auraiya	NR	281											281		150	150
17	Dadri CCPP	NR	641											641		300	300
18	NAPS	NR	399											399			399
19	Jhajjar	NR	1118											1118	As per data given by Jhajjar	1414	1414
20	DHAULIGANGA	NR	291											291			291
21	Tanakpur	NR	91											91			91
22	Koteshwar	NR	407											407			407
23	Tehri	NR	568											568			568
24	Anta	NR	267											267	As per data given by NTPC	150	150
25	RAAP B	NR	377											377			377
26	RAPP C	NR	429											429			429
27	AD Hydro	NR	222											222			222
28	Everest	NR	104											104			104

## Generation Projection (April 2020 - June 2020)

				Generation declared Commercial from 1st July'19 to 31st Dec'19					Generation declared/expected to be declared Commercial from 1st Jan'20 to 31st Mar'20								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/ PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)			(MW)
29	Karcham Wangtoo	NR	1133											1133			1133
30	Bairasul	NR	123											123			123
31	Chamera 1	NR	555											555			555
32	Chamera 2	NR	308											308			308
33	Chamera 3	NR	248											248			248
34	Naptha Jhakri	NR	1624											1624			1624
35	Lanco Budhil	NR	73											73			73
36	DULHASTI	NR	378											378			378
37	Salal	NR	704											704			704
38	Sewa-II	NR	139											139			139
39	URI I HPS	NR	549											549			549
40	URI II HPS	NR	248											248			248
41	Sree Cement	NR	223											223			223
42	Parbati III	NR	491											491			491
43	Rampur HEP	NR	449											449	As per data given by Rampur HEP	442	442
44	KOLDAM	NR	878											878	As per data given by NTPC	792	792
45	Rosa Power	NR															0
46	Kishanganga	NR	271											271			271
47	Sainj HEP	NR	71											71			71
48	Tanda Stg-2	NR							Tanda Stg-2	5	660	432	432	432	As per data given by NTPC	433	433
49	Bhadla Solar	NR_RJ															0
50	West Bengal	ER	5479											5479			5479
51	Odisha	ER	2985	OPGC Stage-II	4	660	432	432						3417			3417
52	Bihar	ER	204											204			204
53	Jharkhand	ER	301											301			301
54	Sikkim	ER	0											0			0
55	Chujachan	ER	111											111			111
56	DVC	ER															
57	Durgapur Steel	ER															
58	Koderma TPP	ER															
59	Bokaro TPS	ER															
60	Raghunathpur	ER															
61	MPL	ER	1005											1005			1005
62	Teesta V	ER	532											532			532

## Generation Projection (April 2020 - June 2020)

				Generation declared Commercial from 1st July'19 to 31st Dec'19					Generation declared/expected to be declared Commercial from 1st Jan'20 to 31st Mar'20								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/ PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)			(MW)
63	Kahalgaon	ER	2079											2079	As per data given by NTPC	2171	2171
64	Farakka	ER	1858											1858		1960	1960
65	Talcher	ER	978											978			978
66	Rangit	ER	67											67			67
67	Adhunik Power	ER	503											503			503
68	Barh	ER	1276											1276	As per data given by NTPC	1238	1238
69	Kamalanga TPP (GMR)	ER	633											633			633
70	JITPL	ER	674											674			674
71	Jorethang	ER	91											91			91
72	Bhutan	ER	1152						Mangdechu HEP	1	180	143	570	1722			1722
									Mangdechu HEP	2	180	143					
									Mangdechu HEP	3	180	143					
									Mangdechu HEP	4	180	143					
73	Teesta-III	ER	1317											1317			1317
74	Dikchu HEP	ER	123											123			123
75	Nabinagar BRBCL	ER	696						Nabinagar BRBCL	4	250	164	164	860			860
76	Tashiding HEP	ER	112											112			112
77	Kanti Bijlee Stg-2 (KBUNL)	ER															0
78	Nabinagar STPS (NPGC)			Nabinagar STPS	1	660	432	432						432			432
79	Darlipalli STPP ST-I								Darlipalli STPP ST-I	1	800	524	524	524	As per data given by NTPC	560	560
80	MP	WR	5162											5162			5162
81	Maharashtra	WR	15823											15823			15823
82	Chattisgarh	WR	2429											2429			2429
83	Gujarat	WR	11369	Wanakbori TPS Extn.	8	800	524	524						11893			11893
84	Goa	WR	0											0			0
85	D&D	WR	0											0			0
86	DNH	WR	0											0			0
87	Vindhyachal	WR	4581											4581	As per data given by NTPC	4415	4415
88	Ratnagiri Dabhol	WR	619											619			619
89	TAPS (1,2,3,4)	WR	1166											1166			1166
90	Jindal	WR	623											623	As per data given by Jindal	360	360
91	LANCO	WR	576											576			576

## Generation Projection (April 2020 - June 2020)

				Generation declared Commercial from 1st July'19 to 31st Dec'19					Generation declared/expected to be declared Commercial from 1st Jan'20 to 31st Mar'20								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/ PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)			(MW)
92	NSPCL Bhilai	WR	476											476			476
93	Korba	WR	2477											2477	As per data given by NTPC	2421	2421
94	SIPAT	WR	2882											2882		2794	2794
95	CGPL	WR	3407											3407			3407
96	Mauda	WR	2217											2217	As per data given by NTPC	2050	2050
97	Gandhar	WR	484											484		350	350
98	Kawas	WR	510											510		250	250
99	SSP	WR	290											290			290
100	KAPS	WR	308											308			308
101	Essar Mahan	WR	958											958	As per data given by Essar Mahan	1123	1123
102	BALCO	WR	586											586			586
103	KSK Mahanadi	WR	1245											1245			1245
104	Sasan UMPP	WR	3824											3824			3824
105	JPL Stg-2	WR	1088											1088	As per data given by JPL Stg-2	1100	1100
106	DGEN	WR	541											541			541
107	DB Power Ltd.	WR	1182											1182	As per data given by DB Power Ltd.	1020	1020
108	Korba West	WR	385											385			385
109	Dhariwal	WR	282											282	As per data given by Dhariwal	273	273
110	GMR Chhattisgarh	WR	747											747			747
111	JP Nigrie	WR	1249											1249	As per data given by JP Nigrie	1240	1240
112	GMR Warora	WR	566											566			566
113	ACBIL+Spectrum+ MCCPL	WR	674											674	As per data given by ACBIL	676	676
114	MB Power (Anuppur)	WR	1082											1082			1082
115	RKM Power	WR	880											880			880
116	Jhabua Power	WR	497											497	As per data given by Jhabua Power	566	566
117	TRN Energy	WR	449											449	As per data given by TRN Energy	549	549
118	Sholapur STPP	WR	549	Sholapur STPP	2	660	432	432						981	As per data given by NTPC	970	970
119	Lara STPP	WR	678											678	As per data given by NTPC	560	560

## Generation Projection (April 2020 - June 2020)

				Generation declared Commercial from 1st July'19 to 31st Dec'19					Generation declared/expected to be declared Commercial from 1st Jan'20 to 31st Mar'20								
Sl. No.	Entities	Region	Projection s based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. consider ed	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/ PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)			(MW)
120	SKS Power	WR	511											511			511
121	Gadarwada	WR		Gadarwada	1	800	528	528						528	As per data given by NTPC	560	560
122	Khargone STPS	WR							Khargone STPS	1	660	432	864	864	As per data given by NTPC	867	867
									Khargone STPS	2	660	432					
123	Naranpar_Ostro	WR_GJ													As per last Quarter	125	125
124	Rewa_Solar (Acme+Arinsun+Badwar_Mahinder)	WR_MP													As per last Quarter	0	0
125	Vadwa_Green Infra(wind)	WR_GJ													As per last Quarter	90	90
126	Dayapar Inox(wind)	WR_GJ													As per last Quarter	75	75
127	Bhuvad_Renew (wind)	WR_GJ														60	60
128	Roha Green infra (wind)	WR_GJ													As per last Quarter	91	91
129	Ratadiya AGEMPL (wind)	WR_GJ														25	25
130	AGTPP, NEEPCO	NER	104											104			104
131	Doyang, NEEPCO	NER	48											48			48
132	Kopili, NEEPCO	NER	188											188			188
133	Kopili 2, NEEPCO	NER	25											25			25
134	Khandong, NEEPCO	NER	47											47			47
135	Ranganadi, NEEPCO	NER	386											386			386
136	AGBPP_Kathalguri	NER	230											230			230
137	Loktak, NHPC	NER	105											105			105
138	Palatana GBPP	NER	647											647	As per data given by Palatana GBPP	680	680
139	Bongaigaon_NTPC	NER	695											695	As per data given by NTPC	615	615
140	Pare HEP NEEPCO	NER	119											119			119
141	Arunachal Pradesh	NER	0	Dikshi	1	8	6	6						6			6
142	Assam	NER	208											208			208
143	Manipur	NER	0											0			0
144	Meghalaya	NER	208											208			208
145	Nagaland	NER	12											12			12



### Generation Projection (April 2020 - June 2020)

				Generation declared Commercial from 1st July'19 to 31st Dec'19					Generation declared/expected to be declared Commercial from 1st Jan'20 to 31st Mar'20								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/ PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)			(MW)
146	Tripura	NER	183											281			281
147	Mizoram	NER	29											29			29
148	Andhra Pradesh	SR	7019											7019			7019
149	Telangana	SR	6338											6338			6338
150	Karnataka	SR	9073											9073			9073
151	Kerala	SR	1534											1534	As per data given by Kerala	1600	1600
152	Tamil Nadu	SR	9294											9294			9294
153	Pondy	SR	0											0			0
154	Ramagundam	SR	2433											2433	As per data given by NTPC	2421	2421
155	Simhadri II	SR	964											964		943	943
156	Simhadri I	SR	904											904		943	943
157	SEPL	SR	0											0			0
158	Lanco Kondapalli	SR	0											0			0
159	Kaiga	SR	822											822			822
160	NEYVELI ( EXT) TPS	SR	557											557			557
161	NEYVELI TPS-II	SR	725											725			725
162	NEYVELI TPS-II EXP	SR	738											738			738
163	MAPS	SR	227											227			227
164	Vallur	SR	1334											1334			1334
165	Meenakhshi	SR	14											14			14
166	Coastal Energen	SR	604											604			604
167	Kudankulam	SR	1118											1118			1118
168	Tuticorin TPP	SR	724											724			724
169	Thermal Power Tech	SR	1271											1271			1271
170	IL&FS	SR	907											907			907
171	Talcher Stage II	SR	1912											1912			1912
172	Sembcorp Gayatri Power Ltd.	SR	1270											1270			1270
173	Kudgi STPS	SR	1771											1771	As per data given by NTPC	2050	2050
174	Neyveli New Thermal Power	SR		Neyveli New Thermal Power	1	500	330	330	Neyveli New Thermal Power	2	500	330	330	660			660
175	Green Infra_SR	SR_TN														125	125
176	Mytrah	SR_TN													As per last Quarter	125	125

Generation Projection (April 2020 - June 2020)																	
				Generation declared Commercial from 1st July'19 to 31st Dec'19					Generation declared/expected to be declared Commercial from 1st Jan'20 to 31st Mar'20								
Sl. No.	Entitles	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/ PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)			(MW)
177	Orange	SR_TN														100	100
178	Betam	SR_TN													As per last Quarter	125	125
	TOTAL		211044											216709			215815

**Note:**

- Projections are based on monthly maximum injection in the last 3 years from actual metered data.
- Generation forecast has been done based on the following criteria
  - If there is an increasing trend then last year average generation has been considered
  - Otherwise average of past three year average generation has been considered
- In case of new generators where past data was not available following has been assumed
  - 0.8 plf for hydro generators
  - 0.7 plf for thermal generators.
  - 0.3 plf for gas stations



पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड  
(भारत सरकार का उद्यम)  
**POWER GRID CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)

Ref. No.: ER-I/PAT/AM/OCC

Date : 18.02.2020

To,  
Member Secretary,  
Eastern Regional Power Committee,  
14, Golf Club Road, Tollygunj, Kolkata-700033

**Sub: Additional agenda points for 166<sup>th</sup> OCC meeting scheduled to be held on 20.02.2020 at Bhubaneswar, ODISHA.**

Dear Sir,

In reference to subject matter and discussion held in ERLDC shutdown VC on 17.02.20, we hereby submit the following shutdown schedule for rectification of bent tower location number 170 of 400 kV Sasaram Nabinagar D/C line as additional agenda points for your consideration and discussion in the subject meeting:-

Sl. No.	Description	From		To		Type	Remarks
		Date	Time	Date	Time		
1	400 kV Nabinagar Sasaram Ckt-I	27.02.20	08 hrs	27.02.20	18 hrs	ODB	For shifting Nabinagar Sasaram CKT-I to Sasaram Daltonganj I through ERS towers for evacuation of power from Nabinagar on temporary basis.
		19.03.20	08 hrs	19.03.20	18 hrs	ODB	For restoration of Nabinagar Sasaram CKT-I temporarily charged through ERS towers and Sasaram Daltonganj-I back to original configuration.
2	400 kV Sasaram Daltonganj ckt- I	27.02.20	08 hrs	19.03.20	18 hrs	OCB	For temporary evacuation of power from Nabinagar through ERS tower during rectification work. <b>The circuit will return as temporary path for Nabinagar Sasaram-I on 27.02.20/18 hrs.</b>
3	400 kV Sasaram Daltonganj ckt-II	27.02.20	08 hrs	27.02.20	18 hrs	ODB	The S/D of Sasaram Daltonganj CKT-II is required for safety purpose while connection of the jumpering from ERS tower to Sasaram Daltonganj ckt-I
		19.03.20	08 hrs	19.03.20	18 hrs	ODB	The S/D of CKT II will be required for safety purpose during removal of jumpering between ERS tower and Sasaram Daltonganj ckt-I for restoration to original configuration
4	400 kV Nabinagar Sasaram ckt-II	27.02.20	08 hrs	19.03.20	18 hrs	OCB	Both circuits of Nabinagar Sasaram will go under S/D simultaneously. However, 01 ckt will return on temporary path through ERS tower from evening of 27.02.20.

Contd Pg. 2


J. अंकुश 18/2/20

//....2...//

It is worth to mention that presently erection of ERS towers is in full swing and the same is likely to be completed by 26.02.20. Accordingly, it is requested kindly to include the same for discussion as additional agenda in OCC.

Thanking you.

Yours faithfully,

  
(Sanjay Kumar Singh)

Sr. GM (AM)

POWERGRID, ER-I

Table 1: Unit Where PSS tuning Completed during last Four years (2016-2020)

Power Plant	Unit No	PSS tuned (Yes/No)	PSS in Service (Yes/No)	Last PSS Tuning Date
Kolaghat-WBPDCL	4-5	Yes	Yes	2019
Sagardighi-WBPDCL	3-4	Yes	Yes	2019
Santhaldih-WBPDCL	5-6	Yes	Yes	2019
Bandel-WBPDCL	5	Yes	Yes	2019
Bakreshwar-WBPDCL	1-5	Yes	Yes	2019
Budge Budge-CESC	3	Yes	Yes	2019
Durgapur-DVC	1-2	Yes	Yes	2019
Koderma-DVC	2	Yes	Yes	2019
Kahalgaon NTPC	1	Yes	Yes	2017
Kahalgaon NTPC	2-3	Yes	Yes	2016
BRBCL	2	Yes	Yes	2019
Teesta-III	1-6	Yes	Yes	2019
Tashiding	1-2	Yes	Yes	2017
Dikchu	1-2	yes	yes	2017
Maithon Power Limited	1	Yes	Yes	2019
Maithon Power Limited	2	Yes	Yes	2017
JITPL	1-2	Yes	Yes	2016
Tenughat	1-2	Yes	Yes	2017
Adhunik	2	Attempted	Yes	2019
HEL	1-2	Yes	Yes	2020
NPGC	1	Yes	Yes	2019
Mejia, DVC	5,6,7,8	Yes	Yes	2020
CTPS, DVC	7-8	Yes	Yes	2020

(\*Total 36 units PSS has been tuned, among these few Units may require re-tuning due to network changes and has been intimated)

**Table 2 : Units Where PSS tuning is carried out prior to 2016 or No Information on  
Tuning has been shared.**

Power Plant	Unit No	Utility	Remarks from Utility on Tuning
DPL	7-8	WBPDCCL (After takeover)	No Details
PPSP	1-4	WBSEDCL	No Details
TLDP III	1-4	WBSEDCL	No Details
TLDP IV	1-4	WBSEDCL	No Details
Budge Budge	1-2	CESC	No Details
Kahalgaoon	4-7	NTPC	No Details
Farakka	1-6	NTPC	No Details
Talcher Stage 1	1-2	NTPC	No Details
Talcher Stage 2	3-6	NTPC	No Details
NPGC	1-1	NTPC	No Details
BRBCL	1-3	NTPC	No Details
KBUNL	1-4	NTPC	No Details
Rangit	1-3	NHPC	No Details
GMR	1-3	GMR	Dec 2020 (Overhauling)
IB TPS	1-4	OPGC	No Details
Upper Indravati	1-4	OHPC	No Details
Balimela	1-8	OHPC	No Details
Upper Kolab	1-4	OHPC	No Details
Rengali	1-5	OHPC	No Details
Sterlite	1-4	Sterlite	No Details
Subarnrekha	1-2	JUUNL	No Details
Tala, Chukha Mangdechhu	All Units	BPC	No Details
Chujachen	1-2	IPP	Planned In Feb 2020
Teesta 5	1-3	NHPC	Planned In March 2020
Waria	4-1	DVC	Planned in April 2020
Mejia	4-8	DVC	Planned in December 2019
Chandrapura B	1-2	DVC	Planned in December 2019
Raghunathpur	1-2	DVC	Planned in Feb 2021 for Unit 1 and June 2021 for Unit 2
Jorethang	1-2	IPP	Planned In Jan 2020
Bokaro	A1,B	DVC	Planned in Jun 2020
Koderma	1-1	DVC	Planned in May 2020
Barh	4-5	NTPC	Planned in Nov 2019
Sagardighi	1-2	WBPDCCL	PSS tuning Order Placed for one Unit
Kolaghat	1-3	WBPDCCL	PSS tuning planned with DAVR Upgrade (Order placed)
Adhunik	1-2	APNRL	Unit 1 in Next AOH , Unit 2 in Dec 2019

(\*Units need to submit their PSS tuning plan in line with IEGC and CEA standard Regulations to ERLDC/ERPC)

**Annexure-D.1**

**Anticipated Power Supply Position for the month of  
Mar-20**

SL.NO	PARTICULARS	PEAK DEMAND MW	ENERGY MU
1	<b>BIHAR</b>		
	i) NET MAX DEMAND	4700	2860
	ii) NET POWER AVAILABILITY- Own Source (including bilateral)	419	343
	- Central Sector	4366	2180
	iii) SURPLUS(+)/DEFICIT(-)	85	-337
2	<b>JHARKHAND</b>		
	i) NET MAX DEMAND	1360	830
	ii) NET POWER AVAILABILITY- Own Source (including bilateral)	395	162
	- Central Sector	926	477
	iii) SURPLUS(+)/DEFICIT(-)	-39	-191
3	<b>DVC</b>		
	i) NET MAX DEMAND (OWN)	3055	1890
	ii) NET POWER AVAILABILITY- Own Source	5298	3022
	- Central Sector	513	220
	Long term Bi-lateral (Export)	1765	1313
	iii) SURPLUS(+)/DEFICIT(-)	991	38
4	<b>ODISHA</b>		
	i) NET MAX DEMAND	4350	2910
	ii) NET POWER AVAILABILITY- Own Source	3848	1681
	- Central Sector	1626	806
	iii) SURPLUS(+)/DEFICIT(-)	1124	-423
5	<b>WEST BENGAL</b>		
5.1	<b>WBSEDCL</b>		
	i) NET MAX DEMAND (OWN)	7300	3873
	ii) CESC's DRAWAL	0	62
	iii) TOTAL WBSEDCL's DEMAND	7300	3935
	iv) NET POWER AVAILABILITY- Own Source	4701	1942
	- Import from DPL	465	0
	- Central Sector	2503	1195
	v) SURPLUS(+)/DEFICIT(-)	369	-798
	vi) EXPORT (TO B'DESH & SIKKIM)	-445	-786
5.2	<b>DPL</b>		
	i) NET MAX DEMAND	0	205
	ii) NET POWER AVAILABILITY	465	222
	iii) SURPLUS(+)/DEFICIT(-)	465	17
5.3	<b>CESC</b>		
	i) NET MAX DEMAND	1800	972
	ii) NET POWER AVAILABILITY - OWN SOURCE	820	483
	FROM HEL	540	364
	Import Requirement	440	125
	iii) TOTAL AVAILABILITY	1800	972
	iv) SURPLUS(+)/DEFICIT(-)	0	0
6	<b>WEST BENGAL (WBSEDCL+DPL+CESC)</b> <b>(excluding DVC's supply to WBSEDCL's command area)</b>		
	i) NET MAX DEMAND	9100	5050
	ii) NET POWER AVAILABILITY- Own Source	5986	2647
	- Central Sector+Others	3483	1559
	iii) SURPLUS(+)/DEFICIT(-)	369	-845
7	<b>SIKKIM</b>		
	i) NET MAX DEMAND	110	56
	ii) NET POWER AVAILABILITY- Own Source	2	2
	- Central Sector+Others	174	70
	iii) SURPLUS(+)/DEFICIT(-)	66	16
8	<b>EASTERN REGION</b>		
	<b>At 1.03 AS DIVERSITY FACTOR</b>		
	i) <b>NET MAX DEMAND</b>	22015	13596
	Long term Bi-lateral by DVC	1765	1313
	EXPORT BY WBSEDCL	-445	-786
	ii) <b>NET TOTAL POWER AVAILABILITY OF ER</b> <b>(INCLUDING C/S ALLOCATION)</b>	27036	13167
	iii) <b>PEAK SURPLUS(+)/DEFICIT(-) OF ER</b> <b>(ii)-(i)</b>	3701	-957



## Annexure-D2

ERLDC, KOLKATA										
TRANSMISSION ELEMENTS OUTAGE APPROVED IN 166th OCC MEETING OF ERPC										
		FROM		TO						
SI	NAME OF THE ELEMENTS	DATE	TIME	DATE	TIME	REMARKS	S.D availed BY	Reason	SUBJECT TO CONSENT FROM AGENCY	COMMENTS
1	66 KV Gangtok-Bulbulay Line	25/02/20	09:00	25/02/20	14:00	ODB	POWERGRID, ER-II	For Annual AMP Works	SIKKIM	
2	A/R OF 400KV Sundargarh-Raigarh Ckt #2&4	01/03/20	08:00	15/03/20	18:00	OCB	ER-II/Odisha/Sundargarh	For PID Testing of Porcelain Insulator. Only Auto reclose	NLDC	
3	220kV Budhipadar-Korba S/C Line	01/03/20	08:00	10/03/20	18:00	OCB	ER-II/Odisha/Sundargarh	Tower erection and stringing on diversion part for OPGC MGR Railway	NLDC	After revival of 220kV Budhipadar-Korba 1 and 2 Line
4	400 KV Rengali - Talcher # 1 Line (Non-Auto)	01/03/20	08:00	01/03/20	17:00	ODB	ER-II/Odisha/Rengali	For PID Measurement		
5	315 MVA ICT II ROURKELLA	01/03/20	09:00	14/03/20	18:00	OCB	ER-II/ODISHA/ROURKELA	Erection works related to Parallelling of ICTs	GRIDCO	SUBJECT TO ODISHA COSENT
6	400KV Main Bus-II at Baripada	01/03/20	09:00	01/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	GIS Bus Duct and Bus isolator/earthswitch AMP works	GRIDCO	
7	A/R of 400KV Baripada-Kharagpur line	01/03/20	09:00	15/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line		
8	A/R of 400 kV Baripada-Duburi Line	01/03/20	07:00	31/03/20	18:00	ODB	ER-II/Odisha	Line Auto-reclose switch is to be kept in Non-auto mode For stringing of OPGW under "EASTERN REGION FIBRE OPTIC EXPANSION PROJECT (Additional Requirement)"	GRIDCO	
9	A/R of 400 kV Dubur-Pandiabili Line	01/03/20	07:00	31/03/20	18:00	ODB	ER-II/Odisha	Line Auto-reclose switch is to be kept in Non-auto mode For stringing of OPGW under "EASTERN REGION FIBRE OPTIC EXPANSION PROJECT (Additional Requirement)"	GRIDCO	
10	A/R of 765 kV Angul-Srikakulam Ckt 1	01/03/20	07:00	31/03/20	18:00	ODB	ER-II/Odisha	Line Auto-reclose switch is to be kept in Non-auto mode For stringing of OPGW under "EASTERN REGION FIBRE OPTIC EXPANSION PROJECT (Reliable Requirement)"	NLDC	
11	A/R of 400 kV Angul-GMR Ckt 1	01/03/20	07:00	31/03/20	18:00	ODB	ER-II/Odisha	Line Auto-reclose switch is to be kept in Non-auto mode For stringing of OPGW under "EASTERN REGION FIBRE OPTIC EXPANSION PROJECT (Reliable Requirement)"	GRIDCO	
12	A/R of 400 kV Angul-JITPL Ckt 1	01/03/20	07:00	31/03/20	18:00	ODB	ER-II/Odisha	Line Auto-reclose switch is to be kept in Non-auto mode For stringing of OPGW under "EASTERN REGION FIBRE OPTIC EXPANSION PROJECT (Reliable Requirement)"	GRIDCO	
13	A/R of 400k kV Angul-GMR Ckt 2	01/03/20	07:00	10/03/20	18:00	ODB	ER-II/Odisha	Line Auto-reclose switch is to be kept in Non-auto mode For stringing of OPGW under "EASTERN REGION FIBRE OPTIC EXPANSION PROJECT (Reliable Requirement)"	GRIDCO	
14	A/R of 400 kV Angul-JITPL Ckt 2	01/03/20	07:00	10/03/20	18:00	ODB	ER-II/Odisha	Line Auto-reclose switch is to be kept in Non-auto mode For stringing of OPGW under "EASTERN REGION FIBRE OPTIC EXPANSION PROJECT (Reliable Requirement)"	GRIDCO	
15	400 KV Kishanganj -Patna Ckt-2	01/03/20	09:00	15/03/20	18:00	ODB	POWERGRID ER-I	For removal of Aviation Globe From Earth Wire for live line stringing of OPGW.		
16	A/R OF 400 KV Kishanganj -Patna Ckt-1	01/03/20	09:00	15/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
17	400 KV RANCHI-MAITHON(RB)-II	01/03/20	09:30	15/03/20	09:30	ODB	POWERGRID ER-I	To removal of Aviation Globe from earthwire for live line stringing of OPGW wire.		
18	A/R OF 400 KV BIHARSHARIF-BANKA-II	01/03/20	07:00	31/03/20	18:00	ODB	POWERGRID ER-I	OPGW STRINGING WORK		
19	A/R OF 400 KV BIHARSHARIF-KODERMA-II	01/03/20	07:00	31/03/20	18:00	ODB	POWERGRID ER-I	OPGW STRINGING WORK	DVC	
20	A/R OF 400 KV RANCHI-MAITHON(RB)-II	01/03/20	07:00	31/03/20	18:00	ODB	POWERGRID ER-I	OPGW STRINGING WORK		
21	A/R OF 400 KV BARH-MOTIHARI-II( PRESENTLY LINE IS CHARGED AT 400KV BARH-GORAKHPUR-II)	01/03/20	07:00	31/03/20	18:00	ODB	POWERGRID ER-I	OPGW STRINGING WORK	NLDC	
22	A/R OF 400 KV MOTIHARI-GORAKHPUR-II ( PRESENTLY LINE IS CHARGED AT 400KV BARH-GORAKHPUR-II)	01/03/20	07:00	31/03/20	18:00	ODB	POWERGRID ER-I	OPGW STRINGING WORK	NLDC	
23	A/R OF 400 KV PATNA-KISANGANJ-II	01/03/20	07:00	31/03/20	18:00	ODB	POWERGRID ER-I	OPGW STRINGING WORK		
24	400 KV Haldia Subhasgram Line-2	01/03/20	05:30	01/03/20	10:00	ODB	WB	MAINTENANCE WORK		
25	400 KV Haldia Subhasgram Line-1	01/03/20	11:30	01/03/20	15:30	ODB	WB	MAINTENANCE WORK		
26	400KV OldPPSP-Durgapur Ckt-1	01/03/20	07:00	02/03/20	15:00	ODB	WB	MAINTENANCE WORK		
27	Arambag- NewPPSP 400 KV Fdr-1	01/03/20	07:00	01/03/20	15:00	ODB	WB	MAINTENANCE WORK		
28	400KV Rangpo-Teesta-V Ckt-1	01/03/20	09:00	01/03/20	18:00	ODB	POWERGRID, ER-II	AMP Works	TEESTA-V	



29	400KV Rangpo-Teesta-V Ckt-2	01/03/20	08:00	31/03/20	18:00	OCB	POWERGRID, ER-II	For Reconducting work of 400 KV Rangpo-Binaguri-I in multi-circuit portion (M/C:- 8-14 to Gantry). Upgradation of Main & Tie bay of Rangpo Line#1 & 2 at Binaguri end	TEESTA-V	SUBJECT TO NHPC CONSENT
30	400KV RANGPO-BINAGURI D/C I & II LINE	01/03/20	08:00	31/03/20	18:00	OCB	POWERGRID, ER-II	For Reconducting work		
31	400KV BINAGURI-BONGAIGAON-1	01/03/20	10:00	02/03/20	15:00	ODB	POWERGRID, ER-II	Bay upgradation work at Binaguri	NLDC	May be clubbed with Jigmelling line crossing work
32	A/R in non-auto mode in 400KV Teestalli-Kishanganj-I	01/03/20	07:00	31/03/20	17:00	ODB	POWERGRID, ER-II	For OPGW installation Work		
33	A/R in non-auto mode in 220KV Binaguri-Siliguri-I & II	01/03/20	07:00	15/03/20	17:00	ODB	POWERGRID, ER-II	For OPGW installation Work		
34	400KV HALDIA-SUBHASGRAM-2	01/03/20	05:30	01/03/20	10:00	ODB	WB	OPGW WORK		
35	400KV KH-BANKA-1	01/03/20	09:00	02/03/20	18:00	OCB	KHSTPP	BAY MAINTENANCE AND TESTING		
36	400kv Main bay of 400/220kv 315MVA ICT 3 at Biharsharif	01-03-2020	10:00	01-03-2020	18:00	ODB	POWERGRID ER-I	AMP WORK		
37	400KV Main of Varanasi -I along with its reactor bay at Biharsharif	01-03-2020	09:30	01-03-2020	13:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
38	400KV Tie bay of Varanasi -1 and Furure bay at Biharsharif	01-03-2020	14:00	01-03-2020	18:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
39	80MVAR BR-I at Keonjhar	02/03/20	09:00	02/03/20	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS. Shutdown shall be taken if not availed in Feb'2020		
40	315MVA, ICT-2 at Balangir	02/03/20	09:00 Hrs	09/03/20	18:00 Hrs	OCB	ER-II/Odisha/Balangir	Internal inspection and Bushings lead connection checking due to rise in fault gases.	GRIDCO	
41	765kv Angul-Srikakulam Line-1	02/03/20	07:00	03/03/2020	18:00	ODB	ER-II/Odisha/Nyg&Bmp TLAM	AMP Work	NLDC	May be availed in Last week of April, SRPC consent required
42	ICT-I (3x 105 MVA) at Jeypore	02/03/20	08:00:00	02/03/20	18:00:00	ODB	ER-II/Odisha /Jeypore	For changing ICT-I combination form Unit-I,II, IV to Unit-I , III & IV for charging Unit-III & Retrofitting works of Overcurrent, REF, Earth Fault Relay	GRIDCO	
43	400 KV Rengali-Keonjhar Line	02/03/20	08:00	02/03/20	20:00	ODB	ER-II/Odisha/Rengali	Relay Retrofitting		
44	400 KV Rourkela-SUNDARGARH#1 LINE	02/03/20	10:30	02/03/20	13:00	ODB	ER-II/ODISHA/ROURKELA	FOR TAKING THE LINE REACTOR OUT OF SERVICE FOR GASKET REPLACEMENT & OVERHAULING WORKS TO ARREST OIL LEAKAGES		
45	63 MVAR, 400 KV SUNDARGARH#1 LINE REACTOR	02/03/20	09:30	18/03/20	18:00	OCB	ER-II/ODISHA/ROURKELA	GASKET REPLACEMENT & OVERHAULING WORKS TO ARREST OIL LEAKAGES	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN
46	765KV Angul-Srikakulam ckt-1 LR	02/03/20	09:00	02/03/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP Work	NLDC	
47	63 MVAR DUBURI LINE REACTOR	02/03/20	09:00	02/03/20	17:30	ODB	ER-II/Odisha/BARI PADA S/S	AMP works	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN
48	220 KV Muzafferpur -Hazipur ckt 1	02/03/20	09:00	06/03/20	17:00	ODB	BSPTCL	Line maintenance work	Hajipur will avail power from alternate ckt	
49	765 KV GAYA-BALIA-S/C	02/03/20	09:00	08/03/20	18:00	ODB	ER-I	FOR STRENGTHENING OF 765 KV LINE TOWER	NLDC	
50	220/132KV 160 MVA ICT-1 AT PURNEA	02/03/20	09:00	02/03/20	17:00	ODB	POWERGRID ER-I	132 ICT #1 BAY (108) AMP WORKS	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
51	400 KV KAHALGAON LAKHISRAI CKT 2	02/03/20	09:00	02/03/20	17:30	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings		
52	A/R OF 400KV KAHALGAON LAKHISRAI CKT 1	02/03/20	09:00	02/03/20	17:30	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
53	A/R OF 765KV Pusauli-Fatehpur Line	02/03/20	9:00	29/03/20	18:00	ODB	POWERGRID ER-1	Tower Strengthing work BY ER-1	NLDC	
54	400KV Maithon - Gaya-I	02/03/20	08:00	04/03/20	18:00	ODB	POWERGRID ER-I	For changing porcelain insulator by polymer insulator.		
55	A/R of 400KV Maithon - Gaya-II	02/03/20	08:00	04/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
56	400kv Koderma - Biarsarif-II	02/03/20	08:00	04/03/20	18:00	ODB	POWERGRID ER-I	For changing porcelain insulator by polymer insulator.	DVC	
57	A/R of 400kv Koderma - Biarsarif-I	02/03/20	08:00	04/04/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	DVC	
58	400 Kv Kahalgaoon-Lakhisarai-I	02/03/20	09:30	02/03/20	17:30	ODB	POWERGRID ER-1	Retrofitting of PLCC		
59	A/R of 400 Kv Kahalgaoon-Lakhisarai-II	02/03/20	09:30	02/03/20	17:30	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
60	765KV Bus-1 NEW RANCHI	02/03/20	09:00	03/03/20	17:30	ODB	POWERGRID ER-1	For construction of 765KV Medinipur bay at NRNC	NLDC	
61	400 kv Patna Barh 2 Line	02/03/20	09:00	02/03/20	18:00	ODB	POWERGRID ER-I	Upcoming 125 MVAR Barh 2 Line Reactor Isolator Jumper connection with line,LBB testing for Reactor CB		

62	A/R OF 400 kV Patna Barh 1 Line	02/03/20	09:00	02/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
63	400 KV Haldia Subhasgram Line-1	02/03/20	05:30	02/03/20	13:00	ODB	WB	MAINTENANCE WORK		
64	220 KV Jeerat-Rajarhat I	02/03/20	07:00	02/03/20	15:00	ODB	WB	MAINTENANCE WORK		
65	Arambag- NewPPSP 400 KV Fdr-2	02/03/20	07:00	02/03/20	15:00	ODB	WB	MAINTENANCE WORK		
66	31.5 MVAR Bus Reactor I at New Mellii	02/03/20	08:00	02/03/20	18:00	ODB	POWERGRID, ER-II	AMP works		
67	220kV S/C Birpara-Malbase TL	02/03/20	08:00	18/03/20	17:00	OCB Basis	POWERGRID, ER-II	Re-routing of Loc No.-57 which got vulnerbale due to change in course of River Torsa.The work involves construction of 4 Nos. new Foundation,4 Nos. tower erection & 1.5 KM Stringing.The work needs to be completed on top priority as the location is in very vulnerbale condition and if not completed may lead to tower collapse during upcoming monsoon.	NLDC	
68	315MVA ICT#1 at Subhasgram	02/03/20	08:00	02/03/20	17:30	ODB	POWERGRID, ER-II	Rectification of low oil level in prismatic guage & Retrofitting of REF Relay	WB	
69	400 KV Maithon-Durgapur Ckt-I & II	02/03/20	08:00	05/03/20	18:00	ODB	POWERGRID, ER-II	Fixing of pilot string and rectification of missing member in top section and liquidation of shutdown nature defects. Ckt wise shut-down shall be taken on alternate day basis.		
70	50 MVAR BR-1 MPL	02/03/20	08:00	09/03/20	18:00	OCB	MPL	OIL FILTRATION AND TESTING WORK		
71	407 Main Bay of 400KV Sundargarh-Raigarh ckt-1	02-03-2020	09:00	02-03-2020	18:00	ODB	ER-II/Odisha/Sundergarh	SS AMP		
72	765KV Sundargarh Ckt 4 Tie Bay 719	02-03-2020	09:00	05-03-2020	18:00	OCB	ER-II/Odisha/Angul SS	AMP Work & SF6 leakage attend	NLDC	
73	400KV Main Bay of 765 /400kv 1500MVA ICT -I (404) at Gaya	02-03-2020	09:00	02-03-2020	18:00	ODB	POWERGRID ER-I	For AMP work		
74	400KV Main bay of Varanasi -2 along with its reactor at Biharsharif	02-03-2020	09:30	02-03-2020	13:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
75	400kv Tie bay of Varansi -2 and Furure bay at Biharsharif	02-03-2020	14:00	02-03-2020	18:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
76	Main Bay of 400kV Muzaffarpur-1 (409-52) at New Purnea	02-03-2020	10:00	02-03-2020	18:00	ODB	POWERGRID ER-I	AMP WORKS		
77	400KV RANCHI-MAITHAN (RB)-1 & FUTURE TIE BAY (408) AT RANCHI	02-03-2020	9:30	02-03-2020	17:00	ODB	POWERGRID ER-I	AMP		
78	202 Bay (220KV TBC-1 bay ) at Durgapur	02-03-2020	07:12	02-03-2020	07:12	ODB	POWERGRID, ER-II	AMP works	201, 204 main bay of ICT-1 & DVC-II shall remain in service.	
79	765KV Sundargarh-Angul Ckt #3	03/03/20	08:00	06/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TP Tower Maintenance work	NLDC	NLDC RECOMMENDED ODB
80	315MVA ICT # II at Jeypore	03/03/20	08:00:00	03/03/20	18:00:00	ODB	ER-II/Odisha /Jeypore	AMP of ICT # II and Retrofitting works of Overcurrent, REF, Earth Fault Relay	GRIDCO	
81	400kV Bus 1 at Biharsharif	03/03/20	09:30	07/03/20	18:00	ODB	POWERGRID ER-I	Upgradation of Busbar Scheme under project head	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDV
82	220KV Kishanganj- Siliguri -I	03/03/20	09:00	03/03/20	18:00	ODB	POWERGRID ER-I	For replacement of LA Surge Counter & AMP of GIS Bay 201 ; Requested by ER1		
83	400KV 63Mvar Switchable L/R of Allahabad at Sasaram	03/03/20	9:00	06/03/20	18:00	OCB	POWERGRID ER-1	Overhauling of CWL29Q50-Y phase Pole		
84	400 Kv Ranchi- RAGHUNATHPUR-1	03/03/20	09:00	03/03/20	17:00	ODB	POWERGRID ER-I	For flashover insulator string replacement at Loc-235, Y-phase(top),Loc-200,Y-phase(top)	DVC	
85	A/R of 400 Kv Ranchi-Maithon-S/C	03/03/20	09:00	03/03/20	17:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
86	400 KV Muzaffarpur- New Purnea line-1	03/03/20	9:30	03/03/20	17:30	ODB	POWERGRID ER-1	LINE BAY AMP WORK at Muzaffarpur		
87	400KV OldPPSP-Durgapur Ckt-2	03/03/20	07:00	04/03/20	15:00	ODB	WB	MAINTENANCE WORK		
88	220 KV Jeerat-Rajarhat II	03/03/20	07:00	03/03/20	15:00	ODB	WB	MAINTENANCE WORK		
89	Arambag-BKTPP 400 KV Fdr	03/03/20	07:00	03/03/20	15:00	ODB	WB	MAINTENANCE WORK		
90	BKTPP: 400/220KV 315MVA IBT#2	03/03/20	07:00	03/03/20	15:00	ODB	WB	MAINTENANCE WORK		
91	125MVAR BR- I at Alipurduar	03/03/20	06:00	06/03/20	17:00	OCB	POWERGRID, ER-II	Oil leakage (from PRD & Main tank joint ) and Air Cell rectification		
92	220KV/132KV ICT-IV at Malda	03/03/20	08:00	03/03/20	17:00	ODB	POWERGRID, ER-II	Implementation of NIFS system	WB	NON WB HS EXAM DATES MAY BE PROPOSED
93	400/220 KV 315 MVA ICT-3 at Malda	03/03/20	08:00	03/05/20	17:00	OCB	POWERGRID, ER-II	ERSS-XVII-B Constructional work	WB	TO BE DISCUSSED IN MARCH OCC MEETING
94	31.5 MVAR Bus Reactor II at New Mellii	03/03/20	08:00	03/03/20	18:00	ODB	POWERGRID, ER-II	AMP works		

95	315MVA ICT#2 at Subhasgram	03/03/20	08:00	03/03/20	17:30	ODB	POWERGRID, ER-II	Rectification of low oil level in prismatic guage & Retrofitting of REF Relay	WB	
96	400KV Teestall-Kishanganj-I	03/03/20	07:00	04/03/20	17:00	ODB	POWERGRID, ER-II	For OPGW installation Work due to presence of aviation globule in drum no-41 (Loc. No 266 to Loc. No 270)		
97	315 MVA ICT-1 at Durgapur	03/03/20	08:00	03/03/20	18:00	ODB	POWERGRID, ER-II	AMP works	DVC	
98	400 kV Meramundali - Lapanga Ckt-I	03/03/20	07:00	03/03/20	17:00	ODB	OPTCL	AMP WORK		
99	400KV KH-BANKA-2	03/03/20	09:00	04/03/20	18:00	OCB	KHSTPP	BAY MAINTENANCE AND TESTING		
100	400KV BARH-PATNA-1	03/03/20	09:30	04/03/20	18:00	OCB	BARH	SCADA, A/R, BAY EQUIPMENT TESTING AND AMP		
101	400KV 40304 BAY AMP	03-03-2020	09:00	03-03-2020	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS		
102	Rengali Main Bay (403)	03-03-2020	09:00	03-03-2020	18:00	ODB	ER-II/Odisha/Indravati	AMP works of Rengali Main Bay (403). Power flow will be Interrupted in 400KV Indravati-UIHEP Line Due to temporary shutdown of UIHEP Main bay(412) at Indravati.		
103	408 Tie Bay of 400KV Sundargarh-Raigarh ckt-1	03-03-2020	09:00	03-03-2020	18:00	ODB	ER-II/Odisha/Sundergarh	SS AMP		
104	400 KV 403 main bay of 315MVA ICT#1	03-03-2020	09:00	03-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
105	Tie Bay of 400 kV Northkarpura-Gaya Ckt-II & 400 kV ICT-III (429) at Gaya	03-03-2020	09:00	03-03-2020	18:00	ODB	POWERGRID ER-I	For AMP work		
106	400kv Main bay of 80MVAR B/R 2 at Biharshariff	03-03-2020	10:00	03-03-2020	18:00	ODB	POWERGRID ER-I	AMP WORK		
107	400KV Main bay OF 125MVAR Bus reactor -3 at Biharsharif	03-03-2020	14:00	03-03-2020	18:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
108	Main Bay of 400kv Kishanganj-1 (410-52) at New Purnea	03-03-2020	10:00	03-03-2020	18:00	ODB	POWERGRID ER-1	AMP WORKS		
109	400KV RANCHI-MAITHAN (RB)-2 MAIN BAY (410) AT RANCHI	03-03-2020	9:30	03-03-2020	17:00	ODB	POWERGRID ER-1	AMP		
110	400kv Main bay of 400/220kv 500MVA ICT-3 at Patna	03-03-2020	10:00	03-03-2020	18:00	ODB	POWERGRID ER-I	AMP		
111	400KV BUS-I at keonjhar	04/03/20	09:00	04/03/20	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS	GRIDCO	
112	765kv Angul-Srikakulam Line-2	04/03/20	07:00	05/03/2020	18:00	ODB	ER-II/Odisha/Nyg&Bmp TLAM	AMP Work	NLDC	May be availed in Last week of April, SRPC consent required
113	COUP Transformer (3x 166.7 MVA) at Jeypore	04/03/20	10:00:00	04/03/20	13:00:00	ODB	ER-II/Odisha /Jeypore	For changing Coup. Transformer combination form Unit-I,II, IV to Unit-I , III & IV for charging Unit-III	GRIDCO	
114	765kv Angul-Srikakulam ckt-2 LR	04/03/20	09:00	04/03/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP Work	NLDC	
115	220/132kv, 150MVA ATR-I at Ramgarh, DVC	04/03/20	09:30	04/03/20	16:30	ODB	DVC	For taking the said ATR into new CRP with SAS		
116	220/132KV 160 MVA ICT-2 AT PURNEA	04/03/20	09:00	04/03/20	17:00	ODB	POWERGRID ER-I	132 KV ICT #2 BAY (104)AMP WORKS	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
117	400KV 50MVAR SWITCHABLE L/R OF Lakhisarai 2 at Biharsharif	04/03/20	10:00	05/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
118	400KV Bus sectionalizer of Bus-1 & 3 at Biharsharif	04/03/20	14:00	04/03/20	18:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
119	400KV KAHALGAON FARAKKA CKT 3	04/03/20	09:00	04/03/20	17:30	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings		
120	A/R OF 400KV KAHALGAON FARAKKA CKT 4	04/03/20	09:00	04/03/20	17:30	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
121	220KV Kishanganj- Siliguri -II	04/03/20	08:00	04/03/20	18:00	ODB	POWERGRID ER-I	For replacement of LA Surge Counter & AMP of GIS Bay 203 ; Requested by ER1		
122	400 kv Ranchi Sipat-2	04/03/20	9:30	04/03/20	17:00	ODB	POWERGRID ER-1	TWFL relay installation AND FSC CAPTHOR REPLACEMENT WORK	NLDC	THE LINE REACTOR SHUTDOWN SHALL BE CLUBBED
123	A/R OF 400 kv Ranchi Sipat-1	04/03/20	9:30	04/03/20	17:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	NLDC	
124	400 Kv Kahalgaon-Lakhisarai-II	04/03/20	09:30	04/03/20	17:30	ODB	POWERGRID ER-1	Retrofitting of PLCC		
125	A/R of 400 Kv Kahalgaon-Lakhisarai-I	04/03/20	09:30	04/03/20	17:30	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
126	765KV Bus-2 NEW RANCHI	04/03/20	09:00	05/03/20	17:30	ODB	POWERGRID ER-1	For construction of 765KV Medinipur bay at NRNC	NLDC	
127	400 kV NEW RANCHI-CHANDWA-I & II	04/03/20	09:00	05/03/20	17:00	ODB	POWERGRID ER-I	Overhead powerline crossing of 400 KV ESSAR-Latehar T/L and 400 KV Patratu-Latehar T/L	NLDC	ONE CKT AT A TIME MAY BE ALLOWED SHUTDOWN
128	400 KV Muzaffarpur- New Purnea line-2	04/03/20	9:30	04/03/20	17:30	ODB	POWERGRID ER-1	LINE BAY AMP WORK at Muzaffarpur		
129	Jeerat: 400/220 KV 315 MVA Trafo 1	04/03/20	07:00	04/03/20	15:00	ODB	WB	MAINTENANCE WORK		
130	Arambag-New Chandidola 400 KV Fdr	04/03/20	07:00	04/03/20	15:00	ODB	WB	MAINTENANCE WORK		
131	400kv Berhampore-Sagardighi-1	04/03/20	09:00	04/03/20	17:00	OCB	POWERGRID, ER-II	For Line Construction work of Bheramara-3&4	WB	
132	400 KV FARAKKA-DURGAPUR-I	04/03/20	09:00	04/03/20	17:00	ODB	POWERGRID, ER-II	Rectification of shut down nature defects in various locations in Transmission line.		
133	400kv Farakka-Berhampore Ckt-I	04/03/20	08:00	05/03/20	17:00	ODB	POWERGRID, ER-II	Replacement of damaged insulators at Loc No.- 4,8,9,11,59,81,153,176,211		
134	315MVA ICT#3 at Subhasgram	04/03/20	08:00	04/03/20	17:30	ODB	POWERGRID, ER-II	Rectification of low oil level in prismatic guage.	WB	

135	400 KV CHAIBASA#1 LINE	04/03/20	09:30	04/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
136	410 Main bay of 400KV Sundargarh-Rourkela ckt-1	04-03-2020	09:00	04-03-2020	18:00	ODB	ER-II/Odisha/Sundergarh	SS AMP		
137	400 KV ICT # 1 Main Bay (Bay No-407)	04-03-2020	09:00	04-03-2020	17:00	ODB	ER-II/Odisha/Rengali	AMP Work		
138	40552- Tie Bay of Kharagpur line & 315MVA ICT II	04-03-2020	09:00	04-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
139	400 kv Mendhasal -Pandiabili-1 main bay at Mendhasal sub-station.	04-03-2020	09:00:00	04-03-2020	18:00:00	ODB	ER-II/Odisha/ Pandiabili GIS	DCRM of main bay.		
140	Tie Bay of 400 kV Chandwa-Gaya Ckt -II (417 ) at Gaya	04-03-2020	09:00	04-03-2020	18:00	ODB	POWERGRID ER-I	For AMP work		
141	400kV Kishanganj-1 & Muzaaffarpur-2 Tie Bay (408-52) at New Purnea	04-03-2020	10:00	04-03-2020	18:00	ODB	POWERGRID ER-I	CB, CT AMP work		
142	400KV BUS-II at keonjhar	05/03/20	09:00	05/03/20	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS	GRIDCO	
143	125 MVAR Bus Reactor	05/03/20	09:00	05/03/20	18:00	ODB	ER-II/Odisha /Jeyapore	AMP of 125 MVAR Bus Reactor		
144	400 KV Rourkela-SUNDARGARH#1 LINE	05/03/20	09:00	05/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	FOR DISMANTALING OF REACTOR BUSHINGS (SHUTDOWN BEING AVAILED AS CLEARANCE IS LESS) & LINE MAINTENANCE		
145	132 KV Banka(PG)-Sabour D/C T/L line	05/03/20	09:00	05/03/20	14:00	OCB	BSPTCL	for stringing work in 132KV Sabour sultangnaj LILO to jagdishpur line between (Ap 23/0- Ap24/0).	1.Sabour will avail power from Goradih(GIS) 2.No load restriction	
146	132 KV Rajgir-Barhi S/C T/L	05/03/20	08:00	05/03/20	16:00	ODB	BSPTCL	Relay test work	Consent from SLDC DVC will be required.	
147	132 KV Nalanda-Barhi S/C T/L	05/03/20	08:00	05/03/20	16:00	ODB	BSPTCL	For tower top patrolling and maintenance work	Consent from SLDC DVC will be required.	
148	220 KV Kishanganj(PG)-Kishanganj ckt 1	05/03/20	09:00	05/03/20	14:00	ODB	BSPTCL	For stringing work during capacity augmentation work	Kishanganj(New) will be powerless	
149	220 KV Kishanganj(PG)-Kishanganj ckt 2	05/03/20	09:00	05/03/20	14:00	ODB	BSPTCL	For stringing work during capacity augmentation work	Kishanganj(New) will be powerless	
150	220 KV Kishanganj(PG)-Kishanganj ckt 3	05/03/20	09:00	05/03/20	14:00	ODB	BSPTCL	For stringing work during capacity augmentation work	Kishanganj(New) will be powerless	
151	220 KV Kishanganj(PG)-Kishanganj ckt 4	05/03/20	09:00	05/03/20	14:00	ODB	BSPTCL	For stringing work during capacity augmentation work	Kishanganj(New) will be powerless	
152	220 KV Dehri-Pushauli(PG) S/C T/L	05/03/20	09:00	05/03/20	17:00	ODB	BSPTCL	220 KV Main Bus maintenance work	Dehri will powerless	
153	220 KV Gaya(PG)-Dehri ckt1	05/03/20	09:00	05/03/20	17:00	ODB	BSPTCL	220 KV Main Bus maintenance work	Dehri will powerless	
154	220 KV Gaya(PG)-Dehri ckt2	05/03/20	09:00	05/03/20	17:00	ODB	BSPTCL	220 KV Main Bus maintenance work	Dehri will powerless	
155	132kv Bettiah-Narkatiyaganj- Ramnagar trans line	05/03/20	10:00	05/03/20	16:00	ODB	BSPTCL	for the work of wave trap erection at Bettiah end	Consent from Nepal will be required.	
156	400KV 50MVAR SWITACHABLE L/R OF PURNEA-2 at BiharSharif	05/03/20	10:00	05/03/20	18:00	ODB	POWERGRID ER-I	AMP Work		
157	400KV BIHARSHARIF-MUZAFFARPUR CKT-I	05/03/20	08:00	05/03/20	18:00	ODB	POWERGRID ER-I	Replacement of Insulator at Loc. No. 63 (DA+0)		
158	A/R OF 400KV BIHARSHARIF-MUZAFFARPUR CKT-II	05/03/20	08:00	05/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
159	400KV Bus sectionalizer of Bus-2& 4 at BiharSharif	05/03/20	09:30	05/03/20	13:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
160	400 kv Ranchi Sipat-1	05/03/20	9:30	05/03/20	17:00	ODB	POWERGRID ER-1	FSC CAPTHOR REPLACEMENT WORK	NLDC	
161	A/R OF 400 kv Ranchi Sipat-2	05/03/20	9:30	05/03/20	17:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	NLDC	
162	400 Kv Ranchi-Maithon-S/C	05/03/20	09:00	05/03/20	17:00	ODB	POWERGRID ER-I	For flashover insulator string replacement at Loc-239, R-phase(top)		
163	A/R of 400 KV Ranchi- RAGHUNATHPUR-1	05/03/20	09:00	05/03/20	17:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	DVC	
164	400KV Maithon - Gaya-II	05/03/20	08:00	07/03/20	18:00	ODB	POWERGRID ER-I	For changing porcelain insulator by polymer insulator.		
165	A/R of 400KV Maithon - Gaya-I	05/03/20	08:00	07/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
166	50 MVAR line reactor of Daltonganj Sasaram -I	05/03/20	09:00	05/03/20	17:30	ODB	POWERGRID ER-1	Non switchable Line Reactor AMP work at Daltanganj	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN
167	400KV DALTONGANJ-SASARAM CKT-1	05/03/20	09:00	05/03/20	09:15	ODB	POWERGRID ER-1	To facilitate the shutdown of the line reactor		
168	400KV DALTONGANJ-SASARAM CKT-1	05/03/20	17:15	05/03/20	17:30	ODB	POWERGRID ER-1	To facilitate taking line reactor into service		
169	220KV TSTPS Meramunduli circuit 1	05/03/20	08:00	06/03/20	18:00	OCB	TSTPP	For commissioning of Auto reclosure and AMP jobs	GRIDCO	
170	400KV New PPSP-Adambag Ckt-1	05/03/20	07:00	06/03/20	15:00	ODB	WB	MAINTENANCE WORK		
171	Jeerat: 400/220 KV 315 MVA Trafo 2	05/03/20	07:00	05/03/20	15:00	ODB	WB	MAINTENANCE WORK		
172	Arambag-KTPP 400 KV Fdr	05/03/20	07:00	05/03/20	15:00	ODB	WB	MAINTENANCE WORK		
173	400kV Berhampore-Sagardighi-2	05/03/20	09:00	05/03/20	17:00	ODB	POWERGRID, ER-II	For Line Construction work of Bheramara-3&4	WB	
174	400KV BINAGURI-Kishanganj-1	05/03/20	10:00	05/03/20	15:00	ODB	POWERGRID, ER-II	Replacement and retrofitting distance relay		
175	220KV Dalkhola(POWERGRID)-Dalkhola(WB)-II	05/03/20	09:00	05/03/20	17:00	ODB	POWERGRID, ER-II	For AMP	WB	

176	220KV/132KV ICT-I at Malda	05/03/20	08:00	05/03/20	17:00	ODB	POWERGRID, ER-II	AMP Work	WB	NON WB HS EXAM DATES MAY BE PROPOSED
177	220KV New Melli - Tashiding Line	05/03/20	08:00	05/03/20	17:00	ODB	POWERGRID, ER-II	AMP works	TASHIDING	
178	315MVA ICT#4 at Subhasgram	05/03/20	08:00	05/03/20	17:30	ODB	POWERGRID, ER-II	Rectification of low oil level in prismatic guage.	WB	
179	400KV Rangpo-Kishanganj-I	05/03/20	07:00	07/03/20	17:00	ODB	POWERGRID, ER-II	For OPGW installation Work due to presence of aviation globule in drum no-41 (Loc. No 266 to Loc. No 270)		
180	125 MVAR BR-IV at Durgapur	05/03/20	08:00	05/03/20	00:00	ODB	POWERGRID, ER-II	AMP works	BR-I,II & III shall remains in service	
181	400KV Binaguri-Purnea ckt-1	05/03/20	08:00	14/03/20	17:00	ODB	POWERGRID, ER-II	Replacement of porcelain insulators with CLR in sections of line near to Brick Klin in LILO portion of Binaguri-Purnea TL	ckt wise S/D shall be taken on alternate day basis.	
182	400KV Binaguri-Purnea ckt-2	05/03/20	08:00	14/03/20	17:00	ODB	POWERGRID, ER-II	Replacement of porcelain insulators with CLR in sections of line near to Brick Klin in LILO portion of Binaguri-Purnea TL	ckt wise S/D shall be taken on alternate day basis.	
183	411 Tie bay of 400KV Sundargarh-Rourkela ckt-1	05-03-2020	09:00	05-03-2020	18:00	ODB	ER-II/Odisha/Sundargarh	SS AMP		
184	20352- 220KV Bus Coupler Bay	05-03-2020	09:00	05-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
185	400 kv Mendhasal -Pandiabili-2 main bay at Mendhasal sub-station.	05-03-2020	09:00:00	05-03-2020	18:00:00	ODB	ER-II/Odisha/ Pandiabili GIS	DCRM of main bay.		
186	Main Bay of 400 kV Chandwa-Gaya Ckt -II (418) at Gaya	05-03-2020	09:00	05-03-2020	18:00	ODB	POWERGRID ER-I	For AMP work		
187	400kV Kishanganj-1 Main Bay (407-52) at New Purnea	05-03-2020	10:00	05-03-2020	13:00	ODB	POWERGRID ER-I	CT AMP work		
188	400KV Main bay Barh 2 at Patna	05-03-2020	09:00	06-03-2020	18:00	OCB	POWERGRID ER-I	BCU updration works under SS03 package		
189	50MVAR Line Reactor Indravati	06/03/20	09:00	06/03/20	18:00	ODB	ER-II/Odisha /Indravati	For Arresting Oil Leakage from Turret CT Line Reactor .The Line reactor is not a Switchable One , for Which the Power Flow In the Indravati-Rengali Line will be Interrupt.	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN
190	400 KV BUS-II at Rourkela	06/03/20	09:00	06/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS	GRIDCO	
191	220/132kv, 150MVA ATR-II at Ramgarh, DVC	06/03/20	09:30	06/03/20	16:30	ODB	DVC	For taking the said ATR into new CRP with SAS		
192	220/132KV 160 MVA ICT-3 AT PURNEA	06/03/20	09:00	06/03/20	17:00	ODB	POWERGRID ER-I	132 KV ICT #3 BAY(107) AMP WORKS	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
193	400KV BIHARSHARIF- MUZAFFARPUR CKT-II	06/03/20	08:00	07/03/20	18:00	ODB	POWERGRID ER-I	Replacement of porcelain insulators on road/rail crossing by polymer insulator		
194	A/R OF 400KV BIHARSHARIF- MUZAFFARPUR CKT-I	06/03/20	08:00	07/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
195	400KV Sasaram- Biharsharif-II	06/03/20	10:00	06/03/20	18:00	ODB	POWERGRID ER-I	Replacement of porcelain insulators on road/rail crossing by polymer insulator		
196	A/R OF 400KV Sasaram- Biharsharif-I	06/03/20	10:00	06/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
197	400KV 63MVAR SWITCHABLE L/R OF Sasaram 1 at BiharSharif	06/03/20	10:00	07/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
198	400kv 63 MVAR Swithable L/R of Muzaffarpur-2 at New Purnea	06/03/20	10:00	06/03/20	18:00	ODB	POWERGRID ER-1	CB, CT & Reactor AMP work		
199	400 KV Pusauli Allahabd Line	06/03/20	9:00	11/03/20	18:00	ODB	POWERGRID ER-1	Replacement of insulators at Road/Rail/River/Power Line Crossings and Relay Retrofitting	NLDC	
200	A/R OF 400 KV Pusauli-Varanasi Line	06/03/20	9:00	11/03/20	18:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	NLDC	
201	400KV CHAIBASA -KGP 2 LINE	06/03/20	09:30	06/03/20	17:30	ODB	POWERGRID ER-1	Top up of transformer Oil in 63 Mvar Line reactor.	WB	
202	765KV 240MVAR L/R OF DHARAMJAIGARH-II AT NEW RANCHI	06/03/20	09:00	07/03/20	17:30	ODB	POWERGRID ER-1	For construction of 765KV Medinipur bay at NRNC	NLDC	
203	400kv Jamshedpur - Baripada line	06/03/20	09:30	06/03/20	17:30	ODB	POWERGRID ER-I	Replacement of damaged insulators by miscreants at Loc no 215, 216, 217, 220		
204	A/R OF 400kv Tisco - Baripada line	06/03/20	09:30	06/03/20	17:30	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	DVC	
205	Jeerat: 400/220 KV 315 MVA Trafo 3	06/03/20	07:00	06/03/20	15:00	ODB	WB	MAINTENANCE WORK		
206	400KV Rangpo-Teesta-V Ckt-2	06/03/20	09:00	06/03/20	18:00	ODB	POWERGRID, ER-II	AMP Works	TEESTA-V	
207	400kv Bus-1 at Baharampore	06/03/20	09:00	06/03/20	17:00	ODB	POWERGRID, ER-II	For Bheramara-3&4 Bay Extension work	NLDC	
208	400KV BINAGURI-Kishanganj-1	06/03/20	10:00	06/03/20	15:00	ODB	POWERGRID, ER-II	Replacement and retrofitting of auto-reclose relay		
209	400kv Farakka-Berhampore Ckt-II	06/03/20	08:00	07/03/20	17:00	ODB	POWERGRID, ER-II	Replacement of damaged insulators at Loc No.- 4,8,9,11,59,81,153,176,212		
210	125MVAR BUS REACTOR at Subhasgram	06/03/20	08:00	06/03/20	17:30	ODB	POWERGRID, ER-II	Rectification of low oil level in prismatic guage.		
211	125 MVAR BR-III at Durgapur	06/03/20	08:00	06/03/20	00:00	ODB	POWERGRID, ER-II	AMP works	BR-I ,II & IV shall remains in service.	

212	202 MAIN BAY	06-03-2020	09:00	06-03-2020	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS		
213	701 Main bay of 765KV, 240 MVAR BR-I	06-03-2020	08:30	06-03-2020	18:30	ODB	ER-II/Odisha/Sundergarh	SS AMP	NLDC	
214	400 KV Indravati Line Main Bay (Bay No-412)	06-03-2020	09:00	06-03-2020	17:00	ODB	ER-II/Odisha/Rengali	AMP Work		
215	765KV Sundargarh Ckt 4 Main Bay 720	06-03-2020	09:00	07-03-2020	18:00	OCB	ER-II/Odisha/Angul SS	AMP Work & SF6 leakage attend	NLDC	
216	41652-Future Line Bay GIS	06-03-2020	09:00	06-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
217	400 KV tie bay of Mendhasal-Pandiabili -1 & Mendhasal Pandiabili -2 at Mendhasal sub-station.	06-03-2020	09:00:00	06-03-2020	18:00:00	ODB	ER-II/Odisha/ Pandiabili GIS	DCRM of tie bay.		
218	Main Bay of 400 kV ICT-II (425) at Gaya	06-03-2020	09:00	06-03-2020	18:00	ODB	POWERGRID ER-I	For AMP work		
219	400KV NEW RANCHI-3 MAIN BAY (433) AT RANCHI	06-03-2020	9:30	06-03-2020	17:00	ODB	POWERGRID ER-I	AMP		
220	765KV Sundargarh-Angul Ckt #4	07/03/20	08:00	10/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TP Tower Maintenance work	NLDC	NLDC RECOMMENDED ODB
221	400KV Baripada-Duburi Line	07/03/20	09:00	08/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Replacement of porcelain insulator into polymer insulator in Tr. line for NH crossing.		
222	400KV 63Mvar Switchable L/R of Varanasi( eas side) at Sasaram	07/03/20	9:00	10/03/20	18:00	OCB	POWERGRID ER-1	Overhauling of CWL39Q50-Y phase Pole		
223	400 Kv Ranchi- RAGHUNATHPUR-1 TL	07/03/20	9:00	07/03/20	17:00	ODB	POWERGRID ER-1	FLASHED INSULATOR CHANGE AT LOC 296, 389	DVC	
224	A/R of 400 Kv Ranchi-Maithon-S/C	07/03/20	9:00	07/03/20	17:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
225	400 KV Muzaffarpur- Darbhanga line-1	07/03/20	9:30	07/03/20	17:30	ODB	POWERGRID ER-1	LINE BAY AMP WORK at Muzaffarpur		
226	400KV New PPSP-Adambag Ckt-2	07/03/20	07:00	08/03/20	15:00	ODB	WB	MAINTENANCE WORK		
227	Arambag: 50 MVAR Bus Reacor	07/03/20	07:00	07/03/20	15:00	ODB	WB	MAINTENANCE WORK		
228	400KV Bus-2 at Baharampore	07/03/20	09:00	07/03/20	17:00	ODB	POWERGRID, ER-II	For Bheramara-3&4 Bay Extension work	NLDC	
229	400KV BINAGURI-Kishanganj-2	07/03/20	10:00	07/03/20	15:00	ODB	POWERGRID, ER-II	Replacement and retrofitting distance relay		
230	400 KV Tala-Binaguri Ckt-I	07/03/20	08:00	08/03/20	17:30	ODB	POWERGRID, ER-II	Replacement of procilien Insulator with CLR at major crossing	NLDC	
231	220KV WBSETCL-SUBHASGRAM CKT#1	07/03/20	08:00	07/03/20	17:30	ODB	POWERGRID, ER-II	Rectification of allignment of Line Isolator due to abnormal sound	WB	
232	704 Main bay of 765KV, 240 MVAR BR-II	07-03-2020	08:30	07-03-2020	18:30	ODB	ER-II/Odisha/Sundergarh	SS AMP	NLDC	
233	400 KV TIE BAY OF TALCHER#2 & CHAIBASA#2 (408)	07-03-2020	09:00	07-03-2020	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
234	Tie Bay 400 Kishanganj - 2 & Muaffarpur-1 (411-52 Bay) at New Purnea	07-03-2020	10:00	07-03-2020	18:00	ODB	POWERGRID ER-I	CB, CT AMP work		
235	400KV NEW RANCHI-4 MAIN BAY (436) AT RANCHI	07-03-2020	9:30	07-03-2020	17:00	ODB	POWERGRID ER-I	AMP		
236	400KV Main bay of Balia Line-2 at Patna	07-03-2020	09:00	08-03-2020	18:00	OCB	POWERGRID ER-I	BCU updration works under SS03 package		
237	125 MVAR BUS REACTOR#2 (425R)	08/03/20	09:00	08/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
238	220 Pushauli(PG)-Nadokhar ckt 1	08/03/20	11:30	08/03/20	14:30	ODB	BSPTCL	For rectification of DC fault	Nadokhar will avail power from alternate ckt	
239	400KV (125+50) MVAR Bus Reactor 1 and 125 MVAR B/R 4 in parallel at BiharSharif	08/03/20	10:00	09/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
240	400/220kv 315 MVA ICT -1 at Rangpo	08/03/20	08:00	12/03/20	17:00	OCB	POWERGRID, ER-II	For rectification of SF6 gas leakage repair work and AMP WORKS		
241	400KV BINAGURI-Kishanganj-2	08/03/20	10:00	08/03/20	15:00	ODB	POWERGRID, ER-II	Replacement and retrofitting of auto-reclose relay		
242	400KV Teestall-Kishanganj-I	08/03/20	07:00	09/03/20	17:00	ODB	POWERGRID, ER-II	For OPGW installation Work due to presence of aviation globule in drum no-41 (Loc. No 266 to Loc. No 270)		
243	A/R in non-auto mode in 400KV Kishanganj-Rangpo-I	08/03/20	07:00	12/03/20	17:00	ODB	POWERGRID, ER-II	For OPGW installation Work due to presence of aviation globule in drum no-41 (Loc. No 266 to Loc. No 270)		
244	400kv Main bay of 400/220kv 315MVA ICT 3 at BiharShariff	08-03-2020	11:00	08-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
245	400KV TIE Bay of Lakhisarai -1 and 315MVA ICT-1 at BiharSharif	08-03-2020	10:00	08-03-2020	18:00	ODB	POWERGRID ER-I	AMP Work		
246	315MVA ICT#1 Main Bay (BAY NO 403) at Subhasgram	08-03-2020	08:00	08-03-2020	17:30	ODB	POWERGRID, ER-II	Bay AMP		
247	Bus bar-1 at indravati	09/03/20	09:00	09/03/20	18:00	ODB	ER-II/Odisha/Indravati	AMP works of Bus-1	GRIDCO	SUBJECT TO REVIVAL OF MAIN CB OF BUS REACTOR AT INDRAVATI
248	1500 MVA ICT-1	09/03/20	08:30	09/03/20	18:30	ODB	ER-II/Odisha/Sundergarh	AMP	NLDC	
249	220 Pushauli(PG)-Nadokhar ckt 2	09/03/20	11:30	09/03/20	14:30	ODB	BSPTCL	For rectification of DC fault	Nadokhar will avail power from alternate ckt	
250	132 KV Banka(PG)-Sabour ckt 1	09/03/20	11:00	09/03/20	16:00	ODB	BSPTCL	Line maintenance work	Sabour will avail power alternate sources	
251	400kv Bus 2 at BiharSharif	09/03/20	09:30	14/03/20	18:00	ODB	POWERGRID ER-I	Upgradation of Busbar Scheme under project head	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
252	400/220kv 315 MVA ICT- 2 at Jamshedpur	09/03/20	09:30	09/03/20	17:30	ODB	POWERGRID ER-I	Static REF relay will be replaced by numerical relay	JUSNL	
253	220KV TSTPS Meramunduli circuit 2	09/03/20	08:00	10/03/20	18:00	OCB	TSTPP	For commissioning of Auto reclosure and AMP jobs	GRIDCO	
254	400 KV Binaguri Bongaigaon Ckt I	09/03/20	06:00	11/03/20	18:00	ODB	POWERGRID, ER-II	Conductor adjustment in between loc 235 - 236.	NLDC	

255	220KV Siliguri-Kishanganj-1 line	09/03/20	09:00	09/03/20	17:00	OCB	POWERGRID, ER-II	AMP & Identified defect liquidation & jumper Tightening		
256	400 KV Tala-Binaguri Ckt-III	09/03/20	08:00	10/03/20	17:30	ODB	POWERGRID, ER-II	Replacement of procellen Insulator with CLR at major crossing	NLDC	
257	400 KV TIE BAY OF ICT#1 & BR#1 (423)	09-03-2020	09:00	09-03-2020	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
258	400 kv 407 main Bay of Baripada-Duburi line	09-03-2020	09:00	10-03-2020	17:30	OCB	ER-II/Odisha/BARIPADA S/S	AMP works & Gasket replacement		
259	400KV Main Bay OF Tenughat 1 at Biharsharif	09-03-2020	10:00	09-03-2020	18:00	ODB	POWERGRID ER-I	AMP Work		
260	400KV TIE Bay of 315MVA ICT- 3 and Bus reactor 2 at Biharsharif	09-03-2020	11:00	09-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
261	Main Bay of 400kV muzaffarpur-1 Line (412-52) at New Purnea	09-03-2020	10:00	09-03-2020	18:00	ODB	POWERGRID ER-I	CT AMP work		
262	Main Bay of 400 Kv BSF Line -1 AT LAKHISARAI	09/03/20	10:00	09/03/20	17:00	ODB	POWERGRID ER-1	AMP		
263	220kv Bay of 200/132 ATR-1 at Daltonganj	09-Mar-2020	09:00	09-Mar-2020	17:30	ODB	POWERGRID ER-1	Bay AMP		
264	400kv Main bay of 400/220kv 500MVA ICT 1 at Patna	09-03-2020	09:00	10-03-2020	18:00	OCB	POWERGRID ER-I	BCU updratn works under SS03 package		
265	1500MVA ICT2	10/03/20	09:30	10/03/20	12:30	ODB	ER-II/Odisha/Sundergarh	For changeover of spare to Yph for attending oil leakage at Y ph	NLDC	
266	765KV Sundargarh-NTPC Darlipalli ckt-1	10/03/20	08:00	10/03/20	18:00	ODB	ER-II/Odisha/Sundergarh	Line Jumper Modification work from Quad to twin work	NLDC	
267	400 KV, 50 MVAR Indravati Line Reactor	10/03/20	09:00	10/03/20	17:00	ODB	ER-II/Odisha/Rengali	AMP Work	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN
268	220 Ara(PG)-Nadokhar ckt 1	10/03/20	11:30	10/03/20	14:30	ODB	BSPTCL	For rectification of DC fault	Nadokhar will avail power from alternate ckt	
269	132 KV Purnea(PG)-Purnea ckt1	10/03/20	08:00	10/03/20	17:00	ODB	BSPTCL	For bus strengthening work	Purnea will be powerless	
270	132 KV Purnea(PG)-Purnea ckt2	10/03/20	08:00	10/03/20	17:00	ODB	BSPTCL	For bus strengthening work	Purnea will be powerless	
271	132 KV Purnea(PG)-Purnea ckt3	10/03/20	08:00	10/03/20	17:00	ODB	BSPTCL	For bus strengthening work	Purnea will be powerless	
272	400KV 125MVAR Bus Reactor 3 at Biharsharif	10/03/20	10:00	11/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
273	400KV Bus#1 at Binaguri substation	10/03/20	09:00	12/03/20	17:00	ODB	POWERGRID, ER-II	Busbar stability and GIS connection, Rangpo Bay upgradation work (Bus isolator dismantling / erection)- 3 occasions		
274	220KV Siliguri-Kishanganj-2 line	10/03/20	09:00	10/03/20	17:00	OCB	POWERGRID, ER-II	AMP & Identified defect liquidation & jumper Tightening		
275	400KV BUS-II at Malda	10/03/20	08:00	10/03/20	17:00	ODB	POWERGRID, ER-II	ERSS-XVII-B Constructional work	WB	NON WB HS EXAM DATES MAY BE PROPOSED
276	400kv Farakka-Sagardighi-II TL	10/03/20	08:00	10/03/20	17:00	ODB	POWERGRID, ER-II	Replacement of damaged insulators at Loc No.- 20,23,27,45,56,78	WB	
277	50 MVAR Sagardighi Line Reactor at Subhasgram	10/03/20	08:00	10/03/20	17:30	ODB	POWERGRID, ER-II	Retrofitting of REF Relay.	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN	ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN
278	400KV TIE Bay of 315MVAR ICT 1 and Lakhisarai 1 at Biharsharif	10-03-2020	11:00	10-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
279	220kv Bay of 200/132 ATR-2 at Daltonganj	10-Mar-2020	09:00	10-Mar-2020	17:30	ODB	POWERGRID ER-1	Bay AMP		
280	765kv Sundergarh-Darmajayagahr-II line	11/03/20	09:00	11/03/20	18:00	ODB	ER-II/Odisha/Sundergarh	Line Jumper Modification work from Quad to twin work	NLDC	
281	400KV Sundargarh-Raigarh Ckt #1&3	11/03/20	08:00	31/03/20	18:00	OCB	ER-II/Odisha/Sundargarh	Tower erection and stringing on diversion part for OPGC MGR Railway	NLDC	
282	400 KV Rengali - Talcher # 2 Line(Non-Auto)	11/03/20	08:00	11/03/20	17:00	ODB	ER-II/Odisha/Rengali	For PID Measurement		
283	400kv Angul-Meramundali S/C Line 1	11/03/20	08:00	11/03/20	18:00	ODB	ER-II/Odisha/Angul TL	Line shutdown defects maintenance work * If LILO bypass arrangment completed then 400kv Angul-Meramundali ckt 1 & 400kv Angul-Bolagir s/d required **If LILO bypass arrangment not completed then only 400kv Angul-Meramundali ckt 1 s/d required	NLDC	
284	132 Lakhisarai(PG)-Lakhisarai ckt1	11/03/20	09:00	11/03/20	16:00	ODB	BSPTCL	For line & bay maintenance work	Lakhisarai will avail power from ckt 2	
285	220 Ara(PG)-Nadokhar ckt 2	11/03/20	11:30	11/03/20	14:30	ODB	BSPTCL	For rectification of DC fault	Nadokhar will avail power from alternate ckt	
286	400kv 63 MVAR Swithable L/R of Muzaffarpur-1 at New Purnea	11/03/20	10:00	11/03/20	18:00	ODB	POWERGRID ER-1	Reactor AMP work		
287	400KV 63Mvar Switchable L/R of Biharsahrif-II at Sasaram	11/03/20	9:00	14/03/20	18:00	OCB	POWERGRID ER-1	Overhauling of CWL89Q50-Y phase Pole		
288	765 KV Ranchi-Dharmjaygarh TL(CKT-II)	11/03/20	08:00	12/02/20	18:00	ODB	POWERGRID ER-I	Power Line Crossing of 765 kv Ranchi Medinupur line under TBCB	NLDC	
289	A/R OF 765 KV Ranchi-Dharmjaygarh TL(CKT-I)	11/03/20	08:00	12/02/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	NLDC	

290	400/220kv 315 MVA ICT- 1 at Jamshedpur	11/03/20	09:30	11/03/20	17:30	ODB	POWERGRID ER-I	Static REF relay will be replaced by numerical relay	JUSNL	
291	400KV BUS-I at Malda	11/03/20	08:00	11/03/20	17:00	ODB	POWERGRID, ER-II	ERSS-XVII-B Construcational work	WB	NON WB HS EXAM DATES MAY BE PROPOSED
292	400/220 KV 315 MVA ICT-V at Malda	11/03/20	08:00	11/03/20	17:00	ODB	POWERGRID, ER-II	S/D required due to ICT -V's 89B isolator defect i.r.o BUS-I S/D.	WB	NON WB HS EXAM DATES MAY BE PROPOSED
293	400kv Jeerat-Sagardighi TL	11/03/20	08:00	11/03/20	17:00	ODB	POWERGRID, ER-II	Replacement of broken insulators at Loc No.- 313,385,452,474,475,521,522	WB	
294	400KV Jeerat-Sagardighi Line	11/03/20	08:00	11/03/20	17:30	ODB	POWERGRID, ER-II	Retrofitting of Auto-reclose relay at Jeerat end.	WB	
295	400KV BARH-PATNA-2	11/03/20	09:30	12/03/20	18:00	OCB	BARH	SCADA, A/R, BAY EQUIPMENT TESTING AND AMP		
296	315MVA, ICT-1 Main Bay (402 BAY)	11/03/20	09:00 Hrs	11/03/20	18:00 Hrs	ODB	ER-II/Odisha/Balangir	AMP for 402 52CB and 402CT		
297	400 KV MAIN BAY OF CHAIBASA#1 (416)	11-03-2020	09:00	11-03-2020	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
298	400 kV 408 Tie Bay of Baripada-Duburi & Baripada-Jamshedpur line	11-03-2020	09:00	12-03-2020	17:30	OCB	ER-II/Odisha/BARIPADA S/S	AMP works & Gasket replacement		
299	400KV TIE Bay of Tenughat 1 and Lakhisarai 2 at BiharSharif	11-03-2020	10:00	11-03-2020	18:00	ODB	POWERGRID ER-I	AMP Work and CB Compressor overhauling		
300	400KV Main Bay OF 315MVA ICT 1 at BiharSharif	11-03-2020	11:00	11-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
301	400KV NEW RANCHI-4 & FUTURE TIE BAY (435) AT RANCHI	11-03-2020	9:30	11-03-2020	17:00	ODB	POWERGRID ER- I	AMP		
302	400kv Tie Bay of 400 kV BSF-I & 200 MVA ICT-1 AT LAKHISARAI	11/03/20	10:00	11/03/20	17:00	ODB	POWERGRID ER-1	AMP		
303	400KV Main bay of Balia Line-1 at Patna	11-03-2020	09:00	12-03-2020	18:00	OCB	POWERGRID ER-I	BCU updration works under SS03 package		
304	765kv Sundargarh-Dharamajgarh Ckt #1	12/03/20	08:00	12/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work	NLDC	
305	400kv Angul-Meramundali D/C Line 2	12/03/20	08:00	12/03/20	18:00	ODB	ER-II/Odisha/Angul TL	Line shutdown defects maintenance work * If LILO bypass arrangment completed then 400kv Angul-Meramundali ckt 2 & 400kv Angul-Talchar s/d required **If LILO bypass arrangment not completed then only 400kv Angul-Meramundali ckt 2 s/d required	GRIDCO	
306	132kv Patratu (DVC)-Patratu (JSEB) Tie Ckt#1	12/03/20	09:00	12/03/20	16:00	ODB	DVC	For maintenance activity	JSEB	
307	220 KV Muzafferpur -Hazipur ckt 2	12/03/20	09:00	16/03/20	17:00	ODB	BSPTCL	Line maintenance work	Hajipur will avail power from alternate ckt	
308	220 KV Sonenagar(New)-Gaya(PG) ckt1	12/03/20	11:00	12/03/20	16:00	ODB	BSPTCL	For line maintenance work	Sonenagar(New) will avail power alternate sources	
309	400KV 50MVAR SWITCHABLE L/R OF Varanasi 2 at BiharSharif	12/03/20	10:00	13/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
310	400KV Banka BiharSharif-I	12/03/20	10:00	13/03/20	18:00	ODB	POWERGRID ER-I	Replacement of porcelain insulators on road/rail crossing by polymer insulator		
311	A/R OF 400KV Banka BiharSharif-II	12/03/20	10:00	13/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
312	400KV 50MVAR SWITCHABLE L/R OF MAITHAN (RB)-I AT RANCHI	12/03/20	9:30	12/03/20	17:00	ODB	POWERGRID ER-1	L/R BAY AMP,LINE WILL REMAIN CHARGED WITHOUT LINE REACTOR		
313	400kv Koderma - Bokaro-I	12/03/20	08:00	17/03/20	18:00	ODB	POWERGRID ER-I	For changing porcelain insulator by polymer insulator.	DVC	
314	A/R of 400kv Koderma - Bokaro-II	12/03/20	08:00	17/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	DVC	
315	220KV TSTPS-Rengali	12/03/20	08:00	13/03/20	18:00	OCB	TSTPP	AMP jobs		
316	132KV Rangpo-Gangtok -1	12/03/20	09:00	13/03/20	18:00	ODB	POWERGRID, ER-II	Balance Jumper Line Works	SIKKIM	
317	400 KV Binaguri Bongaigaon Ckt II	12/03/20	06:00	14/03/20	18:00	ODB	POWERGRID, ER-II	Conductor adjustment in between loc 235 - 236.	NLDC	
318	220 kV Bus-I at Malda	12/03/20	08:00	12/03/20	17:00	ODB	POWERGRID, ER-II	ERSS-XVII-B Construcational work	WB	NON WB HS EXAM DATES MAY BE PROPOSED
319	132kv Siliguri-Melli TL	12/03/20	08:00	14/03/20	17:00	ODB	POWERGRID, ER-II	Sag adjustments due to hill sinking 51-52-53	SIKKIM	
320	125 MVAR BR-I & II at Durgapur	12/03/20	08:00	12/03/20	00:00	ODB	POWERGRID, ER-II	AMP works	BR-III & IV shall remains in service	
321	204 LINE BAY	12-03-2020	09:00	12-03-2020	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS.Rectification of CB: found faulty timing. Shutdown shall be taken if not availed in Feb'2020		
322	400 KV Keonjhar Main Bay (Bay No-401)	12-03-2020	09:00	12-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking		
323	400 KV BAY OF CHAIBASA#1 LR (416R)	12-03-2020	09:00	12-03-2020	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
324	765kv ICT 3 & BR 1 Tie Bay 711	12-03-2020	09:00	12-03-2020	18:00	OCB	ER-II/Odisha/Angul SS	AMP Work	NLDC	
325	Tie Bay of 400kV Malda-2 & Bus Reactor-1 (414-52) at New Purnea	12-03-2020	10:00	12-03-2020	18:00	ODB	POWERGRID ER-1	CB, CT AMP work		
326	220kv Main bay of 400/220kv 315 MVA ICT-1 at Daltonganj	12-Mar-2020	09:00	12-Mar-2020	17:30	ODB	POWERGRID ER-1	Bay AMP		
327	220KV Main BUS-1	13/03/20	09:00 Hrs	13/03/20	09:00 Hrs	ODB	ER-II/Odisha/Balangir	AMP and Rectification of damaged conductor strand of 220KV main BUS-1	GRIDCO	
328	765kv/400kv ,1500MVA ICT-4	13/03/20	08:30	13/03/20	18:00	ODB	ER-II/Odisha/Sundergarh	Spare Changeover & LA Stool arrangement work	NLDC	
329	765kv Line Reactor of Raipur ckt-I at Sundargarh SS	13/03/20	08:30	13/03/20	18:00	ODB	ER-II/Odisha/Sundergarh	AMP works	NLDC	
330	132 Lakhisarai(PG)-Lakhisarai ckt2	13/03/20	09:00	13/03/20	16:00	ODB	BSPTCL	For line & bay maintenance work	Lakhisarai will avail power from ckt 1	



331	220 KV Sonenagar(New)-Gaya(PG) ckt2	13/03/20	11:00	13/03/20	16:00	ODB	BSPTCL	For line maintenance work	Sonenagar(New) will avail power alternate sources	
332	765 KV GAYA-VARANASI-I	13/03/20	09:00	22/03/20	18:00	ODB	ER-I	FOR STRENGTHENING OF 765 KV LINE TOWER	NLDC	
333	400KV Sasaram- Biharsharif-I	13/03/20	10:00	14/03/20	18:00	ODB	POWERGRID ER-I	Replacement of porcelain insulators on road/rail crossing by polymer insulator		
334	A/R OF 400KV Sasaram- Biharsharif-II	13/03/20	10:00	14/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
335	400KV BIHARSHARIF-NEW PURNEA 2 Line	13/03/20	10:00	13/03/20	18:00	ODB	POWERGRID ER-I	LINE BAY AMP Work AT BIHARSHARIF		
336	400 KV Pusaui -Biharsharif Line-2	13/03/20	9:00	14/03/20	18:00	ODB	POWERGRID ER-1	Replacement of insulators at Road/Rail/River/Power Line Crossings		
337	A/R of 400 KV Pusaui -Biharsharif Line-1	13/03/20	9:00	14/03/20	18:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
338	400KV 50MVAR SWITCHABLE L/R OF MAITHAN (RB)-II AT RANCHI	13/03/20	9:30	13/03/20	17:00	ODB	POWERGRID ER-1	L/R BAY AMP,LINE WILL REMAIN CHARGED WITHOUT LINE REACTOR		
339	400KV CHAIBASA -KGP 1 LINE	13/03/20	09:30	13/03/20	17:30	ODB	POWERGRID ER-1	Retrofitting of RTD for online monitoring of WTI & OTI temperature	WB	
340	400 KV Muzaffarpur-Darbhanga line-2	13/03/20	9:30	13/03/20	17:30	ODB	POWERGRID ER-1	LINE BAY AMP WORK at Muzaffarpur		
341	125 MVAR BR2 at Jamshepur	13/03/20	09:30	13/03/20	17:30	ODB	POWERGRID ER-I	Static Differential relay will be replaced by numerical relay		
342	400/220KV 315 MVA ICT -3 at Rangpo	13/03/20	08:00	18/03/20	17:00	OCB	POWERGRID, ER-II	For rectification of SF6 gas leakage repair work,		
343	400 KV 125MVAR Bus Reactor-II at Baharampore	13/03/20	09:00	13/03/20	17:00	ODB	POWERGRID, ER-II	Reactor Annual Maintenance Work		
344	400KV Bus#2 at Binaguri substation	13/03/20	09:00	15/03/20	17:00	ODB	POWERGRID, ER-II	Busbar stability and GIS connection, Rangpo Bay upgradation work (Bus isolator dismantling / erection)- 3 occasions		
345	220 kV Bus-II at Malda	13/03/20	08:00	13/03/20	17:00	ODB	POWERGRID, ER-II	ERSS-XVII-B Constructional work	WB	NON WB HS EXAM DATES MAY BE PROPOSED
346	80 MVAR LR-2 with 400KV GOKARNO Line(Anti-theft Charged)	13/03/20	09:00	13/03/20	17:00	ODB	POWERGRID, ER-II	AMP work of GIS Bay and related equipment prior to completion of one year		
347	Rangpo 220KV BUS-1 & Main Bus-2 Shutdown	13/03/20	08:00	17/03/20	18:00	OCB	ER-II	HV Testing, Conductor fixing in both Main Bus-1 & Main Bus-2, CRM testing & Vacuuming, Gas filling of New Bay Extension		TO BE DISCUSSED IN OCC MEETING
348	205 MAIN BAY	13-03-2020	09:00	13-03-2020	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS		
349	721 Main Bay of 765KV Sundargarh-Dharamjaygarh ckt-1	13-03-2020	09:00	16-03-2020	18:00	OCB	ER-II/Odisha/Sundergarh	SIEMENS Centre guide valve modification work in Mechanism drive and AMP	NLDC	
350	400 KV Keonjhar- Talcher # 2 Tie Bay (Bay No-402)	13-03-2020	09:00	13-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking		
351	400 KV LINE BAY OF CHAIBASA#2 (409L)	13-03-2020	09:00	13-03-2020	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
352	765kV ICT 4 Main Bay 713	13-03-2020	09:00	13-03-2020	18:00	OCB	ER-II/Odisha/Angul SS	AMP Work	NLDC	
353	400 kV 410 main Bay of Baripada-Pandiabilli line	13-03-2020	09:00	14-03-2020	17:30	OCB	ER-II/Odisha/BARIPADA S/S	AMP works & Gasket replacement		
354	400KV MAIN BAY OF Purnia 1 at Biharsharif	13-03-2020	10:00	13-03-2020	18:00	ODB	POWERGRID ER-I	AMP Work		
355	400KV TIE Bay of Purnia 1 and Future at Bihar sharif	13-03-2020	10:00	13-03-2020	18:00	ODB	POWERGRID ER-I	AMP Work		
356	Main bay of 125MVAR Bus Recator-1 (415-52) at New Purnea	13-03-2020	10:00	13-03-2020	18:00	ODB	POWERGRID ER-I	CB, CT AMP work		
357	400kv Main Bay of 400//132kv 200 MVA ICT-1 AT LAKHISARAI	13/03/20	10:00	13/03/20	17:00	ODB	POWERGRID ER-1	AMP		
358	400kv Tie bay of Balia-I and Barh-II at Patna	13-03-2020	09:00	14-03-2020	18:00	OCB	POWERGRID ER-I	BCU updraton works under SS03 package		
359	210 Bay (220KV TBC-II bay ) at Durgapur	13-03-2020	07:12	13-03-2020	07:12	ODB	POWERGRID, ER-II	AMP works	209, 212, 213 main bay of ICT-I1 & DVC-I & ICT-III shall remain in service.	
360	765kv/400kv ,1500MVA ICT-3	14/03/20	08:30	14/03/20	18:00	ODB	ER-II/Odisha/Sundergarh	Spare Changeover & LA Stool arrangement work	NLDC	
361	765kv Line Reactor of Raipur ckt-II at Sundragarh SS	14/03/20	08:30	14/03/20	18:00	ODB	ER-II/Odisha/Sundergarh	AMP works	NLDC	
362	765kv Sundargarh-Dharamjaygarh Ckt #4	14/03/20	08:00	14/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work	NLDC	
363	132 KV Sultanganj-Deoghar S/C T/L	14/03/20	11:00	17/03/20	14:00	ODB	BSPTCL	For tower top patrolling and maintenance work	Consent from SLDC Ranchi will be required.	
364	220 KV Sonenagar(New)-Gaya(PG) ckt1	14/03/20	11:00	14/03/20	16:00	ODB	BSPTCL	For line maintenance work	Sonenagar(New) will avail power alternate sources	
365	220 KV DALKHOLA-PURNEA LINE -2	14/03/20	09:00	14/03/20	17:00	ODB	POWERGRID ER-I	Replacement of flashed insulator		
366	A/R OF 220 KV DALKHOLA-PURNEA LINE -1	14/03/20	09:00	14/03/20	17:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
367	400KV 50MVAR SWITCHABLE L/R OF Varanasi 1 at BiharSharif	14/03/20	10:00	15/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
368	400KV 50MVAR SWITCHABLE L/R OF MAITHAN (RB)-I AT RANCHI	14/03/20	9:30	14/03/20	17:00	ODB	POWERGRID ER-1	L/R AMP,LINE WILL REMAIN CHARGED WITHOUT LINE REACTOR		
369	220 KV Muzaffarpur- Kanti-2	14/03/20	10:30	14/03/20	17:30	ODB	POWERGRID ER-1	LINE BAY AMP WORK at Muzaffarpur	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
370	132 KV Bus 1 AT MOTIHARI	14/03/20	08:00	15/03/19	18:00	OCB	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to existing Bus (DMTCL)		

371	220kv Rangpo -New Melli	14/03/20	09:00	15/03/20	18:00	ODB	POWERGRID, ER-II	Line Works / AMP	TASHIDING	
372	206 LINE BAY	14-03-2020	09:00	14-03-2020	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS. Shutdown shall be taken if not availed in Feb'2020		
373	400 KV Talcher # 2 Main Bay (Bay No-403)	14-03-2020	09:00	14-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking		
374	400 KV TIE BAY OF 315 MVA ICT#2 (414)	14-03-2020	09:00	14-03-2020	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
375	400KV Main Bay OF Lakhisarai 2 418 at Biharsharif	14-03-2020	11:00	14-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
376	400KV Main Bay of Sasaram 1 at Biharsharif	14-03-2020	11:00	14-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
377	Main bay of 125MVAR Bus Recator-2 (418-52) at New Purnea	14-03-2020	10:00	14-03-2020	18:00	ODB	POWERGRID ER-I	CB, CT AMP work		
378	220 KV Garhwa Line-1 bay at Daltonganj	14-Mar-2020	09:00	14-Mar-2020	17:30	ODB	POWERGRID ER-1	Bay AMP		
379	400KV Main Bay of STATCOM AT NEW RANCHI	14-03-2020	09:00	14-03-2020	17:30	ODB	POWERGRID ER-1	AMP		
380	400 KV Rengali-Indravati Line	15/03/20	09:00 Hrs	26/03/20	18:00 Hrs	OCB	ER-II/Odisha/Balangir	Dismantling of 03 nos.existing Tower, Installation of 03 nos. span for Line diversion work due to construction of new Balangir-Khurdha Railway line under East Coast Railways at Balangir.	NLDC	SRPC CONSENT NEED TO BE OBTAINED
381	400 KV Rengali-Indravati Line	15/03/20	09:00	26/03/20	18:00	OCB	ER-II/Odisha/Balangir	Dismantling of 03 nos.existing Tower, Installation of 03 nos. span for Line diversion work due to construction of new Balangir-Khurdha Railway line under East Coast Railways at Balangir.	NLDC	SRPC CONSENT NEED TO BE OBTAINED
382	220 KV Sonenagar(New)-Gaya(PG) ckt2	15/03/20	11:00	15/03/20	16:00	ODB	BSPTCL	For line maintenance work	Sonenagar(New) will avail power alternate sources	
383	400 kV Biharsharif- Banka- 2	15/03/20	10:00	16/03/20	18:00	ODB	POWERGRID ER-I	Replacement of porcelain insulators on road/rail crossing by polymer insulator		
384	A/R OF 400kv Biharsharif- Banka- 1	15/03/20	10:00	16/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
385	400KV BINAGURI-BONGAIGAON-2	15/03/20	10:00	16/03/20	15:00	ODB	POWERGRID, ER-II	Bay upgradation work at Binaguri	NLDC	
386	400 kV 411 Tie Bay of Baripada-Pandiabili & Baripada-TISCO line	15-03-2020	09:00	16-03-2020	17:30	OCB	ER-II/Odisha/BARIPADA S/S	AMP works & Gasket replacement		
387	400KV Tie bay of 315 MVA ICT 3 and Bus reactor 2 at Biharsharif	15-03-2020	09:30	15-03-2020	18:00	ODB	POWERGRID ER-I	AMP		
388	400KV Tie Bay of Ac filter east side and Converter transformer East Side at Sasaram	15-03-2020	9:00	18-03-2020	18:00	OCB	POWERGRID ER-1	Overhauling of CWD50Q50 R&Y-Phase Pole		
389	400kv Main Bay of 400 kV-BSF Line -2 AT LAKHISARAI	15/03/20	10:00	15/03/20	17:00	ODB	POWERGRID ER-1	AMP		
390	765KV Raipur ckt-1 along with its LR	16/03/20	8:00	16/03/20	18:00	ODB	ER-II/Odisha/Sundergarh	MAIN2 RELAY MODIFICATION WORK & ISOLATOR ALIGNMENT WORK .AMP of 712R Bay	NLDC	
391	A/R OF 400KV Sundargarh-Raigarh Ckt #1&3	16/03/20	08:00	31/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	For PID Testing of Porcelain Insulator. Only Auto reclose	NLDC	
392	63 MVAR Bus Reactor	16/03/20	09:00	04/04/20	18:00	ODB	ER-II/Odisha /Jeypore	Overhauling of 63 MVAR Bus Reactor for attending the oil leakage.		
393	400 KV Rorkela-SUNDARGARH#1 LINE	16/03/20	09:00	16/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	FOR ERECTION OF REACTOR BUSHINGS (SHUTDOWN BEING AVAILED AS CLEARANCE IS LESS) & LINE MAINTENANCE		
394	A/R of 400KV Baripada-Keonjhar line	16/03/20	09:00	31/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line		
395	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-1	16/03/20	07:00	16/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
396	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-2 required A/R in Non-Auto mode	16/03/20	07:00	16/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
397	400 kV BUS-I at Gaya	16/03/20	09:00	16/03/20	18:00	ODB	POWERGRID ER-I	For AMP work	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
398	400 KV MAITHON-GAYA-I	16/03/20	09:00	22/03/20	18:00	ODB	ER-I	Request for deploying Pokhlain Vibrator to excavate the Rock to maintain the Ground clearance.		Photo evidence to be submitted before applying shutdown
399	A/R OF 400 KV MAITHON-GAYA-II	16/03/20	09:00	22/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		

400	400/220kv 500MVA ICT 4 at Biharsharif	16/03/20	10:00	16/03/20	18:00	ODB	POWERGRID ER-I	CSD Commissioning work	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
401	132kv Pusauli-Kudra Line	16/03/20	9:00	16/03/20	18:00	ODB	POWERGRID ER-1	Relay Retrofitting	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
402	400KV 80 MVAR NON SWITCHABLE L/R OF SIPAT-2 AT RANCHI	16/03/20	9:30	16/03/20	17:00	ODB	POWERGRID ER-1	AMP OF L/R , LINE WILL CHARGED WITHOUT L/R AFTER S/D	NLDC	
403	400KV RANCHI-SIPAT-II	16/03/20	9:30	16/03/20	9:50	ODB	POWERGRID ER-1	FOR ISOLATION OF NON SWITCHABLE L/R AT RANCHI	NLDC	
404	400KV RANCHI-SIPAT-II	16/03/20	16:40	16/03/20	17:00	ODB	POWERGRID ER-1	FOR TAKING IN SERVICE NON SWITCHABLE L/R AT RANCHI	NLDC	
405	400/220 KV 500 MVA ICT-3 at Muzaffarpur	16/03/20	9:30	17/03/20	17:30	ODB	POWERGRID ER-1	RELAY RETROFITTING WORK	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
406	220KV MUZ-DHALKEBAR (Nepal) -1 & 2 Line	16/03/20	9:30	19/03/20	17:30	OCB	POWERGRID ER-1	DE-STRINGING & RE-STRINING OF ONE SPAN OF 400KV LINE IN NEAR BY MUZAFFARPUR SUBSTATION. PLCC & DPC ERECTION, TESTING & COMMISSIO. FOTE PANEL SHIFTING & LINE TESTING ETC.	NLDC	
407	220 kv ARA Khagaul line 1	16/03/20	09:00	16/03/20	18:00	ODB	POWERGRID ER-I	For Replacement of flashed insulator	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
408	A/R of 220 kv ARA Khagaul line 2	16/03/20	09:00	16/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
409	132 KV Bus 2 AT MOTIHARI	16/03/20	08:00	17/03/20	18:00	OCB	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to existing Bus (DMTCL)		
410	400kv Binaguri - Bongaigaon D/C (Twin) Line 1 & 2 (POWERGRID)	16/03/20	06:00	19/03/20	18:00	ODB	POWERGRID, ER-II	Stringing at crossing between Loc. No. 11/0 - 12/0 of Jigmeling line and loc. No. 273-274 of Binaguri - Bongaigaon Line	NLDC	
411	132 KV Siliguri-Kursoeng line	16/03/20	09:00	16/03/20	17:00	OCB	POWERGRID, ER-II	AMP & Identified defect liquidation & jumper Tightening	WB	
412	400KV Binaguri-New Purnea-I	16/03/20	09:00	16/03/20	17:00	ODB	POWERGRID, ER-II	CLR Insulator replacement in Crossings & Replacement and retrofitting of auto-reclose relay		
413	220KV Birpara-Chukha Ckt-I	16/03/20	08:00	16/03/20	17:30	ODB	POWERGRID, ER-II	Retrofitting of Numerical Distance Relay	NLDC	
414	220KV/132KV ICT-IV at Malda	16/03/20	08:00	16/03/20	17:00	ODB	POWERGRID, ER-II	Implementation of NIFS system	WB	NON WB HS EXAM DATES MAY BE PROPOSED
415	80 MVAR LR-1 with 400kv FARAKKA Line(Anti-theft Charged)	16/03/20	09:00	16/03/20	17:00	ODB	POWERGRID, ER-II	AMP work of GIS Bay and related equipment prior to completion of one year		
416	400KV Durgapur-Sagardighi Line-2	16/03/20	08:00	16/03/20	00:00	ODB	POWERGRID, ER-II	Main -1 Relay Retrofitting Works	WB	
417	400 KV Durgapur -Jamshedpur S/C-I	16/03/20	08:00	17/03/20	18:00	ODB	POWERGRID, ER-II	Rectification of shutdown nature defects		
418	50 MVAR BR-2 MPL	16/03/20	08:00	21/03/20	18:00	OCB	MPL	OIL FILTERATION AND TESTING WORK		
419	400KV BARH ICT-1	16/03/20	09:30	21/03/20	18:00	OCB	BARH	BAY EQUIPMENT TESTING AND AMP		
420	208 LINE BAY	16-03-2020	09:00	16-03-2020	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS		

421	765KV ICT 3 Main Bay 710	16-03-2020	09:00	18-03-2020	18:00	OCB	ER-II/Odisha/Angul SS	Guide Valve Replacement	NLDC	
422	400kv TIE Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif	16-03-2020	11:00	16-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
423	Main Bay of 400kV Kishanganj-1 (407-52) at New Purnea	16-03-2020	9:00	16-03-2020	12:00	ODB	POWERGRID ER-1	CT Oil Sampling		
424	Tie Bay of 400kV Kishanganj-1 & Muzaffarpur-2 (408-52) at New Purnea	16-03-2020	12:00	16-03-2020	15:00	ODB	POWERGRID ER-1	CT Oil Sampling		
425	Main Bay of 400kV Muzaffarpur-2(409-52) at New Purnea	16-03-2020	15:00	16-03-2020	18:00	ODB	POWERGRID ER-1	CT Oil Sampling		
426	Main Bay of 400KV New ranchi-Patratu Line-I (Bay 421) AT NEW RANCHI	16-03-2020	09:00	16-03-2020	17:30	ODB	POWERGRID ER-1	AMP		
427	400kv Tie bay of Balia-II and Barh-I at Patna	16-03-2020	09:00	17-03-2020	18:00	OCB	POWERGRID ER-I	BCU updation works under SS03 package		
428	400/220KV ICT#2 at Indravati	17/03/20	09:00	17/03/20	18:00	ODB	ER-II/Odisha/Indravati	To topup the oil in ICT#2 Y-ph. During this shutdown Power flow from ICT#2 will be Interrupted.	GRIDCO	
429	765kv Sundargarh-Dharamjaygarh Ckt #3	17/03/20	08:00	17/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work	NLDC	
430	765KV Raipur ckt-2 along with its LR	17/03/20	08:00	17/03/20	18:00	ODB	ER-II/Odisha/Sundergarh	MAIN2 RELAY MODIFICATION WORK & ISOLATOR ALIGNMENT WORK.AMP of 709R Bay	NLDC	
431	400 KV Rourkela-SUNDARGARH#1 LINE	17/03/20	10:30	17/03/20	12:30	ODB	ER-II/ODISHA/ROURKELA	FOR TAKING THE LINE REACTOR INTO SERVICE AFTER OVERHAULING		
432	125MVAR Bus Reactor-I	17/03/20	09:00	17/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
433	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-1	17/03/20	07:00	17/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
434	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-2 required A/R in Non-Auto mode	17/03/20	07:00	17/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
435	220kv Parulia DVC-Parulia PG Ckt#1	17/03/20	09:00	17/03/20	16:00	ODB	DVC	PSDF work at Parulia S/s DVC end		SUBJECT TO DVC DRAWL MAX 180MW ONLY
436	220 KV DMTCL(Darbhang)-Ujayarpur S/C T/L	17/03/20	09:00	18/03/20	17:00	ODB	BSPTCL	Line maintenance work	Ujayarpur will avail power alternate sources	
437	400 kv BUS-II at Gaya	17/03/20	09:00	18/03/20	18:00	ODB	POWERGRID ER-I	For Bus Jumphering Work	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
438	400KV 80MVAR SWITCHABLE L/R OF Purnia 2 at Bihar Sharif	17/03/20	10:00	18/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
439	400KV KAHALGAON BANKA CKT 2	17/03/20	09:00	17/03/20	17:30	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings		
440	A/R OF 400KV KAHALGAON BANKA CKT 1	17/03/20	09:00	17/03/20	17:30	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
441	400kv 63 MVAR Swithable L/R of Muzaffarpur-2 at New Purnea	17/03/20	9:00	17/03/20	12:00	ODB	POWERGRID ER-1	CT Oil Sampling		

442	132kv Pusauli-Mohania Line	17/03/20	9:00	17/03/20	18:00	ODB	POWERGRID ER-1	Relay Retrofitting	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
443	400 KV MAITHON-KAHAGAON-II	17/03/20	09:00	17/03/20	17:00	ODB	POWERGRID ER-I	For flashover insulator string replacement at Loc-277, R-phase(top), Loc-317(Y phase(top)		
444	A/R of 400 KV MAITHON-KAHAGAON-I	17/03/20	09:00	17/03/20	17:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
445	400KV Bus-1 AT NEW RANCHI	17/03/20	09:00	18/03/20	17:30	ODB	POWERGRID ER-1	AMP		
446	400 KV Muzaffarpur- Darbhanga line-2	17/03/20	9:30	19/03/20	17:30	ODB	POWERGRID ER-1	STRINING OF ONE SPAN OF 400 KV MUZAFFARPUR-DHALKEBAR LINE.( induction problem)		
447	400/220kv 500MVA ICT-2 at Patna	17/03/20	09:00	17/03/20	18:00	ODB	POWERGRID ER-I	AMP	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
448	220 kv ARA Khagaul line 2	17/03/20	09:00	17/03/20	18:00	ODB	POWERGRID ER-I	For Replacement of flashed insulator	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
449	A/R of 220 kv ARA Khagaul line 1	17/03/20	09:00	17/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
450	125 MVAR BR3 & 50 MVAR BR1 at Jamshedpur	17/03/20	09:30	17/03/20	17:30	ODB	POWERGRID ER-I	Static Differential relay will be replaced by numerical relay		
451	220KV TSTPS-TTPS	17/03/20	08:00	18/03/20	18:00	OCB	TSTPP	AMP jobs	GRIDCO	
452	400KV Binaguri-New Purnea-II	17/03/20	09:00	17/03/20	17:00	ODB	POWERGRID, ER-II	CLR Insulator replacement in Crossings & Replacement and retrofitting of auto-reclose relay		
453	220KV Birpara-Chukha Ckt-II	17/03/20	08:00	17/03/20	17:30	ODB	POWERGRID, ER-II	Retrofitting of Numerical Distance Relay	NLDC	
454	400 KV S/C Arambag - Durgapur TL	17/03/20	08:00	18/03/20	17:00	ODB	POWERGRID, ER-II	Stringing b/w AP 33/0 to 34/0 of 765 KV D/C Medinipur-Jeerat TL Over existing 400 KV S/C Arambag - Durgapur Transmission line	WB	NON WB HS EXAM DATES MAY BE PROPOSED
455	400KV BUS-II at Malda	17/03/20	08:00	17/03/20	17:00	ODB	POWERGRID, ER-II	ERSS-XVII-B Constructional work	WB	NON WB HS EXAM DATES MAY BE PROPOSED
456	220KV Rajarhat-New Town AA3 Circuit-2	17/03/20	09:00	17/03/20	17:00	ODB	POWERGRID, ER-II	To replace faulty pole discrepancy relay and Hardwiring and testing of Autoreclose Function (Presently phase initiation coming via goose to the BCU from distance relays)	WB	
457	400KV Durgapur-Farakka line-2	17/03/20	08:00	17/03/20	00:00	ODB	POWERGRID, ER-II	Main-2 Relay Retrofitting Works	Farakka Line-1 shall remains in service	
458	207 MAIN BAY	17-03-2020	09:00	17-03-2020	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS.Rectification of CB: found faulty timing & DCRM graphs. Shutdown shall be taken if not availed in Feb'2020		
459	720 Tie Bay of 765KV Sundargarh-Dharamjaygarh ckt-1 & 765KV NTPC Darlipalli ck-2	17-03-2020	09:00	20-03-2020	18:00	OCB	ER-II/Odisha/Sundergarh	SIEMENS Centre guide valve modification work in Mechanism drive and AMP	NLDC	
460	400 Kv Talcher # 1 Main Bay (Bay No-404)	17-03-2020	09:00	17-03-2020	17:00	ODB	ER-II/Odisha/Bengali	For Isolator alignment work and interlock checking		
461	400 KV TIE BAY OF CHAIBASAH1 & SNG#1 (417)	17-03-2020	09:00	17-03-2020	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
462	400kv Main Bay of (125+50) MVAR Bus Reactor 1 at Biharsharif	17-03-2020	11:00	17-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
463	Main Bay of 400kv Kishanganj-1 (410-52) at New Purnea	17-03-2020	12:00	17-03-2020	15:00	ODB	POWERGRID ER-1	CT Oil Sampling		
464	Main Bay of 400kv Muzaffarpur-1(412-52) at New Purnea	17-03-2020	15:00	17-03-2020	18:00	ODB	POWERGRID ER-1	CT Oil Sampling		
465	400kv Tie Bay of BSF-2 & 200 MVA ICT-2 AT LAKHISARAI	17/03/20	10:00	17/03/20	17:00	ODB	POWERGRID ER-1	AMP		
466	220kv Main bay of 400/220kv 315 MVA ICT-2 at Daltonganj	17-Mar-2020	09:00	17-Mar-2020	17:30	ODB	POWERGRID ER-1	Bay AMP		

467	220KV BUS-I at Keonjhar	18/03/20	09:00	18/03/20	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS	GRIDCO	
468	400KV Sundargarh-Rourkela Ckt #1	18/03/20	08:00	18/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work		
469	315 MVA ICT I at Rourkela	18/03/20	09:00	31/03/20	18:00	OCB	ER-II/ODISHA/ROURKELA	Erection works related to Parallelling of ICTs	GRIDCO	SUBJECT TO ODISHA COSENT
470	400/220Kv, 500 MVA ICT III	18/03/20	09:00	18/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works	GRIDCO	
471	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-2	18/03/20	07:00	18/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
472	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-1 required A/R in Non-Auto mode	18/03/20	07:00	18/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
473	400kV D/C PURULIA-RANCHI CKT I	18/03/20	09:00	18/03/20	16:00	ODB	PKTCL	ROUTINE MAINTAINANCE WORK	WB	
474	220kV Parulia DVC-Parulia PG Ckt#2	18/03/20	09:00	18/03/20	16:00	ODB	DVC	PSDF work at Parulia S/s DVC end		SUBJECT TO DVC DRAWL MAX 180MW ONLY
475	400kv 63 MVAR Swithable L/R of Muzaffarpur-1 at New Purnea	18/03/20	14:00	18/03/20	17:00	ODB	POWERGRID ER-1	CT Oil Sampling		
476	400 KV Pusauli-Biharsharif Line-1	18/03/20	9:00	19/03/20	18:00	ODB	POWERGRID ER-1	Replacement of insulators at Road/Rail/River/Power Line Crossings		
477	A/R of 400 KV Pusauli -Biharsharif Line-2	18/03/20	9:00	19/03/20	18:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
478	400 KV Ranchi-RAURKELA-1 TL	18/03/20	9:00	18/03/20	17:00	ODB	POWERGRID ER-1	FLASHED INSULATOR REPLCAMENT AT LOC 153		
479	A/R OF 400 KV Ranchi-RAURKELA-2	18/03/20	9:00	18/03/20	17:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
480	400kV Koderma - Bokaro-II	18/03/20	08:00	23/03/20	18:00	ODB	POWERGRID ER-I	For changing porcelain insulator by polymer insulator.	DVC	
481	A/R of 400kV Koderma - Bokaro-I	18/03/20	08:00	23/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	DVC	
482	400/220 KV 315 MVA ICT-2 at Muzaffarpur	18/03/20	9:30	20/03/20	17:30	OCB	POWERGRID ER-1	OLTCL OVERHAULING.	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
483	400/220kv 500MVA ICT-3 at Patna	18/03/20	09:00	18/03/20	18:00	ODB	POWERGRID ER-I	AMP	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
484	400 KV Bus 1 AT DARBHANGA	18/03/20	08:00	19/03/20	18:00	OCB	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to existing Bus (DMTCL & ATL)	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
485	400KV Binaguri-New Purnea-I	18/03/20	09:00	18/03/20	17:00	ODB	POWERGRID, ER-II	CLR Insulator replacement in Crossings		
486	400KV BUS-I at Malda	18/03/20	08:00	18/03/20	17:00	ODB	POWERGRID, ER-II	ERSS-XVII-B Constructional work	WB	NON WB HS EXAM DATES MAY BE PROPOSED
487	400/220 KV 315 MVA ICT-V at Malda	18/03/20	08:00	18/03/20	17:00	ODB	POWERGRID, ER-II	S/D required due to ICT -V's 89B isolator defect i.r.o BUS-I S/D	WB	NON WB HS EXAM DATES MAY BE PROPOSED
488	220KV Transfer BUS BAY (210 BAY)	18/03/20	09:00 Hrs	18/03/20	18:00 Hrs	ODB	ER-II/Odisha/Balangir	AMP for 210 52CB & 210 CT		
489	709 Main Bay of 765KV Sundargarh-Raipur ckt-2	18-03-2020	08:30	18-03-2020	18:30	ODB	ER-II/Odisha/Sundergarh	SS AMP	NLDC	
490	400 Kv Talcher # 1 Tie Bay (Bay No-406)	18-03-2020	09:00	18-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking		

491	400 KV MAIN BAY OF STATCOM (410)	18-03-2020	09:00	18-03-2020	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
492	400kv Main Bay of 400/220kv 315 MVA ICT -2 at Biharsharif	18-03-2020	11:00	18-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
493	Tie Bay of 400kV Kishanganj-2 & Muzaffarpur-1 (411-52) at New Purnea	18-03-2020	9:00	18-03-2020	13:00	ODB	POWERGRID ER-1	CT Oil Sampling		
494	400kv Main Bay of 200 MVA ICT-2 AT LAKHISARAI	18/03/20	10:00	18/03/20	17:00	ODB	POWERGRID ER-1	AMP		
495	400KV Main bay Barh-1 at Patna	18-03-2020	09:00	19-03-2020	18:00	OCB	POWERGRID ER-I	BCU updation works under SS03 package		
496	205 Bay (220KV Bus Section bay ) at Durgapur	18-03-2020	07:12	18-03-2020	07:12	ODB	POWERGRID, ER-II	AMP works & Spring charge mechanism overhauling.	220 KV Bus-I & Bus-II shall remain service through ICT-I, DVC-II (Bus-I) & ICT-II, III & DVC-I.	
497	220KV BUS-II at Keonjhar	19/03/20	09:00	19/03/20	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS	GRIDCO	
498	400KV Sundargarh-Rourkela Ckt #2	19/03/20	08:00	19/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work		
499	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-2	19/03/20	07:00	19/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
500	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-1 required A/R in Non-Auto mode	19/03/20	07:00	19/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
501	132kv Patratu (DVC)-Patratu (JSEB) Tie Ckt#2	19/03/20	09:00	19/03/20	16:00	ODB	DVC	For maintenance activity	JSEB	
502	132 KV Banka(PG)-Sultanganj ckt 1	19/03/20	09:00	20/03/20	17:00	ODB	BSPTCL	Line maintenance work	Sultanganj will avail power alternate sources	
503	132 KV Banka(PG)-Sultanganj ckt 2	19/03/20	09:00	20/03/20	17:00	ODB	BSPTCL	Line maintenance work	Sultanganj will avail power alternate sources	
504	220 KV DMTCL(Darbhanga)-Laukahi ckt1	19/03/20	08:00	26/03/20	17:00	ODB	BSPTCL	For line maintenance work	Laukahi will avail power from alternate sources	
505	220 KV DMTCL(Darbhanga)-Laukahi ckt2	19/03/20	08:00	26/03/20	17:00	ODB	BSPTCL	For line maintenance work	Laukahi will avail power from alternate sources	
506	765 /400 kv 1500MVA ICT-III at Gaya	19/03/20	09:00	19/03/20	18:00	ODB	POWERGRID ER-I	For AMP work	NLDC	
507	400KV 80MVAR SWITACHABLE L/R OF Purnia 1 at Bihar Sharif	19/03/20	10:00	20/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
508	400KV KAHALGAON FARAKKA CKT 4	19/03/20	09:00	19/03/20	17:30	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings		
509	A/R OF 400KV KAHALGAON FARAKKA CKT 3	19/03/20	09:00	19/03/20	17:30	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
510	400 KV Pusauli-Varanasi Line	19/03/20	9:00	19/03/20	18:00	ODB	POWERGRID ER-1	Replacement of insulators at Road/Rail/River/Power Line Crossings	NLDC	
511	A/R of 400 KV Pusauli Allahabd Line	19/03/20	9:00	19/03/20	18:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	NLDC	
512	400/220KV 315 MVA ICT-1 AT RANCHI	19/03/20	9:30	19/03/20	17:00	ODB	POWERGRID ER-1	RELAY RETROFITTING WORK; LOAD WILL BE RESTRICTED TO 250 MW TO JUSNL THROUGH 315 MVA ICT-2 only	JUSNL	
513	400 KV MAITHON (RB)-RANCHI-II	19/03/20	09:00	19/03/20	17:00	ODB	POWERGRID ER-I	For, cleaning of Bird excreta & Pollution at Loc-101 & 108		
514	A/R of 400 KV MAITHON (RB)-RANCHI-I	19/03/20	09:00	19/03/20	17:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
515	400KV Rangpo-Teesta-V Ckt-2	19/03/20	08:00	23/03/20	17:00	OCB	POWERGRID, ER-II	For rectification of SF6 gas leakage repair work,	TEESTA-V	
516	400KV Binaguri-New Purnea-II	19/03/20	09:00	19/03/20	17:00	ODB	POWERGRID, ER-II	CLR Insulator replacement in Crossings		
517	400 KV S/C Jeerat - Subhasgram TL & 400 KV S/C Sagardighi - Jeerat TL	19/03/20	08:00	20/03/20	17:00	ODB	POWERGRID, ER-II	Stringing b/w AP 40/0 to 41/0 of 400 KV D/C New Jeerat- Jeerat TL Under existing 400 KV S/C Jeerat - Subhasgram & 400 KV S/C Sagardighi - Jeerat Transmission line	WB	SIMULTANEOUS SHUTDOWN MAY BE AVOIDED
518	125 MVAR BUS REACTOR-1 at Rajarhat	19/03/20	09:00	19/03/20	17:00	ODB	POWERGRID, ER-II	AMP work of GIS Bay and related equipment prior to completion of one year	WB	
519	400KV ICT#2 Main Bay (403) at OHPC S/Y	19-03-2020	09:00	19-03-2020	18:00	ODB	ER-II/Odisha/Indravati	AMP works of 400KV ICT#2 Main Bay (403) at OHPC S/Y. During this shutdown Power flow from ICT#2 will be Interrupted.		
520	712 Main bay of 765KV Sundargarh-Raipur ckt-1	19-03-2020	08:30	19-03-2020	18:30	ODB	ER-II/Odisha/Sundergarh	SS AMP	NLDC	

521	400 KV ICT # 1 & 2 Tie Bay (Bay No-408)	19-03-2020	09:00	19-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking		
522	400 KV TIE BAY OF STATCOM (411)	19-03-2020	09:00	19-03-2020	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
523	765kV Srikakulam Ckt 1 Tie Bay 728	19-03-2020	09:00	21-03-2020	18:00	OCB	ER-II/Odisha/Angul SS	Guide Valve Replacement	NLDC	
524	201 main bay of 220KV Baripada-Balasore Line -1	19-03-2020	09:00	19-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
525	400kv TIE Bay of 315MVA ICT-2 and 125MVAR B/R 3 at Bihar sharif	19-03-2020	11:00	19-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
526	Main Bay of 400kV Malda-2 (413-52) at New Purnea	19-03-2020	9:00	19-03-2020	12:00	ODB	POWERGRID ER-1	CT Oil Sampling		
527	Tie Bay of 400kV Malda-2 & Bus Reactor-1 (414-52) at New Purnea	19-03-2020	12:00	19-03-2020	15:00	ODB	POWERGRID ER-1	CT Oil Sampling		
528	Main Bay of 400kV Bus Reactor-1 (415-52) at New Purnea	19-03-2020	15:00	19-03-2020	18:00	ODB	POWERGRID ER-1	CT Oil Sampling		
529	400KV Tie Bay of Ac filter north side and Converter transformer north Side at Sasaram	19-03-2020	9:00	22-03-2020	18:00	OCB	POWERGRID ER-1	Overhauling of CWD10Q50-Y phase Pole		
530	206 bay(220 KV Garhwa Line-2 bay) at Daltonganj	19-Mar-2020	09:00	19-Mar-2020	17:30	ODB	POWERGRID ER-1	Bay AMP		
531	Tie Bay of 400KV Purulia Line-2 & Patratu-2 (Bay 423) AT NEW RANCHI	19-03-2020	09:00	19-03-2020	17:30	ODB	POWERGRID ER-1	AMP		
532	212 Bay (220KV DVC-I bay ) at Durgapur	19-03-2020	07:12	19-03-2020	07:12	ODB	POWERGRID, ER-II	AMP works	DVC Line-I shall remain service through TBC-II ( 210 ) bay.	
533	315MVA ICT#1 at Keonjhar	20/03/20	09:00	20/03/20	18:00	ODB	ER-II/Odisha/Keonjhar	OTI & WTI Calibration to be check. Shutdown shall be taken if not availed in Feb'2020	GRIDCO	
534	400KV Sundargarh-Raigarh Ckt #2	20/03/20	08:00	20/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work	NLDC	
535	STATCOM VSC-1 at Rourkela	20/03/20	09:00	20/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
536	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-2	20/03/20	07:00	20/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
537	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-1 required A/R in Non-Auto mode	20/03/20	07:00	20/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
538	400kv D/C KHARAGPUR-CHAIBASA CKT II	20/03/20	09:00	20/03/20	16:00	ODB	PKTCL	ROUTINE MAINTAINANCE WORK	WB	
539	132 KV DMTCL(Motihari)-Bettiah D/C T/L	20/03/20	10:00	20/03/20	16:00	ODB	BSPTCL	for the work of stringing of undercinstruction 132k.v trans line from gss bettiah to thakraha.	Bettiah will avail power from alternate sources	
540	765 kV BUS-1 at Gaya	20/03/20	09:00	20/03/20	18:00	ODB	POWERGRID ER-I	For AMP work	NLDC	
541	400KV Kishanganj- New Purnea -2	20/03/20	08:00	20/03/20	18:00	ODB	POWERGRID ER-I	For replacement of LA Surge Counter in Y phase & AMP of GIS Bay 423 ; Requested by ER1		
542	400 KV MAIN BUS-2 AT RANCHI	20/03/20	9:30	20/03/20	17:00	ODB	POWERGRID ER-1	Fixing of Stool in Yph Bus-II CVT & AMP	JUSNL	
543	400 kv Bus 2 AT DARBHANGA	20/03/20	08:00	21/03/20	18:00	OCB	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to existing Bus (DMTCL & ATL)	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
544	400kv TISCO- Baripada line	20/03/20	09:30	20/03/20	17:30	ODB	POWERGRID ER-I	Replacement of damaged insulators by miscreants at Loc no 202	DVC	
545	A/R OF 400kv Jamshedpur - Baripada line	20/03/20	09:30	20/03/20	17:30	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	DVC	
546	220 KV Alipurduar - Salakati 1 &2	20/03/20	06:00	21/03/20	18:00	ODB	POWERGRID, ER-II	Replacement of earth wire between section 425-426	NLDC	
547	400KV Binaguri-New Purnea-I	20/03/20	09:00	20/03/20	17:00	ODB	POWERGRID, ER-II	CLR Insulator replacement in Crossings		
548	132kv Rangit Rammam	20/03/20	08:00	20/03/20	17:00	ODB	POWERGRID, ER-II	Insulator replacement at Loc 75-76	WB	
549	715 Main bay of 765KV Sundargarh-Dharamjaygarh ckt-3	20-03-2020	08:30	20-03-2020	18:30	ODB	ER-II/Odisha/Sundargarh	SS AMP	NLDC	
550	400 KV ICT # 2 Main Bay (Bay No-409)	20-03-2020	09:00	20-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking		
551	10852- 132KV Bangriposi Line Main Bay	20-03-2020	09:00	20-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
552	400kv Main Bay of Banka 1 at Biharsharif	20-03-2020	11:00	20-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
553	400kv TIE Bay of Banka 1 and Banka 2 at Bihar sharif	20-03-2020	11:00	20-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
554	Main Bay of 400kV Malda-1 (416-52) at New Purnea	20-03-2020	9:00	20-03-2020	12:00	ODB	POWERGRID ER-1	CT Oil Sampling		
555	Tie Bay of 400kV Malda-1 & Bus Reactor-2 (417-52) at New Purnea	20-03-2020	12:00	20-03-2020	15:00	ODB	POWERGRID ER-1	CT Oil Sampling		
556	Main Bay of 400kV Farakka (419-52) at New Purnea	20-03-2020	15:00	20-03-2020	18:00	ODB	POWERGRID ER-1	CT Oil Sampling		
557	400kV Main bay of AC filter East Side (CWD50Q52) at Sasaram	20-03-2020	9:00	20-03-2020	18:00	ODB	POWERGRID ER-1	AMP work		
558	400kv Main Bay of 400 kV KHG Line -2 AT LAKHISARAI	20/03/20	10:00	20/03/20	17:00	ODB	POWERGRID ER-1	AMP		
559	400KV Tie bay of RKL2 line & 80MVAR BR 1 AT CHAIBASA	20-03-2020	09:30	20-03-2020	17:30	ODB	POWERGRID ER-1	AMP of the 411 bay		



560	Main Bay of 400KV Patratu Line-2 (Bay 424) AT NEW RANCHI	20-03-2020	09:00	20-03-2020	17:30	ODB	POWERGRID ER-I	AMP		
561	220kv Bus coupler bay at Patna	20-03-2020	09:00	21-03-2020	18:00	OCB	POWERGRID ER-I	AMP & CB Overhauling & BCU updrtn works under SS03 package		
562	132 KV Bay of Rangpo-I at Gangtok	20-03-2020	09:00	20-03-2020	14:00	ODB	POWERGRID, ER-II	For Annual AMP Works	Line will charged through TBC	
563	315MVA ICT#II at Keonjhar	21/03/20	09:00	21/03/20	18:00	ODB	ER-II/Odisha/Keonjhar	OTI & WTI Calibration to be check. Shutdown shall be taken if not availed in Feb'2020	GRIDCO	
564	400KV Sundargarh-Raigarh Ckt #4	21/03/20	08:00	21/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work	NLDC	
565	STATCOM VSC-1 at Rourkela	21/03/20	09:00	21/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
566	400kv 80MVAR Bus Reactor 2 at BiharSharif	21/03/20	10:00	22/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
567	400/220 KV 315 MVA ICT-1 at Muzaffarpur	21/03/20	9:30	22/03/20	17:30	ODB	POWERGRID ER-1	RELAY RETROFITTING WORK	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
568	400KV Binaguri-New Purnea-II	21/03/20	09:00	21/03/20	17:00	ODB	POWERGRID, ER-II	CLR Insulator replacement in Crossings		
569	400KV Rajarhat-Jeerat Circuit	21/03/20	09:00	21/03/20	17:00	ODB	POWERGRID, ER-II	Hardwiring and testing of Autoreclose Function(Presently phase initiation coming via goose to the BCU from distance relays)	WB	
570	713 Main Bay of 765KV Sundargarh-Angul ckt-2	21-03-2020	09:00	24-03-2020	18:00	OCB	ER-II/Odisha/Sundergarh	SIEMENS Centre guide valve modification work in Mechanism drive and AMP	NLDC	
571	718 Main bay of 765KV Sundargarh-Dharamjaygarh ckt-4	21-03-2020	09:00	21-03-2020	12:00	ODB	ER-II/Odisha/Sundergarh	OIL Sampling New 718 CT Y Ph	NLDC	
572	400 KV Indravati - BR # 1 Tie Bay (Bay No-411)	21-03-2020	09:00	21-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking		
573	40852- Tie Bay of Duburi line & Jamshedpur line	21-03-2020	09:00	21-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
574	400kv Main Bay of Banka 2 at Biharsharif	21-03-2020	11:00	21-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
575	220kV Side of ICT-2 Bay (206-52) at New Purnea	21-03-2020	9:00	21-03-2020	12:00	ODB	POWERGRID ER-1	CT Oil Sampling		
576	Main Bay of 400kV Gokarna (422-52) at New Purnea	21-03-2020	12:00	21-03-2020	15:00	ODB	POWERGRID ER-1	CT Oil Sampling		
577	Tie Bay of 400kV Farakka & Biharsharif-2 (420-52) at New Purnea	21-03-2020	15:00	21-03-2020	18:00	ODB	POWERGRID ER-1	CT Oil Sampling		
578	400KV SIPAT-1 MAIN BAY (421) AT RANCHI	21-03-2020	9:30	21-03-2020	17:00	ODB	POWERGRID ER-1	AMP		
579	400kv Tie Bay of Nabinagar-I and 500MVA ICT-I at Patna	21-03-2020	09:00	21-03-2020	18:00	ODB	POWERGRID ER-I	AMP		
580	220KV Bus-II at Baripada	22/03/20	09:00	22/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Isolator alignment work	GRIDCO	
581	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-2	22/03/20	07:00	22/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
582	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-1 required A/R in Non-Auto mode	22/03/20	07:00	22/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
583	132 kV Lakhisarai-Lakhisarai Line-1	22/03/20	10:00	22/03/20	14:00	ODB	POWERGRID ER-1	AMP	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
584	400KV Binaguri-New Purnea-I	22/03/20	09:00	22/03/20	17:00	ODB	POWERGRID, ER-II	CLR Insulator replacement in Crossings		
585	220 KV D/C Satgachia - Jeerat TL	22/03/20	08:00	23/03/20	17:00	ODB	POWERGRID, ER-II	Stringing b/w AP 4/0 to 5/0 of 400 KV D/C New Jeerat-Jeerat TL Over existing 220 KV D/C Satgachia - Jeerat Transmission line	WB	
586	220 KV Transfer Bus coupler bay(209 bay)at Daltonganj	22-Mar-2020	09:00	22-Mar-2020	17:30	ODB	POWERGRID ER-1	Bay AMP		
587	220kv main bay of sipara I at Patna	22-03-2020	09:00	23-03-2020	18:00	OCB	POWERGRID ER-I	AMP & CB Overhauling & BCU updrtn works under SS03 package		
588	125MVAR BR-II at Keonjhar	23/03/20	09:00	28/03/20	18:00	OCB	ER-II/Odisha/Keonjhar	Checking & Repairing of Conservator Aircel. Shutdown shall be taken if not availed in Feb'2020		
589	400 KV Rourkela-SUNDARGARH#3 LINE	23/03/20	10:00	23/03/20	13:00	ODB	ER-II/ODISHA/ROURKELA	FOR TAKING THE LINE REACTOR OUT OF SERVICE FOR GASKET REPLACEMENT & OVERHAULING WORKS TO ARREST OIL LEAKAGES		
590	63 MVAR, 400 KV SUNDARGARH#3 LINE REACTOR	23/03/20	10:00	07/04/20	13:00	OCB	ER-II/ODISHA/ROURKELA	GASKET REPLACEMENT & OVERHAULING WORKS TO ARREST OIL LEAKAGES		ALL LINE REACTORS TO BE TAKEN SHUTDOWN DURING ASSOCIATED LINE SHUTDOWN
591	80 MVAR Bus Reactor at Duburi SS	23/03/20	09:00	23/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works	GRIDCO	
592	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-2	23/03/20	07:00	23/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	

593	765KV-RAIPUR-PS (DURG)-JHARSUGUDA-1 required A/R in Non-Auto mode	23/03/20	07:00	23/03/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC	
594	765 kv BUS-II at Gaya	23/03/20	09:00	23/03/20	18:00	ODB	POWERGRID ER-I	For AMP work	NLDC	
595	400 KV MAITHON-GAYA-II	23/03/20	09:00	30/03/20	18:00	ODB	ER-I	Request for deploying Pokhlain Vibrator to excavate the Rock to maintain the Ground clearance.		Photo evidence to be submitted before applying shutdown
596	A/R OF 400 KV MAITHON-GAYA-I	23/03/20	09:00	30/03/20	18:00	ODB	ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
597	125MVAR Bus Reactor 4 at Biharshariff	23/03/20	10:00	24/03/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment		
598	400kV New Purnea Siliguri-1 Line	23/03/20	10:00	23/03/20	18:00	ODB	POWERGRID ER-1	Relay retrofitting works IN 63MVAR Siliguri-1 L/R		
599	A/R of 400kV New Purnea Siliguri-2 Line	23/03/20	10:00	23/03/20	18:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
600	400KV Pusauli- Daltonganj Line-1	23/03/20	9:00	14/04/20	18:00	OCB	POWERGRID ER-1	Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C Line having critical leg bend	JUSNL	
601	A/R OF 400KV Pusauli- Daltonganj Line-2	23/03/20	9:00	14/04/20	18:00	ODC	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	JUSNL	
602	400KV Pusauli-Nabinagar Line-1	23/03/20	9:00	26/04/20	18:00	OCB	POWERGRID ER-1	Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C Line having critical leg bend		TO BE DISCUSSED IN OCC MEETING
603	A/R OF 400KV Pusauli-Nabinagar Line-2	23/03/20	9:00	26/04/20	18:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
604	400 KV Bus 1 AT MOTIHARI	23/03/20	08:00	24/03/20	18:00	OCB	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to existing Bus (DMTCL)		
605	400kV Alipurduar - New Siliguri D/C (QUAD) Line 1 & 2 (STERLITE)	23/03/20	06:00	24/03/20	18:00	ODB	POWERGRID, ER-II	Stringing at crossing between Loc. No. 13/0 - 14/0 of Jigmeling line and loc. No. 292-293 of Sterlite Line		
606	400KV Binaguri-New Purnea-II	23/03/20	09:00	23/03/20	17:00	ODB	POWERGRID, ER-II	CLR Insulator replacement in Crossings		
607	125 MVAR BUS REACTOR-2 at Rajarhat	23/03/20	09:00	23/03/20	17:00	ODB	POWERGRID, ER-II	AMP work of GIS Bay and related equipment prior to completion of one year	WB	
608	66 KV Gangtok-Lagyap(LLHP) Line	23/03/20	09:00	23/03/20	14:00	ODB	POWERGRID, ER-II	For Annual AMP Works	SIKKIM	
609	50 MVAR BR-1 MPL	23/03/20	08:00	28/03/20	18:00	OCB	MPL	OIL FILTRATION AND TESTING WORK		
610	315 MVA ICT-1 IV Side BAY (208 BAY )	23/03/20	09:00 Hrs	23/03/20	18:00 Hrs	ODB	ER-II/Odisha/Balangir	AMP for 208 52CB & 208 CT		
611	714 Tie Bay of 765KV Sundargarh-Angul ckt-2 & 765KV Sundargarh-Dharamjaygarh ckt-3	23-03-2020	08:30	23-03-2020	18:30	ODB	ER-II/Odisha/Sundergarh	SS AMP	NLDC	
612	765kv Srikakulam Ckt 1 Main Bay 729	23-03-2020	09:00	25-03-2020	18:00	OCB	ER-II/Odisha/Angul SS	Guide Valve Replacement	NLDC	
613	220kv Main Bay of 400/220kv 315MVA ICT -3 at Biharsharif (BSEB)	23-03-2020	11:00	23-03-2020	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB		
614	400kv Tie Bay of Varanasi-s/c and futute at Sasaram	23-03-2020	9:00	23-03-2020	18:00	ODB	POWERGRID ER-I	AMP work		
615	400KV SIPAT-2 MAIN BAY (424) AT RANCHI	23-03-2020	9:30	23-03-2020	17:00	ODB	POWERGRID ER-I	AMP		
616	Tie Bay of 400KV Purulia-1 & Patratu-1 (Bay 420) AT NEW RANCHI	23-03-2020	09:00	23-03-2020	17:30	ODB	POWERGRID ER-I	AMP		
617	400kv Tie Bay of Nabinagar-II and 500MVA ICT-2 at Patna	23-03-2020	09:00	23-03-2020	18:00	ODB	POWERGRID ER-I	AMP		
618	765KV Sundargarh-Angul Ckt #1	24/03/20	08:00	24/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work	NLDC	
619	400 KV Rourkela-SUNDARGARH#2 LINE	24/03/20	09:00	24/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	LINE MAINTENANCE WORKS		
620	315 MVA ICT#2 at KTPS, DVC	24/03/20	09:00	24/03/20	17:00	ODB	DVC	To attend oil leakage		
621	220 kv BUS-I at Gaya	24/03/20	09:00	24/03/20	18:00	ODB	POWERGRID ER-I	For AMP work	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
622	400/220KV 315MVA ICT-2 at Biharsharif	24/03/20	10:00	29/03/20	18:00	OCB	POWERGRID ER-I	BUSHING Replacement and OLTC Overhauling	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
623	400kV New Purnea Kishanganj-1 Line	24/03/20	10:00	24/03/20	18:00	ODB	POWERGRID ER-1	Relay retrofitting works IN 63MVAR Kishanganj-1 L/R		
624	400KV 315 MVA ICT-1 AT RANCHI	24/03/20	9:30	28/03/20	17:00	OCB	POWERGRID ER-1	Replacement of 01 No 220 KV (Y-Ph) & 3 Nos 33 KV (R ,Y & BPh) Bushings, LOAD WILL BE RESTRICTED TO 250 MW TO JUSNL THROUGH 315 MVA ICT-2 during the entire S/D period	JUSNL	SUBJECT TO TENUGHAT GENERATION AVAILABILITY
625	400kv Koderma - Gaya-I	24/03/20	08:00	26/03/20	18:00	ODB	POWERGRID ER-I	For changing porcelain insulator by polymer insulator.	DVC	
626	A/R of 400kV Koderma - Gaya-II	24/03/20	08:00	26/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	DVC	

627	132 kV Lakhisarai-Lakhisarai Line-2	24/03/20	10:00	24/03/20	14:00	ODB	POWERGRID ER-1	AMP	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
628	220KV BUS BAR 1 AT CHAIBASA	24/03/20	09:30	24/03/20	17:30	ODB	POWERGRID ER-1	220KV BUS BAR 1 AMP	JUSNL	
629	400KV Bus-2 AT NEW RANCHI	24/03/20	09:00	25/03/20	17:30	ODB	POWERGRID ER-1	AMP		
630	400 KV BUS-2 at Muzaffarpur	24/03/20	9:30	25/03/20	17:30	ODB	POWERGRID ER-1	BUS AMP WORK	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
631	220/132 kV 100 MVA ICT -1 at Rangpo	24/03/20	08:00	28/03/20	16:00	OCB	POWERGRID, ER-II	For rectification of SF6 gas leakage repair work,		
632	220 KV Birpara-New Siliguri Ckt-I	24/03/20	08:00	24/03/20	17:30	ODB	POWERGRID, ER-II	Rectification of displaced VD and Loose A/H and Jumper tightning, damage conductor repair		
633	315 MVA ICT-II at Durgapur	24/03/20	08:00	24/03/20	00:00	ODB	POWERGRID, ER-II	AMP works	DVC	
634	220KV ICT#2 Main Bay (205) at OHPC S/Y	24-03-2020	09:00	24-03-2020	18:00	ODB	ER-II/Odisha/Indravati	AMP works of 220KV ICT#2 Main Bay (205) at OHPC S/Y. During this shutdown Power flow from ICT#2 will be Interrupted.		
635	717 Tie Bay of 765KV Sundargarh-Angul ckt-2 & 765KV Sundargarh-Dharamjaygarh ckt-3	24-03-2020	08:30	24-03-2020	18:30	ODB	ER-II/Odisha/Sundergarh	SS AMP	NLDC	
636	220 KV ICT # 1 Main Bay (Bay No-201)	24-03-2020	09:00	24-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking		
637	403-main bay of 400KV Duburi-Baripada Line at Duburi SS	24-03-2020	09:00	24-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
638	400kV Tie Bay of Allahabad-s/c and futute at Sasaram	24-03-2020	9:00	24-03-2020	18:00	ODB	POWERGRID ER-I	AMP work		
639	220kv main bay of sipara II at Patna	24-03-2020	09:00	25-03-2020	18:00	OCB	POWERGRID ER-I	AMP & CB Overhauling & BCU updration works under SS03 package		
640	765KV Sundargarh-Angul Ckt #2	25/03/20	08:00	25/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work	NLDC	
641	400 KV Rourkela-SUNDARGARH#3 LINE	25/03/20	09:00	25/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	FOR DISMANTALING OF REACTOR BUSHINGS (SHUTDOWN BEING AVAILED AS CLEARANCE IS LESS) & LINE MAINTENANCE		
642	220 kV BUS-II at Gaya	25/03/20	09:00	25/03/20	18:00	ODB	POWERGRID ER-I	For AMP work	BSPTCL	All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC
643	400kv 63 MVAR Swithable L/R of Muzaffarpur-1 at New Purnea	25/03/20	9:00	25/03/20	18:00	ODB	POWERGRID ER-1	Relay retrofitting works IN 63MVAR Muzaffarpur-1 L/R		
644	220KV BUS BAR 2 AT CHAIBASA	25/03/20	09:30	25/03/20	17:30	ODB	POWERGRID ER-1	220KV BUS BAR 2 AMP	JUSNL	
645	400KV Patna Balia CKT 1	25/03/20	09:00	25/03/20	18:00	ODB	POWERGRID ER-I	Replacement of porcelain insulators on road/rail crossing by polymer insulator		
646	A/R OF 400KV Patna Balia CKT 2	25/03/20	09:00	25/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER		
647	400 kv bus 2 AT MOTIHARI	25/03/20	08:00	26/03/20	18:00	OCB	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to existing Bus (DMTCL)		TO BE TAKEN BY 31ST MARCH ELSE TO BE TAKEN AFTER PEAK HYDRO SEASON
648	+800 KV HVDC BNC AGRA	25/03/20	09:00	15/04/20	18:00	OCB	POWERGRID ER-I	PERMANENT SHIFTING OF LINE BY CASTING 02 NEW FOUNDATIONS AND SUBSEQUENT ERECTION AND STRINGING WORK TO BYPASS THE VULNERBALE LOCATION 1619, 1618 WHOSE LEGS /MAIN BRACING HAVE BEEN CUT BY MISCREANTS. DATES TENTATIVE AND SHALL BE CONFIRMED BASED ON SITE CONDITION	NLDC	
649	220 KV Birpara-New Siliguri Ckt-II	25/03/20	08:00	25/03/20	17:30	ODB	POWERGRID, ER-II	Rectification of displaced VD and Loose A/H and Jumper tightning, damage conductor repair		
650	400 KV D/C Arambag - Kolaghat, Arambag - Durgapur TL	25/03/20	08:00	26/03/20	17:00	ODB	POWERGRID, ER-II	Stringing b/w AP 31/0 to 32/0 of 765 KV D/C Medinipur-Jeerat TL Over existing 400 KV D/C Arambag - Kolaghat, Arambag - Durgapur Transmission line	WB	SUBJECT TO WB CONSENT
651	220 KV Bus Coupler Bay (204 Bay)	25/03/20	09:00 Hrs	25/03/20	18:00 Hrs	ODB	ER-II/Odisha/Balangir	AMP for 20/4 52CB & 204 CT		
652	716 Tie Bay of 765KV Sundargarh-Angul ckt-2	25-03-2020	08:30	28-03-2020	18:00	OCB	ER-II/Odisha/Sundergarh	SIEMENS Centre guide valve modification work in Mechanism drive and AMP	NLDC	
653	705 Tie bay of 765KV/400KV 1500MVA ICT-II & 765KV ,240MVAR BR-II	25-03-2020	08:30	25-03-2020	19:30	ODB	ER-II/Odisha/Sundergarh	SS AMP	NLDC	
654	220 KV ICT # 2 Main Bay (Bay No-202)	25-03-2020	09:00	25-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking		
655	40304-Tie bay of Duburi-BPD line & Bus Reactor at Duburi SS	25-03-2020	09:00	25-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
656	400kV Main bay of AC filter North Side (CWD10Q52) at Sasaram	25-03-2020	9:00	25-03-2020	18:00	ODB	POWERGRID ER-I	AMP work		

657	102 bay of 220/132kv ATR-1 at Daltonganj	25-Mar-2020	09:00	25-Mar-2020	17:30	ODB	POWERGRID ER-1	Bay AMP	
658	400kv MAIN BAY OF NABINAGAR- 1 at Patna	25-03-2020	09:00	25-03-2020	18:00	ODB	POWERGRID ER-I	AMP	
659	Bus bar-2 at Indravati	26/03/20	09:00	26/03/20	18:00	ODB	ER-II/Odisha/Indravati	AMP works of Bus-2	GRIDCO
660	400 KV Rourkela-SUNDARGARH#4 LINE	26/03/20	09:00	26/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	LINE MAINTENANCE WORKS	
661	400KV Baripada-Keonjhar line	26/03/20	09:00	26/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Replacement of porcelain insulator into polymer insulator in Tr. line for line crossing	
662	400kv 63 MVAR Swithable L/R of Muzaffarpur-2 at New Purnea	26/03/20	9:00	26/03/20	18:00	ODB	POWERGRID ER-1	Relay retrofitting works IN 63MVAR Muzaffarpur-2 L/R	
663	HVDC at Sasaram	26/03/20	9:00	28/03/20	18:00	OCB	POWERGRID ER-1	Shifting of the 315 MVA spare ICT-1 under the east side filter bus towards designated storing loaction.	NLDC
664	220KV TRANSFER BUS BAR AT CHAIBASA	26/03/20	09:30	26/03/20	17:30	ODB	POWERGRID ER-1	220KV TRANSFER BUS BAR AMP	
665	220 KV Muzaffarpur- Kanti-1	26/03/20	10:30	26/03/20	17:30	ODB	POWERGRID ER-1	LINE BAY AMP WORK	BSPTCL
666	220 KV Bus #1 with Siliguri #1, ICT#1, Birpara#1 & Bus Section-I at Binaguri	26/03/20	09:00	27/03/20	17:00	ODB	POWERGRID, ER-II	Commissioning of Bus #1 Bus bar protection for ICT#3 ERSS-XVII	WB
667	220KV BUSCOUPLER at Rajarhat	26/03/20	09:00	26/03/20	17:00	ODB	POWERGRID, ER-II	AMP work of GIS Bay and related equipment prior to completion of one year	WB
668	315 MVA ICT-III at Durgapur	26/03/20	08:00	28/03/20	00:00	OCB	POWERGRID, ER-II	Oil Flow Pump replacement works with oil drain & oil filtration.	DVC
669	722 Main Bay of 765KV Sundargarh-NTPC Darlipalli ckt-1	26-03-2020	08:30	26-03-2020	19:30	ODB	ER-II/Odisha/Sundergarh	SS AMP	NLDC
670	200 KV OPTCL # 1 Main Bay ( Bay No-208)	26-03-2020	09:00	26-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking	
671	765kv Srikakulam Ckt 2 Tie Bay 725	26-03-2020	09:00	28-03-2020	18:00	OCB	ER-II/Odisha/Angul SS	Guide Valve Replacement	NLDC
672	132 kV Main bay of 400/132kv 200MVA ICT-1 AT LAKHISARAI	26/03/20	10:00	26/03/20	14:00	ODB	POWERGRID ER-1	AMP	
673	132 KV Transfer Bus coupler bay(105 bay) at Daltonganj	26-Mar-2020	09:00	26-Mar-2020	17:30	ODB	POWERGRID ER-1	Bay AMP	
674	220kv main bay of Fatuha line at Patna	26-03-2020	09:00	27-03-2020	18:00	OCB	POWERGRID ER-I	CB Overhauling & BCU updation works under SS03 package	
675	765kv Sundargarh-Darlipalli Ckt 2	27/03/20	08:00	27/03/20	18:00	ODB	ER-II/Odisha/Sundargarh	TL Maint work	NLDC
676	STATCOM ROURKELA (410S)	27/03/20	09:00	27/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS	
677	400KV Baripada-Kharagpur line	27/03/20	09:00	28/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Replacement of porcelain insulator into polymer insulator in Tr. line for line crossing	WB
678	125MVAR Bus Reactor-1 at New Purnea	27/03/20	9:00	27/03/20	18:00	ODB	POWERGRID ER-1	Relay retrofitting works IN 125MVAR Bus Reactor-1	
679	400kv Koderma - Gaya-II	27/03/20	08:00	29/03/20	18:00	ODB	POWERGRID ER-I	For changing porcelain insulator by polymer insulator.	DVC
680	A/R of 400kv Koderma - Gaya-I	27/03/20	08:00	29/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	DVC
681	400KV Patna BaliaCKT 2	27/03/20	09:00	27/03/20	18:00	ODB	POWERGRID ER-I	Replacement of porcelain insulators on road/rail crossing by polymer insulator	
682	A/R OF 400KV Patna Balia CKT 1	27/03/20	09:00	27/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	
683	220 KV Alipurduar - Birpara Ckt I	27/03/20	06:00	28/03/20	18:00	ODB	POWERGRID, ER-II	Attending shut down nature of defects	
684	66 KV Gangtok-Tadong Line	27/03/20	09:00	27/03/20	14:00	ODB	POWERGRID, ER-II	For Annual AMP Works	SIKKIM
685	719 Main Bay of 765KV Sundargarh-NTPC Darlipalli ckt-2	27-03-2020	08:30	27-03-2020	18:30	ODB	ER-II/Odisha/Sundergarh	SS AMP	NLDC
686	400kv D/C PURULIA-RANCHI CKT II	28/03/20	09:00	28/03/20	16:00	ODB	PKTCL	ROUTINE MAINTAINANCE WORK	WB
687	400 KV BALIA-PATNA (PG) CKT-3	28/03/20	08:00	29/03/20	18:00	ODB	POWERGRID ER-I	Replacement of 160 KN porcelain & 120 KN Pilot string in all Tension Tower- 41 Nos by polmer by ER1.	NLDC
688	A/R OF 400 KV BALIA-PATNA (PG) CKT-4	28/03/20	08:00	29/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	
689	125MVAR Bus Reactor-2 at New Purnea	28/03/20	9:00	28/03/20	18:00	ODB	POWERGRID ER-1	Relay retrofitting works IN 125MVAR Bus Reactor-2	
690	400KV Pusauli-Nabinagar Line-2	28/03/20	9:00	11/04/20	18:00	OCB	POWERGRID ER-1	Rectification of Tower No.-: 170 of Pusauli- Nabinagr D/C Line having criticial leg bend	
691	A/R OF 400KV Pusauli-Nabinagar Line-1	28/03/20	9:00	11/04/20	18:00	ODB	POWERGRID ER-1	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	
692	Arambag: 125 MVAR Bus Reactor	28/03/20	07:00	28/03/20	15:00	ODB	WB	MAINTENANCE WORK	
693	220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri	28/03/20	09:00	29/03/20	17:00	ODB	POWERGRID, ER-II	Commissioning of Bus #2 Bus bar protection for ICT#3 ERSS-XVII	WB
694	220 KV D/C Satgachia - Jeerat TL	28/03/20	08:00	29/03/20	17:00	ODB	POWERGRID, ER-II	Stringing b/w AP 154/0 to 155/0 of 765 KV D/C Medinipur-Jeerat TL Over existing 220 KV D/C Satgachia - Jeerat Transmission line	WB
695	200 KV OPTCL # 2 Main Bay ( Bay No-207)	28-03-2020	09:00	28-03-2020	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking	

SUBJECT TO REVIVAL OF MAIN CB OF BUS REACTOR AT INDRAVATI

All proposed shutdowns pertaining to Bihar is put on hold. POWER GRID ER-1 is advise to consult with sldc Bihar about the dates before forwarding to ERLDC

696	220kv Main bay of 400/220kv 500MVA ICT -1 at Patna	28-03-2020	09:00	29-03-2020	18:00	OCB	POWERGRID ER-I	CB Overhauling & BCU updation works under SS03 package	
697	400 KV Rourkela-SUNDARGARH#3 LINE	29/03/20	09:00	29/03/20	18:00	ODB	ER-II/ODISHA/ROURKELA	FOR ERECTION OF REACTOR BUSHINGS (SHUTDOWN BEING AVAILED AS CLEARANCE IS LESS) & LINE MAINTENANCE	
698	400KV Baripada-Pandiabilli line	29/03/20	09:00	29/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Replacement of porcelain insulator into polymer insulator in Tr. line for line crossing	
699	Arambag: 400 KV Main Bus-1	29/03/20	07:00	29/03/20	15:00	ODB	WB	MAINTENANCE WORK	
700	400 KV BALIA-PATNA (PG) CKT-4	30/03/20	08:00	31/03/20	18:00	ODB	POWERGRID ER-I	Replacement of 160 KN porcelain & 120 KN Pilot string in all Tension Tower- 41 Nos by polmer by ER1.	NLDC
701	A/R OF 400 KV BALIA-PATNA (PG) CKT-3	30/03/20	08:00	31/03/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	
702	400KV Balia-Biharsharif- 1 line	30/03/20	10:00	31/03/20	17:00	ODB	POWERGRID ER-I	Replacement of porcelain insulators on road/rail crossing by polymer insulator	NLDC
703	A/R of 400KV Balia-Biharsharif- 2 line	30/03/20	10:00	31/03/20	17:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	
704	400kv Koderma - Biharsarif-I	30/03/20	08:00	01/04/20	18:00	ODB	POWERGRID ER-I	For changing porcelain insulator by polymer insulator.	DVC
705	A/R of 400KV Koderma - Biharsarif-II	30/03/20	08:00	01/04/20	18:00	ODB	POWERGRID ER-I	TO FACILITATE THE S/D OF OTHER CKT ON THE SAME TOWER	DVC
706	220 KV Alipurduar - Birpara Ckt II	30/03/20	06:00	31/03/20	18:00	ODB	POWERGRID, ER-II	Attending shut down nature of defects	SIKKIM
707	66 KV Gangtok-Sherathang Line	30/03/20	09:00	31/03/20	14:00	ODB	POWERGRID, ER-II	For Annual AMP Works	
708	402-main bay of 400KV Duburi-Pandiabilli Line at DUBURI SS	30-03-2020	09:00	30-03-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works	
709	220KV BUS COUPLER BAY (203) AT RANCHI	30-03-2020	9:30	30-03-2020	17:00	ODB	POWERGRID ER-I	AMP	
710	400 KV Rourkela-SUNDARGARH#3 LINE	31/03/20	10:00	31/03/20	14:00	ODB	ER-II/ODISHA/ROURKELA	FOR TAKING THE LINE REACTOR INTO SERVICE AFTER OVERHAULING	WB
711	400kv D/C KHARAGPUR-CHAI BASA CKT II	31/03/20	09:00	31/03/20	16:00	ODB	PKTCL	ROUTINE MAINTAINANCE WORK	
712	400KV 50MVAR SWITCHABLE L/R OF Varansi 1 at BiharSharif	31/03/20	10:00	31/03/20	14:00	ODB	POWERGRID ER-I	CSD Commissioning work	
713	400KV 50MVAR SWITCHABLE L/R OF Varansi 2 at BiharSharif	31/03/20	10:00	31/03/20	14:00	ODB	POWERGRID ER-I	CSD Commissioning work	
714	220 KV main Bus-I	31/03/20	09:00	31/03/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Isolator alignment work	GRIDCO
715	Arambag: 400 KV Main Bus-2	31/03/20	07:00	31/03/20	15:00	ODB	WB	MAINTENANCE WORK	
716	220 KV Bus-coupler Bay (Bay No-204)	31/03/20	09:00	31/03/20	17:00	ODB	ER-II/Odisha/Rengali	For Isolator alignment work and interlock checking	
717	400KV Main bay Balia 2 at Biharsharif	31/03/20	09:30	31/03/20	18:00	ODB	POWERGRID ER-I	AMP Work	
718	400KV Main Bay of Koderma 1 at Biharsharif	31/03/20	09:30	31/03/20	18:00	ODB	POWERGRID ER-I	AMP Work	
719	765KV Main Bay of Fathehpur (707-Bay) at Sasaram	31/03/20	9:00	31/03/20	18:00	ODB	POWERGRID ER-I	AMP Work	NLDC
720	400KV MAIN BAY (406) 400/220KV 315 MVA ICT-2 AT RANCHI	31/03/20	9:30	31/03/20	17:00	ODB	POWERGRID ER-I	AMP	