

# Minutes of

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

Date: 07.02.2020
Eastern Regional Power Committee
14, Golf Club Road, Tollygunge
Kolkata: 700 033

## **Eastern Regional Power Committee**

## Minutes of 165<sup>th</sup> OCC Meeting held on 22<sup>nd</sup> January 2020 at ERPC, Kolkata

List of participants is at Annexure-A.

## Item no. 1: Confirmation of minutes of 164th OCC meeting of ERPC held on 23.12.2019

The minutes of 164<sup>th</sup> OCC meeting were uploaded in ERPC website and circulated vide letter dated 31.12.2019 to all the constituents.

ERPC Secretariat has received a request for amendment against the item no. B9 of OCC minutes. The original minutes as well as amendment sought are as follows:

## **Original Recording**

OCC advised Teesta Urja Limited to coordinate with NHPC for necessary action at their end to maintain reservoir level for the construction work.

## Amendment Requested

Regarding the request of NHPC to Teesta III, it was informed by TUL that the same would be discussed mutually between NHPC and TUL.

Members may deliberate and confirm the minutes of 164<sup>th</sup> OCC meeting.

## **Deliberation in the meeting**

OCC accepted the amendment sort by TUL. Thereafter OCC accepted the minutes of 164<sup>th</sup> OCC Meeting issued by ERPC Secretariat with the above amendment.

## PART A: ER GRID PERFORMANCE

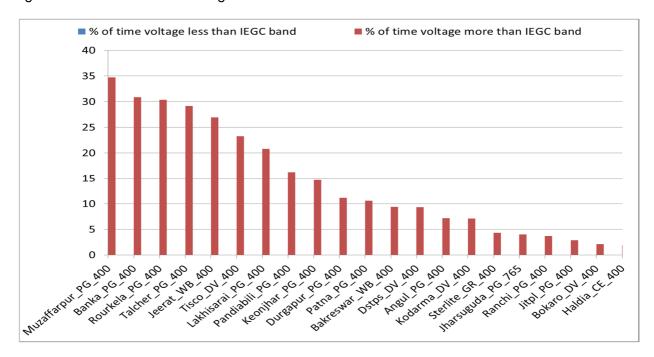
## Item no. A1: ER Grid performance during December, 2019

The average consumption of Eastern Region for December - 2019 was 349 Mu. Eastern Region energy consumption reached a monthly maximum of 363 Mu on 30th December - 2019. Total Export schedule of Eastern region for December - 2019 was 3272 Mu, whereas actual export was 3222 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 November and first week of December. Some of the nodes where voltage is beyond IEGC upper limit for significant amount of time during the month of December are shown below.



It can be seen that many of the high voltage nodes 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

In 164<sup>th</sup> OCC, ERLDC presented the performance of the generators for a case of 1644 MW load loss on 1<sup>st</sup> November 2019.

OCC observed that the governor performance of the ER generators is not satisfactory and some constituents had not submitted the relevant details to ERLDC for detail analysis. During deliberation it was also emerged that there was a confusion in understanding the CERC regulation by the Generators.

DVC informed that they had already taken corrective action for Andal unit 1 and Mejia unit 7 & 8 in consultation with BHEL and ERLDC.

DVC added that the performance of the units would be reviewed and further action would be taken to improve the performance of other units of DVC.

After detailed deliberation, OCC decided the following:

- All the Generators and SLDCs shall formulate a systematic procedure to submit the relevant details to ERLDC for necessary analysis.
- The performance of the Generators shall be submitted to CERC for further necessary action
- ERLDC shall convene a separate meeting with IPPs, ISGS and state wise generators for better understanding of CERC regulations on RGMO/FGMO.

ERLDC informed that a workshop on "Calculation of FRC" would be held at ERLDC, Kolkata on 16<sup>th</sup> & 17<sup>th</sup> January 2020.

OCC advised all the SLDCs and Generating utilities to attend the workshop.

## **Deliberation in the meeting**

ERLDC presented the performance of the Eastern Regional Grid during December 2019. The presentation is enclosed at **Annexure-A1**.

ERLDC presented a detailed analysis of the drawl and generation pattern of the Eastern Regional constituents. It emerged from the presentation that GMR and JITPL were under generated for significant times.

OCC advised GMR and JITPL to maintain the generation as per the schedule.

ERLDC highlighted that the reactive power performance of Adhunik is not satisfactory during high voltage. Adhunik units are not absorbing VAR from Grid during the high voltage.

OCC advised APNRL to take necessary action within a week to improve the reactive power performance.

ERLDC added that reactive power performance of Barh needed to be improved. The performance can be improved as the margin is available for absorbing more VAR during high voltage.

Powergrid informed that 10km out of 42 km reconductoring work of 400 KV Maithon – MPL – II has been completed. Powergrid added that they are unable to progress the work due to severe ROW issues hence they are planning to return the line for operation.

ERLDC informed that on 20<sup>th</sup> January 2020, at 12:36hrs, 1085 MW generation loss occurred at Chandrapur in WR due to bus bar protection operation. ERLDC requested all SLDCs to assess FRC and regional generating units are advised to assess primary frequency response at their boundary area and share the details with ERLDC along with reason of non-satisfactory response (if any) within one week.

## PART B: ITEMS FOR DISCUSSION

## Item No. B.1: 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		. ]	Load reli	ef in MW	7	
110125	(Hz)	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
	Total (MW)	8720	8310	9500	3320	400	30250

<sup>\*</sup>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
Total	820	830	830	840	3320

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.

Members may update.

## **Deliberation in the meeting**

JUSNL informed that revised AUFLS scheme had been implanted 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.

## Item No. B.2: Installation of SPS at 400kV Durgapur (PG) S/S--DVC

With the Installation of the 3<sup>rd</sup> ICT 400/220KV and 400KV Bus Splitting at PGCIL Parulia S/Stn different loading imbalances have been observed in the Interconnected network of DVC.

- (i) Drawl through 220KV Parulia PGCIL Parulia DVC Tie Line has increased and on occasions load reaches to the tune of 220 -230MW per line.
- (ii) Sometimes 25% of this power is again transferred to WBSETCL Bidhannagar through the 220KV D/C DTPS (DVC) WBSETCL Bidhannagar Tie Line although a 400KV D/C Connectivity exists between PGCIL Durgapur and WBSETCL Durgapur. For this ERLDC occasionally has to open the 220KV DTPS WBSETCL Durgapur Tie Line for system stability.
- (iii) Unit Generation at MTPS and DTPS have to be maintained at a certain level to avoid overloading of 220KV D/C Parulia PG Parulia DVC Tie Line.
- (iv) Power in 2 No's ICT in PGCIL Durgapur would flow from 400KV to 220KV and in One in the reverse direction.

This problem has been discussed at different Forums and finally at the CEA and CTU level the following was submitted and has already been placed in the AGENDA for 1<sup>st</sup> ERPC-TP which was supposed to be held on January 2019. Inference was as follows:

- (i) Second 220KV D/C Line between Durgapur PG and Parulia DVC (approx 1 KM) along with associated bays at both ends. However DVC may also opt for bunching of conductors to save for additional bays, provided the capacity of bay equipment support the higher current on account of bunching.
- (ii) Shifting of 400/220KV, 315MVA ICT 1 from Durgapur A section to Durgapur B Section in the space vacated by shifting of bus reactor ( Shifting of 420KV 125MVar bus reactor 4 in Durgapur B section is required to create space for shifting and installation of 400/220KV, 315MVA ICT-I.

Incidentally 220KV D/C Parulia PGCIL – DVC Parulia lines are very important tie lines and complete disconnection of both the lines may have an adverse effect on the DVC system. In the present scenario, tripping of one of the 220KV Lines would create overloading of the other line causing the same to trip, thereby causing a complete 220KV TIE disconnection from CTU. The above 2 inference would completely mitigate the problem.

Till the implementation of the above, implementation of SPS at PGCIL end may be looked into wherein with the tripping of one number 220KV PGCIL – DVC Tie line, 2 numbers of ICT may be tripped so that one ICT along with one 220KV Tie Line would be sufficient to meet the loads of DVC with 220KV D/C DTPS(DVC) – WBSETCL Bidhanngar tie supporting for the rest.

Since DVC is the sole beneficiary in 220KV system from PGCIL Durgapur, hence tripping of ICT would not hamper any other interconnecting system.

Members to discuss.

## **Deliberation in the meeting**

It was informed that issue of overloading of 220kV Durgapur(PG)-Parulia D/c line was discussed in different fora. From the discussion, it was emerged that loading of 220kV Durgapur(PG)-Parulia D/c line would be reduced after commissioning of LILO of 220kV Waria-Parulia line at DSTPS.

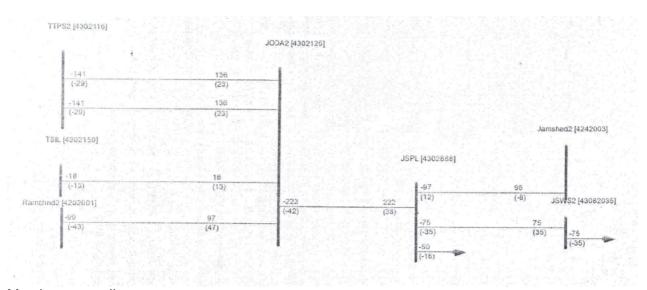
DVC added that LILO would be completed tentatively in last of March 2020.

After detailed deliberation, it was decided that requirement of SPS at Durgapur (PG) would be discussed based on the real time power flows after commissioning of LILO of 220kV Waria-Parulia line at DSTPS.

## Item No. B.3: Implementation of SPS to avoid overdrawal 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.



Members may discuss.

## **Deliberation in the meeting**

DVC in principle agreed to provide maximum 55 MW (50 MW of JSPL load and 5 MW of JSW load) from 220kV Jamshedpur S/s, however 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.

## Item No. B.4: 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 21st 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 164<sup>th</sup> OCC, Bihar informed that the testing of ADMS would be done by end of December 2019.

ERLDC informed that they would prepare a draft regarding uniform logic and settings for ADMS and would give a presentation on this in next OCC Meeting.

ERLDC may give a presentation. Members may discuss.

## **Deliberation in the meeting**

Bihar informed that ADMS had been tested on 10th January 2020 but it was not successful.

ERLDC gave a presentation on the uniform logic. The presentation is enclosed at **Annexure-B4**. The proposed logic for ADMS operation is given below:

If frequency is less than 49.9 Hz for 3 minutes and Overdrwal/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.

## 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:

S. No.	Power Plant	Thermal/Hydro	Cap (MW)
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	Thermal	750
	Power Project		
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.

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

In 162<sup>nd</sup> OCC, WBPDCL 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> <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 thei 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.

WBPDCL 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.

## C. Issues related to AGC at Barh Stage-II (both units)

NTPC informed that AGC at Barh Stage-II (both units) had been implemented on 23<sup>rd</sup> August 2019. But they are facing following issues related to AGC Implementation:

- 1. AGC Down schedule during Technical Minimum SG (Effective Ex Bus Schedule less than Technical Minimum- 680.63 MW)
- 2. AGC UP Schedule during full SG (Effective Ex Bus Schedule more than full capacity-1237.5 MW)
- 3. Ramp Rate more than declared Ramp Rate (90 MW in a 15 Min block) due to AGC Schedule.
- 4. Violation of sign change regulation due to AGC schedule

In 42<sup>nd</sup> TCC, NLDC confirmed that ramping issue has already been addressed.

NTPC and NLDC agreed to interact and settle the remaining issues.

Members may update.

## **Deliberation in the meeting**

Members noted.

## 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 in 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.

Powergrid may update.

## **Deliberation in the meeting**

Powergrid informed that both circuits of 400 kV Kishenganj-Patna D/C line would be restored through ERS within two days.

It was informed that a special meeting with the concerned utilities would be held at Patna on 24<sup>th</sup> January 2020.

### 2. 400 kV Purnea-Biharshariff D/c lines:

In 161<sup>st</sup> OCC, ENCIL informed that they were planning for the permanent restoration of the line using special high-performance conductor (HPC with ACCC conductor) between tower AP46/9A and AP47/1. 400 kV Purnea-Biharshariff D/c would be restored by end of November 2019.

In 162<sup>nd</sup> OCC, ENICL informed that 400 kV Purnea-Biharshariff D/c would be restored by 30<sup>th</sup> November 2019.

MS, ERPC submitted that ENICL had repeatedly changed their schedule of restoration of the line. He advised ENICL 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, ENICL informed that 400 kV Purnea-Biharshariff D/c would be restored by 30<sup>th</sup> November 2019.

In 164<sup>th</sup> OCC, ENICL informed that stringing of the conductor had been completed and stringing of OPGW is in progress.

ENICL added that they would charge 400 kV Purnea-Biharshariff D/c line by 27<sup>th</sup> December 2019.

ENCIL vide mail dated 29th December 2019 informed that 400 kV Purnea-Biharshariff D/c line was charged successfully on 29th December 2019.

### **Deliberation in the meeting**

Members noted.

### 3. 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 Gorakhpur –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 a special meeting with the concerned utilities would be held at Patna on 24<sup>th</sup> January 2020.

## Item No. B.7: Detailed guidelines for assessment of ramping capability of thermal ISGS-ERLDC

Proviso (iii) to regulation 30(2) of CERC (Terms and Conditions of Tariff) regulations, 2019 specify that

- "In case of thermal generating stations with effect from 1.4.2020:
- a) Rate of return on equity shall be reduced by 0.25% in case of failure to achieve the ramp rate of 1% per minute;
- b) An additional rate of return in equity of 0.25% shall be allowed for every incremental ramp rate of 1% per minute achieved over and above the ramp rate of 1% per minute, subject to ceiling of additional rate of return on equity of 1.00%

Provided that the detailed guidelines in this regard shall be issued by National Load Dispatch Centre by 30.6.2019"

As per the direction detailed guidelines for operationalization of this provision have been prepared by NLDC and published on POSOCO website seeking feedback from stakeholders. The draft detailed guidelines are posted at the following link

"https://posoco.in/wp-content/uploads/2020/01/Ramp\_Assessment\_detailed-guidelines\_6Jan2020.pdf"

Suggestions/feedback on these draft guidelines for assessment of ramping capability of thermal inter-state generating stations may kindly be forwarded to <a href="mailto:feedback-ramp@posoco.in">feedback-ramp@posoco.in</a> by 21st January 2020. Considering the suggestions and feedback received, the guidelines would be finalized and issued.

Members may note.

## **Deliberation in the meeting**

Members noted.

## Item No. B.8: Testing and Calibration of Special type Energy Meter

Presently, POWERGRID have installed about 1310 nos. of Special Energy meters of 0.2 class accuracy in 765/400/220/132kV substations at about 189nos of locations in Eastern Region covering states of Orissa, West Bengal, Sikkim, Bihar and Jharkhand.

Out of 1310 no of meters installed in ER, around 768 meters (all L&T make) at 157 locations are more than five years old. Moreover, Testing and calibration of around 307 Interface meters in ER was last carried out in year 2013 i.e. more than 6 years ago. A list of 140 no of meters which are severely drifted in time is already communicated to POWERGRID for replacement and accordingly, replacement work has started. In view of the above, remaining 628 meters may be tested and calibrated as per the provision of aforesaid regulation. Further Time correction of meters of drifted meters may also be done (under testing and calibration).

In 162nd OCC, Powergrid submitted that out of 768 L&T meters, 140 would be removed from service by November 2019. Testing will be done for the remaining meters and the detailed plan

for the same including cost of testing would be submitted in the upcoming OCC. Powergrid clarified that in case of any abnormal results found during the testing, those L&T meters would be replaced by Genus meters and the defective L&T meters would be sent for calibration.

In 163<sup>rd</sup> OCC Meeting held on 15.11.19, POWERGRID informed that they received the offer of 68 Lakhs (approx.) for testing and calibration of said 628 L&T meters.

OCC referred the issue to Commercial Sub-Committee for concurrence.

In 41<sup>st</sup> CCM, POWERGRID representative informed that the testing and calibration of 628 L&T meters is required as per the provisions of existing metering regulation since they were tested and calibrated a long back. Further, if any, time correction is necessary that would also be done.

However, ERPC and ERLDC opined that CEA is coming up with new metering regulation along with technical specifications (5 min & 15 min provision) of meters for future requirement of grid. Since the testing and calibration of the proposed meters has cost implication, it was agreed that the same may kept in abeyance till issuance of further guidelines or regulations by competent authority.

The Matter was referred to forthcoming TCC/ERPC meeting.

In 42<sup>nd</sup> TCC, TCC decided the followings:

- 50 % of total old L&T Meters shall be tested and calibrated.
- ERLDC shall prepare the priority list for SEMs to be tested which are old and highly time drifted.
- Powergrid shall carry out testing and calibration for the old L&T meters as per the list.

In 164<sup>th</sup> OCC, ERLDC submitted the priority list of meters to be tested & calibrated. The list is enclosed at **Annexure-B8**.

Powergrid should take necessary action expeditiously on receipt of requisite information from ERLDC and inform the progress made in the next OCC Meeting.

ERLDC and Powergrid may update.

## **Deliberation in the meeting**

Powergrid informed that necessary action has been taken to carry out testing and calibration of the meters. It would take 6 months to complete the work.

## 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 31st March 2020.

Members may update.

## **Deliberation in the meeting**

Members updated the status. The updated status is enclosed at Annexure-B9.

## Item No. B.10: FGD phasing plan for units commissioned after 31.03.2018--CEA

CEA requested to provide the phasing plan for the following units commissioned after 31.03.2018:

S.N	Developer	Project Name	Sector	State	Region	Unit No	Cap. (MW)	DT-of COMMISSIONING (DD/MM/YYYY)
1	NTPC	Nabi Nagar TPP	Central	Bihar	ER	U-3	250	26/02/2019
2	NTPC	Nabi Nagar STPP	Central	Bihar	ER	U-1	660	29/03/2019
3	OPGCL	lb valley TPP	State Se	Odisha	ER	U-3	660	20/04/2019
4	OPGCL	lb valley TPP	State Se	Odisha	ER	U-4	660	11/05/2019

NTPC and OPGC may update.

## **Deliberation in the meeting**

NTPC and OPGC submitted the FGD plan as given below:

BRBCL unit 3 10.04.2023
 NPGC unit 1 14.06.2022
 OPGC unit 3 & 4 31.12.2023

## Item No. B.11: WIDE DEVIATION OF REAL TIME GENERATION/SCHEDULE GENARATION(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.

Members may discuss.

## **Deliberation in the meeting**

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.

## Item No. B.12: Segregation of Tala and Chukha Energy--ERLDC

Order related to Dagachu scheduling was issued by Honorable CERC on 11<sup>th</sup> Sept'14 vide order no 187/MP/2014. Para 15(ix) of this order is stated below:

### Ouote

(viii) From the total power injected at Binaguri (New Siliguri) and Birpara, the actual injection of Dagachhu power as furnished by NLDC Bhutan / the designated Nodal Agency shall be subtracted to arrive at the total power of Tala and Chukha injected at Indian periphery.

(ix) The total power of Tala and Chukha so arrived above will be apportioned amongst Tala and Chukha in the ratio of the Tala and Chukha receipt at Indian periphery in the corresponding month of the previous year as per the published figure in the Regional Energy Accounts.

Unquote

In view of the above, Tala and Chukha actual generation were calculated on the basis of REA of corresponding month of previous year. After deriving the components of injection of Tala and Chukha at Indian periphery, figure is forwarded to ERPC.

However, it was observed during the lean season that after adjusting Dagachu Power from the export of net power from Bhutan power at Indian Boundary, Bhutan has net import of India Power and accordingly, Bhutan REA during lean hydro season of previous year is as below:

Month	Chukha	Tala (Binaguri	Ratio for Tala-	Ratio applied for
	(Birpara	Receipt)	Chukha	Segregation
	Receipt) MWh	MWh	Segregation	
				Ratio of Dec'18 wef
Jan'19	2614.622		N/A	01.12.2019 and
				continued
Feb'19	6630.766		N/A	Decision pending
Mar'19	30757.309		N/A	Decision pending
			11/11	

In view of above, due to non-availability of Binaguri receipt data at Indian Periphery, segregation of Tala and Chukha energy at Indian Periphery for the month from Jan'19 to March'19 is not possible.

Members may discuss and finalize the method.

## **Deliberation in the meeting**

OCC decided to consider January 2018 to March 2018 data for segregation of Tala and Chuka energy at Indian Periphery.

## Item No. B.13: Replacement of energy meter of 400kV Tata-Binaguri-II at Binaguri--DGPC

DGPC informed that Power Grid has replaced the main energy meter of 400kV Tala-Binaguri feeder-II at Binaguri on December 24, 2019 without any intimation to Tala Power Plant (DGPC). It came to the knowledge of Tala HEP only during midnight while collecting the energy meter Minutes of 165<sup>th</sup> OCC Meeting

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reading from Binaguri end for the day. This clearly shows the energy meter was replaced without taking shutdown of the line and energy for the time taken to replace the meter was therefore, not accounted.

DGPC and Powergrid may explain.

## **Deliberation in the meeting**

OCC advised Powergrid to intimate the concerned utilities of Bhutan before replacing the energy meter.

ERLDC agreed to take care the energy computation during the meter replacement period.

## Item No. B.14: 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 Terms of Reference (TOR) are as follows:

- a) To review the provisions of Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010 based on past experience, recent developments in the power system of India, changes in market structure and the future challenges which includes high level of renewable penetration in the grid, introduction of new products in market.
- b) Suggest appropriate regulatory intervention and prepare draft IEGC making recommendation for proposed amendment or changes in the existing Grid Code.

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 <a href="http://cercind.gov.in/2020/reports/Final%20Report%20dated%2014.1.2020.pdf">http://cercind.gov.in/2020/reports/Final%20Report%20dated%2014.1.2020.pdf</a>

Members may note.

## **Deliberation in the meeting**

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.

## Item No. B.15: 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.

Members may note.

## **Deliberation in the meeting**

OCC advised all the constituents to give their comments at the earliest to <u>erldcprotection@posoco.co.in</u>.

## Item No. B.16: Additional agenda

1. Upgradation of existing Differential/REF/Backup over current Relays in different ICT/Reactor and Distance relay in different feeders of ER-I (From Static to IEC-61850 Compliant Numerical Relays).--Powergrid

In various Sub-stations of POWERGRID ER-I which were commissioned before 2010 are having static type differential, Back up over current, REF relays installed in ICT/Reactor also in some transmission lines old & outdated distance relay .e.g EPIC also installed. In such relays DR , event data storing features are not available which create difficulty while analysis of tripping. Furthermore, service and spare support of such relay are not available from the respective OEM, in case of any issue arise during service due to end of life of product. Considering above and to make the system more reliable, POWERGRID ERTS-I has planned for phase wise replacement of existing static type above mentioned relays with numerical one. Shutdown of few elements in which relay replacement works carried out has been proposed in 160th OCC. As S/D of the elements taken for system improvement as well as increasing the reliability of the system, outage of the elements taken on account of said relay replacement may kindly be considered as deemed available as per the provisions of the regulation.

## **Deliberation in the meeting**

It was informed that the deemed availability would be considered as per the CERC guidelines.

## PART C: ITEMS FOR UPDATE

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

UFR Healthiness Certification for the month of December 2019 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**

Bihar was advised to review the UFR feeders as per the revised system configuration and suggested to shift the UFRs to unimportant radial loads.

## 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, WBPDCL
- 3. Tata Power Islanding Scheme, Haldia
- 4. Chandrapura TPS Islanding Scheme, DVC
- 5. Farakka Islanding Scheme, NTPC
- 6. Bandel Islanding Scheme, WBPDCL

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 December, 2019 has been received from CTPS, DVC, NTPC, West Bengal, JUSNL, WBPDCL 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**

Members noted.

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

The Status of healthiness certificate for December, 2019 is given below:

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

Members may update.

## **Deliberation in the meeting**

Members noted.

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

On 31<sup>st</sup> January 2019, PSS Tuning Meeting was held at ERPC. All generating utilities were advised to complete the PSS tuning of their plant at earliest for improvement of damping in the grid during transients. In addition, the tuning reports have also to be submitted to ERLDC/ERPC for their validation.

In line with this ERLDC has communicated to following utilities in view of the recent oscillation observed during various events.

In 42<sup>nd</sup> TCC, members updated the status as follows:

Generating Power Plant	Observation	Status of Action Plan to be informed to OCC
All Units of DVC Generating Plant	Oscillation Observed at DSTPS on 24th April 2019 and other Oscillation events in the past.	DVC gave consolidated plan for its units in 162nd OCC
All Units of OPGC and OHPC, Sterlite	PSS are tuned long back and in many units PSS have not been tuned but are in service.	OPGC units—Feb 2020 OHPC informed that they will submit the plan in January 2020.
		Teesta-III: PSS Tuned on 21 Oct. 2019.
Sikkim Hydro Complex (Teesta-III, Teesta-V, Chujachen, Dikchu,	In view of Oscillation during the 16th April 2019 events and changes in Network configuration in Sikkim hydro	Dikchu: Done on 23 <sup>rd</sup> Nov. 2019.
Tashiding, Jorethang)	Complex with augmentation of lines	Jorethang: Jan. 2020 Chujachen and Tashiding: Feb 2020 Teesta-V: March 2020
MPL Plant	Due to Change in Network configuration during to bus splitting at Maithon.	MPL Unit-2: 14th June-2019 during AOH. MPL Unit-1: Planned during AOH in Jan-2020.
APNRL Plant	Oscillation with Low Damping during transient and switching observed at the plant.	APNRL attempted in Nov 2019 but not successful.
Farakka NTPC Power Plant	With Augmentation of new lines and changes in network configuration with upcoming bus split at Kahalgaon.	PSS Tuning of Unit 4, 5 and 6 has been done. Unit 1&2 are planned in December 2019. Unit 3 after

		overhauling.
NPGC/BRBCL/KBUNL	The new units have been commissioned	NPGC: December 2019—
NTPC Power Plant	however there are no details on the PSS	report recieved
	tuning activity in line with Indian	BRBCL: Unit 2 completed.
	Electricity Grid Code and CEA Grid	
	Connectivity Standards	
GMR	Was done in 2013 and retuning is	During overhauling in Dec
	required with change in the network at	2020
	Angul.	
Sterlite 4 X 600 MW	Due to network changes.	Plan not yet submitted (Orissa
		SLDC)

TCC advised all the concerned generating stations to take appropriate action to carry out PSS tuning of their units as per the schedule and submit the report to ERPC and ERLDC.

In 164<sup>th</sup> OCC, ERLDC placed the detail list of generators where the PSS tuning is yet to be done and PSS tuning details received from the generators. Details are enclosed at **Annexure-C4**.

OCC advised all the concerned generators to submit the plan to carry out the PSS tuning.

Members may update.

## **Deliberation in the meeting**

HEL informed that PSS tuning of HEL units had been done.

OCC advised all the generators to go through Annexure C4 and submit the action plan to carry out the PSS tuning.

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	T7 import	TC t(MW)	RM(	RM(MW)		ATC Import (MW)		
140		Import	Export	Import	Export	Import	Export		
1	BSPTCL	5300		100		5200		Jan-20	
2	JUSNL	1172		31		1141		Apr-20	
3	DVC	1465	2873	63	50	1402	2850	Apr-20	
4	OPTCL	3293	1112	86	62	3207	1053	May-20	
5	WBSETCL	3639		400		3238		Jan-20	
6	Sikkim	295		2.5		292.5		Dec-19	

Members may update.

## **Deliberation in the meeting**

ERLDC informed that Sikkim had discontinued to send the ATC and TTC.

OCC advised Sikkim to compute the ATC and TTC and send the details to ERLDC on monthly basis.

## 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	chedule Tentative Date		Tentative Date
		Test-I	1	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	the governing systems of the units	February 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 ofJune 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	12 <sup>th</sup> Feb 2020
6	Balimela	3 <sup>rd</sup> week of October 2019	Done on 17 <sup>th</sup> July 2019	1st week of March 2020	Dec 2019
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	December 2019
10	TLDP-III	1st Week of June 2019		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	19 <sup>th</sup> & 20 <sup>th</sup> Feb 2020

Members may update.

## **Deliberation in the meeting**

Members updated the status as mentioned in above table.

## Item no. C.7: Mock Blackstart and controlled separation exercise at Teesta III--ERLDC

As per IEGC each blackstart capable power plant needs to demonstrate its blackstart capability twice every year. Further as per the schedule the mock black start of Teesta-III is scheduled in the end of October 2019. Thus to carryout mock black start exercise with radial load of Bihar at Kishanganj and nearby substations a two steps procedure is proposed.

## Step-1:- Controlled separation of one running unit at Teesta-III with loads at Kishanganj (Bihar) for formation of Island

A controlled island will be formed in first step by taking some local load at 220 kV Kishanganj (Bihar), this requires bus split arrangement at Teesta-III, 400 kV/220 kV Kishanganj (PG) and

220 kV Kishanganj(Bihar). Once island is formed, system is expected to run in islanded mode for 15-20 minutes. After Tessta-III unit will be switched off resulting in collapse of island.

## Step-2:- Blackstart of one unit at Teesta-III and extension of power to Kishanganj

Then after tripping the machine blackstart needs to be initiated from DG set and after successful synchronisation of one of the unit power will be extended to the loads of already created island, the island may be operated with the loads for 15-20mins, before synchronising with grid at 400 kV Kishanganj(PG)

Teesta III is a pelton turbine so it may operate on any load. However, Minimum requirement of 20 MW has been known by telephonic conversation with station personnel.

In 162<sup>nd</sup> OCC, ERLDC informed that it is a preliminary scheme, the detailed scheme would be prepared and it will be circulated to concerned utilities. The scheme would be finalized after receiving the suggestions from concerned utilities.

In 164<sup>th</sup> OCC, ERLDC informed that they had received the relevant details. They would conduct a meeting with the concerned constituents through VC for finalization of scheme.

Members may discuss.

## **Deliberation in the meeting**

A meeting was held in ERLDC on 22<sup>nd</sup> Jan 2020 for discussing the mock black start exercise wherein the following was agreed:

- 1. Mock black start exercise of Teesta III HEP will be done in the month of March 2020 (as per the schedule finalized by OCC)
- Load will be extended to 132 kV radially connected loads from Teesta III through one 400 kV bus at Teesta III HEP one 400 kV bus at Kishanganj (PG) One 400/220 kV ICT at Kishanganj (PG) one 220 kV bus at Kishanganj (PG)- one 220 kV Kishanganj Kishanganj circuit One 220 kV Kishanganj (BSPTCL) bus 220/132 kV ICT at Kishanganj (BSPTCL) 132 kV Kishanganj Bus.
- 3. Following information to be sent by Teesta III HEP/Powergrid/BSPTCL to ERLDC

Information to be shared	Utilities
400/220 kV SLD of Kishanganj S/S (both PG and BSPTCL),	PG ERTS – I
Availability of 132 kV B/C or 132 kV bus sectionalizer at	& BSPTCL
Kishanganj S/S (BSPTCL)	
Radial load from Kishanganj (BSPTCL) during noon (From 11 am	BSPTCL
to 5 pm schedule is zero)	
Minimum load step change along with forbidden zone (if any)	Teesta III
	HEP

4. After receiving above information, ERLDC will formulate plan for mock black start in consultation with stakeholders.

Item no. C.8: Summary of Status Update on Previous agenda items in OCC

occ	Agenda	Decision	Status Update		
152	Item No. B3:	Powergrid informed that M/s GE	Powergrid informed that		
	Installation of PMUs for	had agreed to supply and install	4 no's PMUs for 4		
	observation of the	of 4 no's PMUs for 4 STATCOMs	STATCOMs have been		
	dynamic performance	in the Eastern Region within the	installed.		
	of STATCOMs	quantity variation clause under			
		the existing URTDSM Project.			
155	C.22: Collection of	OCC advised all the constituents	157 <sup>th</sup> OCC advised all the		

	modeling data from Renewable as well as conventional energy generators: ERLDC	to submit the details of renewable power plants of 5 MW and above.	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.  Bihar/ West Bengal and Orissa are having Solar Plant with more than 5 MW capacity. However, details were recived only from some of the plants in Odisha.
156	Low frequency Oscillation at MTDC BNC-ALP-Agra	OCC Advised ERTS-2 to submit the analysis report to ERLDC/ERPC	Powergrid informed that the issue was referred to ABB, Sweden. The report is yet to be received from ABB.
156	Item no. C.20: Updated Black Start and Restoration procedure of StateERLDC	Bihar, Jharkhand, DVC, West Bengal and Orissa have submitted the updated restoration procedure.	Restoration procedure form Sikkim is yet to be received. Mail has been given by ERLDC to SLDC for early submission.
156	Item No. B.12: Status of Auto-Reclosure on Lines from Tala and Chukha Hydro Power Plant (Bhutan)	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.  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.	In 159th 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.  The experience on 220 kV Chukha-Birpara in the form of successful A/R has been observed on 25th June 2019.  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.
160 OCC	Bypassing arrangement of LILO of 400kV Lines at Angul	Powergrid informed that bypass arrangement would be completed by end of August 2019.  OPTCL informed that 2nd circuit of 400kV Meramundali-	Powergrid informed that the bypassing arrangement has been completed.  OPTCL informed that 2nd circuit of 400kV
		Mendhasal line would be commissioned by end of August 2019.	Meramundali-Mendhasal line is ready for commissioning.

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.

Powergrid placed the scheme of Bypassing arrangement of LILO of 400kV Lines at Angul and explained the scheme in detail.

Powergrid informed that two group settings have to be adopted at Bolagir, Talcher and Meramundali. Powergrid added that they received confirmation for the same from Bolangir and Talcher.

OCC advised OPTCL to implement the settings and send the confirmation to Powergrid, ERPC and ERLDC.

Members may update.

## **Deliberation in the meeting**

Members updated the status as mentioned in above table.

Item no. C.9: 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/
West Bengal, 220 kV Waria-Bidhan Nagar D/C		N-1 Contingency	3 <sup>rd</sup> ICT at Bidhan Nagar would be installed.
CESC, PGCIL	220 kV Shubhasgram- EMSS D/C	N-1 Contingency	
WBSETCL, PGCIL	220 kV Newtown-Rajarhat D/C	N-1 Contingency	
WBSETCL	220 kV Howrah-New- Chanditala D/C	N-1 Contingency	

DVC, PGCIL	220 kV Durgapur (PG)- Parulia D/C	N-1 Contingency	Discussed in State Standing Committee Meeting
Jharkhand, PGCIL	220 kV Hatia-Ranchi D/C	N-1 Contingency	3 <sup>rd</sup> ckt of 220 kV Hatia- Ranchi has been commissioned.
Bihar	220 kV Mujaffarpur-Hazipur D/C	N-1 Contingency	A New 400/220/132 kV substation 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:-
Bihar	220 kV Hazipur-Amnour D/C	N-1 Contingency	<ul> <li>Chapra(new)-Amnour DCDS</li> <li>Chhapra(new)- Goplaganj DCDS</li> </ul>
Bihar, PGCIL	220 kV Patna-Sipara T/C	N-1 Contingency	Two nos. of 400/220/132 kv Jakkanpur 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	Overlaod of 220 kV Khagaul- Sipara	Already resolved by addition of 02 mor 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 substation at Chandauti has been proposed with connectivity at 220 kV by LILO of both circuits of Gaya(PG)-Sonenagar(new)

OCC advised all the utilities to share their short term and long term action plans to remove the constraint to ERLDC. However till date action plan from none of the constituent is received.

Input received from BSPTCL vide letter dated 06-November-2019 are as shown above. All proposed action plans are long term in nature. Further the time line for the implementation of action plan is missing.

In 163<sup>rd</sup> OCC, DVC and WBSETCL agreed to submit the action plan by next month.

OCC advised other constituents to submit the action plan at the earliest.

JUSNL, WBSETCL and CESC may update.

## **Deliberation in the meeting**

WESETCL informed that power flow in 220 kV Howrah-New-Chanditala D/C line is high due low generation availability at KTPP.

WBSETCL added that power flow in 220 kV Newtown-Rajarhat D/C would be reduced after commissioning of 400kV Rajarhat S/s and 765 kV network.

## 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 our 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 month 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	Agency/	Scheme	(ERSS/	Schedule	Projected	Issue
Elements	Owner	TBCB/	Standing	Completion	Month f	or Being
		Committee	VStata	-	Completion	Faced
		Committee	Joiale		Completion	raceu

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 as per the format.

List of upcoming Transmission Element is received from Bihar and Jharkhand and same is attached in **Annexure-C10**.

DVC, OPTCL, WBSETCL and Sikkim may update.

## **Deliberation in the meeting**

OCC advised DVC, OPTCL, WBSETCL and Sikkim to submit the relevant 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.

Powergrid may update.

## **Deliberation in the meeting**

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.

## 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:

Name of Utility	Whether End Equipment Rating Submitted or Not?				
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**

OCC advised all the transmission utilities 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 attached in **Annexure-C13**.

Members may discuss.

### Deliberation in the meeting

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

## PART D:: OPERATIONAL PLANNING

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

The abstract of peak demand (MW) vis-à-vis availability and energy requirement vis-à-vis availability (MU) for the month of February 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 February 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 February 20

Generator shutdown for February 20:

System	Station	Unit	Capacity	Period		No. of Days	Reason
			(MW)	From	To		
DVC	CTPS	8	250	22.02.20	28.03.20	8	COH (Blr,Turb,Gen.)
ODISHA (NTPC)	Talcher TPS	1	60	01.02.20	15.02.20	15	АОН
WBPDCL	Kolaghat TPS	4	210	01.02.20	15.03.20	29	СОН
CESC	Titagarh TPS	2	60	22.02.20	07.03.20	8	Not Specified
NTPC	FSTPS	1	200	17.02.20	22.02.20	12	Boiler acid cleaningDDCMIS R&M+HPT LPT
	0	2	60	22.02.20	07.03.20	8	

Chuzachen vide mail dated 18<sup>th</sup> December 2019 informed that 2X55 MW Chuzachen HEP will be under periodical maintenance of the Dam and turbine components& remain unavailable to the Grid with effect from 04/02/20 to 18/02/20.

Dikchu informed that they are taking total plant shutdown required from 21:00 hrs of 30th Jan' 2020 to 21:00 hrs of 2nd Feb' 2020 (72 Hours) for silt flushing & other maintenance works at DAM. Dikchu generation will be zero during this duration.

ERLDC may place the list transmission line shutdown discussed on 20<sup>th</sup> January 2020 through VC.

Members may confirm.

## **Deliberation in the meeting**

The generator shutdown for Feb 2020 is given below:

System	Station	Unit	Capacity	Period		No. of Days	Reason
			(MW)	From	To		
DVC	MTPS						СОН
DVC	MIPS	1	210	11.02.20	21.03.20	41	(Blr,Turb,Gen.)

WBPDCL	Kolaghat TPS	4	210	01.02.20	15.03.20	29	СОН
CESC	Titagarh TPS	2	60	22.02.20	07.03.20	8	Not Specified
NITTOC	ECTRC						Boiler acid
NTPC	FSTPS	1	200	17.02.20	22.03.20	13	cleaningDDCMIS R&M+HPT LPT

Bihar informed that NTPC had taken shutdown of unit 1 of Talcher STPS from 15<sup>th</sup> January 2020 without taking any consent from them. As a result, they incurred huge commercial loss for arraigning power in short notice.

Bihar added that beneficiaries consent should be taken in advance for availing the shutdown which is deviating from LGBR.

NTPC informed that they had placed the details in the OCC Meeting however they agreed take the consent from beneficiaries before availing such shutdown.

Power links gave a presentation on requirement of Shut down of 400 KV Kishanganj-Purnea line 1 & 2 for re-routing of the line at tower no 365, by providing new Pile tower on River Parman.

OCC in principle agreed to the shutdown.

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

## 1. Re-routing of Location of 57 of 220kV S/C Birpara-Malbase TL which got vulnerable due to change in course of river Torsa.--Powergrid

Location No.-57 of 220kV S/C Birpara-Malbase TL got vulnerable due to change in course of River Torsa. The location got vulnerable during this year flood during the Month of July-2019. We have provided boulder protection wall before the onset of monsoon in order to protect the tower however during monsoon due to heavy flow in river Torsa the available protection wall got collapsed and the tower got vulnerable. The distance of the tower from river Tora is only 10 metres. The river originates from Bhutan hills and becomes very dangerous while touching the plains of Birpara. Location No.-57 is situated just by the side of river Torsa and such becomes vulnerable during monsoon every year due to heavy flow in adjoining river.

In order to avoid this problem, as a permanent measure we are planning to re-route the line away from the river through normal foundation. Total 4 Nos. new tower Foundation, 4 Nos. Tower new erection and 1.5 KM stringing shall be carried out from re-routing of line.

In order to carry-out the said work we are proposing S/D of 220kV S/C Birpara-Malbase TL on continuous basis as per following schedule:

		FROM		ТО			
SL. No	NAME OF THE ELEMENTS	DATE	TIME	DATE	TIME	<u>Type</u>	REASON
1	220kV S/C Birpara- Malbase TL	07.02.2020	08:00	25.02.2020	17:00	OCB Basis	Re-routing of Loc No57 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.

As this is an activity carried out for safe-guarding the system affected due to natural phenomenon, it is requested to consider the outages for above activities as per CERC regulations for non-attributable to POWERGRID.

## **Deliberation in the meeting**

The shutdown was approved as per the list provided at Annexure-D2.

Regarding deemed availability, it was informed that the deemed availability would be considered as per the CERC guidelines.

2) Replacement of Porcelain Insulators with CLR Insulators in 400kV D/C Maithon-Jamshedpur TL in section of line where repeated de-capping incidents have been reported and PID testing have revealed more than 50% strings defective.--Powergrid

400kV D/C Maithon-Jamshedpur TL was commissioned in the year 1994. The line is more than 25 years in service and recently it has been observed that de-capping incidents have increased in the said line. Total no. of de-capping incidents reported from 1<sup>st</sup> April 2018 to till date is 4 nos. In order to avoid tripping, we are planning to replace Porcelain Insulators with CLR Insulators in the vulnerable section as per following schedule:

Description	From	Time	From	Time		
400KV Maithon - Jamshedpur	07.02.2020	08:00	12.02.2020	18:00	ODB	From Loc No94 to 207
400KV Mejia – Jamshedpur*	13.02.2020	08:00	18.02.2020	18:00	ODB	-Do-
400KV Maithon - Jamshedpur	19.02.2020	08:00	24.02.2020	18:00	ODB	-Do-
400KV Mejia – Jamshedpur*	25.02.2020	08:00	29.02.2020	18:00	ODB	-Do-

The original line was 400kV D/C Maithon-Jamshedpur TL and later on in the year 2010 one ckt was LILOed at Mejia.Hence, S/D of Mejia-Jamshedpur is also required along with 400kV Maithon-jamshedpur TL.As this is an activity carried out for system improvement, it is requested to consider the outages for above activities as per CERC regulations for non-attributable to POWERGRID.

### **Deliberation in the meeting**

The shutdown was approved as per the list provided at Annexure-D2.

Regarding deemed availability, it was informed that the deemed availability would be considered as per the CERC guidelines.

3) Replacement of Porcelain Insulators with CLR Insulators at major crossings in transmission lines under ER-II---Powergrid

We are planning to replace Porcelain Insulators installed in all major crossings like Railway, all State Highways/National Highways/Expressways,Power Line crossings of 132kV and above and River Crossings etc. gradually for all the lines under ER-II as during decapping of porcelain disc

insulators, conductor is grounded and if such incident occurs in crossing spans consequential effects are much higher. To minimize consequential effects in case of de-capping, we are going to replace the Porcelain Insulators with Long Rod Polymer Insulators Presently, we are planning to replace insulators in following lines:

SI No.	Name of Line	Remarks
1	400kV Maithon - Mejia # 3 line	Month-Feb-20.Schedule
	·	given in OCC list
2	400kV Maithon - Mejia # 1 & 2 line	-Do-
3	400kV D/C Binaguri-Purnea TL (In LILO Portion)	-Do-
4	400kV D/C Malda-Purnea TL (In LILO Portion)	-Do-

The abo ve has alre ady

been discussed in 154th OCC Meeting.

As this is an activity carried out for system improvement, it is requested to consider the outages for above activities as per CERC regulations for non-attributable to POWERGRID.

## **Deliberation in the meeting**

The shutdown was approved as per the list provided at Annexure-D2.

Regarding deemed availability, it was informed that the deemed availability would be considered as per the CERC guidelines.

Item no. D.3: Prolonged outage of Power System elements in Eastern Region as on 10-01-2020

## (i) Thermal Generating units:

S.No	Station	Location	Owner	Unit No	Capacity	Reason(s)	Outage Date
1	GMR	ODISHA	GMR	2	350	COAL SHORTAGE	28-Dec- 19
2	FARAKKA	WEST BENGAL	NTPC	3	200	SUPER HEATER SPRAY LINE LEAKAGE	23-Dec- 19
3	JITPL	ODISHA	JITPL	2	600	PA Fan Problem	25-Dec- 19
4	KAHALGAON	BIHAR	NTPC	7	500	TURBINE BEARING VIBRATION	31-Dec- 19
5	KOLAGHAT	WEST BENGAL	WBPDCL	3	210	units are available but kept in out of service	24-Nov- 19
6	KOLAGHAT	WEST BENGAL	WBPDCL	4	210	due to less demand	17-Nov- 19
7	KOLAGHAT	WEST BENGAL	WBPDCL	5	210		1-Oct-19
8	KOLAGHAT	WEST BENGAL	WBPDCL	2	210	ESP MAINTENANCE	26-Dec- 18
9	BANDEL	WEST BENGAL	WBPDCL	5	250	BOILER TUBE LEAKAGE	27-Nov- 19
10	BOKARO B	JHARKHAND	DVC	3	210	PROBLEM IN ASH POND	12-Sep- 19
11	BOKARO A	JHARKHAND	DVC	1	500	BOILER TUBE LEAKAGE	29-Sep- 19

12	RAGHUNATHPUR	WEST BENGAL	DVC	1	600	PROBLEM IN GOVERNOR SYSTEM	7-Jan-20
13	MEJIA	WEST BENGAL	DVC	2	210	LOW SYSTEM DEMAND	5-Jan-20
14	WARIA	WEST BENGAL	DVC	4	210	AUXILARY SUPPLY FAILURE	24-Dec- 19
15	STERLITE	ODISHA	GRIDCO	2	600	DUE TO PROBLEM IN OLTC SYSTEM OF Unit Transformer	10-Apr- 19

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

## (ii) Hydro Generating units:

SI. No.	Station	Unit No.	Capacity (MW)	Reason (s) of outage	Outage date
1	Unit- 1 60		60	Renovation & Modernization work (Planned)	05-08-2016
1	Balimela	Unit- 2	60	Renovation & modernization work (Planned).	20-11-2017
	Unit-1 49.5  2 Burla Unit-5 37.5		49.5	Turbine & Generator coupling cover water leakage (Forced)	14-03-2018
2			37.5	Renovation. Modernization & up rating work (Planned)	25-10-2016
		Unit-6	37.5	Renovation, Modernization & up rating work (Planned)	16-10-2016
		Unit-7	37.5	Annual Maintenance	
3	Chiplima	Unit-3	24	Renovation & Modernization work (Planned)	15-10-2015
4	Indravati	Unit-3	150	Annual Maintenance	17-11-2019
5	U.KOLAB	Unit-1	80	Annual Maintenance	06-12-2019

It is seen that about 536 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 DATE	Reasons for Outage
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	400 KV PATNA KISHANGANJ- I	POWERGRI D	01-09-2018	TOWER COLLAPSE AT LOC 129. PILING DAMAGED
4	400 KV PATNA KISHANGANJ- II	POWERGRI D	06-07-2019	EMERGENCY HAND TRIPPED DUE TO FRUSTUM OF LOCATION NO: 129A/0 (A LEG) HAS BEEN EXPOSED ON SOIL EROSION.

5	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.
6	400/132 KV, ICT II (200 MVA) AT KAHALGAON	NTPC	02-08-2019	Y PHASE BUSHING BURSTED
7	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).
8	400 KV MOTIHARI(DMTCL)- GORAKHPUR-I	POWERGRI D/DMTCL	13-08-2019	TOWER COLLAPSED REPORTED AT LOC 27/0(132) ON 15/08/19 AT 07:00 HRS.
9	400 KV MOTIHARI(DMTCL)- GORAKHPUR-II	POWERGRI D/DMTCL	13-08-2019	TOWER COLLAPSED REPORTED AT LOC 27/0(132) ON 15/08/19 AT 07:00 HRS.
10	400 KV BARH- MOTIHARI(DMTCL) -I	POWERGRI D/DMTCL	04-09-2019	TOWER COLLAPSE AT LOCATION 26/0 AND 25/5
11	400 KV BARH- MOTIHARI(DMTCL) -II	POWERGRI D/DMTCL	04-09-2019	TOWER COLLAPSE AT LOCATION 26/0 AND 25/5
15	220KV BEGUSARAI-NEW PURNEA-I	BSPTCL	13-10-2019	B-N, 5.98kA, 12.6km at NEW PURNEA; Since line wsa tripping frequently in the past and hence will not to be charged till: 1)sag/clearance issue is resoved 2)Healthiness certificate from independent third party obtained 3)ensure auto reclosure healthiness.
16	220KV BEGUSARAI-NEW PURNEA-II	BSPTCL	14-10-2019	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: 1)sag/clearance issue is resoved 2)Healthiness certificate from independent third party obtained 3)ensure auto reclosure healthiness.
17	400 KV BINAGURI- RANGPO-1	POWERGRI D	01-11-2019	S/D AVAILED FOR RECONDUCTORING WORK TILL 31/01/2020
18	400 KV BINAGURI- RANGPO-2	POWERGRI D	01-11-2019	S/D AVAILED FOR RECONDUCTORING WORK TILL 31/01/2020
19	400 KV MPL-MAITHON II	POWERGRI D	20-11-2019	RECONDUCTORING WORK
20	400 KV TALA - BINAGURI - IV	POWERGRI D/BHUTAN	26-11-2019	Approved S/D till 05.01.2020

21	400 KV TALA - BINAGURI - II	POWERGRI D/BHUTAN	07-01-2020	OPENED ON OVER VOLTAGE AT BHUTAN END
22	400 KV ALIPURDUAR- JIGMELLING I	POWERGRI D/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.
23	220 KV CHUKHA BIRPARA- 1	BHUTAN/PG CIL	07-01-2020	VOLTAGE REGULATION(AT CHUKHA END)

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

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

Members may update.

### **Deliberation in the meeting**

It was informed that Chiplima unit 3 would be brought into service from February 2020.

<sup>\*\*</sup> 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.

### 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 159th 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

<sup>\*</sup> Pending observations of Powergridare 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 December-2019 based on the inputs received from beneficiaries

SL NO	Element Name	Owner	Charging Date	Charging Time
1	125 MVAR B/R at Arambagh	WBSETCL	12-12-2019	20:11

2	220 KV Ranchi-Hatia III	JUSNL	17-12-2019	13:07
3	765 kV main bay of Darllipali Jharsuguda- 2 at Darlipali	NTPC	20-12-2019	17:23
4	Main Bay of 400KV Muzaffarpur- Dhalkebar I at Muzaffarpur	PGCIL	28-12-2019	12:47
5	Main Bay of 400KV Muzaffarpur- Dhalkebar-II at Muzaffarpur	PGCIL	28-12-2019	13:03
6	400/132KV 315MVA ICT-III at Lakhisarai	PGCIL	29-12-2019	17:15
7	400/132KV 315MVA ICT-III at Banka	PGCIL	30-12-2019	19:43
8	Darlipali unit -1 (800MW)	NTPC	30-12-2019	00:00
9	132/33kv 50MVA Transformer 3 Sonarpur	WBSETCL	19-12-2019	12:44
10	132/33kv 50Mva Transformer 3 Jangipur	WBSETCL	19-12-2019	16:12
11	132/33KV 50MVA Tr#2 Khanyan	WBSETCL	18-12-2019	12:11
12	132kv Gajole-Balurghat #1	WBSETCL	27-12-2019	15:31
13	LILO OF 220kV EMSS-BBGS ckt. 2 at EM South S/S	WBSETCL	17-12-2019	

### Item No. E.4: UFR operation during the month of December'19

System frequency touched a maximum of 50.34 Hz at 20:59hrs of 15/12/19 and a minimum of 49.65 Hz at 16:17hrs of 11/12/19. Hence, no report of operation of UFR has been received from any of the constituents.

\*\*\*\*\*

Annexure-A

## Participants in 165<sup>th</sup> OPERATION COORDINATION SUB-COMMITTEE (OCC) Meeting of ERPC

Venue: ERPC Conference Hall, Kolkata

Time: 10:30 hrs

Date: 22.01.2020 (Wednesday)

Sl No	Name	Designation/ Organization	Contact Number	Email	Signature
1	J. Bandyopadhyay	Member Secretary ERPC	9432326351	mserpc-power@gov.in	
2	D. K. Jain	Executive Director, ERLDC	9910344127	dk.jain@posoco.in	Kann
3	G. Milne	CGM/ERLAC	9831297392		67 D07
4	5. konar	EV. DGM, ERLD	9436335370	Konar-seposoes.in.	Fara
5	S.K. HAZRA	Srgm /Powfulus	9433041809	Skhazra @ bowerminicen	(मार्ट-रामा)
6	P.K. Das	CE-1,3+2°C	983144422	poaras das advegn	Atr.
7	R.P. Singh	AGM(Comml) NTR, ER-1HQ.	9431011366	rampankshall com	Il m
8	S.K. Mishra.	DGM (OS) NTPC, ER-THR	7606000992	skwishmos@ atpc.co.	and .
9	Ansuman Ray	Pro (Fe) Teesfe-V.B	8170057738	ansiman 1975@gmail.	Aday
10	Aryn Kumar	G4-Operalin MPL	9263635944	akumgr@talaponer.	Mas
11	RKMalvigs	Maint- Heal	7479036417	schesh malviys Quads	itz.
12	T. R. Mohapite	CM(ERLDe)	9433041873	TRMohabatoa @ POSOU0.14	
13	S. K. Sahay	Manage (EKLOC)	9432013173.	Sawar Jelay Q	S.K.sahi,
14	Brajesh Shukla	GROUPHEAD (OCM) POWERLIMKS	9800013837	brayesh shuklactalapou	ver Sup
15	RAS PROTEM	DY. Man. (FREDE	9903319591	rogproting posses, in	Rh
16	Tenzin Choden	DEG (DUPCL)	97517318284	L. Choden 1470 drukgreen bt	A.C.
17	Sonny Yuden	Sr. SO(DWPC)	97517899428	S. yuden 2120 Collugrants	Expedy
18	Sushil	EE/THP DIPC	+975 17287952	5. ndhikno 18230 drukeren bt	Gre
19	Chrimi Deng	SO BHY OUR	1975/748/52	c.dema aust@drulgee	ny ello
20	Pena Wangmo	Sole, latp, Darc	+975 (7737721	p. wangmozzn7 adalo.	Botos

## Participants in 165<sup>th</sup> OPERATION COORDINATION SUB-COMMITTEE (OCC) Meeting of ERPC

Venue: ERPC Conference Hall, Kolkata Time: 10:30 hrs Date: 22.01.2020 (Wednesday) Name SI Designation/ Contact Email Signature No Organization Number Nishangkumar 21 Mishant Kumar (a) Sekuraji MgT/DMTCL 7987210324 22 DGM / POWERGRID odisha faojech SKSahu@Powergnidenda 907883643 Thepp12 S.K. SAHO 23 Ankur Kuman 9 431815656 ankuro powerps od Mgs. 24 Juy chardro Ogseenka 7872023462 DHEP yay Chardre 25 / ERIDE 9432851830 posocom CM Dill 2 B Bhod 26 H-N- Pal So DGM aufal @ fossesiu BR2D 9831339599 partha.ghurn@ 27 9434748263 9408H. Ch.Mr/BR-II to we residential com 28 2335905923 55 Lemmas enin cce OSN. M 29 Ass. Directo Shishir. 1505@gmail 8249244719 Consultant 30 S.M. The 6289127726 ERPC Consultant 31 SARKHEL Sambel expea) 143306572 ERPC RAJDEEP 32 RE, BSPHCL rekolbsphel Egmail. 9830380689 BHATT4CHARJB SAUMEN 33 DGM Chatterjee@ Wbpdcl. 8336903772 CHATTERJEE WBPDCL 14330 34 datalredit S.P. DATTA ALM, ERPC woul . com 67022 35 7763817782 agan kmishra@ GLAGIAN KUMAR EFE 36 BRAJESH WMAIL ACCUSE est zone 1983a Soul 9852116731 37 Manager / Tushar Vanitushar @gmoul. anja 9326374226 SLOCIJUSNL Ranjan 38 SE(E) /CPD/ SHOUVIK BANERJEE svkbaneajee @ gahoo.com 9434910093 WBSETCL 39 CE, SLBC K. Keender Ce, iobslike a gmail. Com 9434910030 WBSETCL 40 SE WISSEDLO 1 Danviger precban72 @gmail 9432140765

<sup>&</sup>quot;Coming together is a beginning, staying together is progress, and working together is success." –Henry Ford [Page 2 ]

### Participants in 165th OPERATION COORDINATION SUB-COMMITTEE (OCC) Meeting of ERPC

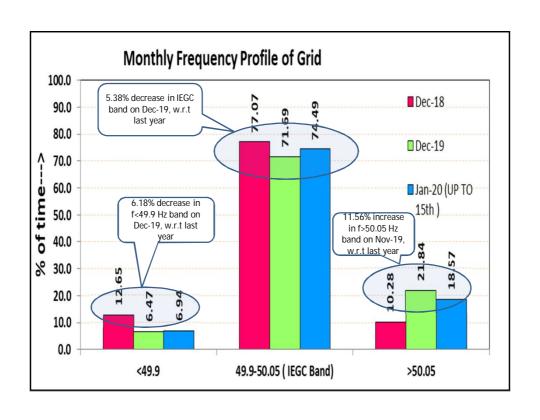
Date: 22.01.2020 (Wednesday) Venue: ERPC Conference Hall, Kolkata Time: 10:30 hrs Signature Designation/ Contact Email Name Number No Organization Sandi- Il @ rediff mi 4831716992 41 S. MUKHERJEE M98 (exect) whespr DPL IM , LEJC LHZ. 42 Koushik. baneyee @ 9831003281 K-Baheufu 43 CAM , OPTCL ele. Skhanchandan@optelco. 9438907042 S. K. Hanchonden 44 CAN, SUDL, P. K. Mishora 9438907402 cld\_side@sideorson.org.in odish CGM, PP, GRIDCO 45 sgm. pp@gridco. co. in S.S. Nayak 94374 04458 Bhubaneswar Pradeep, mahapatra 46 AGM, OPGC 9338715401 Newhapon PKMahapator @opgc.co.in 47 STEM (EN), SLDC Prashaotk das @ganor-co.on P. K. DAS 9438907408 48 DGM(EL), OHPC 7328870019 A. R. Mohanty Odisha "idelhautes SIODHARTHA, SINGH 49 Marages (04M 8170005771 GGATIINFRA: COM grides. es c @ gmail. com M. S. Sahor DGM(Elect) Madhusudan 9692427876 50 GRIDCO Cahio ele. aksanerja @optd. 51 Alb Amp Kunar DGM, OPTCL 9438907352 52 9438907305 ele. Crmishra chrol DGM, SPITCL @ optcl. Co. in 53 So. Mgr, JUSNL samkbits @yahoo. co.in 7783087568 54 ACE, WBSLOC 94349 10379 all gonail . com 55 CGm (Am) Pacia 7603037367 Supramanina forgasising DILLE CE) SPE, DVL, KOL jayanta dutta odvagu 56 J. DU TTA. 9431515 X4 57 58 59 60

<sup>&</sup>quot;Coming together is a beginning, staying together is progress, and working together is success." –Henry Ford [Page 3 ]

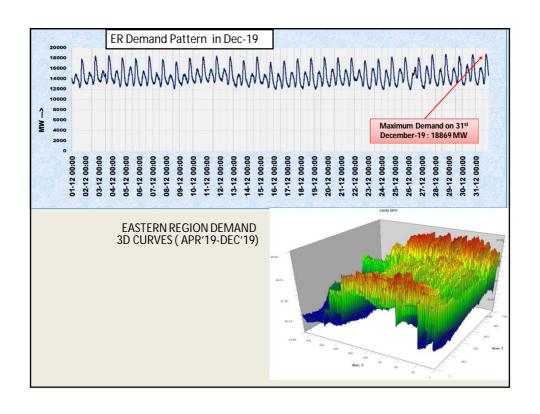


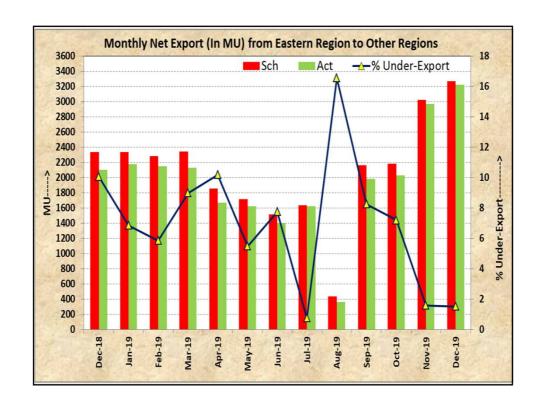
#### Highlights for the month of December-19 Peak Demand\* ER: 18869 MW on 31st December 2019 at 18:16 hrs **Frequency Profile New Unit** % Growth in Average Demand Average Freq: 50.00 Hz Met w.r.t. last year: 0.94% NIL Avg FVI: - 0.043 BSPHCL: 4756 MW; ON 30/12/19 Lowest FVI:- 0.026 JUVNL: 1391 MW; ON 31/12/19 DVC: 3543 MW; ON 21/12/19 Max- 50.34 Hz on 15th GRIDCO: 4508 MW; ON 02/12/19 December'19 WB: 6374MW; ON 11/12/19 Min- 49.65 Hz on 11th **Open Access** SIKKIM: 138 MW; ON 26/12/19 December'19 **STOA transactions** approved -206 nos. Energy met Max. 366 MU on 31st Dec 2019 71.69% of the time freq was with in IEGC Band **Energy Approved-**%Growth w.r.t. last year on Max energy : (-)0.57% 648.97 MUs Avg. 353 MU in December 2019 %Growth w.r.t. last year on Avg. energy: (-)0.5%

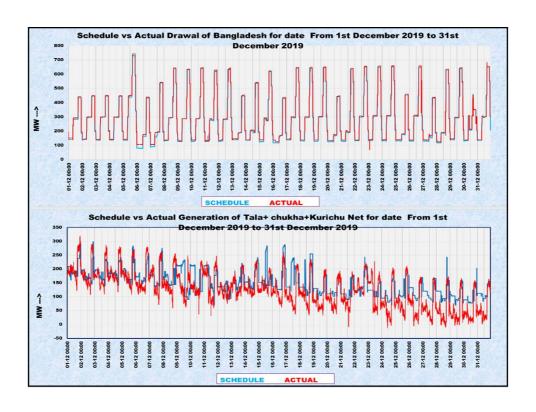
SL N O	Element Name	Owner	Charging Date	Chargi ng Time	Remarks
1	125 MVAR Bus Reactor at Arambagh	WBSETC L	12-12-2019	20:11	Voltage change 414/412kV
2	220 KV Ranchi-Hatia III	JUSNL	17-12-2019	13:07	
3	400/132KV 315MVA ICT-III at Lakhisarai	PGCIL	29-12-2019	17:15	
4	400/132KV 315MVA ICT-III at Banka	PGCIL	30-12-2019	19:43	
5	Darlipali unit -1 (800MW)	NTPC	30-12-2019	00:00	Completed trial run operation

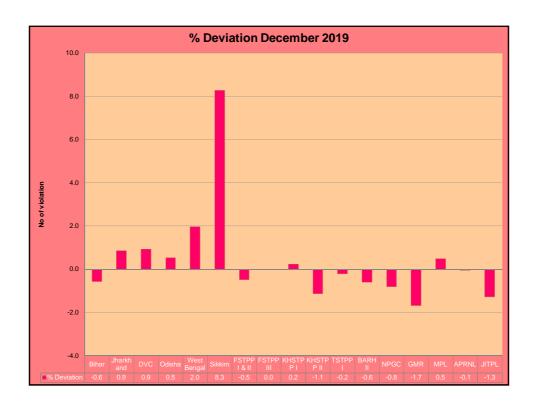


	So	Far Highest De	mand		
Constitute	Demand (in MW)	Date	Time _	Dmd met (MW) on 31st Dec'19 (max dmd met day) MW Tim	
Bihar	5972	03-Sep-19	20:07	4656	19:34
	3972	03-Sep-19	20:07	4000	19:34
DVC	3322	24-Jun-19	20:01	3090	19:06
Jharkhand	1391	31-Dec-19	18:31	1391	18:31
Odisha	5558	23-Aug-18	20:21	3697	18:11
W. Bengal	9362	28-May-19	14:27	6255	17:59
Sikkim	129	22-Nov-19	19:22	129	08:12
ER	23476	20-May-19	22:45	18869	18:16
	So Far	Highest Energy Co	onsumption		
	Energy consumption (in	n		Energy met on	31st Dec'19
Constitute	MUs)	Dat	е	(max dmd n	net day)
Bihar	121.4	02-Se <sub>l</sub>	o-19	79.6	
DVC	75.8	12-Ju	I-18	63.9	
Jharkhand	27.8	19-Ma	y-19	26.2	
Odisha	123.5	02-Oc	02-Oct-18		
West Bengal	199.9	28-Ma	28-May-19		1
Sikkim	2.4	26-De	c-19	2.1	
ER	506.0	25-Jui	n-19	361	

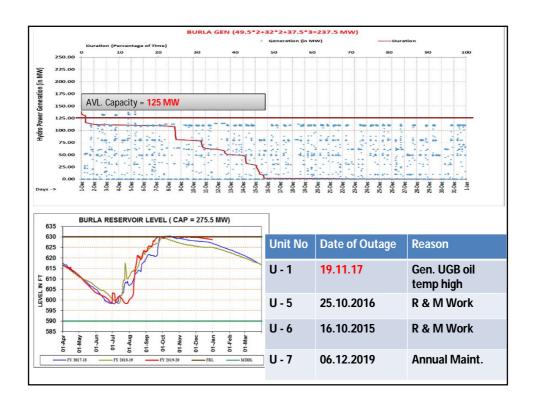


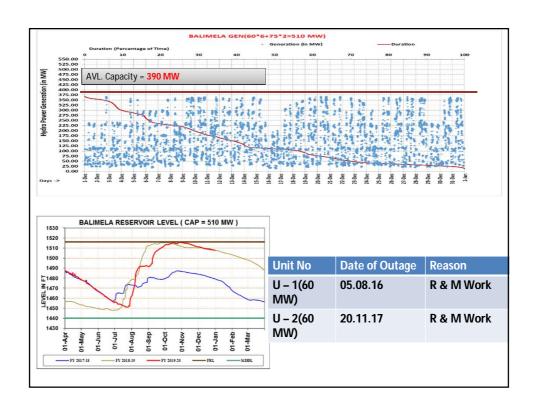


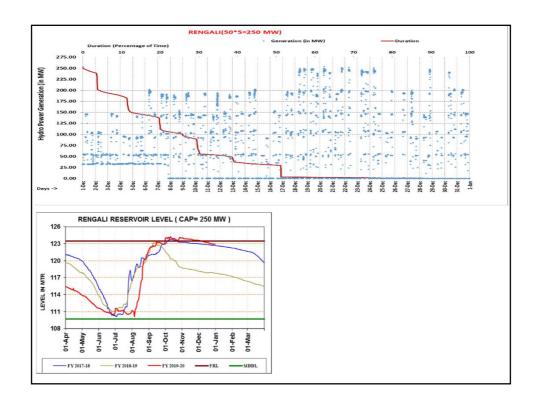


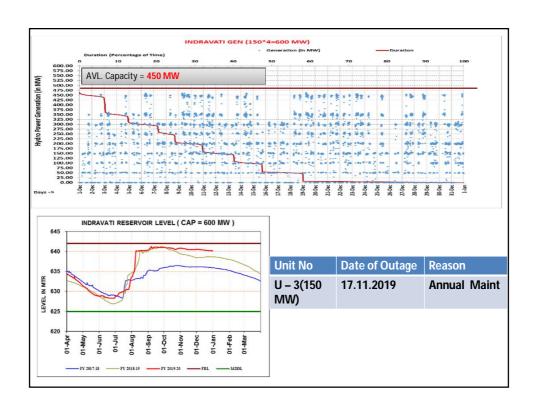


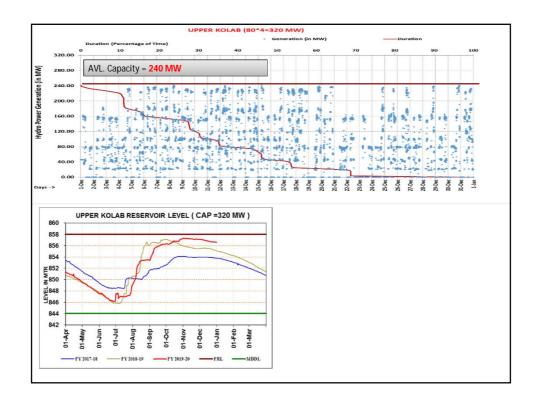
	December	· 2019 Schedi	ule vs Actu	ual Status	
	Schedule (MU)	Actual (MU)	OD (MU)	Daily Avg OD (MU)	% Deviation
Bihar	2124	2111	-12	-0.4	-0.6
Jharkhand	508	512	4	0.1	0.9
DVC	-982	-973	9	0.3	0.9
Odisha	356	358	2	0.1	0.5
West Bengal	786	801	15	0.5	2.0
Sikkim	50	54	4	0.1	8.3
FSTPP I & II	833	829	-4	-0.1	-0.5
FSTPP III	308	310	2	0.1	0.0
KHSTPP I	427	428	1	0.0	0.2
KHSTPP II	900	890	-10	-0.3	-1.1
TSTPP I	592	591	-1	0.0	-0.2
BARH II	390	388	-2	-0.1	-0.6
NPGC	309	306	-2	-0.1	-0.8
GMR	382	375	-6	-0.2	-1.7
MPL	556	558	3	0.1	0.5
APRNL	250	250	0	0.0	-0.1
JITPL	390	385	-5	-0.2	-1.3

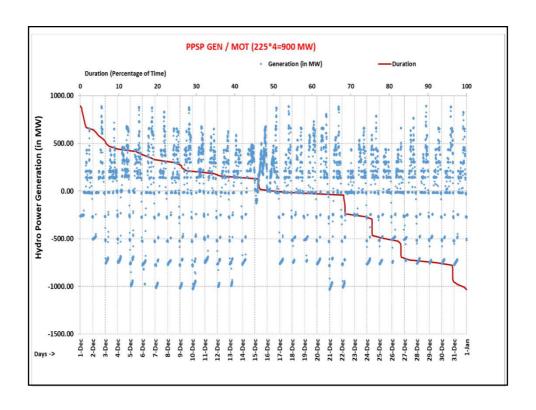






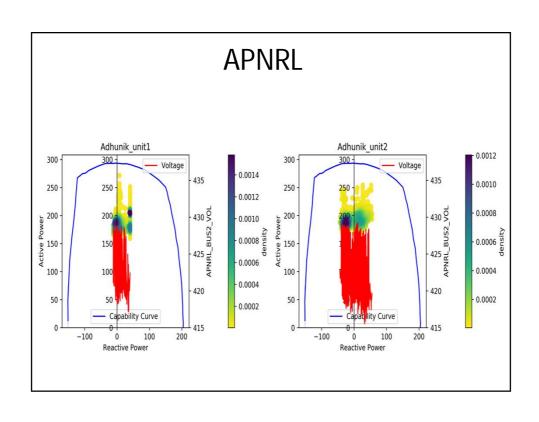


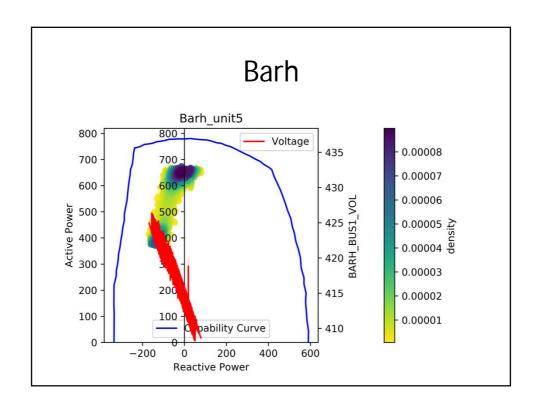




### Elements long outages leading to transmission constraint

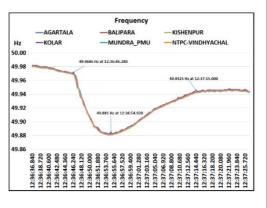
- 400KV main bay of Indravati(GR)-Indravati (PG) out of service since last 2 years for breaker problem at Indravati(PG). Line was charged through main bay of 125 MVASR B/R breaker on Bus – II. Breaker to be replaced by OPTCL. Timeline of restoration is uncertain – may be updated by OPTCL?- Readiness 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 21st 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.
- 400 KV Gorakhpur Motihari (DMTCL) D/C were out since 13/08/2019and 04/09/19 on tower collapse.
- 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.
- 400 Kv Maithon MPL II shutdown was approved 26-01-2020. Powergrid may update status of recent work progress status.





# Assessment of FRC and primary frequency response of ER generating units

- On 20th January 2020, at 12:36hrs, due to bus bar protection operation 1085 MW generation loss occurred at Chandrapur in WR
- All SLDCs are advised to assess FRC and regional generating units are advised to assess primary frequency response at their boundary area and share with ERLDC along with reason of nonsatisfactory response (if any) within one week



# **Proposed Logic**

If frequency is less than 49.9 Hz for 3 minutes And

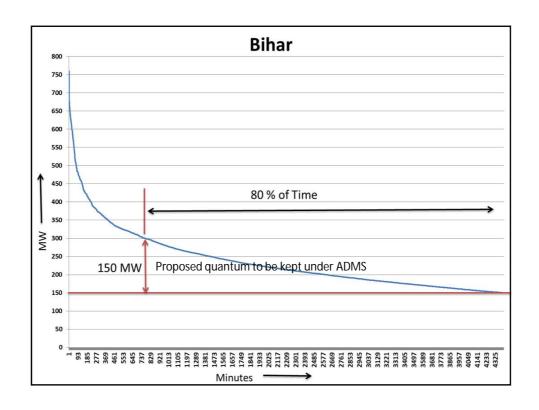
Overdrwal/Under injection > 150 MW or 12 %

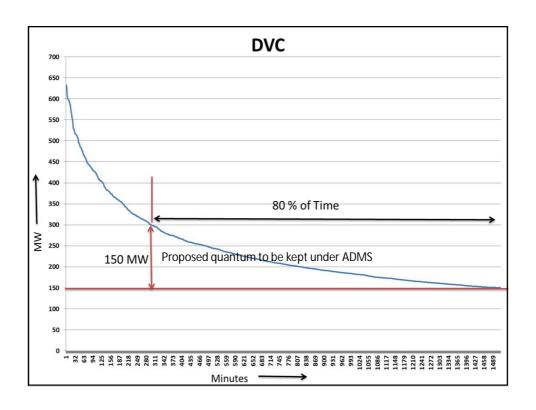
**ADMS should operate** 

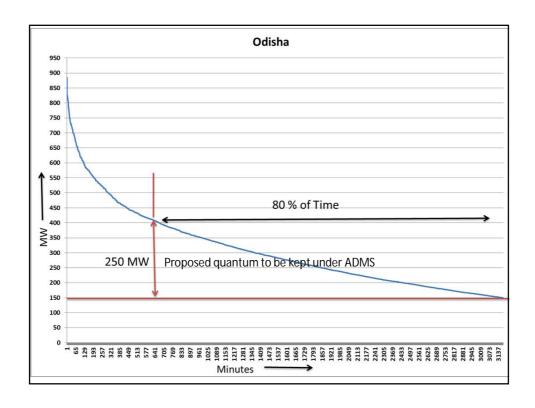
# Historic Data Analysis

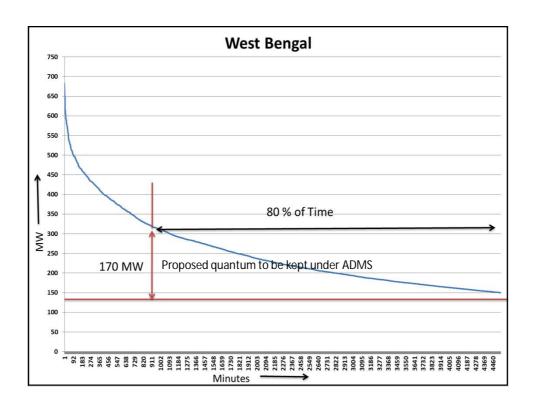
 Duration for which above criteria is satisfied for year 2019

SI No	State/Utility	Duration in Minutes	% of time
1	Bihar	4410	0.84%
2	Jharkhand	0	0.00%
3	DVC	1516	0.29%
4	West Bengal	4539	0.86%
5	Odissa	3174	0.60%
6	SIKKIM	0	0.00%









## 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 -Gorahkpur D/C line would take six months.

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

In 163<sup>rd</sup> OCC, Powergrid was advised 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.

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

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:

400kV Motihari - Barh line with ERS single ckt			
Activity	End Date		
Piles -	30th Jan 2020		
Pile caps & chimney -	7th Feb 2020		
Tower supply -	10-Feb-20		
Condcuotor 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		
400kV Motihari - Barh D/C line permanent restorat	tion by 25-May-20		
400kV Motihari Gorakhpur D/C lir	ne		
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
		List of	Meter for Testing	& calibration in Eastern Region	•
S. NO.	Make	ERLDC ID		BAY	Meter No.
1	L&T	BI-09	KAHALGAON(BSPHCL)	132 KV LALMATIA(JUVNL)	NP-6071-A
2	L&T	BI-10	KAHALGAON(BSPHCL)	132KV KAHALGAON (NTPC)	NP-6076-A
3	L&T	RG-08	RANGIT(NHPC)	66KV/11 KV TRANSFORMER	NP-5918-A
4	L&T	RG-01	RANGIT(NHPC)	RANGIT GT-1	NP-5919-A
5 6	L&T L&T	RG-02 RG-03	RANGIT(NHPC)	RANGIT GT-2 RANGIT GT-3	NP-5920-A
7	L&T	RG-03	RANGIT(NHPC) RANGIT(NHPC)	132KV SAGBARI (SIKKIM) (MAIN)	NP-5921-A NP-5925-A
8	L&T	RG-07	RANGIT(NHPC)	66KV RAVANGLA (SIKKIM) (MAIN)	NP-5926-A
9	L&T	DV-06	DSTPS(DVC)	400 KV JAMSHEDPUR (PG)-II (MAIN)	NP-6522-A
10	L&T	DV-07	DSTPS(DVC)	400 KV JAMSHEDPUR (PG)-II (CHECK)	NP-6523-A
11	L&T	DV-10	DSTPS(DVC)	400 KV JAMSHEDPUR-I (MAIN)	NP-6524-A
12	L&T	DV-11	DSTPS(DVC)	400 KV JAMSHEDPUR-I (CHECK)	NP-6525-A
13	L&T	FK-31	FARAKKA(NTPC)	FARAKKA ST-5	NP-5215-A
14 15	L&T L&T	FK-30 FK-09	FARAKKA(NTPC) FARAKKA(NTPC)	FARAKKA GT-6 400KV KAHALGAON (NTPC) -2	NP-5216-A NP-5200-A
16	L&T	FK-26	FARAKKA(NTPC)	400KV KAHALGAON (NTPC) -2	NP-5200-A
17	L&T	FK-08	FARAKKA(NTPC)	400KV KAHALGAON (NTPC) -1	NP-5202-A
18	L&T	FK-25	FARAKKA(NTPC)	400KV KAHALGAON (NTPC) -1	NP-5203-A
19	L&T	FK-12	FARAKKA(NTPC)	400KV MALDA (PG) -1	NP-5204-A
20	L&T	FK-11	FARAKKA(NTPC)	400KV DURGAPUR (PG) -2	NP-5208-A
21	L&T	FK-24	FARAKKA(NTPC)	400KV DURGAPUR (PG) -2	NP-5209-A
22 23	L&T L&T	FK-14 FK-16	FARAKKA(NTPC) FARAKKA(NTPC)	220KV LALMATIA (JUVNL) 400KV SAGARDIGHI(WB)-1 (MAIN)	NP-5211-A NP-5213-A
24	L&T	FK-22	FARAKKA(NTPC)	400KV SAGARDIGHI (WB)-1 (CHECK)	NP-5214-A
25	L&T	FK-21	FARAKKA(NTPC)	400KV SAGARDIGHI (WB)-2 (CHECK)	NP-5220-A
26	L&T	FK-15	FARAKKA(NTPC)	400KV SAGARDIGHI (WB)-2 (MAIN)	NP-5221-A
27	L&T	FK-23	FARAKKA(NTPC)	400KV DURGAPUR (PG) -1	NP-5222-A
28	L&T	FK-13	FARAKKA(NTPC)	400KV MALDA (PG) -2	NP-5223-A
29	L&T	FK-29	FARAKKA(NTPC)	400KV MALDA (PG) -2	NP-5224-A
30 31	L&T L&T	FK-10 FK-28	FARAKKA(NTPC) FARAKKA(NTPC)	400KV DURGAPUR (PG) -1 400KV MALDA (PG) -1	NP-5228-A NP-5229-A
32	L&T	DV-26	MEJIA (DVC)	400 KV MEJIA(DVC)-MAITHON(PG)-1(CHECK)	NP-7494-A
33	L&T	DV-27	MEJIA (DVC)	400 KV MEJIA(DVC)-MAITHON(PG)-2(CHECK)	NP-7495-A
34	L&T	WB-14	SAGARDIGHI(WBSETCL)	400 KV DURGAPUR (PG) -1 (MAIN)	NP-6546-A
35	L&T	WB-15	SAGARDIGHI(WBSETCL)	400 KV DURGAPUR (PG) -1 (CHECK)	NP-6547-A
36	L&T	DV-35	TISCO(DVC)	400 KV JAMSHEDPUR(PG)	NP-7406-A
37	L&T	DV-34	TISCO(DVC)	400 KV BARIPADA(PG)	NP-7408-A
38	L&T	DV-20	KODERMA (DVC)	400 KV - BIHARSHARIFF (PG)-1(MAIN)	NP-7831-A
39	L&T	GM-10	GMR (GRIDCO)	400 KV M'MUNDLI(GRIDCO)(MAIN)	NP-7483-A
40 41	L&T L&T	EM-93 MR-03	ROURKELA(PG) MAITHON RB (MPL)	400 KV SUNDERGARH(PG)-4 400 KV MAITHON (PG)-1 (CHECK)	NP-6545-A NP-6549-A
42	L&T		MAITHON RB (MPL)	400 KV MAITHON (PG)-1 (CHECK)	NP-6550-A
43	L&T	MR-07	MAITHON RB (MPL)	400 KV SIDE OF MAITHON RB STN TRF-1	NP-6552-A
44	L&T	BI-22	KHAGAUL(BSPHCL)	220 KV PATNA (PG)	NP-5833-A
45	L&T	BI-14	KHAGAUL(BSPHCL)	220KV ARAH (PG)-2	NP-6060-A
46	L&T	BH-06	BARH(NTPC)	400 KV PATNA-1(MAIN)	NP-6080-A
47	L&T	BH-04	BARH(NTPC)	400 KV KAHALGAON-1(MAIN)	NP-6111-A
48	L&T	BH-12	BARH(NTPC)	400 KV SIDE OF ICT -I	NP-6531-A
49	L&T	KH-39	KAHALGAON(NTPC)	400KV FARAKKA (NTPC) -3	NP-7826-A
50 51	L&T L&T	ER-45 TS-07	BINAGURI(PG) TEESTA(NHPC)	220KV JALPAIGURI(WBSETCL)-2 400KV RANGPO-1 (CHECK)	NP-5881-A NP-5895-A
52	L&T	TS-07	TEESTA(NHPC)	400KV RANGPO-1 (CHECK)	NP-5897-A
53	L&T	TS-06	TEESTA(NHPC)	400KV RANGPO-2 (CHECK)	NP-5898-A
54	L&T	TS-01	TEESTA(NHPC)	TEESTA GT-1	NP-5899-A
55	L&T	TS-02	TEESTA(NHPC)	TEESTA GT-2	NP-5900-A
56	L&T	TS-03	TEESTA(NHPC)	TEESTA GT-3	NP-5901-A
57	L&T	EM-82	RANCHI(PG)	400KV ROURKELLA (PG)-1	NP-5876-A
58	L&T	EM-83	RANCHI(PG)	400KV ROURKELLA (PG)-2	NP-6530-A
59	L&T	FK-32	FARAKKA(NTPC)	400KV KAHALGAON (NTPC) -3 (MAIN)	NP-5207-A
60	L&T L&T	FK-35 FK-33	FARAKKA(NTPC)	400KV KAHALGAON (NTPC) -4 (CHECK)	NP-5217-A NP-5218-A
61 62	L&T	FK-33 FK-34	FARAKKA(NTPC) FARAKKA(NTPC)	400KV KAHALGAON (NTPC) -3 (CHECK) 400KV KAHALGAON (NTPC) -4 (MAIN)	NP-5218-A NP-5219-A
63	L&T	MR-12	MAITHON RB (MPL)	400 KV RANCHI (PG)-2 (CHECK)	NP-5219-A NP-5252-A
64	L&T	DV-17	MEJIA (DVC)	400KV JAMSHEDPUR (PG) (CHECK)	NP-7493-A
65	L&T	SM-01	RAVANGLA (SIKKIM)	66 KV RANGIT (NHPC)	NP-6481-A
66	L&T	ER-14	PUSAULI(PG)	220KV NADHOKHAR(BSPHCL) -2	NP-6511-A
67	L&T	ER-13	PUSAULI(PG)	220KV NADHOKHAR(BSPHCL) -1	NP-6512-A
68	L&T	ER-97	PUSAULI(PG)	400/220KV ICT-1	NP-6513-A
69	L&T	ER-94	PUSAULI(PG)	400/220KV ICT-2	NP-6516-A
70 71	L&T	ER-82	PUSAULI(PG)	400KV SASARAM (PG) EAST BUS-1	NP-6514-A
	L&T	ER-83	PUSAULI(PG)	400KV SASARAM (PG) EAST BUS-2	NP-6515-A
72	L&T	BI-12	DUMRAON(BSPHCL)	132KV ARAH (PG)	NP-6067-A

		5	Inches (nonless)	Joseph Control (DO)	IND THE A
73	L&T	BI-17	DEHRI (BSPHCL)	220 KV GAYA (PG) -1	NP-7449-A
74	L&T	TL-18	TALCHER(NTPC)	400KV MIRAMUNDALI(GRIDCO) (MAIN)	NP-5970-A
75	L&T	ER-79	PUSAULI(PG)	132KV MOHANIA(BSPHCL)	NP-6094-A
76	L&T	ER-78	PUSAULI(PG)	132KV KUDRA(BSPHCL)	NP-6095-A
77	L&T	WB-59	KALIMPONG (WBSETCL)	66 KV MELLI (SIKKIM)	NP-5994-A
78	L&T	SM-51	MELLI (SIKKIM)	66 KV KALIMPONG (WBSETCL)	NP-5849-A
79	L&T	EP-08	PUSAULI(PG)	400 KV ALLAHABAD (NR)	NP-6091-A
80	L&T	JS-06	HATIA(JUVNL)	220 KV RANCHI (PG)-2	NP-6121-A
81	L&T	JS-07	HATIA(JUVNL) RAMCHANDRAPUR(JUVNL)	220 KV RANCHI (PG)-1	NP-6122-A
82 83	L&T L&T	JS-51 JS-01		220KV JODA (GRIDCO) 220KV JAMSHEDPUR(PG)-1	NP-6102-A NP-6103-A
84	L&T	WB-06	RAMCHANDRAPUR(JUVNL) MALDA (WBSETCL)	132 KV MALDA (PG) -2	NP-6472-A
85	L&T	WB-05	MALDA (WBSETCL)	132KV MALDA (PG) -2	NP-6480-A
86	L&T	BI-62	DEHRI (BSPHCL)	220KV PUSAULII (PG)	NP-6097-A
87	L&T	BI-66	SONENAGAR (BSPHCL)	132KV NPGC(BSPHCL)	NP-6013-B
88	L&T	BI-60	SONNAGAR (BSPHCL)	132KV NFGC(BSFTICE)	NP-6015-B
89	L&T	JS-55	PATRATU (JUVNL)	132KV PATRATU (DVC) TRANSFER BUS	NP-6003-B
90	L&T	JS-54	PATRATU (JUVNL)	132KV PATRATU (DVC) -1	NP-6004-B
91	L&T	JS-40	PATRATU (JUVNL)	132KV PATRATU (DVC) -2	NP-6005-B
92	L&T	BI-63	KARAMNASA(BSPHCL)	132KV CHANDAULI (UPSEB)	NP-6017-B
93	L&T	BI-64	KARAMNASA(BSPHCL)	132KV SAHUPURI(UPSEB)	NP-6018-B
94	L&T	BI-49	MOHANIA (BSPHCL)	132KV PUSAULI (PG)	NP-6099-A
95	L&T	DV-53	PATRATU (DVC)	132KV PATRATU(JUVNL)-1&2(SUM)	NP-6006-B
96	L&T	DV-18	DHANBAD (DVC)	220 KV MAITHON (PG)-2	NP-6541-A
97	L&T	DV-19	DHANBAD (DVC)	220 KV MAITHON (PG)-1	NP-6542-A
98	L&T	OR-09	MIRAMUNDALI(GRIDCO)	220KV TSTPP (NTPC) -1	NP-5981-A
99	L&T	OR-10	MIRAMUNDALI(GRIDCO)	220KV TSTPP (NTPC) -2	NP-5982-A
100	L&T	ER-62	PURNEA(PG)	132KV PURNEA (BSPHCL) -1	NP-6081-A
101	L&T	ER-63	PURNEA(PG)	132KV PURNEA (BSPHCL) -2	NP-6082-A
102	L&T	ER-48	PURNEA(PG)	132KV PURNEA (BSPHCL) -3	NP-6083-A
103	L&T	ER-49	PURNEA(PG)	132KV KISHANGANJ (BSPHCL)	NP-6084-A
104	L&T	EM-50	PURNEA(PG)	400/220 KV ICT-2	NP-6086-A
105	L&T	ER-04	PURNEA(PG)	400 KV SIDE 500 MVA ICT-1	NP-6087-A
106	L&T	RG-04	RANGIT(NHPC)	132KV KURSEONG(WBSETCL) (MAIN)	NP-6503-A
107	L&T	RG-06	RANGIT(NHPC)	132KV RAMMAM (WBSETCL) (MAIN)	NP-6504-A
108	L&T	RG-11	RANGIT(NHPC)	132KV RANGPO (PG) (MAIN)	NP-6506-A
109	L&T	OR-04	RENGALI (GRIDCO)	220KV RENGALI (PG) -2	NP-5985-A
110	L&T	OR-11	RENGALI (GRIDCO)	220KV TSTPP (NTPC)	NP-5986-A
111	L&T	WB-51	BIDHANNAGAR (WBSETCL)	220 KV WARIA (DVC)-1	NP-6484-A
112	L&T	WB-07	BIDHANNAGAR (WBSETCL)	220 KV PARULIA (PG)	NP-6486-A
113	L&T	BI-03	PURNEA (BSPHCL)	132KV PURNEA (PG) -1	NP-6088-A
114	L&T	BI-04	PURNEA (BSPHCL)	132KV PURNEA (PG) -2	NP-6089-A
115	L&T	BI-51	PURNEA (BSPHCL)	132KV PURNEA (PG)-3	NP-6090-A
116	L&T		KURSEONG(WBSETCL)	132 KV RANGIT(NHPC)	NP-7541-A
117	L&T		KURSEONG(WBSETCL)	132 KV SILIGURI(PG)	NP-7542-A
118	L&T	DV-04	MEJIA(DVC)	400KV MAITHON (PG) (MAIN)	NP-6557-A
119	L&T	BI-21	BAISI (BSPHCL)	132 KV DALKHOLA (WBSETCL)	NP-6085-A
120	L&T	BI-20	KISHANGANJ (BSPHCL)	132 KV PURNEA (PG)	NP-5236-A
121	L&T	TL-24	TALCHER(NTPC)	400KV RENGALI (PG) -2	NP-5972-A
122 123	L&T	OR-61	BARIPADA(GRIDCO) BANGRIPOSI(GRIDCO)	132KV BARIPADA(PG)	NP-5908-A NP-5907-A
123	L&T L&T	OR-62 EM-59	BARIPADA(PG)	132KV BARIPADA(PG) 220KV SIDE OF BARIPADA 220/132 KV ICT	NP-5907-A NP-5911-A
124	L&T	DV-55	MANIQUE (DVC)	132KV CHANDIL (JUVNL)	NP-5911-A NP-6011-B
125	L&T	OR-63	BALASORE(GRIDCO)	220KV BARIPADA(PG)-2	NP-5904-A
127	L&T	OR-60	BALASORE(GRIDCO)	220KV BARIPADA(PG)-1	NP-5904-A
128	L&T	BI-19	JAGDISHPUR(BSPHCL)	132 KV ARAH(PG)-2	NP-7689-A
129	L&T	ER-08	DURGAPUR(PG)	400KV BIDHANAGAR(WB)-2	NP-6459-A
130	L&T	ER-07	DURGAPUR(PG)	400 KV JAMSHEDPUR(PG)	NP-6461-A
131	L&T	OR-54	JINDAL (GRIDCO)	220KV JAMSHEDPUR (DVC)	NP-6502-A
132	L&T	DV-51	BARHI (DVC)	132KV RAJGIR/BSF (BSPHCL)	NP-6007-B
133	L&T	JS-62	TENUGHAT (JUVNL)	220KV BIHARSARIFF (BSPHCL)	NP-6115-A
134	L&T	JS-57	CHANDIL (JUVNL)	220KV SANTALDIH (WBSETCL)	NP-7436-A
135	L&T	JS-05	CHANDIL(JUVNL)	220 KV RANCHI (PG)-1	NP-7434-A
136	L&T	ER-05	DURGAPUR(PG)	220KV PARULIA (DVC) -1	NP-6456-A
137	L&T	EM-08	BINAGURI(PG)	400KV TALA (THP)-2	NP-5087-A
138 139	L&T L&T	EM-14	BINAGURI(PG)	400KV KISHANGANJ(PG)-2	NP-5093-A NP-6117-A
139	L&T	JS-52 OR-53	KENDOPOSI (JUVNL) JODA (GRIDCO)	132KV JODA (GRIDCO) 220KV RAMCHANDRAPUR (JUVNL)	NP-5117-A NP-5937-A
141	L&T	OR-53 OR-52	JODA (GRIDCO)	132KV KENDPOSI (JUVNL)	NP-5937-A NP-5939-A
142	L&T	EM-74	SUBHASGRAM(PG)	400KV SAGARDIGHI(WBSETCL)	NP-5846-A
143	L&T	WB-20	BIDHANNAGAR (WBSETCL)	400 KV DURGAPUR (PG) -2	NP-6499-A
144	L&T	JS-58	GARWA(JUVNL)	132KV RIHAND (UPSEB)	NP-6113-A
145	L&T	JS-53	GOELKERA (JUVNL)	132KV ROURKELA (GRIDCO)	NP-6009-B
146	L&T	JS-64	JAPLA (JUVNL)	132KV SONENAGAR (BSPHCL)	NP-6112-A
147	L&T	ER-06	DURGAPUR(PG)	220KV PARULIA (DVC) -2	NP-6458-A
148	L&T	EM-91	DURGAPUR(PG)	400 KV SAGARDIGHI (WBSETCL)-1	NP-6548-A

4.40	<del>.</del> .	DII 40	IDABUATRO)	Langua (a) CIDE OF IOT II	ND 7404 A
149	L&T	BH-13	BARH(NTPC)	400 KV SIDE OF ICT -II	NP-7481-A
150 151	L&T L&T	OR-56 OR-57	BUDHIPADAR (GRIDCO) BUDHIPADAR (GRIDCO)	220KV RAIGARH (MPEB) 220KK KORBA (MPEB) -2	NP-5940-A NP-5941-A
152	L&T	OR-57	BUDHIPADAR (GRIDCO)	220KK KORBA (MPEB) -3	NP-5941-A NP-5944-A
153	L&T	OR-01	TARKERA (GRIDCO)	220KV ROURKELA (PG) -1	NP-5934-A
154	L&T	OR-02	TARKERA (GRIDCO)	220KV ROURKELA (PG) -2	NP-5935-A
155	L&T	ER-54	SILIGURI(PG)	132KV KURSEONG(WBSETCL)	NP-5947-A
156	L&T	ER-50	SILIGURI(PG)	220KV KISHANGANJ (PG) -1	NP-5949-A
157	L&T	DV-60	WARIA (DVC)	220KV BIDHANNAGAR (WBSETCL)-1	NP-6564-B
158	L&T	JS-63	LALMATIA (JUVNL)	132KV KAHALGAON (BSPHCL)	NP-6107-A
159	L&T	JS-03	LALMATIA (JUVNL)	132KV KAHALGAON (NTPC)	NP-6108-A
160	L&T	JS-04	LALMATIA (JUVNL)	220KV FARAKKA (NTPC)	NP-6109-A
161	L&T	ER-30	RENGALI(PG)	220KV RENGALI (GRIDCO) -1	NP-5989-A
162	L&T L&T	ER-31 DV-01	RENGALI(PG) PARULIA (DVC)	220KV RENGALI (GRIDCO) -2 220KV PARULIA (PG) -1&2(SUM)	NP-5990-A NP-6563-B
163 164	L&T	ER-53	SILIGURI(PG)	132KV NJP(WBSETCL)	NP-5946-A
165	L&T	ER-76	SILIGURI(PG)	220/132 KV ICT -1	NP-5951-A
166	L&T	WB-11	RAMMAM (WBSETCL)	132 KV RANGIT (NHPC)	NP-5917-A
167	L&T	JS-65	DEOGARH (JUVNL)	132KV SULTANGANJ (BSPHCL)	NP-6048-B
168	L&T	ER-29	RENGALI(PG)	400KV INDRAVATI (PG)	NP-5987-A
169	L&T	WB-04	NBU(WBSETCL)	132KV SILIGURI(PĠ)	NP-5953-A
170	L&T	WB-03	NJP(WBSETCL)	132KV SILIGURI(PG)	NP-5952-A
171	L&T	JS-66	JAMTARA (JUVNL)	132KV MAITHON (DVC	NP-6110-A
172	L&T	OR-05	JEYNAGAR (GRIDCO)	220KV JEYPORE (PG) -1	NP-5963-A
173	L&T	OR-06	JEYNAGAR (GRIDCO)	220KV JEYPORE (PG) -2	NP-5964-A
174 175	L&T L&T	ER-39	BIRPARA(PG)	220KV CHUKHA (CHPC) -1	NP-6465-A
175	L&T	EM-94 ER-96	RANCHI(PG) ARAH(PG)	400 KV MAITHON RB -I 220/132 KV ICT-2	NP-7839-A NP-6059-A
176	L&T	OR-21	MENDHASAL (GRIDCO)	400 KV PANDIABILI (PG)-1	NP-5980-A
178	L&T	EM-21	BIHARSHARIFF(PG)	400KV BALIA (NR)-1	NP-6061-A
179	L&T	ER-90	BIHARSHARIFF(PG)	400KV SASARAM (NR) -2	NP-6062-A
180	L&T	ER-01	BIHARSHARIFF(PG)	400/220 KV ICT-1	NP-6063-A
181	L&T	EP-74	BIHARSHARIFF(PG)	400 KV KAHALGAON(NTPC) LINE-1	NP-6064-A
182	L&T	EM-22	BIHARSHARIFF(PG)	400KV BALIA (NR)-2	NP-6065-A
183	L&T	ER-03	BIHARSHARIFF(PG)	400/220 KV ICT-3	NP-6068-A
184	L&T	ER-02	BIHARSHARIFF(PG)	400/220 KV ICT-2	NP-6069-A
185	L&T	DV-05	MEJIA(DVC)	400KV JAMSHEDPUR (PG) (MAIN)	NP-6508-A
186 187	L&T L&T	OR-13 WB-02	INDRAVATI P/H (GRIDCO) BIRPARA (WBSETCL)	400KV INDRAVATI (PG) 132KV BIRPARA(PG)-2	NP-5967-A NP-5893-A
188	L&T	ER-18	JAMSHEDPUR(PG)	400/220 KV ICT-2	NP-6105-A
189	L&T	ER-17	JAMSHEDPUR(PG)	400/220 KV ICT-1	NP-6106-A
190	L&T	BI-48	BIHARSHARIFF (BSPHCL)	132KV RAJGIR (BSPHCL)	NP-6070-A
191	L&T	BI-55	RAJGIR(BSPHCL)	132KV BARHI (DVC)	NP-6066-A
192	L&T	BI-11	ARAH(BSPHCL)	132KV ARAH (PG)	NP-6052-A
193	L&T	ER-09	ARAH(PG)	132KV ARAH (BSPHCL)	NP-6051-A
194	L&T	ER-10	ARAH(PG)	132KV DUMRAO (BSPHCL)	NP-6054-A
195	L&T	ER-65	PURNEA(PG)	220KV DALKHOLA (PG) -2	NP-7419-A
196	L&T	ER-64	PURNEA(PG)	220KV DALKHOLA (PG) -1	NP-7420-A
197	L&T	BI-02	BIHARSHARIFF(BSPHCL)	220KV BIHARSHARIF(PG)-2	NP-5840-A
198	L&T	BI-01	BIHARSHARIFF(BSPHCL)	220KV BIHARSHARIF(PG)-1 220KV BIHARSHARIF(PG)-3	NP-5841-A
199 200	L&T L&T	BI-67 BI-57	BIHARSHARIFF(BSPHCL) BIHARSHARIFF(BSPHCL)	220KV TENUGHAT (JUVNL)	NP-5843-A NP-5844-A
200	L&T	EP-42	PATNA(PG)	400 KV BALIA (NR)-3	NP-7684-A
202	L&T	EP-40	PATNA(PG)	400 KV BARH(NTPC)-3	NP-7685-A
203	L&T	BI-18	DEHRI (BSPHCL)	220 KV GAYA (PG) -1	NP-7397-A
204	L&T	EP-17	GAYA(PG)	400 KV SIDE 1500 MVA GAYA ICT-2	NP-7469-A
205	L&T	EM-75	BIRPARA(PG)	132KV BIRPARA(WB)-2	NP-6470-A
206	L&T	EP-32	BOLANGIR(PG)	400 KV ANGUL(PG) LINE	NP-7538-A
207	L&T	ER-86	INDRAVATI(PG)	400KV INDRAVATI P/H)	NP-5966-A
208	L&T	ET-10	JEYPORE(PG)	430 V SIDE OF TERTIARY TRF(PG)	NP-5965-A
209	L&T	KG-01	KAHALGAON(NTPC)	KAHALGAON GT-5	NP-5116-A
210 211	L&T L&T	KH-32	KAHALGAON(NTPC)	400KV BANKA-2(MAIN)	NP-5117-A NP-5235-A
211	L&T	KH-33 KH-13	KAHALGAON(NTPC) KAHALGAON(NTPC)	400KV BANKA-1(CHECK) 132KV SABOUR (BSPHCL)	NP-5235-A NP-5239-A
213	L&T	KH-23	KAHALGAON(NTPC)	400KV MAITHON (PG) -1	NP-5242-A
214	L&T	KH-14	KAHALGAON(NTPC)	132KV LALMATIA (BSPHCL)	NP-5244-A
215	L&T	KH-31	KAHALGAON(NTPC)	400KV BANKA-1(MAIN)	NP-5245-A
216	L&T	KH-11	KAHALGAON(NTPC)	400KV LAKHISARAI(PG)-1	NP-5246-A
217	L&T	KH-09	KAHALGAON(NTPC)	400KV MAITHON (PG) -1	NP-5247-A
218	L&T	KH-25	KAHALGAON(NTPC)	400KV LAKHISARAI(PG)-1	NP-5248-A
219	L&T	KH-02	KAHALGAON(NTPC)	KAHALGAON GT-2	NP-5250-A
220	L&T	KH-16	KAHALGAON(NTPC)	K'GAON 400/132 ATR-II	NP-5251-A
221	L&T	KH-24	KAHALGAON(NTPC)	400KV MAITHON (PG) -2	NP-5253-A
222	L&T	KH-08	KAHALGAON(NTPC)	400KV FARAKKA (NTPC) -2	NP-5254-A
223 224	L&T L&T	KH-17 KH-06	KAHALGAON(NTPC) KAHALGAON(NTPC)	COLONY TRANSFORMER-I KAHALGAON STN TRANS-2	NP-5255-A NP-5256-A
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	I &T	KH_1∩	KAHAI GAON(NITPO)	400KV MAITHON (PG) -2	NP-5257-A
225	L&T L&T	KH-10 KH-07	KAHALGAON(NTPC) KAHALGAON(NTPC)	400KV MAITHON (PG) -2 400KV FARAKKA (NTPC) -1	NP-5257-A NP-5258-A

227	L&T	KH-21	KAHALGAON(NTPC)	400KV FARAKKA (NTPC) -1	NP-5259-A
228	L&T	KH-22	KAHALGAON(NTPC)	400KV FARAKKA (NTPC) -2	NP-5260-A
229	L&T	KH-19	KAHALGAON(NTPC)	132KV KAHALGAON (BSPHCL)	NP-5261-A
230	L&T	KH-05	KAHALGAON(NTPC)	KAHALGAON STN TRANS-1	NP-5262-A
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231	L&T	KH-27	KAHALGAON(NTPC)	400/132 ATR-I	NP-5263-A
232	L&T	KH-37	KAHALGAON(NTPC)	400KV BARH-1 (CHECK)	NP-5264-A
233	L&T	KH-28	KAHALGAON(NTPC)	400/132 ATR-II	NP-5265-A
234	L&T	KH-36	KAHALGAON(NTPC)	400KV BARH-2 (MAIN)	NP-5266-A
235	L&T	KH-18	KAHALGAON(NTPC)	COLONY TRANSFORMER-II	NP-5267-A
236	L&T	KH-38	KAHALGAON(NTPC)	400KV BARH-2 (CHECK)	NP-5268-A
237	L&T	KH-35	KAHALGAON(NTPC)	400KV BARH-1 (MAIN)	NP-5269-A
238	L&T	KH-15	KAHALGAON(NTPC)	K'GAON 400/132 ATR-I	NP-5837-A
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239	L&T	KH-03	KAHALGAON(NTPC)	KAHALGAON GT-3	NP-5850-A
240	L&T	KH-01	KAHALGAON(NTPC)	KAHALGAON GT-1	NP-5851-A
241	L&T	KG-02	KAHALGAON(NTPC)	KAHALGAON GT-6	NP-5852-A
242	L&T	KG-06	KAHALGAON(NTPC)	132KV STN TRANS-5	NP-5856-A
243	L&T	KG-03	KAHALGAON(NTPC)	KAHALGAON GT-7	NP-5857-A
244	L&T	KH-04	KAHALGAON(NTPC)	KAHALGAON GT-4	NP-5859-A
245	L&T	KH-34	KAHALGAON(NTPC)	400KV BANKA-2(CHECK)	NP-5861-A
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246	L&T	KG-04	KAHALGAON(NTPC)	132KV STN TRANS-3	NP-5862-A
247	L&T	KG-05	KAHALGAON(NTPC)	132KV STN TRANS-4	NP-5863-A
248	L&T	ET-11	KEONJHAR(PG)	33 KV SIDE OF TERTIARY TRF(PG)	NP-7921-A
249	L&T	DV-65	KHARAGPUR (DVC)	132KV KHARAGPUR (WBSETCL)	NP-6559-B
250	L&T	ES-46	KISHANAGNJ(PG)	400 KV SIDE OF 500 MVA ICT-1	NP-7413-A
251	L&T	DV-09	K'NESWARI (DVC)	220KV MAITHON (PG) -4	NP-6493-A
252	L&T	WB-10	KOLAGHAT (WBSETCL)	400 KV KHARAGPUR (WBSETCL)	NP-6487-A
252	L&T	DV-61	KOLAGHAT (WBSETCL)	132KV KOLAGHAT (WBSETCL)	NP-6558-B
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254	L&T	ER-15	MAITHON(PG)	400KV DSTPS ANDAL (DVC)	NP-6521-A
255	L&T	DV-16	MEJIA (DVC)	400 KV MAITHON(DVC) (CHECK)	NP-6776-A
256	L&T	EM-23	MUZAFFARPUR(PG)	400KV BIHARSARIFF-1	NP-5071-A
257	L&T	EM-25	MUZAFFARPUR(PG)	400KV GORAKHPUR(NR)-1	NP-5074-A
258	L&T	EM-27	MUZAFFARPUR(PG)	400KV PURNEA-1	NP-5075-A
259	L&T	EM-26	MUZAFFARPUR(PG)	400KV GORAKHPUR(NR)-2	NP-9981-A
260				400/220KV ICT-1	
	L&T	EM-30	MUZAFFARPUR(PG)		NP-9983-A
261	L&T	BI-56	NALANDA(BSPHCL)	132KV BARHI (DVC)	NP-7690-A
262	L&T	EN-86	NEW MELLI(PG)	220 KV TASHIDING	NP-8740-A
263	L&T	EN-85	NEW MELLI(PG)	220 KV RANGPO(PG)-2	NP-8746-A
264	L&T	ES-39	PANDIABILI(PG)	415 V SIDE OF TERTIRAY AT PANDIABIL	NP-7462-A
265	L&T	EM-71	PATNA(PG)	400KV BARH-2	NP-5838-A
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266	L&T	EP-41	PATNA(PG)	400 KV BARH(NTPC)-4	NP-8632-A
267	L&T	EP-41 DV-62	PATNA(PG) PURULIA (DVC)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL)	NP-8632-A NP-6560-B
267 268	L&T L&T	EP-41 DV-62 EG-66	PATNA(PG) PURULIA (DVC) PUSAULI(PG)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1	NP-8632-A NP-6560-B NP-6016-B
267 268 269	L&T L&T L&T	EP-41 DV-62 EG-66 JS-02	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1 220KV JAMSHEDPUR(PG)-2	NP-8632-A NP-6560-B NP-6016-B NP-5119-A
267 268 269 270	L&T L&T L&T L&T	EP-41 DV-62 EG-66 JS-02 EG-89	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1 220KV JAMSHEDPUR(PG)-2 765 KV SIDE OF 765/400 KV ICT-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A
267 268 269	L&T L&T L&T	EP-41 DV-62 EG-66 JS-02	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1 220KV JAMSHEDPUR(PG)-2 765 KV SIDE OF 765/400 KV ICT-1 400 KV SIDE OF 765/400 KV ICT-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A
267 268 269 270	L&T L&T L&T L&T	EP-41 DV-62 EG-66 JS-02 EG-89	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1 220KV JAMSHEDPUR(PG)-2 765 KV SIDE OF 765/400 KV ICT-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A
267 268 269 270 271 272	L&T L&T L&T L&T L&T L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1 220KV JAMSHEDPUR(PG)-2 765 KV SIDE OF 765/400 KV ICT-1 400 KV SIDE OF 765/400 KV ICT-1 400KV SIPAT(WR)-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A
267 268 269 270 271 272 273	L&T L&T L&T L&T L&T L&T L&T L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG) RANCHI(PG)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1 220KV JAMSHEDPUR(PG)-2 765 KV SIDE OF 765/400 KV ICT-1 400 KV SIDE OF 765/400 KV ICT-1 400KV SIPAT(WR)-1 400KV SIPAT(WR)-2	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A
267 268 269 270 271 272 273 274	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1 220KV JAMSHEDPUR(PG)-2 765 KV SIDE OF 765/400 KV ICT-1 400 KV SIDE OF 765/400 KV ICT-1 400KV SIPAT(WR)-1 400KV SIPAT(WR)-2 220KV SIDE OF RANCHI ICT-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A
267 268 269 270 271 272 273 274 275	L&T L&T L&T L&T L&T L&T L&T L&T L&T L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1 220KV JAMSHEDPUR(PG)-2 765 KV SIDE OF 765/400 KV ICT-1 400 KV SIDE OF 765/400 KV ICT-1 400KV SIPAT(WR)-1 400KV SIPAT(WR)-2 220KV SIDE OF RANCHI ICT-1 400KV RAGHUNATHPUR(DVC)-II	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A
267 268 269 270 271 272 273 274 275 276	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG)	400 KV BARH(NTPC)-4 132KV PURULIA (WBSETCL) 415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1 220KV JAMSHEDPUR(PG)-2 765 KV SIDE OF 765/400 KV ICT-1 400 KV SIDE OF 765/400 KV ICT-1 400KV SIPAT(WR)-1 400KV SIPAT(WR)-2 220KV SIDE OF RANCHI ICT-1 400KV RAGHUNATHPUR(DVC)-II 220KV SIDE ICT-2	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A
267 268 269 270 271 272 273 274 275 276 277	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-42	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5871-A NP-5873-A
267 268 269 270 271 272 273 274 275 276 277 278	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-42 EM-45	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5873-A NP-5874-A
267 268 269 270 271 272 273 274 275 276 277 278	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-42 EM-45 EM-46	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV MAITHON-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5873-A NP-5874-A NP-5874-A NP-5877-A
267 268 269 270 271 272 273 274 275 276 277 278 279	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-43 EM-42 EM-45 EM-46 EM-60	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV MAITHON-1  400KV SIDE OF RANCHI ICT-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5873-A NP-5873-A NP-5874-A NP-5874-A NP-5877-A NP-5878-A
267 268 269 270 271 272 273 274 275 276 277 278	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-42 EM-45 EM-46	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV MAITHON-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5873-A NP-5874-A NP-5874-A NP-5877-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-43 EM-42 EM-45 EM-46 EM-60 EM-44	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI (PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV MAITHON-1  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5873-A NP-5873-A NP-5874-A NP-5874-A NP-5878-A NP-5878-A NP-5879-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-42 EM-45 EM-46 EM-60 EM-44 ER-28	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI (PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV MAITHON-1  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV BARIPADA (PG)	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5873-A NP-5874-A NP-5874-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-42 EM-45 EM-46 EM-60 EM-44 ER-28 WB-12	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV MAITHON-1  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV BARIPADA (PG)	NP-8632-A NP-6560-B NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-5875-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5873-A NP-5874-A NP-5878-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A NP-5879-A NP-5879-A NP-5991-A NP-6482-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-45 EM-46 EM-60 EM-44 ER-28 WB-12 WB-13	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV BARIPADA (PG)  400 KV FARAKKA (NTPC)-1(MAIN)  400 KV SUBHASGRAM(PG)	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5874-A NP-5878-A NP-5878-A NP-5879-A NP-5879-A NP-5991-A NP-6482-A NP-6483-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-42 EM-45 EM-46 EM-60 EM-44 ER-28 WB-12 WB-13 WB-21	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI(PG)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV SIDE OF RANCHI ICT-1  220KV SIDE OF RANCHI ICT-1  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV BARIPADA (PG)  400 KV FARAKKA (NTPC)-1(MAIN)  400 KV SUBHASGRAM(PG)	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5873-A NP-5874-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A NP-5991-A NP-6482-A NP-7964-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-42 EM-45 EM-46 EM-60 EM-44 ER-28 WB-12 WB-13 WB-21	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI(PG) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV SIDE OF RANCHI ICT-1  220KV SIDE OF RANCHI ICT-1  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV BARIPADA (PG)  400 KV FARAKKA (NTPC)-1(MAIN)  400 KV SUBHASGRAM(PG)  400 KV DURGAPUR(PG)-1(CHECK)	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5873-A NP-5874-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A NP-5991-A NP-6482-A NP-7964-A NP-7990-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-42 EM-45 EM-46 EM-46 EM-44 ER-28 WB-12 WB-13 WB-21 WB-22 ST-12	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI(PG) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) STERLITE	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV MAITHON-1  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUNNL)  400KV SUBHASGRAM(PG)  400 KV SUBHASGRAM(PG)  400 KV DURGAPUR(PG)-1(MAIN)  400 KV DURGAPUR(PG)-1(CHECK)	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5873-A NP-5874-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A NP-5991-A NP-6482-A NP-7964-A NP-7990-A NP-7990-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-42 EM-45 EM-46 EM-46 EM-46 EM-41 EM-43 EM-45 EM-46 EM-40 EM-41 EM-41 EM-45 EM-46 EM-41 EM-41 EM-41 EM-45 EM-46 EM-41	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI(PG) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) STERLITE	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400 KV SIPAT(WR)-1  400 KV SIPAT(WR)-2  220 KV SIDE OF RANCHI ICT-1  400 KV RAGHUNATHPUR(DVC)-II  220 KV SIDE ICT-2  400 KV SIDE ICT-2  220 KV CHANDIL (JUVNL)-1  400 KV MAITHON-1  400 KV SIDE OF RANCHI ICT-1  220 KV PATRATU (JUVNL)  400 KV BARIPADA (PG)  400 KV FARAKKA (NTPC)-1(MAIN)  400 KV SUBHASGRAM(PG)  400 KV DURGAPUR(PG)-1(CHECK)  400 KV SUNDERGARH (CHECK)-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5872-A NP-5873-A NP-5874-A NP-5877-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A NP-5991-A NP-5991-A NP-6482-A NP-7964-A NP-7990-A NP-7990-A NP-6536-A NP-6537-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-41 EM-43 EM-45 EM-46 EM-46 EM-40 EM-41 EM-41 EM-45 EM-46 EM-40 EM-41	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) STERLITE STERLITE	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400KV SIPAT(WR)-1  400KV SIPAT(WR)-2  220KV SIDE OF RANCHI ICT-1  400KV RAGHUNATHPUR(DVC)-II  220KV SIDE ICT-2  400KV SIDE ICT-2  220KV CHANDIL (JUVNL)-1  400KV MAITHON-1  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUVNL)  400KV SIDE OF RANCHI ICT-1  220KV PATRATU (JUNNL)  400KV SUBHASGRAM(PG)  400 KV SUBHASGRAM(PG)  400 KV DURGAPUR(PG)-1(MAIN)  400 KV DURGAPUR(PG)-1(CHECK)	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5872-A NP-5873-A NP-5874-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A NP-5991-A NP-5991-A NP-6482-A NP-6483-A NP-7964-A NP-7990-A NP-6336-A NP-6536-A NP-6537-A NP-6538-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-43 EM-45 EM-46 EM-60 EM-44 ER-28 WB-12 WB-13 WB-21 WB-21 ST-10 ST-09	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI(PG) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) STERLITE	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400 KV SIPAT(WR)-1  400 KV SIPAT(WR)-2  220 KV SIDE OF RANCHI ICT-1  400 KV RAGHUNATHPUR(DVC)-II  220 KV SIDE ICT-2  400 KV SIDE ICT-2  220 KV CHANDIL (JUVNL)-1  400 KV MAITHON-1  400 KV SIDE OF RANCHI ICT-1  220 KV PATRATU (JUVNL)  400 KV BARIPADA (PG)  400 KV FARAKKA (NTPC)-1(MAIN)  400 KV SUBHASGRAM(PG)  400 KV DURGAPUR(PG)-1(CHECK)  400 KV SUNDERGARH (CHECK)-1	NP-8632-A NP-6560-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5872-A NP-5873-A NP-5874-A NP-5877-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A NP-5991-A NP-5991-A NP-6482-A NP-7964-A NP-7990-A NP-7990-A NP-6536-A NP-6537-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-43 EM-45 EM-46 EM-60 EM-44 ER-28 WB-12 WB-13 WB-21 WB-21 ST-10 ST-09	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) STERLITE STERLITE STERLITE	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400 KV SIPAT(WR)-1  400 KV SIPAT(WR)-2  220 KV SIDE OF RANCHI ICT-1  400 KV RAGHUNATHPUR(DVC)-II  220 KV SIDE ICT-2  400 KV SIDE ICT-2  220 KV CHANDIL (JUVNL)-1  400 KV MAITHON-1  400 KV SIDE OF RANCHI ICT-1  220 KV PATRATU (JUVNL)  400 KV BARIPADA (PG)  400 KV FARAKKA (NTPC)-1(MAIN)  400 KV SUBHASGRAM(PG)  400 KV DURGAPUR(PG)-1(CHECK)  400 KV SUNDERGARH (CHECK)-1  400 KV SUNDERGARH (CHECK)-2  400 KV SUNDERGARH (MAIN)-1  400 KV SUNDERGARH (MAIN)-1	NP-8632-A NP-6560-B NP-6016-B NP-6016-B NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5872-A NP-5872-A NP-5874-A NP-5877-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A NP-5879-A NP-5991-A NP-5991-A NP-6482-A NP-6483-A NP-7964-A NP-7990-A NP-6536-A NP-6538-A NP-6538-A NP-6538-A
267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291	L&T	EP-41 DV-62 EG-66 JS-02 EG-89 EG-90 EM-47 EM-48 EM-61 EM-43 EM-45 EM-46 EM-60 EM-44 ER-28 WB-12 WB-13 WB-21 WB-21 ST-10 ST-09 TL-14	PATNA(PG) PURULIA (DVC) PUSAULI(PG) RAMCHANDRAPUR(JUVNL) RANCHI NEW(PG) RANCHI NEW(PG) RANCHI(PG) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) SAGARDIGHI(WBSETCL) STERLITE STERLITE STERLITE STERLITE TALCHER(NTPC)	400 KV BARH(NTPC)-4  132KV PURULIA (WBSETCL)  415 V SIDE OF PUSAULI 11/0.415 ST LIGHT TF-1  220KV JAMSHEDPUR(PG)-2  765 KV SIDE OF 765/400 KV ICT-1  400 KV SIDE OF 765/400 KV ICT-1  400 KV SIPAT(WR)-1  400 KV SIPAT(WR)-2  220 KV SIDE OF RANCHI ICT-1  400 KV RAGHUNATHPUR(DVC)-II  220 KV SIDE ICT-2  400 KV SIDE ICT-2  220 KV CHANDIL (JUVNL)-1  400 KV MAITHON-1  400 KV MAITHON-1  400 KV SIDE OF RANCHI ICT-1  220 KV PATRATU (JUVNL)  400 KV BARIPADA (PG)  400 KV FARAKKA (NTPC)-1(MAIN)  400 KV SUBHASGRAM(PG)  400 KV SUNDERGARH (CHECK)-1  400 KV SUNDERGARH (CHECK)-2  400 KV SUNDERGARH (MAIN)-1  400 KV SUNDERGARH (MAIN)-2  400 KV SUNDERGARH (MAIN)-2	NP-8632-A NP-6560-B NP-65119-A NP-5119-A NP-7848-A NP-8756-A NP-5835-A NP-5836-A NP-5870-A NP-5871-A NP-5873-A NP-5874-A NP-5874-A NP-5878-A NP-5879-A NP-5879-A NP-5879-A NP-5991-A NP-6482-A NP-6483-A NP-7964-A NP-7990-A NP-6536-A NP-6538-A NP-6539-A
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305	L&T	TL-28	TALCHER(NTPC)	400KV ANGUL (PG) (CHECK)	NP-5104-A
306	L&T	TL-02	TALCHER(NTPC)	TALCHER GT-2	NP-5105-A
307	L&T	TL-08	TALCHER(NTPC)	400KV RENGALI (PG) -2	NP-5106-A
308	L&T	TL-01	TALCHER(NTPC)	TALCHER GT-1	NP-5107-A
309	L&T	TL-03	TALCHER(NTPC)	400/220KV ATR-1	NP-5108-A
310	L&T	TL-04	TALCHER(NTPC)	400/220KV ATR-2	NP-5109-A
311	L&T	TL-23	TALCHER(NTPC)	400KV RENGALI (PG) -1	NP-5110-A
312	L&T	TL-11	TALCHER(NTPC)	220KV M'MUNDALI (GRIDCO) -1	NP-5112-A
313	L&T	TL-26	TALCHER(NTPC)	400/220KV ATR-2	NP-5113-A
314	L&T	TL-22	TALCHER(NTPC)	400KV ROURKELA (PG) -2	NP-5115-A

Precautions to be taken during accuracy check of Special Energy meters **Precautions applicable to all sub stations** 

- Take One meter at a time for accuracy check for inservice meters
  - Take 220 kV of ICT SEMS one after one on first day (All meter on 220 kv can be taken for calibration in one
- 2 day one after one)
  - Take 400 side of ICT SEMs one after one on Second day (All 400 kV side meters can be taken up for
- calibration in One day one after one) (One day gap should be allowed between 220 kV side and 400 kV side of ICT) While taking out 400 kV feeder SEM, ensure standby meter(Other meter) is in service.
- After Shorting CT circuits, and removing PT supply to SEM, Meter can be given for accuracy check. SEM meter need not be removed from the location Accuracy check of SEMs at SEB location is also to be carried out.

- Genus SEM meters need not be calibrated as they are new
- Calibration of Main/Check meters and standby meter of same feeder should be avoided. Calibration plan may be shared with ERLDC.

							M DEVELO																		
CI		1	T		Status o	f the Projec	cts approved i	n Eastern Re	gion			1													
S1 No	State	Entity	Name of the Proposal & No	Date of Sanction	Approved DPR cost	Sanctioned Grant	cianing of	Date of First Disbursment	Completion Schedule (in months)	Grant Disbusre d till date	% Grant disbursed	Under process of disbusrement	Total Awards amount placed till date	Remarks											
1			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	Bihar	BSPTCL	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											
			Total		147.02	132.32				73.03	55.19%		90.18												
4	Jharkhand	ILIGNII	Renovation & Upradation of protection system of Jharkhnad. (161)	15-Nov-17	153.48	138.13	3-Jul-18	28-Mar-19	16	39.03	28.26%	75.65	140.09	60% grant under process of disbusrement											
5	Jilai Kilailu		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											
			Total		200.3	160.49				39.03	24.32%	75.65	140.09												
6			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		OPTCL	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	Odisha		Implementation of Automatic Demand Management System (ADMS) in SLDC, Odisha.	24-May-19	3.26	2.93	Agreement signed		10		0.00%			Agreement signed											
10								(196) Protection Upgradation and installation os Substation Automatic System (SAS) for seven nos of 220/132/33kV Substations (Balasore, Bidanasi, Budhipadar, Katapali, Narendrapur, New-Bolangir & Paradeen) (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											
			Total		330.83	277.25				59.11	21.32%		121.66												
12			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		CL	CL	CL I	CL	CL	CL	CL		CL	CL I	CL	CL S	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	West Bengal		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											

								PMENT FUN						
		ı		1	Status o	f the Projec	ts approved i	n Eastern Re	gion	1		1		_
Sl No	State	Entity	Name of the Proposal & No	Date of Sanction	Approved DPR cost	Sanctioned Grant	cianing of	Date of First Disbursment	Completion Schedule (in months)	Grant Disbusre d till date	% Grant disbursed	Under process of disbusrement	Total Awards amount placed till date	Remarks
17			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		WBPDC	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		L	Renovation and Modernization of switchyard and related protection system of different power stations (BTPS, BKTPS and KTPS) of WBPDCL (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
			Total		482.28	395.06				136.99	34.68%		173.04	
20			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	DVC	DVC	Renovation and Modernization of control and protection system and replecement 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
			Total		184.96	166.46				59.01	35.45%		151.03	
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
					20.00	10.00				0.00	0.00%		0.00	
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			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	ERPC	ERPC	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
			Total		726.38	656.35				591.31	90.09%		673.98	
П			GrandTotal		2,091.77	1,797.94				958.48	53.31%	75.65	1349.96	

### **PSS Tuning Status in Eastern Region**

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 3 years, 36 Units PSS have been tuned whose details are given below in table 1. While the units where PSS have not been tuned in last three are given in table 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.

Table 1: Unit Where PSS tuning Completed during last Three years (2016-2019)

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

(\*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		
Ī	DPL	7-8	WBPDCL (After takeover)	No Details		
ſ	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			
Kahalgaon	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	No Details			
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	All Units	BPC	No Details			
Mangdechu	1.0	IDD	DI 11 5 1 0000			
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	WBPDCL	PSS tuning Order Placed for one Unit			
Kolaghat	1-3	WBPDCL	PSS tuning planned with DAVR Upgrade (Order placed)			
Adhunik	1-2	APNRL	Unit 1 in Next AOH, Unit 2 in Dec 2019			

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

SI. No.	Transmission Elements	Agency/Owner	Scheme(ERSS/TBCB /Standing Committee/State)	Schedule Completion	Projected Month for Completion	Issue being faced if any for delay in commissioning
1	Construction of Loop In Loop Out arrangement of 132 KV Tx. line Madhepura- Sonebarsa 132 KV S/C Tx.line on D/C Tower at Saharsa Existing against NIT No. 38/PR/BSPTCL/2014.	M/s VSPL	Special Plan of Phase- III BRGF	31.07.2018	Jan., 2020	ROW issues
2	Construction of 02 nos. 132KV Line bays at each 132/33KV Grid-Substation Mahnar & Shahpurpatori and Construction of 02nos. 220KV Line bays at 220/132/33KV GSS Samastipur(New) against NIT No. 85/PR/BSPTCL/2018.	M/s A.K. Das Associates Ltd. In JV with M/s REW Contracts Pvt. Ltd.	State Plan	13.10.2019	April, 2020	
3	Construction of 132 KV D/C transmission line from Laukahi – Phulparas with HTLS Conductor aginst NIT No. 111/PR/BSPTCL/2018	M/s M/s. Larsen & Toubro Limited	State Plan	06.02.2019	Dec., 2020	
4	Construction of 220 KV D/C Saharsa(New)- Begusarai Transmission line with ACSR Zebra Conductor against NIT No. 54/PR/BSPTCL/2018.	M/s Associated Power Structures Pvt. Ltd	State Plan	20.04.2020	April, 2020	
5	Construction of 02 Nos of 132KV bays each at GSS Muzaffarpur & Vaishali against NIT 65/PR/BSPTCL/2018	M/s Jagabandhu Enterprisers Pvt. Ltd. in JV with M/s MHD Power	State Plan	13.07.2019	April, 2020	
6	Construction of 02 Nos of 132KV bays at GSS Runnisaidpur & 02 Nos 220KV line bays at GSS Motipur against NIT 76/PR/BSPTCL/2018	M/s Powertech Engineers	State Plan	13.07.2019	June, 2020	
	Construction of 220 KV D/c transmission line from 220/132/33 KV GSS Chapra(New), Amnour to 400/220 KV GSS Muzaffarpur (PG) with Zebra conductor and 132 KV D/c transmission line from 220/132/33 KV GSS Chapra(New), Amnour to 132/33 KV GSS Vaishali with Panther conductor against NIT No- 51/PR/BSPTCL/2018	M/s KRRTPPL	State Plan	20.04,2020	Dec., 2020	
8	Augmentation of existing 132/33KV GSS Ekma (1x20MVA + 1x50MVA) by 3x50 MVA capacity against NIT No- 36/PR/BSPTCL/2018	M/s REW Contracts Pvt. Ltd.	State Plan	15.04.2020	Dec., 2020	
9	Capacity augmentation of GSS Hajipur, Gopalganj & Darbhanga by replacement of power transformer NIT No- 16/PR/BSPTCL/2018	M/s A.K. Das Associates Ltd. In JV with M/s REW Contracts Pvt. Ltd.	State Plan	20.01.2020	Sept., 2020	

	SI.		Agency/Owner	Scheme(ERSS/TBCE /Standing Committee/State)	Schedule Completion	Projected Month for Completion	Issue being faced if any for delay in commissioning
	100	Construction of (i)132 KV D/C by making LILO arrangement of 132 KV DCSS Saharsa(OLD)-Banmankhi Transmission Line at Saharsa (New) GSS (line length approx. 20 RKM) (ii) 132 KV D/C by making LILO arrangement of 132 KV DCSS Saharsa(OLD)-Udakishanganj Transmission Line at Saharsa (New) GSS (line length approx. 15 RKM) and (iii) 132KV D/C by making LILO arrangement of one circuit of Madhepura Sonebarsa 132KV D/C transmission line at Saharsa (New) GSS (line length approx. 35 RKM) against NIT No. 53/PR/BSPTCL/2018	M/s KRRTPPL	State Plan	20.01.2020	May, 2020	Commissioning
	11	Construction of 02 Nos. of 220 KV Line bay at 220/132/33 KV GSS Kishanganj (New) with SAS and 02 Nos. of 132 KV Line bay at 132/33 KV GSS Araria agains NIT No. 67/PR/BSPTCL/2018	M/s A.K. Das Associates Ltd. In JV with M/s REW Contracts Pvt. Ltd.	State Plan	13.10.2019	March, 2020	
	12	Construction of 04 Nos of 132/33 KV Transformer Bays in Gaya Transmission Circle against NIT No. 120/PR/BSPTCL/2018	M/s KRRTPPL	State Plan	24.11.2019	May, 2020	
1	13 T	Construction of 03 Nos of 132/33 KV Transformer Bays in Saran, Kosi & Darbhanga Transmission Circle against IIT No. 121/PR/BSPTCL/2018	M/s KRRTPPL	State Plan	24.11.2019	May, 2020	
1.	4 Ti	onstruction of 03 Nos of 132/33 KV ransformer Bays in Biharsharif & Dehri- n-sone Transmission Circle against NIT o. 122/PR/BSPTCL/2018	M/s Jagabandhu Enterprisers Pvt. Ltd. in JV with M/s MHD Power	State Plan	24.11.2019	May, 2020	
5	Por cor Tra	pply, erection, testing and mmissioning of 06 Nos. of 50 MVA wer Transformer with astruction/modification of foundation in unsmission Circle Muzaffarpur against f No. 125/PR/BSPTCL/2018	M/s REW Contracts Pvt. Ltd.	State Plan	24.02.2020	Sept., 2020	
	Pow cons Tran Darb	ply, erection, testing and unissioning of 06 Nos. of 50 MVA ver Transformer with struction/modification of foundation in smission Circle Saran, Kosi & changa against NIT No. PR/BSPTCL/2018	M/s KRRTPPL	State Plan	24.02.2020	Sept., 2020	
P Co Ti	omm ower onstr	ly, erection, testing and nissioning of 06 Nos. of 50 MVA r Transformer with uction/modification of foundation in nission Circle Gaya against NIT No. R/BSPTCL/2018	M/s KPM Infrastructure Pvt. Ltd.	State Plan	24.02.2020	Sept., 2020	
or a	mmis wer 'n struc insmi	, erection, testing and ssioning of 05 Nos. of 50 MVA  Fransformer with etion/modification of foundation in ission Circle Purnea & Bhagalpur NIT No. 128/PR/BSPTCL/2018	M/s KRRTPPL	State Plan	24.02.2020	Sept., 2020	

	Sl. Transmission Elements	Agency/Owner	Scheme(ERSS/TBCB /Standing Committee/State)	Schedule Completion	Projected Month for Completion	Issue being faced if any for delay in commissioning
1	Supply, erection, testing and commissioning of 05 Nos. of 50 MVA Power Transformer with construction/modification of foundation in Transmission Circle Patna & Dehri-onsone against NIT No. 129/PR/BSPTCL/2018	M/s KPM	State Plan	24.02.2020	Sept., 2020	
2	Construction of 132KV Laukahi-Supaul Transmission line against NIT No 15/PR/BSPTCL/2014, Pkg-D	M/s. Larsen & Toubro Limited	Special Plan of Phase- III BRGF	28.02.2019	31.01.2020	ROW issues
2	Construction of 132/33KV GSS Benipur	M/s KPM	State Plan	16.05.2018	Jan., 2020	ROW issues
2	Restoration of different Transmission Lines (Total – 06 nos.) of BSPTCL by constructing Pile Foundation (Total – 14 nos.) /Height Raising (Total – 01 No.) on turnkey basis.	M/S New Modern Technomech Pvt. Ltd.	O & M head	21.11.2018	31.01.2020	Delay in getting S/D and during rainy season site could not be approached
**	Construction of 220 KV D/C Raxaul(New)-Sitamarhi (New) Transmission Line with Twin Moose Conductor (Line Length - 120 RKM) on turnkey basis under state plan against NIT no. 60/PR/BSPTCL/2018	M/s KEC	State Plan	20.04.2020	FY 2020-21	
2	Construction of 220 KV D/C Raxaul(New)-Gopalganj Transmission Line with Twin Moose Conductor (Line Length - 80 RKM) on turnkey basis under state plan against NIT no. 62/PR/BSPTCL/2018	M/s KEC	State Plan	20.04.2020	FY 2020-21	
25	Construction of (i) 220 KV D/C Transmission Line from GSS Sitamarhi (New) to 220/132/33 KV GSS Motipur with Twin ACSR Moose Conductor (Approx Line Length -54 RKM) (ii) 132 KV D/C Transmission line from GSS Sitamarhi (New) to 132/33 KV GSS Runnisaidpur with Single ACSR Moose Conductor Transmission Line (17 RKM) a under State Plan 61/PR/BSPTCL/2018	M/s KEC	State Plan	20.04.2020	FY 2020-21	
26	220 KV Line Bays at 220 KV GSS Darbhanga (02 nos. )	M/s ABN	Special Plan of Phase- III BRGF	24.05.2016	Dec., 2020	Non availability of Land, Work for civil portion awarded separately on 30.05.2019 with copletion period up to 29/09/2019.
27	Construction of 132 KV Line bays at 132/33KV GSS Darbhanga	M/s ABN	Special Plan of Phase- III BRGF	21.12.2015	Jan., 2020	Addition in scope of work
	Construction of 2 Nos. 132 KV Line bays at 132/33KV GSS Supaul (Existing)	M/s GE	Special Plan of Phase- III BRGF	20.05.2016	Jan., 2020	Due to bad condition of approach road particularly in rainy season. Unavailability of sand. Addition in scope of work at 132/33 KV GSS Supaul

SI. No.	Transmission Elements	Agency/Owner	Scheme(ERSS/TBCB /Standing Committee/State)	Schedule Completion	Projected Month for Completion	Issue being faced if any for delay in commissioning
	construction of 1) 220 KV D/C Muzaffarpur(PG)-Garaul Transmission Line with ACSR Zebra Conductor (Line Length-20 RKM) 2) 132 KV D/C Garaul- MahnarTransmission Line with ACSR Panther Conductor (Line Length- 45 RKM) 3) LILO of both circuit of 132 KV D/C Muzaffarpur-vaishali Transmission Line at Garaul GSS with ACSR Panther Conductor (Line Length- 2x15 RKM) 4) 132 KV D/C Transmission line from GSS Chhapra(New)-Ekma with ACSR Panther Conductor (Line Length - 45 RKM) on turnkey basis against NIT NO:- 50/PR/BSPTCL/2018	M/s R S infra Projects Pvt. Ltd.	State Plan	20.04.2020	April, 2020	
30	Construction of Second circuit stringing of 220 KV DCSS Darbhanga (400/220 KV) – Samastipur (New) Transmission Line (Line Length- 47 KM) NIT No - 72/PR/BSPTCL/2018.	M/s New Modern Technomech Pvt. Ltd. JV With M/S MKB Power Construction Pvt. Ltd	State Plan	14.10.2019	Jan., 2020	



# Jharkhand Urja Sancharan Nigam Limited

### UNDER CONSTRUCTION SUBSTATIONS TO BE COMMISSIONED UPTO MARCH 2020

SI. No.	Transmission Elements	Agnecy/ Owner	Scheme (ERSS, TBCB/ Standing Committee/ State)	Schedule Completion	Expected Month for completion	Issue Being Faced
1	400/220/132 kV GSS, Latehar	JUSNL	JCP work	23.08.2013	23-Mar-20	Delay in land acquisition
2	400/220 kV GSS, Patratu	JUSNL	JCP work	23.08.2013	23-Mar-20	Delay in land acquisition
3	220/132 kV GSS, Lohardagga	JUSNL	JCP work	23.08.2013	23-Mar-20	Delay in land acquisition
4	220/132 kV GSS, Garhwa	JUSNL	State	02.09.2018	21-Feb-20	Delay in land acquisition
5	220/132/33 kV GSS, Godda	JUSNL	State	02.09.2018	16-Feb-20	Delay in land acquisition
6	220/132/33 kV GSS, Giridih	JUSNL	State	28.03.2018	14-Feb-20	Delay in land acquisition
7	220/132/33 kV GSS, Jasidih	JUSNL	State	13.12.2018	18-Feb-20	Delay in land acquisition
8	220/132/33 kV GSS, Chatra	JUSNL	State	07.12.2014	21-Feb-20	Delay in land acquisition
9	220/132/33 kV GSS, Ratu	JUSNL	State	29.03.2018	25-Mar-20	Delay in land acquisition
10	132/33 kV GSS, Bahragora	JUSNL	State	07.05.2018	26-Feb-20	Delay in land acquisition
11	132/33 kV GSS, Jamua	JUSNL	State	07.05.2018	22-Feb-20	Delay in land acquisition
12	132/33 kV GSS, Saria	JUSNL	State	29.03.2018	24-Feb-20	Delay in land acquisition
13	400 kV D/C Patratu - Latehar	JUSNL	JCP work	23.08.2013	15-Mar-20	Forest clearance & ROW issue
14	400 kV D/C Bero - Patratu	JUSNL	JCP work	23.08.2013	10-Mar-20	Forest clearance & ROW issue
15	220 kV D/C Chatra - Latehar	JUSNL	State	19.06.2014	16-Mar-20	Forest clearance & ROW issue
16	220 kV D/C Godda - Dumka	JUSNL	State	07.05.2018	21-Feb-20	Forest clearance & ROW issue
17	220 kV D/C Godda - Lalmatia	JUSNL	State	07.05.2018	19-Feb-20	Forest clearance & ROW issue
18	220 kV D/C Jasidih - Dumka	JUSNL	State	01.02.2018	26-Feb-20	Forest clearance & ROW issue
19	220 kV D/C Jasidih - Giridih	JUSNL	State	07.05.2018	21-Feb-20	Forest clearance & ROW issue
20	220 kV D/C Ratu - Patratu	JUSNL	State	08.05.2018	14-Mar-20	Forest clearance & ROW issue
21	220 kV D/C Garhwa - Daltonganj	JUSNL	State	14.08.2016	12-Feb-20	Forest clearance & ROW issue
22	132 kV D/C Giridih - Saria	JUSNL	State	07.05.2018	16-Feb-20	Forest clearance & ROW issue
23	132 kV D/C Giridih - Jamua	JUSNL	State	07.05.2018	19-Feb-20	Forest clearance & ROW issue
24	132 kV D/C Bahragora - Dalbhumgarh	JUSNL	State	07.05.2018	28-Feb-20	Forest clearance & ROW issue

General Manager, C&M (NWBP)

					List of	<mark>line Rea</mark>	actors						
									React	tor (MVAr)	1		
Sl No	Voltage	From Bus	To Bus	Line Owner	Ckt ID	Line Length	From End	Switchabl e(with additional CB): YES or NO?	Provision to use as Bus reactor	To End	Switchable(with additional CB) : YES or NO?	Provision to use as Bus reactor	Remarks
1	400	B'shariff	Sasaram	POWERGRID	1	195	1X50	YES	NO				
2	400	Farakka	Durgapur	POWERGRID	1	150	1X50	NO	NO	-			
3	400	Gorakhpur	Motihari	POWERGRID + DMTCL(LILO)	1	190	1X80			1X50	YES	NO	
4	400	Gorakhpur	Motihari	POWERGRID + DMTCL(LILO)	2	190	1X80			1X50	YES	NO	
5	400	K'gaon	Maithon	POWERGRID	1	172	-			1X50	NO	NO	
6	400	K'gaon	Maithon	POWERGRID	2	172	-			1X50	NO	NO	
7	400	Lakhisarai	B'shariff	POWERGRID	2	89	-			1X50	YES	NO	
8	400	Maithon	Gaya	POWERGRID	1	235	1X50	YES	NO	1X50	YES	YES	
9	400	Maithon	Gaya	POWERGRID	2	235	1X50	YES	NO	1X50	YES	YES	
10	400	Maithon	Mejia	POWERGRID	1	83	1X50	YES	NO	-			
11	400	Malda	New purnea	POWERGRID	1	167	1X63	NO	NO	-			
12	400	Malda	New purnea	POWERGRID	2	167	1X63	NO	NO	-			
13	400	Meramundali	Angul	POWERGRID	1	21	1X63	YES	NO	-			
14	400	Motihari	Barh	POWERGRID	1	237	1X80	YES	NO	1X63	YES	NO	
15	400	Motihari	Barh	POWERGRID	2	237	1X80	YES	NO	1X63	YES	NO	
16	400	Mpl	Ranchi	POWERGRID	1	188	1X50	YES	NO	1X50	YES	YES	
17	400	Mpl	Ranchi	POWERGRID	2	188	1X50	YES	NO	1X50	YES	YES	
18	400	Pandiabili	Mendasal	POWERGRID	1	273	1X63	NO	NO				LR at Medhasal end
19	400	Pandiabili	Mendasal	POWERGRID	2	273	1X63	NO	NO				shifted to Pandiabili
20	400	Rengali	Keonjhor	POWERGRID	1	100	1X63	NO	NO				
21	400	Rourkela	Talcher	POWERGRID	1	175	-			1X50	NO	NO	
22	400	Rourkela	Talcher	POWERGRID	2	175	-			1X50	NO	NO	
23	400	RTPS	Ranchi	POWERGRID	2	155.5	1X50	NO	NO	-			
24	400	RTPS	Ranchi	POWERGRID	3	155.5	1X50	NO	NO	-			
25	400	Sagardighi	Subashgram	POWERGRID	1	256.3				1X50	YES	NO	
26	400	Darbhanga	Kishanganj	ATL	1	209	1X80	YES	NO	1X80	YES	YES	
27	400	Darbhanga	Kishanganj	ATL	2	209	1X80	YES	NO	1X80	YES	YES	
28	400	Baripada	Keonjhar	POWERGRID	1	156.25	3X16.67	YES	NO	-			

## Anticipated Power Supply Position for the month of Feb-20

9	SL.NO	PARTICULARS	PEAK DEMAND MW	ENERGY MU
1		BIHAR		
	i)	NET MAX DEMAND	4650	2380
	ii)	NET POWER AVAILABILITY- Own Source (including bilateral) - Central Sector	427 4200	329 2136
	iii)	- Central Sector SURPLUS(+)/DEFICIT(-)	-23	2136 85
	111)		-23	03
2	:\	JHARKHAND NET MAY DEMAND	1370	770
	i) ii)	NET MAX DEMAND NET POWER AVAILABILITY- Own Source (including bilateral)	415	153
	11)	- Central Sector	938	445
	iii)	SURPLUS(+)/DEFICIT(-)	-17	-172
3		DVC		
3	i)	NET MAX DEMAND (OWN)	3045	1710
	ii)	NET POWER AVAILABILITY- Own Source	5165	2606
	,	- Central Sector	511	198
		Long term Bi-lateral (Export)	1825	1227
	iii)	SURPLUS(+)/DEFICIT(-)	806	-133
4		ODISHA		
~	i)	NET MAX DEMAND	4000	2500
.	ii)	NET POWER AVAILABILITY- Own Source	3690	1446
	,	- Central Sector	1665	776
	iii)	SURPLUS(+)/DEFICIT(-)	1354	-278
5		WEST BENGAL		
5.1		WBSEDCL		
	i)	NET MAX DEMAND (OWN)	5700	2963
	ii)	CESC's DRAWAL	0	57
	iii)	TOTAL WBSEDCL's DEMAND	5700	3020
	iv)	NET POWER AVAILABILITY- Own Source	4598	1732
	,	- Import from DPL	365	0
		- Central Sector	2416	1090
	v)	SURPLUS(+)/DEFICIT(-)	1679	-198
	vi)	EXPORT (TO B'DESH & SIKKIM)	742	-186
5.2		DPL		
3.2	i)	NET MAX DEMAND	0	190
	ii)	NET POWER AVAILABILITY	365	205
	iii)	SURPLUS(+)/DEFICIT(-)	365	15
5.3		CESC		
	i)	NET MAX DEMAND	1550	720
	ii)	NET POWER AVAILABILITY - OWN SOURCE	760	420
		FROM HEL	540	250
		Import Requirement	250	50
	iii)	TOTAL AVAILABILITY	1550	720
	iv)	SURPLUS(+)/DEFICIT(-)	0	0
6		WEST BENGAL (WBSEDCL+DPL+CESC) (excluding DVC's supply to WBSEDCL's command area)		
	i)	NET MAX DEMAND	7250	3873
	ii)	NET POWER AVAILABILITY- Own Source	5723	2357
	11)	- Central Sector+Others	3206	1340
	iii)	SURPLUS(+)/DEFICIT(-)	1679	-176
7		SIKKIM		
/	17		120	42
	i)	NET MAX DEMAND NET POWER AVAILABILITY- Own Source	120 2	63 1
	ii)	- Central Sector+Others	2 175	63
	iii)	SURPLUS(+)/DEFICIT(-)	58	1
8		EASTERN REGION		
٥		At 1.03 AS DIVERSITY FACTOR		
	i)	NET MAX DEMAND	19839	11296
	יי	Long term Bi-lateral by DVC	1825	1296
		EXPORT BY WBSEDCL	742	-186
	;:\	NET TOTAL DOWED AVAILABILITY OF FR	26117	11050
	ii)	NET TOTAL POWER AVAILABILITY OF ER (INCLUDING C/S ALLOCATION)	26117	11850
	iii)	PEAK SURPLUS(+)/DEFICIT(-) OF ER	3710	-487
		(ii)-(i)		I .

						ERLDC, KOLKAT	'A			
					E APPROVE	DED IN 165th OCC I	MEETING OF ERPC	1		
_		FROM	1	TO				Reason		
SI	NAME OF THE ELEMENTS	DATE	TIME	DATE	TIME	REMARKS	S.D availed BY	Reason	SUBJECT TO CONSENT FROM AGENCY	COMMENTS
1	132 kv Purnea(PG)-Kishanganj T/L	20/01/20	08:00	05/02/20	17:00	ОСВ	BSPTCL	For dismantling of existing conduora and towers , erection of new towers and restringing of conductor at loc. No. 80, 81& 83 across Parman river	GSS Kishanganj may avail power from GSS Kishanganj(new)/ Dalkola via GSS Baisi	
2	400KV Maithon-Right Bank #II	24/01/20	08:00	07/02/20	18:00	OCB	ER-II, POWERGRID	Re conductoring work		
3	A/R of 400KV Maithon-Right Bank #I	24/01/20	08:00	07/02/20	18:00	ODB	ER-II, POWERGRID	MTN RB Ckt-I will be kept in NON-Auto during Re conductoring in MTN RB Ckt-II for safety measure.		
4	400/220kv 315MVA ICT 2 at Biharsharif	24/01/20	10:00	29/02/20	18:00	OCB	POWERGRID ER-I	BUSHING Replacement and OLTC Overhauling	BSEB	
5	400/220 KV 315 MVA ICT-1 AT MUZAFFARPUR	25/01/20	9:30	28/01/20	17:30	ODB	POWERGRID ER-I	OLTC OVERHAULING & AMP work	BSEB	
6	Main bay of 400kv Maithon-MPL Ckt#2,( Bay no 406) at MPL	25/01/20	08:00	08/02/20	18:00	OCB	ER-II, POWERGRID	Upgradation of Bay equipmenets under ERSS-XVII Project work. Shut down of Bays proposed in respect of line shut down for reconductoring work.		
7	400kV Bus-2 at MPL	26/01/20	10:00	26/01/20	18:00	ODB	ER-II, POWERGRID	Dismantling of Bus isolator of 406 bay	MPL	During one unit outage of MPL tentative 3rd week of March 2020
8	400kV Bus-IV AT MAITHON	27/01/20	10:00	27/02/20	18:00	ODB	ER-II, POWERGRID	Dismantlinh work of Bus isolator of 400kV RB-1 under ERSS-XVII project work		
9	400KV Bus-Reactor-1 at Rangpo	01/02/20	09:00	01/02/20	18:00	ODB	ER-II, POWERGRID	AMP Works		
	400KV Rangpo-Teesta-v Ckt-2	01/02/20	08:00	29/02/20	18:00	ОСВ	ER-II, POWERGRID	For Reconductring work of 400 KV Rangpo-Binaguri-I in multi-circuit portion (M/C:- 8-14 to Gantry).	TEESTA-V	
11	400KV RANGPO-BINAGURI D/C I & II LINE	01/02/20	08:00	29/02/20	18:00	OCB	ER-II, POWERGRID	For Reconductring work		
12	400KV RBTPS-Ranchi I&II	01/02/20	08:00	02/02/20	18:00	ОСВ	ER-II, POWERGRID	PL Crossing during Re-conductoring work of Maithon - Right Bank # II Line	MPL	During one unit outage of MPL tentative 3rd week of March 2020
	A/R in non-auto mode in 400KV TeestallI-Kishanganj-I	01/02/20	07:00	28/02/20	18:00	ODB	ER-II, POWERGRID	For OPGW installation Work		
	A/R in non-auto mode in 400KV Malda-Farakka - II	01/02/20	07:00	28/02/20	18:00	ODB	ER-II, POWERGRID	For OPGW installation Work		
16	A/R in non-auto mode in 220KV Binaguri-Siliguri-I & II	01/02/20	07:00 10:00	28/02/20	18:00 15:00	ODB	ER-II, POWERGRID	For OPGW installation Work	NLDC	
	400KV BINAGURI-BONGAIGAON-1 400kV D/C Alipurduar-Bongaigaon Ckt- 1	01/02/20 01/02/20	07:00	02/02/20 01/02/20	17:00	ODB ODB	ER-II, POWERGRID ENICL	Bay upgradation work  AMP Work	NLDC	
18	400 KV Rourkela-SUNDARGARH#1 LINE	01/02/20	10:30	01/02/20	13:00	ODB	ER-II/ODISHA/ROURKELA	FOR TAKING THE LINE REACTOR OUT OF SERVICE FOR GASKET REPLACEMENT & OVERHAULING WORKS TO ARREST OIL LEACKAGES		
19	63 MVAr, 400 KV SUNDARGARH#1 LINE REACTOR	01/02/20	09:30	16/02/20	18:00	ОСВ	ER-II/ODISHA/ROURKELA	GASKET REPLACEMENT & OVERHAULING WORKS TO ARREST OIL LEACKAGES		
20	ICT-I (3x 105 MVA) at Jeypore	01/02/20	08:00:00	01/02/20	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	
21	315MVA, ICT-2	01/02/20	09:00	08/02/20	18:00	ОСВ	ER-II/Odisha/Balangir	Internal inspection and Bushings lead connection checking due to rise in fault gases.	GRIDCO	
22	400KV Main Bus-II	01/02/20	09:00	01/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	GIS Bus Duct and Bus isolator/earthswitch AMP works		
	400KV Baripada-Kharagpur line	01/02/20	09:00	15/02/20	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	WB	
24	A/R OF 400 KV Rengali - Talcher # 1 Line (Non-Auto)	01/02/20	08:00	10/02/20	17:00	ODB	ER-II/Odisha/Rengali	For PID Measurement		
25	220kV Budhipathar-Korba S/c Line	01/02/20	08:00	12/02/20	18:00	ОСВ	ER- II/ODISHA/SUNDERGARH	For Modification/diversion work associated with OPGC MGR Railway Diversion project.	NLDC	
26	A/R of 400 kV Baripada-Duburi Line	01/02/20	07:00	29/02/20	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	
27	A/R of 400 kV Dubur-Pandiabili Line	01/02/20	07:00	29/02/20	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	
28	A/R of 765 kV Angul-Srikakulam Ckt 1	01/02/20	07:00	29/02/20	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	
29	A/R of 400 kV Angul-GMR Ckt 1	01/02/20	07:00	29/02/20	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	

March   Marc											
10	30	A/R of 400 kV Angul-JITPL Ckt 1	01/02/20	07:00	29/02/20	18:00	ODB	ER-II/Odisha	For stringing of OPGW under "EASTERN REGION FIBRE		
Note   Control   Control	31	A/R of 400k kV Angul-GMR Ckt 2	01/02/20	07:00	29/02/20	18:00	ODB	ER-II/Odisha	For stringing of OPGW under "EASTERN REGION FIBRE	GRIDCO	
20	32	A/R of 400 kV Angul-JITPL Ckt 2	01/02/20	07:00	29/02/20	18:00	ODB	ER-II/Odisha	For stringing of OPGW under "EASTERN REGION FIBRE		
2	33	400 KV Maithon -Gaya Ckt I	01/02/20	09:00	01/02/20	18:00	ODB	ER1	by miscreants		
10   10   10   10   10   10   10   10	34	400kv Main of Varansi -l along with its reactor at Biharsharif	01/02/20	09:30	01/02/20	13:00	ODB	POWERGRID ER-I	NTAMC Signal testing	NLDC	
3	35	400KV 63MVAR L/R OF Muzaffarpur-2 AT New Purnea	01/02/20	9:00	01/02/20	12:00	ODB	POWERGRID ER-I	CT Oil Sampling		
20	36	400KV 63MVAR L/R OF Muzaffarpur-1 AT New Purnea	01/02/20	13:00	01/02/20	16:00	ODB	POWERGRID ER-I	CT Oil Sampling		
Second Content of the Content of t	37	A/R OF 765KV Pusauli-Fatehpur Line	01/02/20	9:00	29/02/20	18:00	ODB	POWERGRID ER-I	reclosure of Pusauli-Fathepur line will be in non-auto		
60   Min Pri 400 V BHASSHAMF-FOODERN-1   01/07/20   07/00   29/07/20   18:00   008   POWERGIND ER1   00FW WORK   1   1   1   1   1   1   1   1   1		·	01/02/20		04/02/20	18:00	OCB	POWERGRID ER-I	sasaram-sahupur-s/c should be restricted to 100MW.	BSEB	
14   Alp Pri 4 BOV MANCH-MATTONIRGH   01/02/20   0760   29/02/20   1800   0.08   POWERGID ER   OFOW WORK   1.00											
42   Alf. OF 400 NV BARH-MONTHARF-III										DVC	
43   ARC # 400 K MOTHARIL-CORKAHPUR-II   01/02/20   0700   29/02/20   18:00   OBB   POWER-RID R-II   OCCUPATION   N.D.C.											
Mary										N. D.C	
A   A   A   A   A   A   A   A   A   A										INLDC	
46 500M/A ICT-I AT PATNA									Main Jack Bus twin to Quad replacement.     O3 nos. ICT bay CT replacement		
A   13 KP   VIPICALE   VIPICAL   V	46	500MVA ICT-I AT PATNA	01/02/20	09:00	07/02/20	18:00	ОСВ	POWERGRID ER-I	2. 03 nos. ICT bay CT replacement	BSEB	
48   13 Main Bay of 4000V BUS Reactor-1	47	132 KV Purnea(PG)-Purnea ckt1	01/02/20	10:00	01/02/20	16:00	ODB	BSPTCL	For line & bay maintenance work	· '	
49   14 Tile Bay (400 kV Chandwa-Gayo Ckt-1) at Gaya   01/02/20   09:00   01/02/20   18:00   ODB   ER-I   For AMP work	48	413 Main bay of 400KV BUS Reactor-I	01/02/20	09:00	01/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	AMP	2 & 3	
Additive Day of Variansi - II along with its reactor at Biharsharif   02/02/20   09:00   02/02/20   17:00   ODB   POWERGRID ER-I   NTAMC Signal testing   Onload testing of CSD   ODG   ODB   ER-III, POWERGRID   ODB   ODB									For AMP work		
Solid Note   Description   Description	50	400KV MAIN DAY OF 400/220KV 215MVA ICT 2 at Bibarchariff	01/02/20	10:00	01/02/20	18:00	ODB	POWERGRID ER-I	ANAD MORK		
S2   SODMVA ICT-1 AT MAITHON   O2/02/20   O8:00   O3/02/20   17:00   ODB   ER-II, POWERGRID   Onload testing of CSD   DVC	51		01/02/20	14:00	01/02/20	18:00	ODB	POWERGRID ER-I			
S3   400 KV D/C FARAKKA-BERHAMPORE CKT 1   02/02/20   09:00   03/02/20   17:00   ODB   ER-II, POWERGRID   Rectification of shut down nature defects in various locations in Transmission line.   STPP										DVC	
Second Control of Co									Rectification of shut down nature defects in various		
Solution   Solution		·						•			
55   160 MVA ICT#1	54	400kV D/C Alipurduar-Bongaigaon Ckt- 2	02/02/20	07:00	02/02/20	17:00	ODB	ENICL			
Second   S	55	160 MVA ICT#1	02/02/20	09:00	02/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	ANVIY WOLKS	GRIDCO	
57 400 kV Kahalgaon-Lakhisarai-l 02/02/20 9:30 02/02/20 17:30 ODB POWERGRID ER-l Retrofitting of PLCC. A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  58 132 KV Kahalgaon(NTPC)-Kahalgaon(BSPTCL) S/C T/L 02/02/20 09:00 20/02/20 17:00 OCB BSPTCL Reconductoring with HTLS conductor  59 132 KV Kataiya-Kusaha S/C T/L 02/02/20 10:00 02/02/20 10:20 ODB BSPTCL Maintenance work of 132 KV main bus NLDC	56		02/02/20	09:30	02/02/20	13:00	ODB	POWERGRID ER-I	NTAMC Signal testing	NLDC	
58     132 KV Kahalgaon(NTPC)-Kahalgaon(BSPTCL) S/C T/L     02/02/20     09:00     20/02/20     17:00     OCB     BSPTCL     power from Goradih GIS.Consent from SLDC Ranchi will be required.       59     132 KV Katalya-Kusaha S/C T/L     02/02/20     10:00     02/02/20     10:20     ODB     BSPTCL     Maintenance work of 132 KV main bus     NLDC			02/02/20	9:30	02/02/20	17:30	ODB	POWERGRID ER-I	NON AUTO MODE		
									Reconductoring with HTLS conductor	power from Goradih GIS.Consent from SLDC Ranchi will be required.	
60   132 KV Kataiya-Kusaha S/C T/L   02/02/20   17:10   02/02/20   17:20   ODB   BSPTCL   Maintenance work of 132 KV main bus   NLDC											
	60	132 KV Kataiya-Kusaha S/C T/L	02/02/20	17:10	02/02/20	17:20	ODB	BSPTCL	Maintenance work of 132 KV main bus	NLDC	

			1 1				I	For line & bay maintenance work	Purnea will avail power from ckt	
61	132 KV Purnea(PG)-Purnea ckt2	02/02/20	10:00	02/02/20	16:00	ODB	BSPTCL	To fine & bay maintenance work	1 & 3	
62	432 Tie bay of Varansi -2 and Furure bay at Biharsharif	02-02-2020	14:00	02/02/20	18:00	ODB	POWERGRID ER-I	NTAMC Signal testing	143	
63	400KV D/C BINAGURI-NEW PURNEA TL-I	03/02/20	09:00	03/02/20	17:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings		
								1. PL Crossing during Re-conductoring work of Maithon -		
	400KV Adaith an Kahalanan I	02/02/20	00.00	04/02/20	1000	OCB	ED II DOWEDOND	Right Bank # II Line. 2. Bay upgradation work:		
64	400KV Maithon-Kahalgaon I	03/02/20	08:00	04/02/20	18::00	OCB	ER-II, POWERGRID	isolation and dismantling of Main Bay equipment		
								PL Crossing during Re-conductoring work of Maithon -		
65	400KV Maithon-Kahalgaon II	03/02/20	08:00	04/02/20	18::00	ОСВ	ER-II, POWERGRID	Right Bank # II Line		
		,,		-,,						
	400/220 KV 315 MVA ICT-3 at MALDA	02/02/20	08:00	15/02/20	17:00	ОСВ	ER-II, POWERGRID	ERSS-XVII-B Constructional work . Complete ICT along	WB	Deferred till completion of
	*	03/02/20		15/03/20			· · · · · · · · · · · · · · · · · · ·	-		Madhuamik Examination in Wort
	400KV Durgapur-Sagardighi Line-2	03/02/20	08:00	03/02/20	17:00	ODB	ER-II, POWERGRID	Main -1 Relay Retrofitting Works	WB	
68	400kV D/C Alipurduar-Bongaigaon Ckt- 1	03/02/20	07:00	03/02/20	17:00	ODB	ENICL	AMP Work  AMP Works & Isolator alignment of 220kV Bus-I Side of		
60	220kV BUS-I at Jeypore SS	03/02/20	08:00:00	03/02/20	18:00:00	ODB	ER-II/Odisha /Jeypore			
09	220kV BO3-1 at Jeypore 33	03/02/20	08.00.00	03/02/20	18.00.00	ODB	EK-II/Odisila/Jeypore	ICT-I, Bus-Coupler,TBC Bay, Jayanagar-I & II Line		
								For PID Testing of Porcelain Insulator. Only Auto reclose		
70	A/R OF 400KV Sundergarh-Raigarh Ckt #1&3	03/02/20	8:00	14/02/20	18:00	ODB	ER- II/ODISHA/SUNDERGARH	To Fib resulting of Forcelain insulator. Only Auto reclose	NLDC	
								Replacement of Disc insulators which has been damaged		
1.			l					by miscreants		
71	400 KV Chandwa-Gaya Ckt II	03/02/20	09:00	03/02/20	18:00	ODB	ER1	A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE		
								TYTES STILL CKI TO BET OF INTO HON AUTO HODE		
72	400kV Bus 1 at Biharsharif	03/02/20	09:30	07/02/20	18:00	ODB	POWERGRID ER-I	Upgradation of Busbar Scheme under project head	BSEB	
	400KV 80MVAR L/R of Farakka at New Purnea	03/02/20	10:00	03/02/20	18:00	ODB	POWERGRID ER-I	CB AMP Works		
	765KV BUS-I AT 765/400 KV NEW RANCHI	03/02/20	9:00	04/02/20	17:00	ODB	POWERGRID ER-I	MDINIPUR BAY EXTENSION WORK	NLDC	
75	400 KV Muzaffarnur Carakhnur lina 1	02/02/20	0.20	02/02/20	17.20	ODB	DOWED CRID ED I	LINE BAY AMP WORK	After restoration of 400kV Barh-	
/5	400 KV Muzaffarpur- Gorakhpur line-1	03/02/20	9:30	03/02/20	17:30	ODB	POWERGRID ER-I		Gorkhapur-dc	
76	400kv Arambag- NewPPSP #1	03/02/20	06:00	03/02/20	16:00	ODB	WB	Winter Maintenance		
77	At Kharagpur : 400/220 KV 315MVA-TRANSFORMER-II	03/02/20	07:00	04/02/20	16:00	ODB	WB	Winter Maintenance		
70	400KV SgTPP-farakka#1 ckt. & 400 kV SgTPP-subhasgram ckt	03/02/20	06:00	03/02/20	16:00	ODB	WB	Winter Maintenance		
			00.00				WB			
79	NewChanditala: 400kv MB#1 & 315MVA ICT#3	03/02/20	06:00	03/02/20	16:00	ODB	WB	Winter Maintenance		
80	400kV MTPS- Maithon	03/02/20	09:00	05/02/20	17:00	ODB	400kV MTPS S/Y, DVC	Tan delta test of CT & tit-bit		
	Line#1	05,02,20		05,02,20			10000 11111 3 37 17 2 10	maintenance work		
								1.O/H activities including testing on CTs,CVTs,CBs		
81	400kV DSTPS-Jamshedpur Ckt#1	03/02/20	08:30	08/02/20	17:00	ОСВ	400kV DSTPS S/Y, DVC	2. Line ABT Meter calibration		
	·	,-,					, ,	3.Replacement of damaged/defective gland plates in CT		
-								JBs	Bullion III and a surface	
82	220 KV Gaya(PG)-Dehri ckt1	03/02/20	09:00	03/02/20	17:00	ODB	BSPTCL	220 KV Main Bus maintenance work	Dehri will avail power from	
_								For line & bay maintenance work	Pushauli(PG) BSF will avail power from	
83	220 KV BSF(PG)-BSF ICT1	03/02/20	11:00	03/02/20	15:00	ODB	BSPTCL	For time & day maintenance work	alternate sources	
_								For line & bay maintenance work	Purnea will avail power from ckt	
84	132 KV Purnea(PG)-Purnea ckt3	03/02/20	10:00	03/02/20	16:00	ODB	BSPTCL	To time & bay maintenance work	1 & 2.	
85	400KV JAMSHEDPUR-TISCO	03/02/20	09:00	03/02/20	17:30	ODB	DVC	Amp	1 & 2.	
86	400KV TALCHER MAIN BAY 409	03/02/20	09:00	03/02/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP Work		
		,,		,-,,-3						
87		03/02/20	09:00	03/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S			
<u> </u>	400 KV 403 main bay of 315MVA ICT#1							AMP works	-	
88	400 kv Mendhasal -Pandiabili-1 main bay at Mendhasal sub-	03/02/20	09:00	03/02/20	18:00	ODB	ER-II/Odisha/ Pandiabili GIS	DCDM of main have		
	station. 418 Main Bay (400 kV Chandwa-Gaya Ckt -II ) at Gaya	03/02/20	09:00	03/02/20	18:00	ODB	ER-I	DCRM of main bay. For AMP work	+	
03	TEO INIGITE Day (400 KV Citatiuwa-Odyd CKL-II ) dL Odyd	03/02/20	05:00	03/02/20	10:00	000	L/L-1	TOLANI WUIN	<del> </del>	
90	_	03/02/20	09:00	03/02/20	17:00	ODB	POWERGRID ER-1			
<u> </u>	220KV SIDE MAIN BAY OF 220/132kv 160MVA ICT -1 PURNEA.							CB AMP WORK		
91	400KV MAIN BAY OF 80MVAR Bus Reactor 2 at Biharshariff	03/02/20	10:00	03/02/20	18:00	ODB	POWERGRID ER-I	AMP WORK		
	400kv main bay of 125MVAR Bus reactor -3 at Biharsharif	03/02/20	14:00	03/02/20	18:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
93	400KV Allahabad Line Reactor Bay (CWL29Q50)	03/02/20	09:00	06/02/20	18:00	OCB	POWERGRID ER-I	Overhauling of CWL29Q50-Y phase Pole		
94	400KV RANCHI-MAITHAN-I MAIN BAY (401) AT RANCHI	03/02/20	09:30	03/02/20	17:00	ODB	POWERGRID ER-I	AMP. LINE WILL REMAIN CHARGED THROUGH MAIN BAY	-	
1				/		95-				
95	MAIN BAY (103) OF 132KV BANKA -BANKA-1 (BSPTCL) AT BANKA	03/02/20	09:00	03/02/20	13:00	ODB	POWERGRID ER-I			
<u> </u>	SS							AMP WORK. LINE WILL BE CHARGED THROUGH TRANSFER BUS	-	
								Oil leakage (from PRD & Main tank joint ) and Air Cell		
96	125MVAR BR- I at Alipurduar	04/02/20	08:00	07/02/20	17:00	OCB	ER-II, POWERGRID	rectification		
<u> </u>									+	
	400KV D/C BINAGURI-NEW PURNEA TL-II	04/02/20	09:00	04/02/20	17:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings	-	
98	400kV Bus Reactor-2 (125 Mvar) at BAHARAMPORE	04/02/20	09:00	04/02/20	17:00	ODB	ER-II, POWERGRID	Bus Reactor Maintenace.	+	
99	400 KV D/C FARAKKA-BERHAMPORE CKT 2	04/02/20	09:00	05/02/20	17:00	ODB	ER-II, POWERGRID	Rectification of shut down nature defects in various		
Ь							l .	locations in Transmission line.	L	

100	132 KV Siliguri Kursong	04/02/20	08:00	05/02/20	17:00	ODB	ER-II, POWERGRID	Identified defect liquidation and jumper tightening	WB	
	400kV D/C Alipurduar-Bongaigaon Ckt- 2	04/02/20	07:00	04/02/20	17:00	ODB	ENICL	AMP Work	112	
102	400 KV Rourkela-SUNDARGARH#1 LINE	04/02/20	09:00	04/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	FOR DISMANTALING OF REACTOR BUSHINGS (SHUTDOWN BEING AVAILED AS CLEARANCE IS LESS)		
103	400kV Angul-Bolangir Line	04/02/20	09:00	04/02/20	18:00	ODB	ER-II/Odisha/Angul SS	Commissioning of LILO Isolator	NLDC	
104	400kV Angul-Meramunduli-1 Line	04/02/20	09:00	04/02/20	18:00	ODB	ER-II/Odisha/Angul SS	Commissioning of LILO Isolator	GRIDCO	
105	220kV BUS-II at Jeypore SS	04/02/20	08:00:00	04/02/20	18:00:00	ODB	ER-II/Odisha /Jeypore	AMP Works & Isolator alignment of 220kV Bus-II Side of ICT-I, Bus-Coupler,TBC Bay, Jayanagar-I & II Line	GRIDCO	
106	400 KVRengali- Keonjhar Line	04/02/20	08:00	04/02/20	20:00	ODB	ER-II/Odisha/Rengali	Relay Retrofitting		
107	765 KV DC Sundargarh - Angul Ckt #3	04/02/20	8:00	07/02/20	18:00	ОСВ	ER- II/ODISHA/SUNDERGARH	Rectification of clerance issues at TP tower	NLDC	
	400 kV Pandiabili-Duburi line	04/02/20	10:00	05/02/20	16:00	ODB	ER-II/Odisha	To open the dislocated Aviation baloons in the spans between Tower No711 to 731 for carrying out OPGW installation work	GRIDCO	
109	765KV GAYA-VARANASI-II	04/02/20	09:00	09/02/20	18:00	ODB	ER1	FOR STRENGTHENING OF 765 KV LINE TOWER	NLDC	
110	220 kV Ara -Khagaul Ckt 1	04/02/20	09:00	04/02/20	17:30	ODB	POWERGRID ER-1	Main 1 Distance Relay replacement depending upon GE	BSEB	
111	400 KV Patna-Ballia-3	04/02/20	08:00	05/02/20	18:00	ODB	POWERGRID ER-1	Engineer Visit and AMP Work at Ara Ss replacement of pilot porcelain string by polymer in tension tower loc no : 307,306,316,338,357,373,385,409	NLDC	
112	220 KV PURNEA-DALKHOLA-II	04/02/20	10:00	04/02/20	13:00	ODB	POWERGRID ER-1	BAY CT OIL SAMPLING		
113	400 kV NEW RANCHI-CHANDWA-I & II	04/02/20	09:00	05/02/20	17:00	ODB	POWERGRID ER-I	Overhead powerline crossing of 400 KV ESSAR-Latehar T/L and 400 KV Patratu-Latehar T/L	NLDC	
114	400KV 50MVAR L/R OF Lakhisarai 2 at BiharSharif( SWITCHABLE)	04/02/20	10:00	05/02/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment and AMP		
115	400KV BIHARSHARIF- LAKHISARAI CKT-I	04/02/20	08:00	04/02/20	18:00	ODB	POWERGRID ER-I	Replacement of flashed insulator at Loc. No. LILO 5 (DB+0) A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE		
116	400KV Bus sectionalizer of Bus-1 & 3 at Biharsharif	04/02/20	14:00	04/02/20	18:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
117	400KV KAHALGAON -MAITHON CKT 1	04/02/20	08:00	04/02/20	18:00	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)		
118	400KV 80MVAR L/R of Gokarna at New Purnea	04/02/20	10:00	04/02/20	18:00	ODB	POWERGRID ER-I	CB AMP Works		
	400 KV Muzaffarpur- Gorakhpur line-2	04/02/20	9:30	04/02/20	17:30	ODB	POWERGRID ER-I	LINE BAY AMP WORK	After restoration of 400kV Barh- Gorkhapur-dc	
120	NewChanditala: 400kv MB#2 & 315MVA ICT#3	04/02/20	06:00	04/02/20	15:00	ODB	WB	Winter Maintenance		
121	400KV Arambag- NewPPSP#2	04/02/20	06:00	04/02/20	15:00	ODB	WB	Winter Maintenance		
122	400KV SgTPP-Jeerat ckt.	04/02/20	06:00	04/02/20	16:00	ODB	WB	Winter Maintenance		
123	220 KV Gaya(PG)-Dehri ckt2	04/02/20	09:00	04/02/20	17:00	ODB	BSPTCL	220 KV Main Bus maintenance work	Dehri will avail power from Pushauli(PG)	
124	220 KV BSF(PG)-BSF ICT2	04/02/20	11:00	04/02/20	15:00	ODB	BSPTCL	For line & bay maintenance work	BSF will avail power from alternate sources	
125	132 KV Kataiya-Duhabi S/C T/L	04/02/20	09:00	05/02/20	16:00	ODB	BSPTCL	For erection & commissioning of LA & CVT	Consent from Nepal will be required.	
126	40552- Tie Bay of Kharagpur line & 315MVA ICT II	04-02-2020	09:00	04-02-2020	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
127	400 kv Mendhasal -Pandiabili-2 main bay at Mendhasal sub- station.	04-02-2020	09:00	04-02-2020	18:00	ODB	ER-II/Odisha/ Pandiabili GIS	DCDM of main hou		
	711 Main Bay of 765KV Raipur ckt-1 & Angul ckt-3	04-02-2020	08:00	04-02-2020	18:00	ODB	ER-II/Odisha/Sundergarh	DCRM of main bay.  AMP	NLDC	
	400KV 408 BAY AMP	04-02-2020	09:00	04-02-2020	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS.	MEDC	
130	400KV RANCHI-MAITHAN-I & 315 MVA ICT-I TIE BAY (402) AT RANCHI	04-02-2020	09:30	04-02-2020	17:00	ODB	POWERGRID ER-I	AMP. LINE & ICT-I WILL REMAIN CHARGED THROUGH MAIN BAY		
131	MAIN BAY (105) OF 132KV BANKA-BANKA-2 (BSPTCL) AT BANKA SS	04-02-2020	09:00	04-02-2020	13:00	ODB	POWERGRID ER-I	AMP WORK. LINE WILL BE CHARGED THROUGH TRANSFER BUS		
	ICT-3 main bay 403 AT PATNA	04-02-2020	10:00	04-02-2020	18:00	ODB	POWERGRID ER-I	AMP		
	400KV D/C BINAGURI-NEW PURNEA TL-I	05/02/20	09:00	05/02/20	17:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings		
134	220KV Bus Coupler at Birpara	05/02/20	08:00	05/02/20	17:30	ODB	ER-II, POWERGRID	AMP work	1	
135	400KV Maithon-Durgapur I&II	05/02/20	08:00	06/02/20	18:00	ОСВ	ER-II, POWERGRID	PL Crossing during Re-conductoring work of Maithon - Right Bank # II Line		
136	220 kV Bus-I at MALDA	05/02/20	08:00	05/02/20	17:00	ODB	ER-II, POWERGRID	ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3.	WB	Deferred till completion of Madhyamik Examination in West Benagl. It will be reviewed in Feb OCC meeting.
	220KV WBSETCL-Subhasgram Line-1	05/02/20	09:00	05/02/20	17:00	ODB	ER-II, POWERGRID	For Rectification of abnormal sound Coming from Line Isolator	WB	
	Shutdown in 400KV Malda-Farakka - II	05/02/20	10:00	05/02/20	17:00	ODB	ER-II, POWERGRID	For OPGW installation Work in longer spans	-	
139	400KV Durgapur-Farakka line-2	05/02/20	08:00	05/02/20	17:00	ODB	ER-II, POWERGRID	Main-2 Relay Retrofitting Works		

			П		т т			Stationary & ( AD 38 /0 to 30 /0 of 400 (8/ Longet/No)		
140	132 KV D/C Jeerat - Bonga TL	05/02/20	08:00	06/02/20	17:00	ODB	ER-II, POWERGRID	Stringing b/w AP 38/0 to 39/0 of 400 KV Jeerat(New)- Jeerat TL over existing 132 KV D/C Jeerat - Bonga TL	WB	
140	152 KV B/C Jectur Bollgu 12	03/02/20	00.00	00/02/20	27.00	000	ER II, I OWERGRID	Jeerat 12 over existing 132 kV D/C Jeerat - Bonga 12	***	
141	400kV Maithon - Mejia # 3 line	05/02/20	09:00	06/02/20	17:00	ODB	ER-II, POWERGRID	Replacement of insulators at Major crossings.	DVC	
	400KV BINAGURI-Kishanganj-1	05/02/20	10:00	05/02/20	15:00	ODB	ER-II, POWERGRID	Replacement and retrofitting distance relay		
143	220 Bus 1	05/02/20	09:00	05/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS	GRIDCO	
144	400kV Angul-Talcher Line	05/02/20	09:00	05/02/20	18:00	ODB	ER-II/Odisha/Angul SS	Commissioning of LILO Isolator		
145	400kV Angul-Meramunduli-2 Line	05/02/20	09:00	05/02/20	18:00	ODB	ER-II/Odisha/Angul SS	Commissioning of LILO Isolator	GRIDCO	
146	315MVA ICT # II at Jeypore	05/02/20	08:00:00	05/02/20	18:00:00	ODB	ER-II/Odisha /Jeypore	AMP of ICT # II and Retrofitting works of Overcurrent,	GRIDCO	
								REF, Earth Fault Relay	Chibeo	
	400KV Sundargarh-Rourkela ckt-4	05/02/20	09:00	05/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	Wave Trap connector modification work		
148	315MVA ICT-I	05/02/20	09:00	05/02/20	18:00	ODB	ER-II/Odisha/Keonjhar	WTI & OTI Calibration to be check	GRIDCO	
149	220 kV Ara -Khagaul Ckt 2	05/02/20	09:00	05/02/20	17:30	ODB	POWERGRID ER-1	Main 1 Distance Relay replacement depending upon GE	BSEB	
150	400KV 80MVAR/LR OF Purnia 2 at BiharSharif	05/02/20	10:00	05/02/20	18:00	ODB	POWERGRID ER-I	Engineer Visit and AMP Work at Ara Ss  AMP Work		
130	400KV 80WVAKYEK OF FUTTIA 2 At BITIAI SHATT	03/02/20	10.00	03/02/20	18.00	ОВВ	FOWERGRID ER-I	Replacement of flashed Insulator at Loc. No. 358 (TP		
151	400KV BIHARSHARIF- LAKHISARAI CKT-II	05/02/20	08:00	05/02/20	18:00	ODB	POWERGRID ER-I	TOWER)  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE		
152	400KV Bus sectionalizer of Bus-2 & 4 at Biharsharif	05/02/20	09:30	05/02/20	13:00	ODB	POWERGRID ER-I	NTAMC Signal testing		
153	400KV KAHALGAON -MAITHON CKT 2	05/02/20	08:00	05/02/20	18:00	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)		
							<u> </u>	Retrofitting work of CSD Relay , During the S/D ,power		
154	765/400 KV 3*500 MVA ICT AT PUSAULI	05/02/20	9:00	05/02/20	18:00	ODB	POWERGRID ER-I	flow in 765kv Sasaram -Fatehpur-s/c will be zero.	NLDC	
155	HVDC SASARAM	05/02/20	9:00	05/02/20	15:00	ODB	POWERGRID ER-I	For the movement of 315MVA Spare ICT under East Side		
								filter Bank (CWC 53, CWC54, CWC55, CWC56)	DCCD.	
156	400/220 KV 500 MVA ICT-3 AT MUZAFFARPUR	05/02/20	9:30	06/02/20	17:30	ODB	POWERGRID ER-I	RETROFITTING OF BACKUP IMPEDANCE RELAY.	BSEB	
157	220KV MUZ-DHALKEBAR (Nepal) -1 & 2 Line	05/02/20	9:30	08/02/20	17:30	OCB	POWERGRID ER-I	DE-STRINGING & RE-STRINING OF ONE SPAN OF 400KV LINE IN NEAR BY MUZAFFARPUR SUBSTATION. PLCC &	NLDC	
450	125MVAR Bus Reactor-I AT PATNA	05 (02 (20	10:00	05/02/20	10.00	ODD	DOW/FDCDID FD I			
158	400KV Arambag-BKTPP ckt	05/02/20 05/02/20	06:00	05/02/20 05/02/20	18:00 15:00	ODB ODB	POWERGRID ER-I WB	AMP Winter Maintenance		
	At Kharagpur : 400/220 KV 315MVA-TRANSFORMER-I	05/02/20	07:00	06/02/20	16:00	ODB	WB	Winter Maintenance Winter Maintenance		
	400 kV SgTPP-Parulia#1 ckt. and 400 kV SgTPP-Gokarna#2							Winter Maintenance		
161	ckt.	05/02/20	06:00	05/02/20	16:00	ODB	WB	Winter Wainterlance		
162	NewChanditala: 400kv MB#2 & 315MVA ICT#2	05/02/20	06:00	05/02/20	16:00	ODB	WB	Winter Maintenance		
								for stringing work in 132KV Sabour sultangnaj LILO to	1.Sabour will avail power from	
163	132 KV Banka(PG)-Sabour D/C T/L line	05/02/20	09:00	05/02/20	14:00	ODB	BSPTCL	jagdishpur line between (Ap 23/0- Ap24/0).	Goradih(GIS)	
									2.No load restriction	
164	132 KV Rajgir-Barhi S/C T/L	05/02/20	08:00	05/02/20	16:00	ODB	BSPTCL	For tower top patrolling and maintenance work	Consent from SLDC DVC will be	
104	132 KV Rujgii Burii 3/C 1/E	03/02/20	00.00	03/02/20	10.00		BSI TCE		required.	
165	132 KV Nalanda-Barhi S/C T/L	05/02/20	08:00	05/02/20	16:00	ODB	BSPTCL	For tower top patrolling and maintenance work	Consent from SLDC DVC will be	
		,-,-						22010/144: 2	required.	
166	220 KV Dehri-Pushauli(PG) S/C T/L	05/02/20	09:00	05/02/20	17:00	ODB	BSPTCL	220 KV Main Bus maintenance work	Dehri will avail power from	
167	400KV Baripada-Kharagpur Line	05/02/20	09:00	05/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Replacement of faulty insulator	Gaya(PG) WB	
	400KV GMR-1 MAIN BAY 427	05/02/20	09:00	05/02/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP Work	WB	
200	20352- 220KV Bus Coupler Bay	03,02,20	55.00	03,02,20			,, ,ga. 55	AMP works		
169		05/02/20	09:00	05/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S			
109		03/02/20	05.00	33/02/20	17.50	000	2.1. I./ Odišila/ DAMI ADA 3/3			
$\vdash$	400 KV tie bay of Mendhasal-Pandiabili -1 & Mendhasal		<del>                                     </del>		<del>                                     </del>					
170	Pandiabili -2 at Mendhasal sub-station.	05/02/20	09:00	05/02/20	18:00	ODB	ER-II/Odisha/ Pandiabili GIS	DCRM of tie bay.		
,-:		05/05/55		05/05/55	47.00	052	DOMEDOS: 5 5 4			
171	220KV SIDE MAIN BAY OF 220/132kv 160MVA ICT -2 PURNEA.	05/02/20	09:00	05/02/20	17:00	ODB	POWERGRID ER-1	CB AMP WORK		
172	220kV Bus Coupler Bay (204-52) at New Purnea	05/02/20	10:00	05/02/20	18:00	ODB	POWERGRID ER-I	CB AMP Works		
173	400KV RANCHI-80 MVAR B/R MAIN BAY (418) AT RANCHI	05/02/20	09:30	05/02/20	17:00	ODB	POWERGRID ER-I	AMP. REACTOR WILL REMAIN CHARGED THROUGH TIE BAY		7
_	MAIN BAY (106) OF 132KV BANKA-SABOUR-1 (BSPTCL) AT BANKA		<del>                                     </del>		<del>                                     </del>					
174	SS COOK OF 132KV BANKA-3ABOOK-1 (B3FTCE) AT BANKA	05/02/20	09:00	05/02/20	13:00	ODB	POWERGRID ER-I	AMP WORK. LINE WILL BE CHARGED THROUGH TRANSFER BUS		
	400KV D/C BINAGURI-NEW PURNEA TL-II	06/02/20	09:00	06/02/20	17:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings		
176	400 kV Farakka-Sagardighi-II T/L	06/02/20	09:00	06/02/20	16:00	ODB	ER-II, POWERGRID	Rectification of Shutdown nature defect in line.	WB	
								Fixing of pilot string and rectification of missing member		
177	400 KV Maithon-Durgapur Ckt-I	06/02/20	10:00	06/02/20	18:00	ODB	ER-II, POWERGRID	in top section and liquidation of shutdown nature		
		,,		,,		-55	, **Ending	defects. Ckt wise shut-down shall be taken on alternate		
170	220W//122W/ ICT IV/ 2+ MAI DA	06/02/20	00:00	06/02/20	12:00	ODD	ED II DOWEDOND	day basis.	WB	
1/8	220KV/132KV ICT-IV at MALDA	06/02/20	08:00	06/02/20	12:00	ODB	ER-II, POWERGRID	Implementation of NIFS system	WB	
179	400KV BUS-II at MALDA	06/02/20	08:00	06/02/20	17:00	ODB	ER-II, POWERGRID	ERSS-XVII-B Constructional work. For removal of existing pantograph Isolator of ICT-3.	WB	
180	315 MVA ICT#1 at Subhasgram	06/02/20	09:00	06/02/20	17:00	ODB	ER-II, POWERGRID	REF Relay retroffiting work	WB	
	400KV BINAGURI-Kishanganj-1	06/02/20	10:00	06/02/20	15:00	ODB	ER-II, POWERGRID	Replacement and retrofitting of auto-reclose relay		
101		30/02/20	10.00	30,02,20	1 25.00	000	EN II, I OWENONID	proprocesses and retroiting of duto recrose relay		

183 220	32 KV Siliguri Melli	06/02/20	08:00	07/02/20	17:00	ODB	ER-II, POWERGRID	Identified defect liquidation and jumper tightening	SIKKIM	
104 40		06/02/20	09:00	06/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS	GRIDCO	
184 40	00 KV BUS # 1	06/02/20	09:00	06/02/20	17:00	ODB	ER-II/Odisha/Rengali	AMP Work		
185 80	) MVAR bus reactor at Pandiabili	06/02/20	09:30	06/02/20	10:00	ODB	ER-II/Odisha/ Pandiabili GIS	NTAMC command Signal validation( 401-52,401-89A,401-89B,401-89R,402-52,402-89A,402-89B)		
186 40	00 kv Pandiabili-Baripada line with line reactor.	06/02/20	10:00	06/02/20	10:30	ODB	ER-II/Odisha/ Pandiabili GIS	NTAMC command Signal validation(403-52,403-89A,403-89B,403-89L,403-52R,403-89AR)		
187 40	00 kv Pandiabili-Duburi line with line reactor.	06/02/20	10:30	06/02/20	11:00	ODB	ER-II/Odisha/ Pandiabili GIS	NTAMC command Signal validation(404-52,404-89A,404-89B,404-89L, 404-52R,404-89AR)		
188 50	00 MVA ICT-1 at Pandiabili	06/02/20	11:00	06/02/20	11:30	ODB	ER-II/Odisha/ Pandiabili GIS	NTAMC command Signal validation(406-52,406-89A,406-89B,406-89T, 207-52,207-89A,207-89B,207-89C)	GRIDCO	
189 50	00 MVA ICT-2 at Pandiabili	06/02/20	11:30	06/02/20	12:00	ODB	ER-II/Odisha/ Pandiabili GIS	NTAMC command Signal validation(407-52,407-89A,407-89B,407-89T, 202-52,202-89A,202-89B,202-89C)	GRIDCO	
190 40	00 kv Pandiabili-Mendhasal ckt-2	06/02/20	14:30	06/02/20	15:00	ODB	ER-II/Odisha/ Pandiabili GIS	NTAMC command Signal validation(407-52,407-89A,407- 89B,407-89T)	GRIDCO	
191 40	00 kv Pandiabili-Mendhasal ckt-1	06/02/20	15:00	06/02/20	15:30	ODB	ER-II/Odisha/ Pandiabili GIS	NTAMC command Signal validation(409-52,409-89A,409-89B,409-89L)	GRIDCO	
	00 kv Pandiabili- Mendhasal ckt-2	06/02/20	15:30	06/02/20	16:00	ODB	ER-II/Odisha/ Pandiabili GIS	NTAMC command Signal validation(411-52,411-89A,411- 89B,412-52,412-89A,412-89B,412-89L)	GRIDCO	
193 40	00 KV GIS BUS-II	06/02/20	09:00	06/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	AMP of BUS Sectionalizer(425)		
	OOKV Sundergarh-Rourkela Ckt #2	06/02/20	8:00	06/02/20	18:00	ODB	ER- II/ODISHA/SUNDERGARH	TL Maintenance works		
	L5MVA ICT-II	06/02/20	09:00	06/02/20	18:00	ODB	ER-II/Odisha/Keonjhar	WTI & OTI Calibration to be check	GRIDCO	
196 13	32 kV Ara -Ara (BSPTCL)-s/c	06/02/20	10:00	06/02/20	17:00	ODB	POWERGRID ER-1	AMP Work At Ara Ss	BSEB	
197 400	00 KV Patna-Ballia-4	06/02/20	08:00	07/02/20	18:00	ODB	POWERGRID ER-1	replacement of pilotporcelain string by polymer in tension tower loc No: 306,317,342,371,372,378,432,433,434	NLDC	
	OOKV 63MVAR L/R OF SASARAM-I at BiharSharif( NITCHABLE)	06/02/20	10:00	07/02/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment and AMP WORK		
199 40	00KV KAHALGAON-FARAKKA CKT 1	06/02/20	08:00	06/02/20	18:00	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)		
200 40	OOKV Main Bus- I at Chandwa	06/02/20	10:00	06/02/20	13:00	ODB	POWERGRID ER-I	Physical remote operation check of New Ranchi-I bay elements from RTAMC/NTAMC.		
201 40	OOKV Main Bus- II at Chandwa	06/02/20	14:00	06/02/20	17:00	ODB	POWERGRID ER-I	Physical remote operation check of New Ranchi-II bay elements from RTAMC/NTAMC.		
202 40	00 KV Pusauli Allahabd Line	06/02/20	9:00	11/02/20	18:00	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	NLDC	NRPC NEEDS INFORMATION ON LOCATION WISE WORK DONE
203 13	32 kV DALTONGANJ Daltonganj Line-1	06/02/20	9:30	06/02/20	17:30	ODB	POWERGRID ER-I	Line AMP	JSEB	
204 76	55KV BUS-II AT 765/400 KV NEW RANCHI	06/02/20	9:00	07/02/20	17:00	ODB	POWERGRID ER-I	MDINIPUR BAY EXTENSION WORK	NLDC	
205 40	00 KV Muzaffarpur- Darbhanga line-2	06/02/20	9:30	07/02/20	17:30	ODB	POWERGRID ER-I	STRINING OF ONE SPAN OF 400 KV MUZAFFARPUR-		
206 40	00 kV Patna-Barh CKT 1	06/02/20	09:00	06/02/20	17:30	ODB	POWERGRID ER-I	DHALKEBAR LINE. Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE		
207 No	ewChanditala: 400kv MB#1 & 315MVA ICT#2	06/02/20	06:00	06/02/20	15:00	ODB	WB	Winter Maintenance	+	
	00KV Arambag-New Chanditala ckt	06/02/20	06:00	06/02/20	15:00	ODB	WB	Winter Maintenance		
	00 kV SgTPP-Parulia#1 ckt. and 400 kV SgTPP-Parulia#2 ckt.	06/02/20	06:00	06/02/20	15:00	ODB	WB	Winter Maintenance		
1 210 1	00kV MTPS-Maithon ne#2	06/02/20	09:00	08/02/20	17:00	ODB	400kV MTPS S/Y, DVC	Tan delta test of CT & tit-bit maintenance work		
	20 KV DMTCL(Darbhanga)-Samastipur(New) S/C T/L	06/02/20	09:00	07/02/20	17:00	ODB	BSPTCL	For line maintenance work	Samastipur (New) will avail power from alternate sources.	
212 22	20 KV Patna(PG)-Khagaul ckt 1	06/02/20	09:00	06/02/20	16:00	ODB	BSPTCL	For line & bay maintenance work	Khagaul will avail power alternate sources	
	20 KV BSF(PG)-BSF ICT3	06/02/20	11:00	06/02/20	15:00	ODB	BSPTCL	For line & bay maintenance work	BSF will avail power from alternate sources	
	00KV Baripada-Kharagpur Line	06/02/20	09:00	06/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Replacement of faulty insulator	WB	
216	1652-Future Line Bay GIS	06-02-2020 06-02-2020	09:00 16:00	06-02-2020 06-02-2020	17:30 16:30	ODB ODB	ER-II/Odisha/BARIPADA S/S ER-II/Odisha/ Pandiabili GIS	AMP works  NTAMC command Signal validation(410, 52,410,904,410,909.)		
1 140	10 kv Future ICT bay-410 bay. 20 kv bus coupler 206 bay	06-02-2020	16:30	06-02-2020	15:00	ODB	ER-II/Odisha/ Pandiabili GIS	NTAMC command Signal validation(410-52,410-89A,410-89B) NTAMC command Signal validation(206-52,206-89A,206-89B)		
400										
217 220	· · ·	06-02-2020	08:00	06-02-2020	18:00	ODR	ER-II/Odisha/Sundergarh	AMP	NI DC	
217 220 218 708	18 Main Bay of 765KV Raipur ckt-2 & Angul ckt-4 13 Main Bay ( 765 kV Gaya-Varanasi ckt-II ) at Gaya	06-02-2020 06-02-2020	08:00 09:00	06-02-2020 06-02-2020	18:00 18:00	ODB ODB	ER-II/Odisha/Sundergarh ER1	AMP For AMP work	NLDC NLDC	

224 132KV RANGPO-GANGTOK -1 225 400KV D/C MALDA-NEW PURNE. 226 400 KV Binaguri Bongaigaon Ckt 227 132KV Bus Coupler at Birpara  228 220kV S/C Birpara-Malbase TL  229 400 KV Maithon-Durgapur Ckt-II  230 220KV Maithon-Durgapur Ckt-II  231 400KV Maithon-Jamshedpur 232 400kV Bus-II at MAITHON 233 400KV Bus-II at MAITHON 234 315 MVA ICT#2 at Subhasgram 235 400KV BiNAGURI-Kishanganj-2 237 220KV Transfer Bus 238 400KV BiNAGURI-Kishanganj-2 237 220KV Transfer Bus 238 400KV Baithon - Mejia #1 Line 239 765 KV DC Sundargarh - Angul Cl 240 400 KV GIS BUS-I 241 220 kV Bus Main Bus-1 at Ara 242 400KV KAHALGAON -FARAKKA C 243 315MVA ICT-III AT BANKA SS 244 132 kV DALTONGANJ Daltonganj 245 400/220 KV 315 MVA ICT-2 AT M 246 400 kV Patna-Barh CKT 2  247 132 KV Bus 1 AT MOTIHARI 248 At Kharagpur : 80MVAR 400KV B 249 400KV Arambag-KTPP ckt 250 NewChanditala: 400kv MB#2 & 3 251 220kV DTPS-Bidhannagar Tie-II 252 132 KV Sultanganj-Deoghar S/C T 253 220 KV Sonenagar(New)-Gaya(Pc) 254 220 KV Patna(PG)-Gaurichak ck1	oghar S/C T/L w)-Gaya(PG) ckt1	07/02/20 07/02/20 07/02/20	11:00 11:00 11:00	07/02/20 08/02/20 07/02/20	14:00 16:00 17:00	ODB ODB	BSPTCL BSPTCL BSPTCL	Maintenance work of 132 KV main bus  For line maintenance work  For line & bay maintenance work	Consent from SLDC Ranchi will be required. Sonenagar(New) will avail power alternate sources Gaurichak will avail power from	
225         400KV D/C MALDA-NEW PURNE.           226         400 KV Binaguri Bongaigaon Ckt           227         132KV Bus Coupler at Birpara           228         220kV S/C Birpara-Malbase TL           229         400 KV Maithon-Durgapur Ckt-II           230         220kV Maithon-Dumka I&II           231         400kV Maithon - Jamshedpur           232         400kV Bus-II AT MAITHON           233         400kV Bus-II AT MAITHON           234         400kV BIS-I at MALDA           234         315 MVA ICT#2 at Subhasgram           235         400kV BINAGURI-Kishanganj-2           237         220kV Transfer Bus           238         400kV BINAGURI-Kishanganj-2           239         765 KV DC Sundargarh - Angul Cl           240         400 KV GIS BUS-1           241         220 kV Bus Main Bus- 1 at Ara           242         400 KV GIS BUS-1           241         220 kV Bus Main Bus- 1 at Ara           242         400 KV KAHALGAON -FARAKKA C           243         315MVA ICT-III AT BANKA SS           244         132 kV DALTONGANJ Daltonganj           245         400/220 KV 315 MVA ICT-2 AT M           246         400 kV Patna-Barh CKT 2           247 <td< td=""><td>oghar S/C T/L</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>be required.</td><td></td></td<>	oghar S/C T/L								be required.	
225	agar He-H									
225		07/02/20	09:00	07/02/20	14:00	ODB	ASP Sub-Station, GOMD-VI, DVC, Durgapur	Replacement of the damaged bottom conductor near the D/E cone of the dead end tower of WBSETCL end	WB	
225   400KV D/C MALDA-NEW PURNE.	v MB#2 & 315MVA ICT#1	07/02/20	06:00	07/02/20	15:00	ODB	WB	Winter Maintenance		
225   400KV D/C MALDA-NEW PURNE.   226   400 KV Binaguri Bongaigaon Ckt   227   132KV Bus Coupler at Birpara   228   220kV S/C Birpara-Malbase TL   229   400 KV Maithon-Durgapur Ckt-II   230   220KV Maithon-Durgapur Ckt-II   231   400KV Maithon-Durgapur Ckt-II   232   400KV Maithon-Jamshedpur   232   400KV Bus-II AT MAITHON   233   400KV BUS-I AT MALDA   234   315 MVA ICT#2 at Subhasgram   235   400KV BiNAGURI-Kishanganj-2   220KV Transfer Bus   238   400KV Baripada-Duburi Line   239   765 KV DC Sundargarh - Angul Cl   240   400 KV GIS BUS-I   241   220 KV Bus Main Bus-1 at Ara   242   400KV KAHALGAON -FARAKKA C   243   315MVA ICT-III AT BANKA SS   244   132 KV DALTONGANJ Daltonganj   245   400/C20 KV 315 MVA ICT-2 AT M   246   400 KV Patna-Barh CKT 2   247   132 KV Bus 1 AT MOTIHARI   248   At Kharagpur: 80MVAR 400KV B 400K		07/02/20	06:00	07/02/20	15:00	ODB	WB	Winter Maintenance		
225   400KV D/C MALDA-NEW PURNE.		07/02/20	07:00	09/02/20	16:00	ODB	WB	Winter Maintenance		
225   400KV D/C MALDA-NEW PURNE.	IHARI	07/02/20	08:00	08/02/19	18:00	ОСВ	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to existing Bus (DMTCL)	BSEB	
225   400KV D/C MALDA-NEW PURNE.	т 2	07/02/20	09:00	07/02/20	17:30	ODB	POWERGRID ER-I	Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE		
225   400KV D/C MALDA-NEW PURNE.		07/02/20	9:30	08/02/20	17:30	ODB	POWERGRID ER-I	RETROFITTING OF BACKUP IMPEDANCE & REF RELAY ETC	BSEB	
225   400KV D/C MALDA-NEW PURNE.		07/02/20	9:30	07/02/20	17:30	ODB	POWERGRID ER-I	Line AMP	JSEB	
225   400KV D/C MALDA-NEW PURNE.		07/02/20	9:00	07/02/20	17:00	ODB	POWERGRID ER-I	CSD Commissioning work (FINAL TUNNING)	BSEB	
225   400KV D/C MALDA-NEW PURNE.		07/02/20	10:00	07/02/20 07/02/20	17:00 18:00	ODB ODB	POWERGRID ER-1	AMP Work At Ara Ss Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)	BSEB	
225   400KV D/C MALDA-NEW PURNE.	4.14	07/02/20	09:00	07/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	AMP of BUS Sectionalizer(426)	laces.	
225   400KV D/C MALDA-NEW PURNE.	h - Angul Ckt #4	07/02/20	8:00	10/02/20	18:00	ОСВ	ER- II/ODISHA/SUNDERGARH		NLDC	
225   400KV D/C MALDA-NEW PURNE.		07/02/20	09:00	08/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Replacement of porcelain insulator into polymer insulator in Tr. line for NH crossing.  Rectification of clerance issues at TP tower	GRIDCO	
225   400KV D/C MALDA-NEW PURNE.		07/02/20	09:00	07/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS  Replacement of percelain insulator into polymer insulator.		
225 400KV D/C MALDA-NEW PURNE. 226 400 KV Binaguri Bongaigaon Ckt 227 132KV Bus Coupler at Birpara  228 220kV S/C Birpara-Malbase TL  229 400 KV Maithon-Durgapur Ckt-II  230 220KV Maithon-Dumka I&II 231 400KV Maithon-Jamshedpur 232 400kV Bus-II AT MAITHON 233 400KV BUS-I at MALDA 234 315 MVA ICT#2 at Subhasgram	nanganj-2	07/02/20	10:00	07/02/20	15:00	ODB	ER-II, POWERGRID	Replacement and retrofitting distance relay		
225         400KV D/C MALDA-NEW PURNE.           226         400 KV Binaguri Bongaigaon Ckt           227         132KV Bus Coupler at Birpara           228         220kV S/C Birpara-Malbase TL           229         400 KV Maithon-Durgapur Ckt-II           230         220KV Maithon-Dumka I&II           231         400KV Maithon - Jamshedpur           232         400KV Bus-II AT MAITHON           233         400KV BUS-I at MALDA	a # 1 line	07/02/20	09:00	07/02/20	17:00	ODB	ER-II, POWERGRID	Replacement of insulators at Major crossings.	DVC	
225 400KV D/C MALDA-NEW PURNE. 226 400 KV Binaguri Bongaigaon Ckt 227 132KV Bus Coupler at Birpara  228 220kV S/C Birpara-Malbase TL  229 400 KV Maithon-Durgapur Ckt-II  230 220KV Maithon-Dumka I&II 231 400KV Maithon - Jamshedpur 232 400kV Bus-II AT MAITHON		07/02/20	09:00	07/02/20	17:00	ODB	ER-II, POWERGRID	pantograph Isolator of ICT-3.  REF Relay retroffiting work	WB	
225 400KV D/C MALDA-NEW PURNE. 226 400 KV Binaguri Bongaigaon Ckt 227 132KV Bus Coupler at Birpara  228 220kV S/C Birpara-Malbase TL  229 400 KV Maithon-Durgapur Ckt-II  230 220KV Maithon-Dumka I&II 231 400KV Maithon - Jamshedpur	Α	07/02/20	08:00	07/02/20	17:00	ODB	ER-II, POWERGRID	ERSS-XVII-B Constructional work. For removal of existing		
225 400KV D/C MALDA-NEW PURNE. 226 400 KV Binaguri Bongaigaon Ckt 227 132KV Bus Coupler at Birpara  228 220kV S/C Birpara-Malbase TL  229 400 KV Maithon-Durgapur Ckt-II  230 220KV Maithon-Dumka I&II 231 400KV Maithon - Jamshedpur	HON	07/02/20	10:00	08/02/20	17:00	ODB	ER-II, POWERGRID	Commissioning work like stability checking of ICT-3		
225 400KV D/C MALDA-NEW PURNE. 226 400 KV Binaguri Bongaigaon Ckt 227 132KV Bus Coupler at Birpara  228 220kV S/C Birpara-Malbase TL  229 400 KV Maithon-Durgapur Ckt-II		07/02/20	08:00	12/02/20	18:00	ODB	ER-II, POWERGRID	Insulator Replacement work		
225 400KV D/C MALDA-NEW PURNE. 226 400 KV Binaguri Bongaigaon Ckt 227 132KV Bus Coupler at Birpara  228 220kV S/C Birpara-Malbase TL	ka I&II	07/02/20	08:00	08/02/20	18::00	ОСВ	ER-II, POWERGRID	PL Crossing during Re-conductoring work of Maithon - Right Bank # II Line	JSEB	
225 400KV D/C MALDA-NEW PURNE. 226 400 KV Binaguri Bongaigaon Ckt 227 132KV Bus Coupler at Birpara	apur Ckt-II	07/02/20	10:00	07/02/20	18:00	ODB	ER-II, POWERGRID	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.Internal inspection/Overhauling of interrupter of 400kV CB of Main Bay at Maithan		
225 400KV D/C MALDA-NEW PURNE 226 400 KV Binaguri Bongaigaon Ckt	albase TL	07/02/20	08:00	25/02/20	17:00	ОСВ	ER-II, POWERGRID	Re-routing of Loc No57 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	Aafter consent of Bhutan
225 400KV D/C MALDA-NEW PURNE 226 400 KV Binaguri Bongaigaon Ckt	Birpara	07/02/20	08:00	07/02/20	17:30	ODB	ER-II, POWERGRID	AMP work	WB	
225 400KV D/C MALDA-NEW PURNE		07/02/20	00:00	08/02/20	00:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings	NLDC	
224 132KV RANGPO-GANGTOK -1		07/02/20	09:00	07/02/20	17:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings		
	GTOK -1	07/02/20	09:00	08/02/20	18:00	ОСВ	ER-II, POWERGRID	For Balance insulater changing works at Loc 105,106, 116 and AMP works	SIKKIM	
223 Barh-2 main bay 415 AT PATNA	PATNA	06-02-2020	10:00	06-02-2020	18:00	ODB	POWERGRID ER-I	AMP		
222 MAIN BAY (107) OF 132KV BANKA-S	KV BANKA-SABOUR-2 (BSPTCL) AT BANKA	06-02-2020	09:00	06-02-2020	13:00	ODB	POWERGRID ER-I	AMP WORK. LINE WILL BE CHARGED THROUGH TRANSFER BUS		
221 TIE BAY (414) OF 400KV RANCHI-RO	RANCHI-ROURKELA-I & RGP-2 AT RANCHI	06-02-2020	09:30	06-02-2020	17:00	ODB	POWERGRID ER-I	AMP WORK		

255	132 kv Bettiah-Narkatiyaganj-Ramnagar T/L	07/02/20	11:00	12/02/20	15:00	ODB	BSPTCL	(1) tree cutting and prunning of tree branches. (2)jumper tightenig of all tension tower in lilo portion of 132 kv transmissio line for gss narkatiyaganj. (3) 132kv ramnagar bay maintenance at gss bettiah end. (4) 132kv bettiah:-01 & 02 bay maintenance at gss narkatiyaganj. (5) 132kv main bus and high level isolator maintenance at gss narkatiyaganj. (6) 33kv main bus isolator and high level isolator maintenance at gss narkatiyaganj. (7) 20 mva tr no:-01 & 02 bay maintenance along with 20 mva tr no:-01 & 02 maintenance.	GSS Ramnagar may avail power from nepal end.     (2) GSS Narkatiyaganj will remain power less.     (3).consent from Nepal will be required.
256	Banka(PG)-Sultanganj D/C T/L	07/02/20	11:00	07/02/20	14:00	ODB	BSPTCL	Maintenance work of 132 KV main bus	Consent from SLDC Ranchi will be required.
257	400 kV Meramundali - New Duburi Ckt-I	07/02/20	08:00	07/02/20	17:00	ODB	GRIDCO	For line & bay maintenance work	
	400KV GMR-2 MAIN BAY 430	07-02-2020	09:00	07-02-2020	18:00	ODB	ER-II/Odisha/Angul SS	AMP Work	
259	425 Main Bay (400 kV ICT-II ) at Gaya	07-02-2020	09:00:00	07-02-2020	18:00:00	ODB	ER-I	For AMP work	
260	220KV SIDE MAIN BAY OF 220/132kv 160MVA ICT -3 PURNEA.	07-02-2020	09:00	07-02-2020	17:00	ODB	POWERGRID ER-1	CB AMP WORK	
261	400kV Bus coupler bay at Chandwa	07-02-2020	10:00	07-02-2020	13:00	ODB	POWERGRID ER-I	Physical remote operation check of Bus coupler bay (407) elements from RTAMC/NTAMC.	
262	TIE BAY (420) OF 400KV RANCHI-SIPAT-I & FUTURE BAY AT RANCHI	07-02-2020	09:30	07-02-2020	17:00	ODB	POWERGRID ER-I	AMP WORK	
263	409 Main bay ICT 2 AT PATNA	07-02-2020	09:00	08-02-2020	18:00	ОСВ	POWERGRID ER-I	BCU updration works under SS03 package	
264	400KV D/C MALDA-NEW PURNEA TL-II	08/02/20	09:00	08/02/20	17:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings	
	400 kV S/C Sagardighi- Subhasgram T/L	08/02/20	09:00	08/02/20	17:00	ODB	ER-II, POWERGRID	Rectification of Shutdown nature defect in line.	WB
266	400KV Maithon-Right Bank #I	08/02/20	08:00	22/02/20	18:00	OCB	ER-II, POWERGRID	Re conductoring work	MPL
267	A/R of 400KV Maithon-Right Bank #II 400KV BINAGURI-Kishanganj-2	08/02/20	08:00 10:00	22/02/20 08/02/20	18:00 15:00	ODB	ER-II, POWERGRID	MTN RB Ckt-II will be kept in NON-Auto during Re conductoring in MTN RB Ckt-I for safety measure.	
	400 KV BUS # 2	08/02/20	09:00	08/02/20	17:00	ODB ODB	ER-II, POWERGRID ER-II/Odisha/Rengali	Replacement and retrofitting of auto-reclose relay  AMP Work	
209	400 KV BUS # 2	08/02/20	09:00	08/02/20	17:00	ODB	ER-II/Odisha/Rengali	TL Maintenance works (Due to Multi circuit in LILO	
270	400KV Sundergarh-Rourkela Ckt # 3 & 4	08/02/20	8:00	07/02/20	18:00	ODB	ER- II/ODISHA/SUNDERGARH	portion, Shut down of both Ckts require together)	
271	400KV Sundargarh-Raigarh ckt-4	08/02/20	09:00	08/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	AMP OF GIS BAY	NLDC
272	220 kV Bus Main Bus -2 at Ara	08/02/20	10:00	08/02/20	17:00	ODB	POWERGRID ER-1	AMP Work At Ara Ss	BSEB
273	400KV Bus Reactor 1 at BiharSharif	08/02/20	10:00	09/02/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment and AMP WORK	
274	NewChanditala: 400kv MB#1 & 315MVA ICT#1	08/02/20	06:00	08/02/20	15:00	ODB	WB	Winter Maintenance	
275	132 KV Lakhisari(PG)-Jamui D/C T/L	08/02/20	11:00	08/02/20	15:00	ODB	BSPTCL	For line & bay maintenance work	Jamui will avail power from alternate sources
276	220 KV Biharsharif-TTPS S/C T/L	08/02/20	09:00	08/02/20	17:00	ODB	BSPTCL	For line & bay maintenance work	Consent from TTPS & SLDC Ranchi will be required.
277	220 KV Patna(PG)-Gaurichak ck2	08/02/20	11:00	08/02/20	17:00	ODB	BSPTCL	For line & bay maintenance work	Gaurichak will avail power from alternate sources
278	220KV Budhipadar - Raigarh line(Circuit - I)	08/02/20	08:00	07/02/20	17:00	ОСВ	GRIDCO	Diversion work due to construction of OPGC MGR line (railway line for transportation of coal to OPGC)	NLDC
	220KV Budhipadar - Korba Circuit - II	08/02/20	08:00	07/02/20	17:00	ОСВ	GRIDCO	Diversion work due to construction of OPGC MGR line (railway line for transportation of coal to OPGC)	NLDC
280	220 KV TARKERA#2 MAIN BAY (209) 765KV SNG CKT-2 & ICT-1 TIE BAY 705	08/02/20 08/02/20	09:00 09:00	08/02/20 08/02/20	18:00 18:00	ODB ODB	ER-II/ODISHA/ROURKELA ER-II/Odisha/Angul SS	AMP WORKS  AMP work	NLDC
281	765KV SNG CK1-2 & IC1-1 HE BAY 705	08/02/20	09:00	08/02/20	18:00	ODB	ER-II/Odisna/Angui SS	AMP WORK	NLDC
282	400KV Main Bay of 400/220kv 315MVA ICT -3 at Biharsharif	08/02/20	11:00	08/02/20	13:00	ODB	POWERGRID ER-I	Conpressor Overhauling of CB	
283	400kv Tie bay of Lakhisarai 1 and 315MVA ICT- 1 at Biharsharif TIE BAY (423) OF 400KV RANCHI-SIPAT-II & FUTURE BAY AT	08/02/20	10:00	08/02/20	18:00	ODB	POWERGRID ER-I	AMP Work	
284	RANCHI	08/02/20	09:30	08/02/20	17:00	ODB	POWERGRID ER-I	AMP WORK	
285	400KV D/C MALDA-NEW PURNEA TL-I	09/02/20	09:00	09/02/20	17:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings	
	220kV BUS-1 AT MAITHON	09/02/20	10:00	09/02/20	18:00	ODB	ER-II, POWERGRID	dismantling of bus jumper of 220kV Dumka-1&2 line	DVC
287	400kV Bus-2 at MPL	09/02/20	11:00	09/02/20	19:00	ODB	ER-II, POWERGRID	connection of jumper of Bus isolator of 406 bay	MPL
288	400kV Bus 2 at Biharsharif	09/02/20	09:30	14/02/20	18:00	ODB	POWERGRID ER-I	Upgradation of Busbar Scheme under project head	
289	132 KV Bus 2 AT MOTIHARI	09/02/20	08:00	10/02/20		ОСВ	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to	BSEB
289	132 NV DUS Z AT IVIUTIMAKI	09/02/20	08:00	10/02/20	18:00	OCR	POWERGKID EK-I	existing Bus (DMTCL)	BOER

Subject to avialbility of line#2

WRPC CONSENT REQUIRED
WRPC CONSENT REQUIRED

During one unit outage of MPL tentative 3rd week of March 2020

290	220 KV Sonenagar(New)-Gaya(PG) ckt2	09/02/20	11:00	10/02/20	16:00	ODB	BSPTCL	For line maintenance work	Sonenagar(New) will avail power
291	220 KV Patna(PG)-Gaurichak ck3	09/02/20	11:00	09/02/20	17:00	ODB	BSPTCL	For line & bay maintenance work	alternate sources Gaurichak will avail power from
	Tie bay of 400kv Maithon-MPL Ckt#2/ST-1,( Bay no 405) at MPL	09/02/20	09:00	28/02/20	19:00	OCB	ER-II, POWERGRID	Upgradation of Bay equipmenets under ERSS-XVII Project work. Shut down of Bays proposed in respect of line shut down for reconductoring work.	alternate sources
293	408 Bay (Tie Bay of 315 MVA ICT#3 and future Bay) at Subhasgram	09/02/20	09:00	14/02/20	17:00	ОСВ	ER-II, POWERGRID	For isolator and CT retrofitting work under ERSS-XVIII Project	
294	400 kV 407 main Bay of Baripada-Duburi line	09/02/20	09:00:00	10/02/20	17:30:00	OCB	ER-II/Odisha/BARIPADA S/S	AMP works & Gasket replacement	
295	400kv Main Bay of Tenughat 1 at Biharsharif	09/02/20	10:00	09/02/20	18:00	ODB	POWERGRID ER-I	AMP Work	
296	400kv Tie bay of 315MVA ICT 3 and 80MVAR B/R-2 at Bihar sharif	09/02/20	11:00	09/02/20	13:00	ODB	POWERGRID ER-I	Conpressor Overhauling of CB	
297	416 bay Balia Line-2 bay AT PATNA	09/02/20	09:00	10-02-2020	18:00	OCB	POWERGRID ER-I	BCU updration works under SS03 package	
	400KV D/C MALDA-NEW PURNEA TL-II	10/02/20	09:00	10/02/20	17:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings	
299	400 KV Binaguri Bongaigaon Ckt II	10/02/20	00:00	11/02/20	00:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings	NLDC
300	400 KV Tala-Binaguri Ckt-I	10/02/20	08:00	12/02/20	17:30	ODB	ER-II, POWERGRID	Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing,	NLDC
301	400 kV D/C Sagardighi-Berhampore T/L CKT-I	10/02/20	09:00	10/02/20	17:00	ODB	ER-II, POWERGRID	Required for Indo-Bangladesh line contruction work Baharampore-Bheramara Project-II	WB
302	400KV RBTPS-Ranchi I&II	10/02/20	08:00	11/02/20	18:00	ОСВ	ER-II, POWERGRID	PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line	MPL
303	220kV BUS-2 AT MAITHON	10/02/20	10:00	12/02/20	18:00	ODB	ER-II, POWERGRID	Stringing of 220kV JACK BUS	DVC
304	220kV Maithon-DUMKA Line1&2	10/02/20	10:00	12/02/20	18:00	ODB	ER-II, POWERGRID	Stringing of 220kV JACK BUS. Bus jumper connection and	JSEB
							•	stability checking for ICT-3	132.0
	400 kV Malda-Farakka-I	10/02/20	08:00	11/02/20	17:00	ODB	ER-II, POWERGRID	TL Work	
306	400kV Maithon - Mejia #2 line	10/02/20	09:00	11/02/20	17:00	ODB	ER-II, POWERGRID	Replacement of insulators at Major crossings.	DVC
	400KV Bus#1 at Binaguri	10/02/20	09:00	12/02/20	17:00	ODB	ER-II, POWERGRID	Busbar stability and GIS connection, Rangpo Bay upgradation work (Bus isolator dismantling / erection)- 3 occasions	ERSS XVII
	400KV BINAGURI-PURNEA-1	10/02/20	10:00	10/02/20	15:00	ODB	ER-II, POWERGRID	Replacement and retrofitting of auto-reclose relay	
309	400kV Bus -I at Jeypore S/S	10/02/20	09:00:00	10/02/20	18:00:00	ODB	ER-II/Odisha /Jeypore	AMP Works of 400kV BUS-I	
	765/400KV 1500MVA ICT-I 765kV Sundergarh-Dharmajayagahr-III line	10/02/20	09:00 09:00	10/02/20	18:00 18:00	ODB ODB	ER-II/Odisha/Sundergarh ER-II/Odisha/Sundergarh	AMP Line Jumper Modification work from Quad to twin work	NLDC NLDC
									NEDC
	125MVAR Bus Reactor	10/02/20	09:00	15/02/20	18:00	ODB	ER-II/Odisha/Keonjhar	Checking/Repairing of conservator Aircel	
	400/220 kV ICT-I at Gaya	10/02/20	09:00	10/02/20	18:00	ODB	ER-I	For AMP work	BSEB
	400kv125MVAR Bus Reactor -3 at Biharshariff	10/02/20	10:00	11/02/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment and AMP WORK For Insulator cleaning.	
315	400KV Maithon - Gaya-I	10/02/20	08:00	11/02/20	18:00	ODB	POWERGRID, ER-1	A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	
316	400kV New Purnea -Siliguri-1 Line	10/02/20	10:00	10/02/20	18:00	ODB	POWERGRID ER-I	Relay retrofitting works IN 63MVAR Siliguri-1 L/R A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	
317	400KV RANCHI-NEW RANCH-1	10/02/20	9:30	10/02/20	17:00	ODB	POWERGRID ER-I	To facilitate the s/d of its main bay due to unability of tie bay at Ranchi.  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	
318	200MVA ICT-I AT BANKA SS	10/02/20	9:00	10/02/20	18:00	ODB	POWERGRID ER-I	AMP WORK	BSEB
319	400 kV Kahalgaon-Lakhisarai-II	10/02/20	9:30	10/02/20	17:30	ODB	POWERGRID ER-I	Retrofitting of PLCC A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	
	+-800 KV HVDC BNC AGRA	10/02/20	09:00	25/02/20	18:00	ОСВ	POWERGRID ER-I	15 DAY SD REQUIRED SHIFTING OF LINE TO ERS TO RECTIFY VULNERABLE LOCATION 1619, 1618 WHOSE LEGS /MAIN BRACING HAVE BEEN CUT BY MISCREANTS. DATES TENTATIVE AND SHALL BE CONFIRMED BASED ON SITE CONDITION	
321	At Arambag : 315 MVA ICT-1	10/02/20	06:00	10/02/20	15:00	ODB	WB	Winter Maintenance	
322	NewChanditala: 400kv MB#1 and 400kv NewChanditala- Kharagpur#1	10/02/20	07:00	10/02/20	15:00	ODB	WB	Winter Maintenance	
323	400kV MTPS-Maithon Line#3	10/02/20	09:00	12/02/20	17:00	ODB	400kV MTPS S/Y, DVC	Tan delta test of CT & tit-bit maintenance work	
324	400kV DSTPS-Jamshedpur Ckt#2	10/02/20	08:30	15/02/20	17:00	ОСВ	400kV DSTPS S/Y, DVC	1.O/H activities including testing on CTs,CVTs,CBs     2. Line ABT Meter calibration     3.Replacement of damaged/defective gland plates in CT JBs	
325	220kV Khizersarai-Gaya PG ckt # 1	10/02/20	08:00	11/02/20	16:00	ODB	BGCL	For tower top patrolling and maintenance work	No Load Restriction
	Main bay of 400kv Maithon-MPL Ckt#1,( Bay no 403) at MPL	10/02/20	09:00	25/02/20	18:00	OCB	ER-II, POWERGRID	Upgradation of Bay equipmenets under ERSS-XVII Project work. Shut down of Bays proposed in respect of line shut down for reconductoring work.	
								por reconductoring work.	

During one unit outage of MPL tentative 3rd week of March 2020

NERPC CONSENT NEEDED

327	220 KV TARKERA#1 MAIN BAY (210)	10/02/20	09:00	10/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS	
328	Rengali Main Bay (403)	10/02/20	09:00	10/02/20	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.	
329	703 Main bay of 765kV/400kV,1500MVA ICT-I	10/02/20	09:00	13/02/20	18:00	OCB	ER-II/Odisha/Sundergarh	SIEMENS Centre guide valve modification work in Mechanism drive and AMP	NLDC
330	220 KV TBC BAY(BAY NO-204) AT PURNEA	10/02/20	09:00	10/02/20	17:00	ODB	POWERGRID ER-1	CB AMP WORK	
331	400kv Tie bay of Lakhisarai 1 and 315MVA ICT- 1 at Biharsharif	10/02/20	11:00	10/02/20	13:00	ODB	POWERGRID ER-I	Compressor Overhauling of CB	
332	MAIN BAY (427) OF 400KV RANCHI-NEW RANCH-1 AT RANCHI	10/02/20	09:30	10/02/20	17:00	ODB	POWERGRID ER-I	AMP WORK. AS THERE IS NO TIE BAY, SO LINE WILL BE UNDER S/D	
333	MAIN BAY OF 765 KV NRNC-DMG-CKT-I (BAY NO -704) AT 765/400 KV NEW RANCHI	10/02/20	09:00	10/02/20	17:00	ODB	POWERGRID ER-I	AMP	NLDC
334	At Kharagpur : 400KV Bus Coupler Bay	10/02/20	07:00	10/02/20	15:00	ODB	WB	Winter Maintenance	
335	220 KV DALKHOLA-PURNEA -II	11/02/20	09:00	11/02/20	17:00	ODB	ER-II, POWERGRID	AMP	
336	220KV Birpara-Chukha Ckt-I	11/02/20	08:00	11/02/20	17:30	ODB	ER-II, POWERGRID	Retrofitting of Numerical Distance Relay	NLDC
337	400 kV D/C Sagardighi-Berhampore T/L CKT-II	11/02/20	09:00	11/02/20	17:00	ODB	ER-II, POWERGRID	Required for Indo-Bangladesh line contruction work under	WB
							·	Baharampore-Bheramara Project-II Rectification of shut down nature defects in various	WB
	400 KV S/C FARAKKA-DURGAPUR-II	11/02/20	09:00	11/02/20	17:00	ODB	ER-II, POWERGRID	locations in Transmission line.	
339	400KV BINAGURI-PURNEA-2	11/02/20	10:00	11/02/20	15:00	ODB	ER-II, POWERGRID	Replacement and retrofitting of auto-reclose relay	
340	400/220 kV, 315 MVA ICT I	11/02/20	09:30	25/02/20	10:30	ОСВ	ER-II/ODISHA/ROURKELA	FOR DISMANTLING AND ERECTION OF GANTRY TOWERS AND STRINGING FOR PARALLELING OF ICT BY SPML	GRIDCO
341	400kV Angul-Meramundali S/C Line 1	11/02/20	08:00	11/02/20	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	GRIDCO
342	400kV Bus -II at Jeypore S/S	11/02/20	09:00:00	11/02/20	18:00:00	ODB	ER-II/Odisha /Jeypore	AMP Works of 400kV BUS-II	
	315MVA, ICT-1	11/02/20	09:00	11/02/20	18:00	ODB	ER-II/Odisha/Balangir	AMP for 315MVA, ICT-1	GRIDCO
344	220 KV BUS # 1	11/02/20	09:00	11/02/20	17:00	ODB	ER-II/Odisha/Rengali	AMP Work	
345	400 KV Rengali - Talcher # 2 Line(Non-Auto)	11/02/20	08:00	20/02/20	17:00	ODB	ER-II/Odisha/Rengali	For PID Measurement	
		44/02/20	0.00		10.00	000	-	TL Maintenance works	NUBC .
	765 KV DC Sundargarh - Dharamjaygarh Ckt #4	11/02/20	8:00 09:00	11/02/20	18:00	ODB	ER- II/ODISHA/SUNDERGARH	Line Jumper Modification work from Quad to twin work	NLDC NLDC
	765kV Sundergarh-Dharmajayagahr-IV line					ODB	ER-II/Odisha/Sundergarh	liquidation of defects fixing of spacer cap, conductor cut at	
348	400 KV BSF-Ballia ckt-1	11/02/20	08:00	11/02/20	18:00	ODB	POWERGRID ER-1	different locations	NLDC
349	400KV KAHALGAON- FARAKKA CKT 3	11/02/20	08:00	11/02/20	18:00	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)	
350	400kv Kishaganj-Rangpo -s/c	11/02/20	09:00	11/02/20	18:00	ODB	POWERGRID ER-I	for Annual maintenance of its switchable L/Reactor at kishanganj end .S/d of line required due to clraerance problem during testing for safety purpuse	
351	400kV New Purnea- Kishanganj-1 Line	11/02/20	10:00	11/02/20	18:00	ODB	POWERGRID ER-I	Relay retrofitting works IN 63MVAR Kishanganj-1 L/R	
	400 KV Pusauli -Biharsharif Line-2	11/02/20	9:00	16/02/20	18:00	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)	
353	400kV RANCHI-NEW RANCH-2	11/02/20	9:30	11/02/20	17:00	ODB	POWERGRID ER-I	To facilitate the s/d of its main bay due to unability of tie bay at Ranchi. A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	
354	200MVA ICT-II AT BANKA SS	11/02/20	9:00	11/02/20	18:00	ODB	POWERGRID ER-I	AMP WORK	BSEB
	NewChanditala: 400kv MB#2 and 400kv NewChanditala-	11/02/20	06:00	11/02/20	15:00	ODB	WB	Winter Maintenance	
	Kharagpur#1					-			
	At Arambag : 315 MVA ICT-2	11/02/20	06:00	11/02/20	15:00	ODB	WB	Winter Maintenance	
	BkTPP-Arambag  132 Lakhisarai(PG)-Lakhisarai ckt1	11/02/20 11/02/20	06:00	11/02/20 11/02/20	15:00 16:00	ODB ODB	WB BSPTCL	Winter Maintenance For line & bay maintenance work	Lakhisarai will avail power from
	* *							- 1/5 1/ CORGL 1	ckt 2
359 360	400kV Converter Trans. Main Bay at Alipurduar 404 bay (B; Nagar-II main bay) at Durgapur	11/02/20 11/02/20	07:00 09:30	11/02/20 11/02/20	17:00 17:30	ODB ODB	ER-II, POWERGRID  ER-II, POWERGRID	Rectification of SF6 leakage from PIR Blanking Plate  AMP works	B' Nagar-II line shall remain service
-		,,		,,					through Tie bay-405
361	400 kV 411 Tie Bay of Baripada-Pandiabili & Baripada-TISCO line	11/02/20	09:00	12/02/20	17:30	ОСВ	ER-II/Odisha/BARIPADA S/S	Gasket replacement	
	400kv TIE Bay of Tenughat 1 and Lakhisarai 2 at Bihar sharif	11/02/20	10:00	11/02/20	18:00	ODB	POWERGRID ER-I	AMP Work and CB Compressor overhauling	
	400kv Main Bay of 400/220kv 315MVA ICT -1 at Biharsharif	11/02/20	11:00	11/02/20	13:00	ODB	POWERGRID ER-I	Conpressor Overhauling of CB	
364	400KV Bihar Sharif-2 Line Reactor Bay (CWL89Q50)	11/02/20	09:00	14/02/20	18:00	OCB	POWERGRID ER-I	Overhauling of CWL89Q50-Y phase Pole	

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365	MAIN DAY (420) OF 400W DANCH NEW DANCH 2 AT DANCH	11/02/20	09:30	11/02/20	17:00	ODB	POWERGRID ER-I	BAY AMP, CB DCRM REPEAT TEST AS PER OS INSTRUCTION. AS	
366	MAIN BAY (430) OF 400KV RANCHI-NEW RANCH-2 AT RANCHI TIE BAY OF 765 KV B/R-II & FUTURE(BAY NO-708) AT 765/400 KV	11/02/20	09:00	11/02/20	17:00	ODB	POWERGRID ER-I	THERE IS NO TIE BAY, SO LINE WILL BE UNDER S/D  AMP	NLDC
367	NEW RANCHI 412 Main bay Of ICT 1 AT PATNA	11/02/20	09:00	12/02/20	18:00	OCB	POWERGRID ER-I	BCU updration works under SS03 package	
368		12/02/20	09:00	12/02/20	18:00	ODB	ER-II. POWERGRID	AMP Works	
369	220 KV DALKHOLA-DALKHOLA -II	12/02/20	09:00	12/02/20	17:00	ODB	ER-II, POWERGRID	AMP	WB
-	400kV Bus Reactor (80 MVAR) at Gokarna	12/02/20	09:00	13/02/20	17:00	ODB	ER-II, POWERGRID	Bus Reactor Maintenace.	WB
	·							PL Crossing during Re-conductoring work of Maithon -	
371	400KV Maithon-Kahalgaon I&II	12/02/20	08:00	13/02/20	18::00	OCB	ER-II, POWERGRID	Right Bank # I Line	
372	400 kV Malda-Farakka-II	12/02/20	08:00	13/02/20	17:00	ODB	ER-II, POWERGRID	TL Work	
373	400kV Angul-Meramundali D/C Line 2	12/02/20	08:00	12/02/20	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
374	765KV Sundargarh-NTPC Darlipalli ckt-1	12/02/20	09:00	12/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	Line Jumper Modification work from Quad to twin work	NLDC
375	400KV Sundergarh-Raigarh Ckt #2	12/02/20	8:00	12/02/20	18:00	ODB	ER- II/ODISHA/SUNDERGARH	TL Maintenance works	NLDC
376	765kV Sundergarh-Dharmajayagahr-I line	12/02/20	09:00	12/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	Line Jumper Modification work from Quad to twin work	NLDC
377	400/220 kV ICT-III at Gaya	12/02/20	09:00	12/02/20	18:00	ODB	ER-I	For AMP work	BSEB
378	765KV GAYA-VARANASI-I	12/02/20	09:00	19/02/20	18:00	ODB	ER1	FOR STRENGTHENING OF 765 KV LINE TOWER	NLDC
379	400 KV BSF-Ballia ckt-2	12/02/20	08:00	12/02/20	18:00	ODB	POWERGRID ER-1	liquidation of defects fixing of spacer cap, conductor cut at different locations	NLDC
380	220 KV BUS COUPLER (BA NO-206) AT PURNEA	12/02/20	09:00	12/02/20	17:00	ODB	POWERGRID ER-1	CB AMP WORK	
381	400kv 50MVAR L/R of Varansi 2 at BiharSharif	12/02/20	10:00	13/02/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment and AMP WORK	
382	400KV Maithon - Gaya-II	12/02/20	08:00	13/02/20	18:00	ODB	POWERGRID, ER-1	For Insulator cleaning. A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	
383	400KV KAHALGAON -FARAKKA CKT 4	12/02/20	08:00	12/02/20	18:00	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)	
384	63 MVAR TEESTA III L/R AT KISHANGANJ ( SWITCHABLE)	12/02/20	09:00	12/02/20	18:00	ODB	POWERGRID ER-I	Reactor CSD Commissioning	
385	400KV 63MVAR L/R OF Muzaffarpur-1 AT New Purnea (switchable)	12/02/20	9:00	12/02/20	18:00	ODB	POWERGRID ER-I	Relay retrofitting works IN 63MVAR Muzaffarpur-1 L/R	
386	400KV RANCHI-MAITHAN (RB)-1 TL	12/02/20	9:00	12/02/20	17:30	ODB	POWERGRID ER-I	FOR FLASHED INSULATOR REPLACEMENT AT LOCATION NO. 516, A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	MPL
387		12/02/20	06:00	12/02/20	15:00	ODB	WB	Winter Maintenance	
388	At Arambag : 315 MVA ICT-3	12/02/20	06:00	12/02/20	15:00	ODB	WB	Winter Maintenance	
389	NewChanditala: 400kv MB#1 and 400kv NewChanditala- Kharagpur#2	12/02/20	06:00	12/02/20	15:00	ODB	WB	Winter Maintenance	
390	220kV Khizersarai-Gaya PG ck t# 2	12/02/20	08:00	13/02/20	16:00	ODB	BGCL	For tower top patrolling and maintenance work	No Load Restriction
391	400 kV Meramundali - New Duburi Ckt-II	12/02/20	08:00	12/02/20	17:00	ODB	GRIDCO	For line & bay maintenance work	
392	400kV Converter Trans. TIE Bay at Alipurduar	12/02/20	07:00	12/02/20	17:00	ODB	ER-II, POWERGRID	Rectification of SF6 leakage from PIR Blanking Plate	
393	424 Bay ( 125 MVAR BR-3 Main Bay) at Durgapur	12/02/20	09:30	12/02/20	17:30	ODB	ER-II, POWERGRID	AMP worka	BR-3 shall remain service through 423 Tie CB
394	400KV MAIN BAY OF TALCHER#1 (406)	12/02/20	09:00	12/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS	
395	315MVA, ICT-1 Main Bay (402 BAY)	12/02/20	09:00	12/02/20	18:00	ODB	ER-II/Odisha/Balangir	AMP for 402 52CB and 402CT	
396	132kV Pusauli-Kudra Line Bay (Bay 105)	12/02/20	09:00	12/02/20	18:00	ODB	POWERGRID ER-I	AMP work & Relay Retrofitting	
397	MAIN BAY (201) OF 220KV RANCHI-HATIA-2 AT RANCHI	12/02/20	09:30	12/02/20	17:00	ODB	POWERGRID ER-I	AMP. LINE WILL REMAIN CHARGED THROUGH TBC BAY	
398	102 Bay(160 MVA ATR-1 IV Side) AT DALTONGANJ	12/02/20	09:30	12/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP	
399	220kv Rangpo - Tashiding Line	13/02/20	09:00	13/02/20	18:00	ODB	ER-II, POWERGRID	AMP Works	TASHIDING
400	50 MVA ICT-I 132/66 KV at Gangtok 220KV ALIPURDUAR-SALAKATY-1	13/02/20	09:00 08:00	13/02/20	18:00 17:00	ODB ODB	ER-II, POWERGRID ER-II, POWERGRID	For AMP work	SIKKIM
	220 KV Alipurduar - Birpara Ckt I	13/02/20	00:00	13/02/20	00:00	ODB	ER-II, POWERGRID	Bay AMP Work CLR Insulator replacement in Crossings	
	400 KV Tala-Binaguri Ckt-II	13/02/20	08:00	15/02/20	17:30	ODB	ER-II, POWERGRID	Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing,	NLDC
	220KV Birpara-Chukha Ckt-II	13/02/20	08:00	13/02/20	17:30	ODB	ER-II, POWERGRID	Retrofitting of Numerical Distance Relay	NLDC
405	400KV Mejia - Jamshedpur	13/02/20	08:00	18/02/20	18:00	ODB	ER-II, POWERGRID	Insulator Replacement work	DVC

Subject to availability of rest 3 lines

406	400KV Bus#2 at Binaguri	13/02/20	09:00	15/02/20	17:00	ODB	ER-II, POWERGRID	Busbar stability and GIS connection, Rangpo Bay upgradation work (Bus isolator dismantling / erection)- 3 occasions	
407	220 KV BUS # 2	13/02/20	09:00	13/02/20	17:00	ODB	ER-II/Odisha/Rengali	AMP Work	
408	765kV Sundergarh-Dharmajayagahr-II line	13/02/20	09:00	13/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	Line Jumper Modification work from Quad to twin work	NLDC
409	400KV Sundergarh-Raigarh Ckt #4	13/02/20	8:00	13/02/20	18:00	ODB	ER- II/ODISHA/SUNDERGARH	TL Maintenance works	NLDC
410	400KV Sundergarh-Raigarh Ckt # 1&3	13/02/20	8:00	28/02/20	18:00	ОСВ	ER- II/ODISHA/SUNDERGARH	Tower Erection and Stringing for OPGC MGR diversion	NLDC
411	400 kV Bus Reactor-I at Gaya	13/02/20	09:00	13/02/20	18:00	ODB	ER-I	For AMP work	
412	765 KV Ranchi-Dharmjaygarh TL(CKT-II)	13/02/20	08:00	14/02/20	18:00	ODB	POWERGRID ER-I	Power Line Crossing of 765 kV Ranchi Medinupur line under TBCB A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	NLDC
413	400kv main Bya of new Purnia -1 at Biharsharif	13/02/20	10:00	13/02/20	18:00	ODB	POWERGRID ER-I	AMP Work	
414	400KV KAHALGAON -BANKA CKT 2	13/02/20	08:00	13/02/20	18:00	ODB	POWERGRID ER-I	Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)	
415	63 MVAR RANGPO L/R AT KISHANGANJ ( SWITCHABLE)	13/02/20	09:00	13/02/20	18:00	ODB	POWERGRID ER-I	Reactor CSD Commissioning	
416	400KV 63MVAR L/R OF Muzaffarpur-2 AT New Purnea (switchable)	13/02/20	9:00	13/02/20	18:00	ODB	POWERGRID ER-I	Relay retrofitting works IN 63MVAR Muzaffarpur-2 L/R	
417	400KV RANCHI-MAITHAN (RB)-2 TL	13/02/20	9:00	13/02/20	17:30	ODB	POWERGRID ER-I	FOR FLASHED INSULATOR REPLACEMENT AT LOCATION NO. 414,495, A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	MPL
418	NewChanditala: 400kv MB#2 and 400kv NewChanditala- Kharagpur#2	13/02/20	06:00	13/02/20	15:00	ODB	WB	Winter Maintenance	
419	At Arambag : 315 MVA ICT-4	13/02/20	06:00	13/02/20	15:00	ODB	WB	Winter Maintenance	
420	400kV MTPS-Jamshedpur Line	13/02/20	09:00	15/02/20	17:00	ODB	400kV MTPS S/Y, DVC	Tan delta test of CT & tit-bit maintenance work	
421	132 Lakhisarai(PG)-Lakhisarai ckt2	13/02/20	09:00	13/02/20	16:00	ODB	BSPTCL	For line & bay maintenance work	Lakhisarai will avail power from ckt 1
422	429 Bay (Jamshedpur Line-1 Tie Bay) at Durgapur	13/02/20	09:30	13/02/20	17:30	ODB	ER-II, POWERGRID	AMP works	Jamshedpur line-1 shall remain service through 430 Main Bay.
	400KV MAIN BAY OF TALCHER#2 (407)	13/02/20	09:00	13/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS	
424	765KV SNG CKT-2 MAIN BAY 706	13/02/20	09:00	13/02/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP work	NLDC
	400 kV 408 Tie Bay of Baripada-Duburi & Baripada-Jamshedpur								
425	line	13/02/20	09:00	14/02/20	17:30	OCB	ER-II/Odisha/BARIPADA S/S	Gasket replacement	
426	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif	13/02/20	10:00	14/02/20 13/02/20	18:00	ODB	POWERGRID ER-I	AMP Work	
426 427	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103)	13/02/20 13/02/20	10:00 09:00	13/02/20 13/02/20	18:00 18:00	ODB ODB	POWERGRID ER-I POWERGRID ER-I	AMP Work AMP work & Relay Retrofitting	
426 427 428	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220KV BUS COUPLER BAY (203) AT RANCHI	13/02/20 13/02/20 13/02/20	10:00 09:00 09:30	13/02/20 13/02/20 13/02/20	18:00 18:00 17:00	ODB ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I	AMP Work AMP work & Relay Retrofitting AMP WORK.	
426 427 428	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay( Chatarpur Line-1 bay) AT DALTONGANJ	13/02/20 13/02/20	10:00 09:00	13/02/20 13/02/20	18:00 18:00	ODB ODB	POWERGRID ER-I POWERGRID ER-I	AMP Work AMP work & Relay Retrofitting	
426 427 428 429 430	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220KV BUS COUPLER BAY (203) AT RANCHI 103 bay( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20	10:00 09:00 09:30 09:30 09:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20	18:00 18:00 17:00 17:30 17:00	ODB ODB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I	AMP Work  AMP work & Relay Retrofitting  AMP WORK.  Bay AMP  AMP	NLDC
426 427 428 429	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW	13/02/20 13/02/20 13/02/20 13/02/20	10:00 09:00 09:30 09:30	13/02/20 13/02/20 13/02/20 13/02/20	18:00 18:00 17:00 17:30	ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I	AMP Work AMP work & Relay Retrofitting AMP WORK. Bay AMP  AMP  BCU updration works under SS03 package	NLDC
426 427 428 429 430	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220KV BUS COUPLER BAY (203) AT RANCHI 103 bay( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20	10:00 09:00 09:30 09:30 09:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20	18:00 18:00 17:00 17:30 17:00	ODB ODB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I	AMP Work  AMP work & Relay Retrofitting  AMP WORK.  Bay AMP  AMP	NLDC WB
426 427 428 429 430 431	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220KV BUS COUPLER BAY (203) AT RANCHI 103 bay( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20	10:00 09:00 09:30 09:30 09:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 18:00	ODB ODB ODB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I	AMP Work AMP work & Relay Retrofitting AMP WORK. Bay AMP  AMP  BCU updration works under SS03 package Rectification of Damaged Conductor bottom Ph & Mid Ph	-
426 427 428 429 430 431 432	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220KV BUS COUPLER BAY (203) AT RANCHI 103 bay( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132KV Rangit-kurseong Line	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20	10:00 09:00 09:30 09:30 09:00 09:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 18:00	ODB ODB ODB ODB ODB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID	AMP Work AMP work & Relay Retrofitting AMP WORK. Bay AMP  AMP  BCU updration works under SS03 package Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34 Bay AMP Work ERSS-XVII-B Constructional work. For removal of existing	-
426 427 428 429 430 431 432 433	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bayl (Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132kV Rangit-kurseong Line 220kV ALIPURDUAR-SALAKATY-2	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20	10:00 09:00 09:30 09:30 09:30 09:00 09:00 09:00 08:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 18:00 17:00	ODB ODB ODB ODB ODB ODB ODB OCB ODB ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID	AMP Work AMP work & Relay Retrofitting AMP WORK. Bay AMP  AMP BCU updration works under SS03 package Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34 Bay AMP Work ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3.	WB
426 427 428 429 430 431 432 433 434	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bayl (Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132kV Rangit-kurseong Line 220kV ALIPURDUAR-SALAKATY-2	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:00 09:30 09:30 09:00 09:00 09:00 08:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 17/02/20	18:00 18:00 17:00 17:30 17:00 18:00 17:00 17:00	ODB ODB ODB ODB ODB ODB ODB ODB OCB ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID	AMP Work  AMP work & Relay Retrofitting  AMP WORK.  Bay AMP  AMP  BCU updration works under \$503 package  Rectification of Damaged Conductor bottom Ph & Mid Ph  loc 33-34  Bay AMP Work  ERSS-XVII-B Constructional work. For removal of existing  HCB Isolator of ICT-3.  AMP	WB
426 427 428 429 430 431 432 433 434	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132kV Rangit-kurseong Line 220kV ALIPURDUAR-SALAKATY-2 220 kV Bus-II at MALDA 765/400KV 1500 MVA ICT-II	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20	10:00 09:00 09:30 09:30 09:00 09:00 09:00 08:00 08:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 18:00 17:00 17:00 17:00	ODB ODB ODB ODB ODB ODB ODB OCB ODB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID	AMP Work AMP work & Relay Retrofitting AMP WORK. Bay AMP  AMP BCU updration works under SS03 package Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34 Bay AMP Work ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3.	WB
426 427 428 429 430 431 432 433 434 435 436 437	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay (Chatarpur Line-1 bay) AT DALTONGANI REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132kV Rangit-kurseong Line 220KV ALIPURDUAR-SALAKATY-2 220 KV Bus-II at MALDA 765/400KV 1500 MVA ICT-II 400kV 50MVAR L/R of Varansi 1 at BiharSharif 125MVAR Bus Reactor-1 at New Purnea	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:00 09:30 09:30 09:00 09:00 09:00 08:00 08:00 09:00 10:00 9:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 17/02/20 15/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 18:00 17:00 17:00 17:00 18:00 18:00 18:00	ODB ODB ODB ODB ODB ODB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-I POWERGRID ER-I	AMP Work AMP work & Relay Retrofitting AMP WORK. Bay AMP  AMP BCU updration works under SS03 package Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34 Bay AMP Work ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3. AMP Relay Retrofitment and AMP WORK Relay retrofitting works IN 125MVAR Bus Reactor-1 Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)	WB
426 427 428 429 430 431 432 433 434 435 436 437 438	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220KV BUS COUPLER BAY (203) AT RANCHI 103 bay( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132kV Rangit-kurseong Line 220KV ALIPURDUAR-SALAKATY-2 220 kV Bus-II at MALDA 765/400KV 1500 MVA ICT-II 400kv SOMVAR L/R of Varansi 1 at BiharSharif 125MVAR Bus Reactor-1 at New Purnea 400 KV Pusauli-Biharsharif Line-1	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:00 09:30 09:30 09:00 09:00 09:00 08:00 09:00 10:00 9:00 9:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 15/02/20 14/02/20 14/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 18:00 17:00 17:00 17:00 18:00 18:00 18:00 18:00	ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I	AMP Work AMP work & Relay Retrofitting AMP WORK. Bay AMP  AMP BCU updration works under \$503 package Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34 Bay AMP Work ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3. AMP Relay Retrofitment and AMP WORK Relay retrofitting works IN 125MVAR Bus Reactor-1 Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode) Winter Maintenance	WB
426 427 428 429 430 431 432 433 434 435 436 437 438	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay (Chatarpur Line-1 bay) AT DALTONGANI REACTOR BAY 0F 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132KV Rangit-kurseong Line 220KV ALIPURDUAR-SALAKATY-2 220 kV Bus-II at MALDA 765/400KV 1500 MVA ICT-II 400kv 50MVAR L/R of Varansi 1 at BiharSharif 125MVAR Bus Reactor-1 at New Purnea 400 KV Pusauli-Biharsharif Line-1 400KV KTPP-New Chanditala At Arambag: 50 MVAR Bus Reacor	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:00 09:30 09:30 09:00 09:00 09:00 08:00 08:00 09:00 10:00 9:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 17/02/20 15/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 18:00 17:00 17:00 17:00 18:00 18:00 18:00	ODB ODB ODB ODB ODB ODB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-I POWERGRID ER-I	AMP Work  AMP work & Relay Retrofitting  AMP WORK.  Bay AMP  AMP  BCU updration works under SS03 package  Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34  Bay AMP Work  ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3.  AMP  Relay Retrofitment and AMP WORK Relay retrofitting works IN 125MVAR Bus Reactor-1  Replacement of insulators at Road/Rail/River/Power Line  Crossings (A/R of other ckt to be put in non-auto mode)  Winter Maintenance	WB
426 427 428 429 430 431 432 433 434 435 436 437 438	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220KV BUS COUPLER BAY (203) AT RANCHI 103 bay( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132kV Rangit-kurseong Line 220KV ALIPURDUAR-SALAKATY-2 220 kV Bus-II at MALDA 765/400KV 1500 MVA ICT-II 400kv SOMVAR L/R of Varansi 1 at BiharSharif 125MVAR Bus Reactor-1 at New Purnea 400 KV Pusauli-Biharsharif Line-1	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:00 09:30 09:30 09:00 09:00 09:00 08:00 09:00 10:00 9:00 9:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 15/02/20 14/02/20 14/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 18:00 17:00 17:00 17:00 18:00 18:00 18:00 18:00	ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I	AMP Work AMP work & Relay Retrofitting AMP WORK. Bay AMP  AMP BCU updration works under \$503 package Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34 Bay AMP Work ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3. AMP Relay Retrofitment and AMP WORK Relay retrofitting works IN 125MVAR Bus Reactor-1 Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode) Winter Maintenance	WB
426 427 428 429 430 431 432 433 434 435 436 437 438	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay (Chatarpur Line-1 bay) AT DALTONGANI REACTOR BAY 07 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132kV Rangit-kurseong Line 220kV ALIPURDUAR-SALAKATY-2 220 kV Bus-II at MALDA 765/400kV 1500 MVA ICT-II 400kV 50MVAR L/R of Varansi 1 at BiharSharif 125MVAR Bus Reactor-1 at New Purnea 400 KV Pusauli-Biharsharif Line-1 400KV KTPP-New Chanditala 44 K Arambag : 50 MVAR Bus Reacor NewChanditala: 400kv MB#1 and 400kv NewChanditala-	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:30 09:30 09:30 09:30 09:00 09:00 09:00 08:00 08:00 09:00 10:00 9:00 9:00 06:00 06:00 06:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 15/02/20 14/02/20 14/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 18:00 17:00 17:00 17:00 18:00 18:00 18:00 18:00 15:00	ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I WB WB WB	AMP Work  AMP work & Relay Retrofitting  AMP WORK.  Bay AMP  AMP  BCU updration works under SS03 package  Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34  Bay AMP Work  ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3.  AMP  Relay Retrofitment and AMP WORK Relay retrofitting works IN 125MVAR Bus Reactor-1  Replacement of insulators at Road/Rail/River/Power Line  Crossings (A/R of other ckt to be put in non-auto mode)  Winter Maintenance	WB
426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441	lline 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay (Chatarpur Line-1 bay) AT DALTONGANI REACTOR BAY 07 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132kV Rangit-kurseong Line 220KV ALIPURDUAR-SALAKATY-2 220 kV Bus-II at MALDA 765/400KV 1500 MVA ICT-II 400kV 50MVAR L/R of Varansi 1 at BiharSharif 125MVAR Bus Reactor-1 at New Purnea 400 KV Pusauli-Biharsharif Line-1 400KV KTPP-New Chanditala 400KV KTPP-New Chanditala 4A Arambag : 50 MVAR Bus Reacor NewChanditala: 400kv MB#1 and 400kv NewChanditala-Arambag	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:30 09:30 09:30 09:30 09:00 09:00 09:00 08:00 08:00 09:00 10:00 9:00 9:00 06:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 15/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:30 17:00 17:00 17:00 17:00 18:00 18:00 18:00 18:00 18:00	ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I WB WB	AMP Work  AMP work & Relay Retrofitting  AMP WORK.  Bay AMP  AMP  BCU updration works under SS03 package  Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34  Bay AMP Work  ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3.  AMP  Relay Retrofitment and AMP WORK  Relay retrofitting works IN 125MVAR Bus Reactor-1  Replacement of insulators at Road/Rail/River/Power Line  Crossings (A/R of other ckt to be put in non-auto mode)  Winter Maintenance  Winter Maintenance  Winter Maintenance	WB  NLDC  Jamshedpur Line-1 shall remains
426 427 428 429 430 431 432 433 434 435 436 437 438 449 440 441	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay (Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY OF 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132kV Rangit-kurseong Line 220kV ALIPURDUAR-SALAKATY-2 220 kV Bus-II at MALDA 765/400kV 1500 MVA ICT-II 400kv 50MVAR L/R of Varansi 1 at BiharSharif 125MVAR Bus Reactor-1 at New Purnea 400 KV Pusauli-Biharsharif Line-1 400kV KTPP-New Chanditala At Arambag : 50 MVAR Bus Reacor NewChanditala: 400kv MB#1 and 400kv NewChanditala-Arambag 430 Bay (Jamshedpur Line-1 Main Bay ) at Durgapur 220 kV TARKERA#2 LINE BAY (209L) 706 Main Bay of 765/400KV,1500MVA ICT-I	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:30 09:30 09:30 09:30 09:00 09:00 08:00 08:00 09:00 10:00 9:00 06:00 06:00 09:30	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 15/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:00 17:00 17:00 17:00 17:00 17:00 18:00 18:00 18:00 18:00 15:00 15:00 15:00 15:00 15:00 15:00 16:00 17:00	ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I WB WB WB ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-I ER-II, POWERGRID ER-I WB WB	AMP Work AMP work & Relay Retrofitting AMP WORK. Bay AMP  AMP BCU updration works under \$503 package Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34 Bay AMP Work ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3. AMP Relay Retrofitment and AMP WORK Relay retrofitting works IN 125MVAR Bus Reactor-1 Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode) Winter Maintenance Winter Maintenance Winter Maintenance Winter Maintenance Winter Maintenance SIEMENS Centre guide valve modification work in Mechanism drive and AMP	WB  NLDC  Jamshedpur Line-1 shall remains service throught 429 Tie Bay  NLDC
426 427 428 429 430 431 432 433 434 435 436 437 438 449 441 442 443	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay ( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY 07 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132KV Rangit-kurseong Line 220KV ALIPURDUAR-SALAKATY-2 220 kV Bus-II at MALDA 765/400KV 1500 MVA ICT-II 400kV 50MVAR L/R of Varansi 1 at BiharSharif 125MVAR Bus Reactor-1 at New Purnea 400 KV Pusauli-Biharsharif Line-1 400KV KTPP-New Chanditala At Arambag : 50 MVAR Bus Reacor NewChanditala: 400kv MB#1 and 400kv NewChanditala-Arambag 430 Bay (Jamshedpur Line-1 Main Bay ) at Durgapur 220 KV TARKERA#2 LINE BAY (209L) 706 Main Bay of 765/400KV,1500MVA ICT-I 710 Line Reactor Bay (765 KV Gaya-Varanasi ckt-I) at Gaya	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:00 09:30 09:30 09:30 09:00 09:00 08:00 08:00 09:00 10:00 9:00 06:00 06:00 09:30 09:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 17:00 17:00 17:00 17:00 18:00 18:00 18:00 18:00 15:00 15:00 15:00 15:00 15:00 15:00 18:00	ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I WB WB WB ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID	AMP Work  AMP work & Relay Retrofitting  AMP WORK.  Bay AMP  AMP  BCU updration works under SS03 package  Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34  Bay AMP Work  ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3.  AMP  Relay Retrofittment and AMP WORK  Relay retrofitting works IN 125MVAR Bus Reactor-1  Replacement of insulators at Road/Rail/River/Power Line  Crossings (A/R of other ckt to be put in non-auto mode)  Winter Maintenance  Winter Maintenance	WB  NLDC  Jamshedpur Line-1 shall remains service throught 429 Tie Bay
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426 427 428 429 430 431 432 433 434 435 436 437 438 440 441 441 442 443 444 444 445 445	line 400kv TIE Bay ofNew Purnia 1 and Future at Bihar sharif 132kV Pusauli-Mohania Line Bay (Bay 103) 220kV BUS COUPLER BAY (203) AT RANCHI 103 bay ( Chatarpur Line-1 bay) AT DALTONGANJ REACTOR BAY 07 765 KV L/R-I(BAY NO 704R) AT 765/400 KV NEW RANCHI 413 Main Bay Ballia 1 AT PATNA 132KV Rangit-kurseong Line 220KV ALIPURDUAR-SALAKATY-2 220 kV Bus-II at MALDA 765/400KV 1500 MVA ICT-II 400kV 50MVAR L/R of Varansi 1 at BiharSharif 125MVAR Bus Reactor-1 at New Purnea 400 KV Pusauli-Biharsharif Line-1 400KV KTPP-New Chanditala At Arambag : 50 MVAR Bus Reacor NewChanditala: 400kv MB#1 and 400kv NewChanditala-Arambag 430 Bay (Jamshedpur Line-1 Main Bay ) at Durgapur 220 KV TARKERA#2 LINE BAY (209L) 706 Main Bay of 765/400KV,1500MVA ICT-I 710 Line Reactor Bay (765 KV Gaya-Varanasi ckt-I) at Gaya	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	10:00 09:00 09:30 09:30 09:30 09:00 09:00 08:00 08:00 09:00 10:00 9:00 06:00 06:00 09:30 09:00	13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 13/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20 14/02/20	18:00 18:00 17:00 17:30 17:00 17:00 17:00 17:00 17:00 18:00 18:00 18:00 18:00 15:00 15:00 15:00 15:00 15:00 15:00 18:00	ODB	POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I WB WB WB ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID ER-I ER-II, POWERGRID	AMP Work  AMP work & Relay Retrofitting  AMP WORK.  Bay AMP  AMP  BCU updration works under SS03 package  Rectification of Damaged Conductor bottom Ph & Mid Ph loc 33-34  Bay AMP Work  ERSS-XVII-B Constructional work. For removal of existing HCB Isolator of ICT-3.  AMP  Relay Retrofittment and AMP WORK  Relay retrofitting works IN 125MVAR Bus Reactor-1  Replacement of insulators at Road/Rail/River/Power Line  Crossings (A/R of other ckt to be put in non-auto mode)  Winter Maintenance  Winter Maintenance	WB  NLDC  Jamshedpur Line-1 shall remains service throught 429 Tie Bay  NLDC

Subject to availability of rest 3 lines

449 104 Bay(Chatarpur Line-2 bay) AT DALTONGANJ	14/02/20	09:30	14/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP	
REACTOR BAY OF 765 KV L/R-II (BAY NO 715R) AT 765/400 KV	14/02/20	09:00	14/02/20	17:00	ODB	POWERGRID ER-I		NLDC
450 NEW RANCHI 451 50 MVA ICT-II 132/66KV at Gangtok	15/02/20	09:00	15/02/20	18:00	ODB	ER-II, POWERGRID	AMP For AMP work	SIKKIM
452 400KV Binaguri - Bongaigaon D/C (Twin) Line (POWERGRID)	15/02/20	00:00	18/02/20	00:00	ODB	ER-II, POWERGRID	Stringing at crossing between Loc. No. 11/0 - 12/0 of Jigmeling line and loc. No. 273-274 of Binaguri - Bongaigaon Line	NLDC
453 400KV BINAGURI-BONGAIGAON-2	15/02/20	10:00	16/02/20	15:00	ODB	ER-II, POWERGRID	Bay upgradation work	NLDC
454 400 KV Rourkela-SUNDARGARH#1 LINE	15/02/20	09:00	15/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	FOR ERECTION OF REACTOR BUSHINGS (SHUTDOWN BEING AVAILED AS CLEARANCE IS LESS)	
455 125 MVAR Bus Reactor # 1	15/02/20	09:00	15/02/20	17:00	ODB	ER-II/Odisha/Rengali	AMP Work	
456 400KV Sundergarh-Raigarh Ckt #2&4	15/02/20	8:00	28/02/20	18:00	ODB	ER- II/ODISHA/SUNDERGARH	For PID Testing of Porcelain Insulator. Only Auto reclose	NLDC
457 125MVAR Bus Reactor-2 at New Purnea	15/02/20	9:00	15/02/20	18:00	ODB	POWERGRID ER-I	Relay retrofitting works IN 125MVAR Bus Reactor-2	
458 400 KV Bus 1 AT DARBHANGA	15/02/20	08:00	16/02/20	18:00	ОСВ	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to existing Bus (DMTCL & ATL)	DMTCL
459 NewChanditala: 400kv MB#2 and 400kv NewChanditala- Arambag	15/02/20	06:00	15/02/20	15:00	ODB	WB	Winter Maintenance	
460 400KV KTPP-Kharagpur 2	15/02/20	06:00	15/02/20	15:00	ODB	WB	Winter Maintenance	
461 220kV Jamshedpur-Jindal Tie	15/02/20	08:00	15/02/20	17:30	ODB	GOMD-III, DVC, Jamshedpur	Hardware checking work at loc no.52,53,63,73	GRIDCO
462 220 KV DMTCL(Darbhanga)-Laukahi ckt1	15/02/20	09:00	23/02/20	16:00	ODB	BSPTCL	For line maintenance work	Laukahi will avail power from alternate sources
463 220 KV DMTCL(Darbhanga)-Laukahi ckt2	15/02/20	09:00	23/02/20	16:00	ODB	BSPTCL	For line maintenance work	Laukahi will avail power from alternate sources
411 Bay (Tie Bay of 315 MVA ICT#4 and Future bay) at Subhasgram	15/02/20	09:00	21/02/20	17:00	ОСВ	ER-II, POWERGRID	For isolator and CT retrofitting work under ERSS-XVIII Project	atternate sources
465 765KV BR-1 MAIN BAY 712	15/02/20	09:00:00	15/02/20	18:00:00	ODB	ER-II/Odisha/Angul SS	AMP work	NLDC
466 80MVAR B/R-1 Main Bay (408 Bay)	15/02/20	09:00	15/02/20	18:00	ODB	ER-II/Odisha/Balangir	AMP for 408 52CB and 408 CT	NEBC
467 400 kV 410 main Bay of Baripada-Pandiabili line	15/02/20	09:00	16/02/20	17:30	OCB	ER-II/Odisha/BARIPADA S/S	Gasket replacement	
468 400kv Tie bay of 315 MVA ICT 3 and Bus reactor 2 at Biharsharif	15/02/20	09:30	15/02/20	18:000	ODB	POWERGRID ER-I	AMP	
469 400KV CWD50Q50 Bay (Tie Bay of Ac filter east side and Converter transformer East Side)	15/02/20	09:00	18/02/20	18:00	OCB	POWERGRID ER-I	Overhauling of CWD50Q50 R&Y-Phase Pole	
470 A00KV SIDE MAIN BAY (406) OF 400/220 KV 315 MVA ICT-2 AT RANCHI	15/02/20	09:30	15/02/20	17:00	ODB	POWERGRID ER-I	AMP WORK.	
I 4/1 I4U5 Bav(315 MVA ICT-2 Tie Bav) AT DALTONGANJ	15/02/20	09:30	15/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP	
471 405 Bay(315 MVA ICT-2 Tie Bay) AT DALTONGANJ 472 414 Balia-1 Tie Bay AT PATNA	15/02/20 15/02/20	09:30 09:00	15/02/20 16/02/20	17:30 18:00	ODB OCB	POWERGRID ER-I POWERGRID ER-I	Bay AMP BCU updration works under SS03 package	
472 414 Balia-1 Tie Bay AT PATNA							BCU updration works under SS03 package	
472 414 Balia-1 Tie Bay AT PATNA	15/02/20	09:00	16/02/20	18:00	OCB	POWERGRID ER-I	,	TEESTA-V
472 414 Balia-1 Tie Bay AT PATNA 473 214 Main bay ICT 1 AT PATNA 474 400KV Rangpo-Teesta-V Ckt-1 475 400KV Baripada-Keonjhar line	15/02/20 15/02/20 16/02/20 16/02/20	09:00 09:00 09:00	16/02/20 16/02/20 16/02/20 29/02/20	18:00 18:00 18:00 17:30	OCB OCB ODB	POWERGRID ER-I POWERGRID ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line	
472 414 Balia-1 Tie Bay AT PATNA  473 214 Main bay ICT 1 AT PATNA  474 400KV Rangpo-Teesta-V Ckt-1  475 400KV Baripada-Keonjhar line  476 400/220kv 500MVA ICT 4 at Biharsharif	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20	09:00 09:00 09:00 09:00	16/02/20 16/02/20 16/02/20 29/02/20 16/02/20	18:00 18:00 18:00 17:30	OCB OCB ODB ODB	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line  CSD Commissioning work	TEESTA-V BSEB
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv TIE Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20	09:00 09:00 09:00 09:00 10:00 11:00	16/02/20 16/02/20 16/02/20 29/02/20 16/02/20 16/02/20	18:00 18:00 18:00 17:30 18:00 13:00	OCB OCB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line CSD Commissioning work  Conpressor Overhauling of CB	BSEB
472 414 Balia-1 Tie Bay AT PATNA  473 214 Main bay ICT 1 AT PATNA  474 400KV Rangpo-Teesta-V Ckt-1  475 400KV Baripada-Keonjhar line  476 400/220kv 500MVA ICT 4 at Biharsharif	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20	09:00 09:00 09:00 09:00	16/02/20 16/02/20 16/02/20 29/02/20 16/02/20	18:00 18:00 18:00 17:30	OCB OCB ODB ODB	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line  CSD Commissioning work  Conpressor Overhauling of CB  AMP Works  Replacement of Porcelain insulator with Polymer Insulator at major crossing like (railway,river,road,power	
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv TIE Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00	16/02/20 16/02/20 16/02/20 29/02/20 16/02/20 16/02/20 17/02/20	18:00 18:00 18:00 17:30 18:00 13:00 18:00	OCB OCB ODB ODB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line  CSD Commissioning work  Conpressor Overhauling of CB  AMP Works  Replacement of Porcelain insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing,  PL Crossing,  PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line	BSEB SIKKIM
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kV TIE Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00	16/02/20 16/02/20 16/02/20 29/02/20 29/02/20 16/02/20 16/02/20 17/02/20	18:00 18:00 18:00 17:30 18:00 13:00 18:00 17:30	OCB OCB ODB ODB ODB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line CSD Commissioning work Conpressor Overhauling of CB  AMP Works  Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing, PL Crossing during Re-conductoring work of Maithon - Right Bank #1 Line FOR TAKING THE LINE REACTOR INTO SERVICE AFTER	BSEB SIKKIM NLDC
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv TiE Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III       480     220KV Maithon-Dumka I&II	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00 08:00	16/02/20 16/02/20 16/02/20 29/02/20 16/02/20 16/02/20 17/02/20 19/02/20	18:00 18:00 18:00 17:30 18:00 13:00 18:00 17:30	OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line  CSD Commissioning work  Conpressor Overhauling of CB  AMP Works  Replacement of Porcelain insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing,  PL Crossing,  PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line	BSEB SIKKIM NLDC
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv Tie Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III       480     220KV Maithon-Dumka I&II       481     400 KV Rourkela-SUNDARGARH#1 LINE	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20 17/02/20 17/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00 08:00 08:00	16/02/20 16/02/20 16/02/20 29/02/20 16/02/20 16/02/20 17/02/20 19/02/20 18/02/20 17/02/20	18:00 18:00 17:30 18:00 17:30 18:00 17:30 18:00 17:30	OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line  CSD Commissioning work  Conpressor Overhauling of CB  AMP Works  Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway, river, road, power line) crossing,  PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line FOR TAKING THE LINE REACTOR INTO SERVICE AFTER OVERHAULING	BSEB SIKKIM NLDC JSEB
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400KV South South South IcT 4 at Biharsharif       477     400KV TIE Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III       480     220KV Maithon-Dumka I&II       481     400 KV Rourkela-SUNDARGARH#1 LINE       482     3x110 MVAR 765 kV BUS Reactor I	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20 17/02/20 17/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00 08:00 08:00 10:30	16/02/20 16/02/20 16/02/20 29/02/20 16/02/20 16/02/20 16/02/20 17/02/20 18/02/20 17/02/20 17/02/20	18:00 18:00 18:00 17:30 18:00 13:00 18:00 17:30 18:00 18:00	OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II/ODISHA/ROURKELA ER-II/ODISHA/ROURKELA	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line  CSD Commissioning work  Coppressor Overhauling of CB  AMP Works  Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing,  PL Crossing during Re-conductoring work of Maithon- Right Bank # I Line FOR TAKING THE LINE REACTOR INTO SERVICE AFTER  OVERHAULING  AMP Work  FOR TAKING THE LINE REACTOR INTO SERVICE AFTER  OVERHAULING  AMP Work FOR TAKING THE LINE REACTOR INTO SERVICE AFTER  OVERHAULING  AMP Work  FOR TAKING INTERED THE INTERED THE REACTOR INTO SERVICE AFTER  OVERHAULING  AMP Work  FOR TAKING THE LINE REACTOR INTO SERVICE AFTER  OVERHAULING  AMP Work  FOR TAKING THE LINE REACTOR INTO SERVICE AFTER  OVERHAULING	BSEB SIKKIM NLDC JSEB
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv TiE Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III       480     220KV Maithon-Dumka I&II       481     400 KV Rourkela-SUNDARGARH#1 LINE       482     3x110 MVAR 765 kV BUS Reactor I       483     50MVAR Line Reactor	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00 08:00 08:00 10:30 09:00	16/02/20 16/02/20 16/02/20 29/02/20 29/02/20 16/02/20 17/02/20 19/02/20 18/02/20 17/02/20 17/02/20 17/02/20	18:00 18:00 18:00 17:30 18:00 13:00 18:00 17:30 18:00 18:00 18:00	OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II/Odisha/ArgurkelA ER-II/Odisha/Angul SS ER-II/Odisha/Indravati	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line CSD Commissioning work Conpressor Overhauling of CB  AMP Works Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing, PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line FOR TAKING THE LINE REACTOR INTO SERVICE AFTER OVERHAULING AMP Work 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.	BSEB SIKKIM NLDC JSEB
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv Tie Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III       480     220KV Maithon-Dumka I&II       481     400 KV Rourkela-SUNDARGARH#1 LINE       482     3x110 MVAR 765 kV BUS Reactor I       483     50MVAR Line Reactor       484     400KV Main Bus-I	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00 08:00 08:00 10:30 09:00	16/02/20 16/02/20 16/02/20 29/02/20 29/02/20 16/02/20 17/02/20 19/02/20 17/02/20 17/02/20 17/02/20 17/02/20	18:00 18:00 17:30 18:00 17:30 18:00 17:30 18:00 17:30 18:00 18:00 17:30	OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II/Odisha/Angul SS ER-II/Odisha/Indravati ER-II/Odisha/BARIPADA S/S	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line CSD Commissioning work Coppressor Overhauling of CB  AMP Works Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing, PL Crossing during Re-conductoring work of Maithon- Right Bank #1 Line FOR TAKING THE LINE REACTOR INTO SERVICE AFTER OVERHAULING AMP Work 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.  AMP works & Bus side isolator rectification works	BSEB  SIKKIM  NLDC  JSEB  NLDC
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv TiE Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III       480     220KV Maithon-Dumka I&II       481     400 KV Rourkela-SUNDARGARH#1 LINE       482     3x110 MVAR 765 kV BUS Reactor I       483     50MVAR Line Reactor       484     400KV Main Bus-I       485     765KV Sundargarh-Angul Ckt #1	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00 08:00 08:00 10:30 09:00 09:00	16/02/20 16/02/20 16/02/20 29/02/20 29/02/20 16/02/20 17/02/20 19/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20	18:00 18:00 17:30 18:00 17:30 18:00 17:30 18:00 17:30 18:00 18:00 18:00	OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II/Odisha/ROURKELA ER-II/Odisha/Angul SS ER-II/Odisha/Indravati ER-II/Odisha/BARIPADA S/S ER-II/Odisha/SUNDERGARH	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line  CSD Commissioning work  Conpressor Overhauling of CB  AMP Works  Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing,  PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line FOR TAKING THE LINE REACTOR INTO SERVICE AFTER  OVERHAULING  AMP Work  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.  AMP works & Bus side isolator rectification works  TL Maintenance works  AMP WORK  Relay Retrofitment and AMP WORK	BSEB  SIKKIM  NLDC  JSEB  NLDC
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv Tie Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III       480     220KV Maithon-Dumka I&II       481     400 KV Rourkela-SUNDARGARH#1 LINE       482     3x110 MVAR 765 kV BUS Reactor I       483     50MVAR Line Reactor       484     400KV Main Bus-I       485     765KV Sundargarh-Angul Ckt #1       486     220KV BUS -1AT PURNEA	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20	09:00 09:00 09:00 10:00 11:00 09:00 08:00 08:00 10:30 09:00 09:00	16/02/20 16/02/20 16/02/20 29/02/20 29/02/20 16/02/20 17/02/20 19/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20	18:00 18:00 18:00 17:30 18:00 13:00 18:00 17:30 18:00 12:30 18:00 18:00 17:30 18:00	OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II/Odisha/ROURKELA ER-II/Odisha/Angul SS ER-II/Odisha/Indravati ER-II/Odisha/Indravati ER-II/Odisha/SUNDERGARH POWERGRID ER-I	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line CSD Commissioning work Coppressor Overhauling of CB  AMP Works Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing, PL Crossing during Re-conductoring work of Maithon- Right Bank #1 Line FOR TAKING THE LINE REACTOR INTO SERVICE AFTER OVERHAULING AMP Work 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.  AMP works & Bus side isolator rectification works TL Maintenance works  AMP WORK	BSEB  SIKKIM  NLDC  JSEB  NLDC
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv TiE Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III       480     220KV Maithon-Dumka I&II       481     400 KV Rourkela-SUNDARGARH#1 LINE       482     3x110 MVAR 765 kV BUS Reactor I       483     50MVAR Line Reactor       484     400KV Main Bus-I       485     765KV Sundargarh-Angul Ckt #1       486     220KV BUS - 1AT PURNEA       487     400KV 80MVAR L/R OF Purnia 1 at BiharSharif	15/02/20 15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00 08:00 10:30 09:00 09:00 09:00 8:00	16/02/20 16/02/20 16/02/20 29/02/20 16/02/20 16/02/20 17/02/20 19/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 18/02/20	18:00 18:00 18:00 17:30 18:00 13:00 18:00 17:30 18:00 12:30 18:00 18:00 17:30 18:00 18:00	OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II/Odisha/ROURKELA ER-II/Odisha/Angul SS ER-II/Odisha/Indravati ER-II/Odisha/BARIPADA S/S ER-II/ODISHA/SUNDERGARH POWERGRID ER-I POWERGRID ER-I POWERGRID ER-I	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line CSD Commissioning work Conpressor Overhauling of CB  AMP Works Replacement of Porcelain insulator with Polymer Insulator at major crossing like (railway,river,road,power line) crossing, PL Crossing during Re-conductoring work of Maithon - Right Bank # Line FOR TAKING THE LINE REACTOR INTO SERVICE AFTER OVERHAULING AMP Work 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.  AMP works & Bus side isolator rectification works TL Maintenance works  AMP WORK Relay Retrofitment and AMP WORK Relay Retrofitment and AMP WORK	BSEB  SIKKIM  NLDC  JSEB  NLDC  NLDC
472     414 Balia-1 Tie Bay AT PATNA       473     214 Main bay ICT 1 AT PATNA       474     400KV Rangpo-Teesta-V Ckt-1       475     400KV Baripada-Keonjhar line       476     400/220kv 500MVA ICT 4 at Biharsharif       477     400kv Tie Bay of Sasaram 1 and Bus reactor 1 at Bihar sharif       478     132KV BUS-SECTIONALIZER-1 at Rangpo       479     400 KV Tala-Binaguri Ckt-III       480     220KV Maithon-Dumka I&II       481     400 KV Rourkela-SUNDARGARH#1 LINE       482     3x110 MVAR 765 kV BUS Reactor I       483     50MVAR Line Reactor       484     400KV Main Bus-I       485     765KV Sundargarh-Angul Ckt #1       486     220KV BUS-1AT PURNEA       487     400KV Pusauli-Varanasi Line	15/02/20 15/02/20 16/02/20 16/02/20 16/02/20 16/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20	09:00 09:00 09:00 09:00 10:00 11:00 09:00 08:00 10:30 09:00 09:00 09:00 8:00 09:00	16/02/20 16/02/20 16/02/20 29/02/20 29/02/20 16/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20 17/02/20	18:00 18:00 18:00 17:30 18:00 13:00 18:00 17:30 18:00 18:00 18:00 18:00 18:00 18:00 18:00	OCB OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II/Odisha/BARIPADA S/S POWERGRID ER-I POWERGRID ER-I ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II, POWERGRID ER-II/Odisha/ROURKELA ER-II/Odisha/Angul SS ER-II/Odisha/Indravati ER-II/Odisha/SUNDERGARH POWERGRID ER-1 POWERGRID ER-1 POWERGRID ER-1 POWERGRID ER-1	BCU updration works under SS03 package  CB Overhauling & BCU updration works under SS03 package  AMP Works  Line Auto-reclose switch is to be kept in Non-auto mode for Online PID scanning work of porcelain insulator of concerned line  CSD Commissioning work  Conpressor Overhauling of CB  AMP Works  Replacement of Porcelain Insulator with Polymer Insulator at major crossing like (railway, river, road, power line) crossing.  PL Crossing during Re-conductoring work of Maithon-Right Bank # I Line FOR TAKING THE LINE REACTOR INTO SERVICE AFTER  OVERHAULING  AMP Work  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.  AMP works & Bus side isolator rectification works  TL Maintenance works  AMP WORK  Relay Retrofitment and AMP WORK  Replacement of insulators at Road/Rail/River/Power Line Crossings (A/R of other ckt to be put in non-auto mode)	BSEB  SIKKIM  NLDC  JSEB  NLDC  NLDC

492	At Arambag : 125 MVAR Bus Reacor	17/02/20	06:00	17/02/20	15:00	ODB	WB	Winter Maintenance		
	132KV Bay(Bay 104) of Rangpo-II Line at Gangtok	17/02/20	09:00	17/02/20	14:00	ODB	ER-II, POWERGRID	For AMP work		
494	201 Bay (220KV ICT-1 Main bay ) at Durgapur	17/02/20	09:30	17/02/20	17:30	ODB	ER-II, POWERGRID	AMP works	ICT-1 shall remain service through 202 TBC Bay	
495	220 KV TARKERA#1 LINE BAY (210L)	17/02/20	09:00	17/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
496	80MVAR B/R-1 TIE Bay (40708 Bay)	17/02/20	09:00	17/02/20	18:00	ODB	ER-II/Odisha/Balangir	AMP for 40708 52CB and 40708 CT		
497	220KV Bus Coupler 207 Bay	17/02/20	09:00	18/02/20	18:00	ODB	ER-II/Odisha/Keonjhar	AMP Work and Rectification of CB found faulty timing & DCRM graphs. Shutdown shall be taken if not availed in JAN'20.		
	705 Tie Bay ( 765 kV BR-II & 765 KV ICT-II ) at Gaya	17/02/20	09:00	17/02/20	18:00	ODB	ER-I	For AMP work	NLDC	
	400kv Main Bay of Bus Reactor 1 at Biharsharif	17/02/20	11:00	17/02/20	13:00	ODB	POWERGRID ER-I	Conpressor Overhauling of CB		
	406 Bay(315 MVA ICT-2 Main Bay) AT DALTONGANJ	17/02/20	09:30	17/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP		
501	Main bay of PPSP CKT-I I(Bay no-422) AT 765/400 KV NEW RANCHI 417 Tie bay Balia-2 AT PATNA	17/02/20	09:00 09:00	17/02/20 18/02/20	17:00 18:00	ODB	POWERGRID ER-I POWERGRID ER-I	AMP	NLDC	
502	417 He Day Balla-2 AT PATNA	17/02/20	09.00	18/02/20	18.00	ОСВ	POWERGRID ER-I	BCU updration works under SS03 package		
503	400kV Tie Bay of DSTPS-Jamshedpur Ckts	17/02/20	08:30	22/02/20	17:00	ОСВ	400kV DSTPS S/Y, DVC	1.0/H activities including testing on CTs,CVTs,CBs     2.Replacement of damaged/defective gland plates in CT JBs		
504	220KV ALIPURDUAR-WBSETCL-1	18/02/20	08:00	18/02/20	17:00	ODB	ER-II, POWERGRID	Bay AMP Work	WB	
505	400KV Maithon-Kahalgaon I	18/02/20	08:00	19/02/20	18::00	ODB	ER-II, POWERGRID	Bay upgradation work: connection of jumper and bay stability checking etc after upgradation of Main Bay equipment under ERSS-XVII		
506	220KV/132KV ICT-IV at MALDA	18/02/20	08:00	18/02/20	17:00	ODB	ER-II, POWERGRID	Implementation of NIFS system	WB	
507	220 KV D/C Arambag - Damjur TL	18/02/20	08:00	20/02/20	17:00	ODB	ER-II, POWERGRID	Stringing b/w AP 35/0 to 36/0 of 765 KV Medinipur Jeerat TL Over existing 220 KV D/C Arambag - Damjur TL	WB	
508	220 KV S/C Arambag - Rishra TL	18/02/20	08:00	20/02/20	17:00	ODB	ER-II, POWERGRID	Stringing b/w AP 36/0 to 37/0 of 765 KV Medinipur Jeerat TL Over existing 220 KV S/C Arambag - Rishra TL	WB	
509	400 KV S/C Sagardighi - Jeerat TL	18/02/20	08:00	19/02/20	17:00	ODB	ER-II, POWERGRID	Stringing b/w AP 149/0 to 150/0 of 765 KV Medinipur Jeerat TL over existing 400 KV S/C Sagardighi - Jeerat TL	WB	
510	125 MVAR Bus Reactor # 2	18/02/20	09:00	18/02/20	17:00	ODB	ER-II/Odisha/Rengali	AMP Work		
511	765KV Sundargarh-Angul ckt-2	18/02/20	09:00	18/02/20	12:00	ODB	ER-II/Odisha/Sundergarh	Line Jumper Modification work from Quad to twin work	NLDC	
512	220KV BUS -2 AT PURNEA	18/02/20	09:00	18/02/20	17:00	ODB	POWERGRID ER-1	AMP WORK		
513	400 KV MAIN BUS-1 AT 400/220 KV RANCHI	18/02/20	9:30	18/02/20	17:00	ODB	POWERGRID ER-I	STABILITY TEST FOR BUS BAR PROTECTION OF 429 BAY (TIE BAY OF RNC-RNC-2 AS COMMISSIONING TEST).	JSEB	
514	400 KV RANCHI-RANCHI-2 TL	18/02/20	9:00	18/02/20	17:30	ODB	POWERGRID ER-I	STABILITY TEST FOR BUS BAR PROTECTION OF 429 BAY (TIE BAY OF RNC-RNC-2 AS COMMISSIONING TEST). A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE		
515	400/220 KV 500MVA ICT-3 AT PATNA	18/02/20	09:00	18/02/20	18:00	ODB	POWERGRID ER-I	AMP	BSEB	
516	209 Bay (220KV ICT-2 main bay) at Durgapur	18/02/20	09:30	18/02/20	17:30	ODB	ER-II, POWERGRID	AMP works	ICT-2 shall remains service throught 210 TBC Bay	
517	765KV BR-2 & ICT-4 TIE BAY 714	18/02/20	10:00	18/02/20	17:00	ODB	ER-II/Odisha/Angul SS	AMP Work	NLDC	
518	407R52- Duburi Line Reactor Bay	18/02/20	09:00	18/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
519	710 Main Bay of 765KV Sundargarh-Angul ckt-3	18/02/20	09:00	21/02/20	18:00	OCB	ER-II/Odisha/Sundergarh	SIEMENS Centre guide valve modification work in Mechanism drive and AMP	NLDC	
	706 Main Bay (765/400 kV ICT-II ) at Gaya	18/02/20	09:00	18/02/20	18:00	ODB	ER1	For AMP work	NLDC	
	400kv Main Bay of 400/220kv 315MVA ICT 2 at Biharsharif 400kV Main bay of AC filter East Side (CWD50Q52)	18/02/20 18/02/20	11:00 09:00	18/02/20 18/02/20	13:00 18:00	ODB ODB	POWERGRID ER-I POWERGRID ER-I	Conpressor Overhauling of CB  AMP work		
	407 Bay(Sasaram Line-1 main bay) AT DALTONGANJ	18/02/20	09:00	18/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP		
	At Arambag : 400 KV Bus -Coupler Bay	18/02/20	06:00	18/02/20	15:00	ODB	WB	Winter Maintenance		
525	400KV Rangpo-Teesta-v Ckt-2	19/02/20	08:00	23/02/20	17:00	OCB	ER-II, POWERGRID	For rectification of SF6 gas leakage repair work,	TEESTA-V	
	220KV ALIPURDUAR-WBSETCL-2	19/02/20	08:00	19/02/20	17:00	ODB	ER-II, POWERGRID	Bay AMP Work	WB	
	220 KV PG(Maithon)-Dhanbad I&II	19/02/20	08:00	20/02/20	18::00	ОСВ	ER-II, POWERGRID	PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line	DVC	
528	400KV Maithon - Jamshedpur	19/02/20	08:00	24/02/20	18:00	ODB	ER-II, POWERGRID	Insulator Replacement work		
	220 KV D/C Arambagh-Damjur TL	19/02/20	08:00	19/02/20	17:00	ODB	ER-II, POWERGRID	Stringing b/w AP 35/0 to 36/0 of 765 KV D/C Medinipur- Jeerat TL over existing 220 KV D/C Arambagh-Damjur Transmission line (WBSETCL)	WB	
	3x110 MVAR 765 kV BUS Reactor II	19/02/20	09:00	19/02/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP Work	NLDC	
	80 MVAR BUA REACTOR-1	19/02/20	09:00	19/02/20	18:00	ODB	ER-II/Odisha/Balangir	AMP for 80MVAR B/R-1		
532		19/02/20	10:00	20/02/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment and AMP WORK	NLDC	
	765 kV Fatehpur-Sasaram-s/c	19/02/20	08:00	20/02/20	18:00	OCB	POWERGRID NR-3	For Tower rectification work at Location no. 326 Fixing of Stool in Yph Bus-II CVT & AMP. During the S/D, all		
534	400 KV MAIN BUS-2 AT 400/220 KV RANCHI	19/02/20	9:30	19/02/20	17:00	ODB	POWERGRID ER-I	Lines and equipements will remain Chraged through Bus-lexcept 400 kv RNC-NRNC-1 & 2 line.	JSEB	

							To facilitate the c/d of Bus II at Banchi, due to unability of		
535 400 KV RANCHI-RANCHI-1 TL	19/02/20	9:30	19/02/20	17:00	ODB	POWERGRID ER-I	To facilitate the s/d of Bus-II at Ranchi due to unability of tie bay at Ranchi.		
536 400 KV RANCHI-RANCHI-2 TL	19/02/20	9:30	19/02/20	17:00	ODB	POWERGRID ER-I	To facilitate the s/d of Bus-II at Ranchi due to unability of tie bay at Ranchi.		
537 400 KV PPSP L/R-2 AT 765/400 KV NEW RANCHI	19/02/20	09.:00	19/02/20	17:00	ODB	POWERGRID ER-I	AMP		
538 400 KV BUS-1 AT MUZAFFARPUR	19/02/20	9:30	20/02/20	17:30	ODB	POWERGRID ER-I	BUS AMP WORK	BSEB	
539 400 kV Barh-Kahalgaon CKT I	19/02/20	09:00	19/02/20	17:30	ODB	POWERGRID ER-I	Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE		
540 401 Bay (Main Bay of Berhampore-Bheramara-2 ) at BAHARAMPORE	19/02/20	09:00	19/02/20	17:00	ODB	ER-II, POWERGRID	Circuit Breaker Maintenance		
541 204 Bay ( 220 KV DVC-2 line Main bay) at Durgapur	19/02/20	09:30	19/02/20	17:30	ODB	ER-II, POWERGRID	AMP works	DVC-2 line shall remain service through 202 TBC Bay	
542 400 KV TALCHER#1 LINE BAY (406L)	19/02/20	09:00	19/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS		
543 201main bay of 220KV Baripada-Balasore Line -1	19/02/20	09:00	19/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
544 220KV 204 Bay (Future line bay) 545 709 Main Bay (765/400 kV ICT-III ) at Gaya	19/02/20	09:00	19/02/20	18:00 18:00	ODB	ER-II/Odisha/Keonjhar FR-I	AMP Work and Rectification of CB found faulty timing .  Shutdown shall be taken if not availed in JAN'20.  For AMP work	AUDC.	
546 400kv TIE Bay of 315MVA ICT-2 and B/R 3 at Bihar sharif	19/02/20 19/02/20	09:00 11:00	19/02/20 19/02/20	13:00	ODB	POWERGRID ER-I	Conpressor Overhauling of CB	NLDC	
547 Main Bay of 400kV Kishanganj-1 (407-52) at New Purnea	19/02/20	09:00	19/02/20	12:00	ODB	POWERGRID ER-I	CT Oil Sampling		
Tie Bay of 400kV Kishanganj-1 & Muzaffarpur-2 (408-52) at New							, , , , , , , , , , , , , , , , , , ,		
Purnea	19/02/20	12:00	19/02/20	15:00	ODB	POWERGRID ER-I	CT Oil Sampling		
549 Main Bay of 400kV Muzaffarpur-2(409-52) at New Purnea	19/02/20	15:00	19/02/20	18:00	ODB	POWERGRID ER-I	CT Oil Sampling		
550 400KV CWD10Q50 Bay (Tie Bay of Ac filter north side and Converter transformer north Side)	19/02/20	09:00	22/02/20	18:00	OCB	POWERGRID ER-I	Overhauling of CWD10Q50-Y phase Pole		
551 400kV Tie Bay of Varanasi Line (CWD30Q50)	19/02/20	09:00	19/02/20	18:00	ODB	POWERGRID ER-I	AMP work		
552 408 Bay(Tie bay of Sasaram line-1 & ICT-1) AT DALTONGANJ	19/02/20	09:30	19/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP		
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553 418 Barh-1 main bay AT PATNA	19/02/20 19/02/20	09:00	20/02/20 19/02/20	18:00 15:00	OCB ODB	POWERGRID ER-I WB	BCU updration works under SS03 package		
554 At Arambag : 400 KV TBC Bay 555 132KV Rangit-Rammam Line	20/02/20	06:00 10:00	20/02/20	16:00	ODB	ER-II, POWERGRID	Winter Maintenance Rectification of Damaged Conductor top Ph loc 95-96	WB	
556 400kV BUS-1 AT BAHARAMPORE	20/02/20	09:00	20/02/20	17:00	ODB	ER-II, POWERGRID	Construction Activity of 400KV Baharampore-Bheramara	NLDC	
557 400 KV Durgapur -Jamshedpur S/C-I	20/02/20	10:00	20/02/20	18:00	ODB	ER-II, POWERGRID	Project-II Replacement of broken insulator by Miscreants.		
558 220 KV D/C Arambagh-Damjur TL	20/02/20	08:00	20/02/20	17:00	ODB	ER-II, POWERGRID	Stringing b/w AP 35/0 to 36/0 of 765 KV D/C Medinipur- Jecrat TL over existing 220 KV D/C Arambagh-Damjur Transmission line (WBSETCL)	WB	
559 220 KV D/C Jeerat - Dharampur TL	20/02/20	08:00	21/02/20	17:00	ODB	ER-II, POWERGRID	Stringing b/w AP 43/0 to 44/0 of 400 KV Jeerat(New)- Jeerat TL over existing 220 KV D/C Jeerat - Dharampur TL	WB	
560 COUP Transformer (3x 166.7 MVA) at Jeypore	20/02/20	10:00:00	20/02/20	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		
561 400 KV Rengali-Indravati Line	20/02/20	08:00	20/02/20	17:00	ODB	ER-II/Odisha/Rengali	To attend S/D nature Defects	NLDC	
562 400KV Sundargarh-OPGC ckt-1 563 400 kV Bus Reactor-II at Gaya	20/02/20 20/02/20	09:00 09:00	20/02/20 20/02/20	20:00 18:00	ODB ODB	ER-II/Odisha/Sundergarh ER-I	AMP OF GIS BAYS For AMP work	GRIDCO	
564 (NON SWITCHABLE) 80 MVAR LINE REACTOR of 400 KV RANCHI-SIPAT-2 LINE (NON SWITCHABLE)	20/02/20	9:30	20/02/20	17:00	ODB	POWERGRID ER-I	AMP OF L/R. Hence the L/R is not Switchable, So for Isolation of L/R and charging after AMP work, the line will switched off for 20mintues in two occaions each. During S/d of L/R, the line may be taken into service without L/R	NLDC	
565 400 KV RANCHI-SIPAT-2	20/02/20	9:30	20/02/20	9:50	ODB	POWERGRID ER-I	for Isolation of 80 MVAR Line Reactor at Ranchi for AMP	NLDC	
566 400 KV RANCHI-SIPAT-2	20/02/20	16:40	20/02/20	17:00	ODB	POWERGRID ER-I	For taking 80 MVAR Line Reactor at Ranchi into service after AMP work.	NLDC	
567 400KV CBSA KGP 1 LINE AT CHAIBASA	20/02/20	9:30	20/02/20	17:30	ODB	POWERGRID ER-I	Retrofitting of RTD for online monitoring of WTI & OTI temperature		
568 400 kV Barh-Kahalgaon CKT II	20/02/20	09:00	20/02/20	17:30	ODB	POWERGRID ER-I	Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE		
569 132 KV Bay(Bay 105) of Rangpo-I Line at Gangtok	20/02/20	09:00	20/02/20	14:00	ODB	ER-II, POWERGRID	For AMP work		
570 A17 Pay/ICT 3 Tio Pay ) of Durgoous	20/02/20	09:30	20/02/20	17:30	ODB	ER-II, POWERGRID	AMP Works	ICT-2 shall remains service throught	
417 Bay(ICT-2 Tie Bay ) at Durgapur  571 400 KV TIE BAY OF 125 MVAR BR2 & SNG#4 (426)	20/02/20	09:00	20/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	AMP WORKS	418 Main Bay	
572 765KV BR-2 MAIN BAY 715	20/02/20	10:00	20/02/20	17:00	ODB	ER-II/Odisha/Angul SS	AMP Work	NLDC	
573 211 bay(220KV side of 500MVA ICT #3)	20/02/20	09:00	20/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
574	20/02/20	09:00	20/02/20	18:00	ODB	ER-II/Odisha/Keonjhar	AMP Work and Rectification of CB found faulty timing .		
220KV OPTCL-II 206 Bay 575 400kv Main Bay of Banka 1 at Biharsharif	20/02/20	11:00	19/02/20	13:00	ODB	POWERGRID ER-I	Shutdown shall be taken if not availed in JAN'20. Conpressor Overhauling of CB		
5.5   main bay or banks 2 at binaration	20/02/20	11.00	13/02/20	25.00	220	. O C O . I . I	Table and a secondaring or co	I .	

								la		
576	400KV TIE Bay of Banka 1 and Banka 2 at Bihar sharif	20/02/20	11:00	20/02/20	13:00	ODB	POWERGRID ER-I	Conpressor Overhauling of CB		
577	Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea	20/02/20	09:00	20/02/20	12:00	ODB	POWERGRID ER-I	CT Oil Sampling		
	Main Bay of 400kV Muzaffarpur-1(412-52) at New Purnea	20/02/20	12:00	20/02/20	15:00	ODB	POWERGRID ER-I	CT Oil Sampling		
579	Tie Bay of 400kV Kishanganj-2 & Muzaffarpur-1 (411-52) at New	20/02/20	15:00	20/02/20	18:00	ODB	POWERGRID ER-I	CT Oil Sampling		
	Purnea							· · ·		
	400kV Tie Bay of Allahabad Line (CWD20Q50)	20/02/20	09:00	20/02/20	18:00	ODB	POWERGRID ER-I	AMP work		
	409 Bay(Main bay of 315 MVA ICT-1) AT DALTONGANJ	20/02/20	09:30	20/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP	CILLIZA CILENI	
	132KV RANGPO-CHUZACHEN-1	21/02/20	09:00	21/02/20	18:00	ODB	ER-II, POWERGRID	AMP Works  Construction Activity of 400KV Baharampore-Bheramara	CHUZACHEN	
583	400kV BUS-2 AT BAHARAMPORE	21/02/20	09:00	21/02/20	17:00	ODB	ER-II, POWERGRID	Project-II	NLDC	
								PL Crossing during Re-conductoring work of Maithon -		
584	132KV S/C Maithan Hydel - Jamtara	21/02/20	08:00	22/02/20	18:00	OCB	ER-II, POWERGRID	Right Bank # I Line	JSEB	
585	125 MVAR 400 kV Bus Reactor 2	21/02/20	09:00	21/02/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP Work		
	400KV 80MVAR Bus Reactor 2 at BiharSharif	21/02/20	10:00	22/02/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment and AMP WORK		
	765 KV -B/R-1 AT 765/400 KV NEW RANCHI	21/02/20	9:00	21/02/20	17:00	ODB	POWERGRID ER-I	AMP	NLDC	
588	220 KV BUS-1 AT MUZAFFARPUR	21/02/20	9:30	22/02/20	17:30	ODB	POWERGRID ER-I	BUS AMP WORK	BSEB	
	400 kV Meramundali - Vedanta Ckt-I 220kV BUS Coupler Bay (202)	21/02/20 21/02/20	08:00 08:00	21/02/20 21/02/20	17:00 18:00	ODB ODB	GRIDCO ER-II/Odisha /Jeypore	For line & bay maintenance work  AMP of 202 Bay (Bus Coupler Bay)		
	125MVAR BUS REACTOR-2 Tie Bay( 40506 Bay)	21/02/20	09:00	21/02/20	18:00	ODB	ER-II/Odisha/Balangir	AMP for 40506 52CB & 40506 CT		
592	10852- 132KV Bangriposi Line Main Bay	21/02/20	09:00	21/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
593	724 Main Bay of 765KV Sundargarh-Dharamjaygarh ckt-2							SIEMENS Centre guide valve modification work in Mechanism		
593		21/02/20	09:00	25/02/20	18:00	OCB	ER-II/Odisha/Sundergarh	drive and AMP	NLDC	
594		21/02/20	09:00	21/02/20	18:00	ODB	ER-II/Odisha/Keonjhar	AMP Work and Rectification of CB found faulty timing .		
	220KVTBC 201 Bay						-	Shutdown shall be taken if not availed in JAN'20.		
595	400KV Main Bay Banka 2 , at Biharsharif  Main Bay of 400kV Malda-2 (413-52) at New Purnea	21/02/20 21/02/20	11:00 09:00	21/02/20 21/02/20	13:00 13:00	ODB ODB	POWERGRID ER-I POWERGRID ER-I	Conpressor Overhauling of CB CT Oil Sampling		
	Tie Bay of 400kV Malda-2 & Bus Reactor-1 (414-52) at New							CT Oil Sampling		
597	Purnea	21/02/20	14:00	21/02/20	17:00	ODB	POWERGRID ER-I	CT Oil Sampling		
598	410 Bay(Main bay of Sasaram Line-2 bay) AT DALTONGANJ	21/02/20	09:30	21/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP		
599	411 Nabinagar-1 Tie bay AT PATNA	21/02/20	09:00	21/02/20	18:00	ODB	POWERGRID ER-I	AMP		
								Stringing at crossing between Loc. No. 13/0 - 14/0 of		
600	400KV Alipurduar - New Siliguri D/C (QUAD) Line (STERLITE)	22/02/20	00:00	25/02/20	00:00	ODB	ER-II, POWERGRID	Jigmeling line and loc. No. 292-293 of Sterlite Line		
		/ /	00.00	/ /	47.00					
601	400 KV Main Bus -I at Subhasgram	22/02/20	09:00	22/02/20	17:00	ODB	ER-II, POWERGRID	AMP of 400 KV Main Bus -I at Subhasgram SS FOR TAKING THE LINE REACTOR OUT OF SERVICE FOR	WB	
602	400 KV Rourkela-SUNDARGARH#3 LINE	22/02/20	10:00	22/02/20	13:00	ODB	ER-II/ODISHA/ROURKELA	GASKET REPLACEMENT & OVERHAULING WORKS TO		
002	100 KV Kodikela Sotto/Moralino Ente	22/02/20	10.00	22/02/20	15.00	000	EN II/ODISTIA/NOONKEEA	ARREST OIL LEACKAGES		
								GASKET REPLACEMENT & OVERHAULING WORKS TO		
603	63 MVAr, 400 KV SUNDARGARH#3 LINE REACTOR	22/02/20	10:00	07/03/20	13:00	ОСВ	ER-II/ODISHA/ROURKELA	ARREST OIL LEACKAGES		
	125 MVAr Bus Reactor	22/02/20	09:00	22/02/20	18:00	ODB	ER-II/Odisha /Jeypore	AMP of 125 MVAr Bus Reactor		
	220 kV Bus-1	22/02/20	09:00	22/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Isolator allignment work	GRIDCO	
606	765 KV GAYA-BALIA-S/C	22/02/20	09:00	29/02/20	18:00	ODB	ER1	FOR STRENGTHENING OF 765 KV LINE TOWER	NLDC	
607	50 MVAR LINE REACTOR of 400 KV RANCHI-MAITHAN RB-1 LINE (SWITCHABLE )	22/02/20	9:30	22/02/20	17:00	ODB	POWERGRID ER-I	AMP. LINE WILL REMAIN CHARGE WITHOUT LINE REACTOR		
	,							Interconnection of Extension Bus ( By POWERGRID)to		
608	400 KV Bus 1 AT MOTIHARI	22/02/20	08:00	23/02/20	18:00	OCB	POWERGRID ER-I	existing Bus (DMTCL)	DMTCL	
609	220kV Jamshedpur-Jindal Tie	22/02/20	08:00	22/02/20	17:30	ODB	GOMD-III, DVC, Jamshedpur	Hardware Checking work at loc no.227,234,235,240	GRIDCO	
610	66 KV Bay(Bay 606) of Lagyap(LLHP) Line at Gangtok	22/02/20	09:00	22/02/20	14:00	ODB	ER-II, POWERGRID	For AMP work		
	765KV SKLM CKT-1, TIE BAY 728	22/02/20	09:00	22/02/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP Work	NLDC	
	416 Main Bay (400 kV ICT-I ) at Gaya	22/02/20	09:00	22/02/20	18:00	ODB	ER-I	For AMP work		
	Main Bay of 400kV Bus Reactor-1 (415-52) at New Purnea	22/02/20	09:00	22/02/20	12:00	ODB ODB	POWERGRID ER-I	CT Oil Sampling	-	
	Main Bay of 400kV Malda-1 (416-52) at New Purnea Tie Bay of 400kV Malda-1 & Bus Reactor-2 (417-52) at New	22/02/20	12:00	22/02/20	15:00		POWERGRID ER-I	CT Oil Sampling	<u> </u>	
615	Purnea	22/02/20	15:00	22/02/20	18:00	ODB	POWERGRID ER-I	CT Oil Sampling		
616		22/02/20	09:00	22/02/20	0.75	OCB	POWERGRID ER-I	AMP &CB Overhauling & BCU updration works under SS03		
616	205 bay Bus coupler AT PATNA	22/02/20	09:00	23/02/20	0.75	OCR	POWERGKID EK-I	package		
617	400KV Maithon-Right Bank #II	23/02/20	08:00	08/03/20	18:00	ОСВ	ER-II, POWERGRID	Re conductoring work	MPL	Subject to availability of rest 3
		,,	10000	,,			,		-	lines
618	A/R of 400KV Maithon-Right Bank #I	23/02/20	08:00	08/03/20	18:00	ODB	ER-II, POWERGRID	MTN RB Ckt-I will be kept in NON-Auto during Re		
	220 KV Main Bus-I at Subhasgram	23/02/20	09:00	23/02/20	17:00	ODB	ER-II, POWERGRID	conductoring in MTN RB Ckt-II for safety measure.  AMP of 220 KV Main Bus-I at Subhasgram SS	WB	
	63 MVAr Bus Reactor	23/02/20	09:00	23/02/20	18:00	ODB	ER-II, POWERGRID  ER-II/Odisha /Jeypore	AMP of 63 MVAr Bus Reactor & CSD testing	WU	
	80 MVAR Bus Reactor at Duburi SS	23/02/20	09:00	23/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works	GRIDCO	
	765kV/400kV ,1500MVA ICT-3	23/02/20	08:30	23/02/20	20:00	ODB	ER-II/Odisha/Sundergarh	Spare Changeover & LA Stool arrangement work	NLDC	
623	400KV 125VAR Bus Reactor 4 at Biharshariff	23/02/20	10:00	24/02/20	18:00	ODB	POWERGRID ER-I	Relay Retrofitment and AMP WORK		
624	400KV Pusauli- Daltonganj Line-1	23/02/20	9:00	14/03/20	18:00	ОСВ	POWERGRID ER-I	Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C		
324	100KT Labour Darrongung Eme-1	23,02,20	5.00	17,03,20	10.00		1 OWENDRID ENT	Line having crictical leg bend		
625	400KV Pusauli-Nabinagar Line-1	23/02/20	9:00	26/03/20	18:00	ОСВ	POWERGRID ER-I	Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C		
				-,, -				Line having crictical leg bend	<del> </del>	
626	50 MVAR LINE REACTOR of 400 KV RANCHI-MAITHAN RB-2 LINE (SWITCHABLE )	23/02/20	9:30	23/02/20	17:00	ODB	POWERGRID ER-I	AMP. LINE WILL REMAIN CHARGE WITHOUT LINE REACTOR		
	LINE (SWITCHABLE)						l .	INCHOIN	1	

627	400KV Baripada-Keonjhar Line	23/02/20	09:00	23/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	Replacement of faulty insulator		
628	220KV Main Bay of 400/220kv 315MVA ICT 3 at Biharsharif	23/02/20	11:00	23/02/20	13:00	ODB	POWERGRID ER-I	Conpressor Overhauling of CB		
629	411 Bay(Sasaramm line-2 tie bay) AT DALTONGANJ	23/02/20	09:30	23/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP		
	132KV S/C Maithan Hydel - Jamtara	24/02/20	08:00	25/02/20	18:00	ОСВ	ER-II, POWERGRID	PL Crossing during Re-conductoring work of Maithon - Right Bank # II Line	JSEB	
631	220 KV Main Bus-II at Subhasgram	24/02/20	09:00	24/02/20	17:00	ODB	ER-II, POWERGRID	Remaining AMP of 220 KV Main Bus-II at Subhasgram SS	WB	
632	220 KV S/C Arambagh-Rishra TL	24/02/20	08:00	24/02/20	17:00	ODB	ER-II, POWERGRID	Stringing b/w AP 36/0 to 37/0 of 765 KV D/C Medinipur- Jeerat TL over existing 220 KV S/C Arambagh-Rishra Transmission line (WBSETCL)	WB	
633	400kV D/C IB-OPGC-Jharsuguda(Sundargarh) Ckt-1	24/02/20	09:00	24/02/20	18:00	ODB	OGPTL	AMP Work		
634	Bus bar-1 at indravati	24/02/20	09:00	24/02/20	18:00	ODB	ER-II/Odisha/Indravati	AMP works of Bus-1	GRIDCO	
635	220KV Balangir-Kantapali line	24/02/20	09:00	24/02/20	18:00	ODB		AMP for 203 52CB & 203 CT	GRIDCO	
636	765kV/400kV ,1500MVA ICT-4	24/02/20	08:30	24/02/20	20:00	ODB	ER-II/Odisha/Sundergarh	Spare Changeover & LA Stool arrangement work	NLDC	
637	765 KV Sundargarh-NTPC (Darlipali) #2	24/02/20	8:00	24/02/20	18:00	ODB	ER- II/ODISHA/SUNDERGARH	TL Maintenance works	NLDC	
638	80MVAR Bus Reator 400/220kv 500MVA ICT-2 at New Purnea	24/02/20 24/02/20	09:00 12:00	24/02/20 24/02/20	18:00 15:00	ODB	ER-II/Odisha/Keonjhar POWERGRID ER-I	Fne tuning of CSD of Tie Bay		
	400/220 KV 315 MVA ICT-1 AT RANCHI	24/02/20	9:30	28/02/20	17:00	ODB OCB	POWERGRID ER-I	CT Oil Sampling of 220kv bay  Backup impedance relay installation (GE) & Replacement of 01 No 220 KV (Y-Ph) & 3 Nos 33 KV (R, Y & BPh)  Bushings. 315 MVA ICT-1 WILL BE UNDER S/D SO LOAD WILL BE RESTRICTED TO 250 MW TO JUSNL THROUGH 315 MVA ICT-2.	JSEB	SUBJECT TO GENERATION AVAILABILITY AT TENUGHAT
641	765 KV B/R-2 AT 765/400 KV NEW RANCHI	24/02/20	09.:00	24/02/20	17:00	ODB	POWERGRID ER-I	AMP	NLDC	
	400 KV Bus 2 AT MOTIHARI	24/02/20	08:00	25/02/20	18:00	ОСВ	POWERGRID ER-I	Interconnection of Extension Bus ( By POWERGRID)to existing Bus (DMTCL)	DMTCL	
643	400KV Baripada-Keonjhar Line	24/02/20	09:00	24/02/20	17:30	ODB		Replacement of faulty insulator		
	66 KV Bay(Bay 605) of Bulbulay Line at Gangtok	24/02/20	09:00	24/02/20	14:00	ODB	ER-II, POWERGRID	For AMP work		
	765KV SKLM CKT-2, MAIN BAY 726	24/02/20	09:00	24/02/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP work	NLDC	
	404-main bay of 80MVAR Bus Reactor at Duburi SS	24/02/20	09:00	24/02/20	17:30 12:00	ODB ODB	ER-II/Odisha/BARIPADA S/S POWERGRID ER-I	AMP works		
	Main Bay of 400kV Farakka (419-52) at New Purnea  Main Bay of 400kV Gokarna (422-52) at New Purnea	24/02/20 24/02/20	09:00 15:00	24/02/20 24/02/20	18:00	ODB	POWERGRID ER-I	CT Oil Sampling CT Oil Sampling		
	400kV Main bay of AC filter North Side (CWD10Q52)	24/02/20	09:00	24/02/20	18:00	ODB	POWERGRID ER-I	AMP work		
	412 Bay(Main bay of 80 MVAR Bus Reactor) AT DALTONGANJ	24/02/20	09:30	24/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP		
651	208 bay main bay sipara 1 AT PATNA	24/02/20	09:00	25/02/20	18:00	ОСВ	POWERGRID ER-I	AMP &CB Overhauling & BCU updration works under SS03 package		
652	220 KV BIRPARA-NEW SILIGURI Ckt-I	25/02/20	08:00	25/02/20	17:30	ODB	ER-II, POWERGRID	Rectification of Damage Conductor, Displaced VD, Loose A/H		
653	400KV Mejia - Jamshedpur	25/02/20	08:00	29/02/20	18:00	ODB	ER-II, POWERGRID	Insulator Replacement work	DVC	
654	400kV Bus-III AT MAITHON	25/02/20	10:00	25/02/20	19:00	ODB	ER-II, POWERGRID	Dismantlinh work of Bus isolator of 400kV RB-2 under ERSS-XVII project work		
655	400 KV Jeerat Sagardighi Line	25/02/20	09:00	25/02/20	17:00	ODB	ER-II, POWERGRID	A/R relay Retrofitting and Testing in 400 KV Jeerat Sagardighi Line.	WB	
656	220 KV S/C Arambagh-Rishra TL	25/02/20	08:00	25/02/20	17:00	ODB	ER-II, POWERGRID	Stringing b/w AP 36/0 to 37/0 of 765 KV D/C Medinipur- Jeerat TL over existing 220 KV S/C Arambagh-Rishra Transmission line (WBSETCL)	WB	
	400 KV S/C Berhampore - Jeerat TL	25/02/20	08:00	26/02/20	17:00	ODB		Stringing b/w AP 138/0 to 139/0 of 765 KV Medinipur Jeerat TL over existing 400 KV S/C Berhampore - Jeerat TL	WB	
658	400kV D/C IB-OPGC-Jharsuguda(Sundargarh) Ckt-2	25/02/20	09:00	25/02/20	18:00	ODB	OGPTL	AMP Work		
659	400 KV Rourkela-SUNDARGARH#3 LINE	25/02/20	09:00	25/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	FOR DISMANTALING OF REACTOR BUSHINGS (SHUTDOWN BEING AVAILED AS CLEARANCE IS LESS)		
660	765KV BUS-1	25/02/20	09:00	25/02/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP work	NLDC	
661	400/220KV ICT#2	25/02/20	09:00	25/02/20	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	
662	765KV Sundergarh-Raipur ckt-1 along with its LR	25/02/20	08:30	25/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	MAIN2 RELAY MODIFICATION WORK & ISOLATOR ALLIGNMENT WORK	NLDC	
	765 KV Sundargarh-NTPC (Darlipali) #1	25/02/20	8:00	25/02/20	18:00	ODB	ER- II/ODISHA/SUNDERGARH	TL Maintenance works	NLDC	
664	400KV CBSA KGP 2 LINE AT CHAIBASA	25/02/20	9:30	25/02/20	17:30	ODB	POWERGRID ER-I	Top up of transformer Oil in 63 Mvar Line reactor.		
	220 KV BUS-2 AT MUZAFFARPUR 400KV ICT#2 Main Bay (403) at OHPC S/Y	25/02/20 25/02/20	9:30	26/02/20 25/02/20	17:30	ODB ODB	POWERGRID ER-I  ER-II/Odisha/Indravati	BUS AMP WORK  AMP works of 400KV ICT#2 Main Bay (403) at OHPC S/Y. During this shutdown Power flow from ICT#2 will be Interrupted.	BSEB	
667	220KV ICT#2 Main Bay (205) at OHPC S/Y	25/02/20	09:00:00	25/02/20	18:00:00	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.		
	40304-Tie bay of Duburi-BPD line & Bus Reactor at Duburi SS	25/02/20	09:00	25/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works		
669	400 KV, 125 MVAR BR # 1 Main Bay (Bay No-410)	25/02/20	09:00	25/02/20	17:00	ODB	ER-II/Odisha/Rengali	AMP Work		I

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670 400KV 404 BAY AMP	25/02/20	09:00	25/02/20	18:00	ODB	ER-II/Odisha/Keonjhar	AMP WORKS.Shutdown shall be taken if not availed in JAN'20.	
671 415 Main Bay (400 kV Chandwa-Gaya Ckt -I ) at Gaya	25/02/20	09:00	25/02/20	18:00	ODB	ER-I	For AMP work	
							CT Oil Sampling	
672 Tie Bay of 400kV Farakka &Biharshariff-2 (420-52) at New Purnea	25/02/20	09:00	25/02/20	12:00	ODB	POWERGRID ER-I		
673 400kV Main Bay of HVDC (CWD50Q51)	25/02/20	09:00	25/02/20	18:00	ODB	POWERGRID ER-I	AMP work	
674 210 Bay(Latehar Line-2 Bay) AT DALTONGANJ	25/02/20	09:30:00	25/02/20	17:30:00	ODB	POWERGRID ER-I	Bay AMP	
675 220 KV Alipurduar - Birpara Ckt II	26/02/20	00:00	27/02/20	00:00	ODB	ER-II, POWERGRID	CLR Insulator replacement in Crossings	
676 220 KV BIRPARA-NEW SILIGURI Ckt-II	26/02/20	08:00	26/02/20	17:30	ODB	ER-II, POWERGRID	Rectification of Damage Conductor, Displaced VD, Loose	
O/O EEO NY BINI / WON NEW SIELOONI ONE II	20,02,20		20,02,20			En ii, i e ii e ii e ii	A/H	
677 220 KV Maithon-Dhanbad I&II	26/02/20	08:00	27/02/20	18::00	ОСВ	ER-II, POWERGRID	PL Crossing during Re-conductoring work of Maithon -	DVC
			* * * * *			, -	Right Bank # IILine	-
670 422 W D (6 1 T)	26/02/20	00.00	27/02/20	17.00	000	ED II DOWEDOND	ringing b/w AP 24/0 to 25/0 of 400 KV Jeerat(New)-	
678 132 KV D/C Jeerat - Bonga TL	26/02/20	08:00	27/02/20	17:00	ODB	ER-II, POWERGRID	Subhasgram TL over existing 132 KV D/C Jeerat - Bonga TL	WB
220 KV Bus #1 with Siliguri #1, ICT#1, Birpara#1 & Bus							Commissioning of Bus #1 Bus bar protection for ICT#3	
679 Section-I at Binaguri	26/02/20	09:00	27/02/20	17:00	ODB	ER-II, POWERGRID	ERSS-XVII	WB
680 400 KV Rourkela-SUNDARGARH#2 LINE	26/02/20	09:00	26/02/20	18:00	ODB	ER-II/ODISHA/ROURKELA	LINE AMP WORKS	
							MAIN2 RELAY MODIFICATION WORK & ISOLATOR	
681 765KV Raipur ckt-2 along with its LR	26/02/20	08:30	26/02/20	18:00	ODB	ER-II/Odisha/Sundergarh	ALLIGNMENT WORK	NLDC
682 400 kV Meramundali - Vedanta Ckt-II	26/02/20	08:00	26/02/20	17:00	ODB	GRIDCO	For line & bay maintenance work	
683 220KV Future line-IV BAY (209 BAY )	26/02/20	09:00	26/02/20	18:00	ODB	ER-II/Odisha/Balangir	AMP for 209 52CB & 209 CT	
684 40852- Tie Bay of Duburi line & Jamshedpur line	26/02/20	09:00	26/02/20	17:30	ODB	ER-II/Odisha/BARIPADA S/S	AMP works	
685 723 Tie Bay of 765KV Sundargarh-Dharamjayhgarh ckt-2 &	26/02/20	00.00	20/02/20	40.00	000	ED II/Odish - /Condensed	SIEMENS Centre guide valve modification work in Mechanism	NLDC
765KV NTPC Darlipalli ck-1	20/02/20	09:00	29/02/20	18:00	ОСВ	ER-II/Odisha/Sundergarh	drive and AMP	NEDC
686	26/02/20	09:00	26/02/20	18:00	ODB	ER-II/Odisha/Keonjhar		
4UUKV 4U6 BAY AMP						-	AMP WORKS.Shutdown shall be taken if not availed in JAN'20.	
687 417 Tie Bay (400 kV Chandwa-Gaya Ckt -II ) at Gaya	26/02/20	09:00	26/02/20	18:00	ODB	ER-I	For AMP work	
688 Main Bay of 400kV Muzaffarpur-1 (409-52) at New Purnea	26/02/20	09:00	26/02/20	18:00	ODB	POWERGRID ER-I	AMP WORKS	
689 208 Bay(Latehar Line-1 Bay) AT DALTONGANJ	26/02/20	09:30	26/02/20	17:30	ODB	POWERGRID ER-I	Bay AMP	
690 240 km main handinan 3 AT BATNA	26/02/20	09:00	27/02/20	18:00	OCB	POWERGRID ER-I	AMP &CB Overhauling & BCU updration works under SS03	
210 bay main bay sipara 2 AT PATNA							package Annual line maintenance and Jumper Rectification work	-
691 765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1	27/02/20	09:00	27/02/20	18:00	ODB	OGPTL	Annual line maintenance and Jumper Rectification work	NLDC
692 765KV BUS-2	27/02/20	09:00	27/02/20	18:00	ODB	ER-II/Odisha/Angul SS	AMP work	NLDC
693 Bus bar-2 at Indravati	27/02/20	09:00	27/02/20	18:00	ODB	ER-II/Odisha/Indravati	AMP works of Bus-2	GRIDCO
						En ily Odishay indravati	AWI WORKS OF BUS Z	
I 694 I 220KV Rus-II	27/02/20	09:00	27/02/20	17.30	ODB	FR-II/Odisha/BARIPADA S/S	Isolator allignment work	GRIDCO
694 220KV Bus-II 695 765 kV BR-I at Gava	27/02/20 27/02/20	09:00 09:00	27/02/20 27/02/20	17:30 18:00	ODB ODB	ER-II/Odisha/BARIPADA S/S FR1	Isolator allignment work For AMP work	GRIDCO NLDC
694   220KV Bus-II 695   765 kV BR-I at Gaya	27/02/20 27/02/20	09:00 09:00	27/02/20 27/02/20	17:30 18:00	ODB ODB	ER-II/Odisha/BARIPADA S/S ER1	For AMP work	GRIDCO NLDC
			27/02/20				For AMP work Replacement of porcelain insulator by polmer	
695 765 kV BR-I at Gaya	27/02/20	09:00		18:00	ODB	ER1	For AMP work	
695 765 kV BR-I at Gaya	27/02/20	09:00	27/02/20	18:00	ODB	ER1	For AMP work Replacement of porcelain insulator by polmer	
695 765 kV BR-I at Gaya 696 400 kV Patna-Barh CKT3	27/02/20 27/02/20	09:00 09:00	27/02/20 27/02/20	18:00 17:30	ODB ODB	ER1 POWERGRID ER-I	For AMP work Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	
695 765 kV BR-I at Gaya 696 400 kV Patna-Barh CKT3 697 66 KV Bay(Bay 607) of Tadong Line at Gangtok	27/02/20 27/02/20 27/02/20	09:00 09:00	27/02/20 27/02/20 27/02/20	18:00 17:30 14:00	ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID	For AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKTTO BE PUT INTO NON AUTO MODE  For AMP work	
695     765 kV BR-I at Gaya       696     400 kV Patna-Barh CKT3       697     66 KV Bay(Bay 607) of Tadong Line at Gangtok       698     403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram       699     400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)       700     Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	18:00 17:30 14:00 17:00 17:00 18:00	ODB ODB ODB ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I	FOR AMP work Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR AMP work Bay AMP Work AMP Work AMP WORKS	NLDC
695     765 kV BR-I at Gaya       696     400 kV Patna-Barh CKT3       697     66 KV Bay(Bay 607) of Tadong Line at Gangtok       698     403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram       699     400 KV BR #1 & Indravati Line Tie Bay (Bay No-411)       700     Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea       701     755KV Main Bay of Fathehpur (707-Bay) AT PUSAULI	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00	ODB ODB ODB ODB ODB ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I	For AMP work Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE For AMP work Bay AMP Work AMP Work	
695     765 kV BR-I at Gaya       696     400 kV Patna-Barh CKT3       697     66 KV Bay(Bay 607) of Tadong Line at Gangtok       698     403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram       699     400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)       700     Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	18:00 17:30 14:00 17:00 17:00 18:00	ODB ODB ODB ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I	FOR AMP work Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE FOR AMP work Bay AMP Work AMP WORKS AMP WORKS BAY AMP Bay AMP Bay AMP	NLDC
695 765 kV BR-I at Gaya  696 400 kV Patna-Barh CKT3  697 66 KV Bay(Bay 607) of Tadong Line at Gangtok 698 403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram 699 400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411) 700 Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea 701 765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI 702 211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:30	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	18:00 17:30 14:00 17:00 17:00 18:00 17:30	ODB ODB ODB ODB ODB ODB ODB ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I	FOR AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR AMP work Bay AMP Work AMP WORKS AMP WORKS AMP WORKS	NLDC
695     765 kV BR-I at Gaya       696     400 kV Patna-Barh CKT3       697     66 KV Bay(Bay 607) of Tadong Line at Gangtok       698     403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram       699     400 KV BR #1 & Indravati Line Tie Bay (Bay No-411)       700     Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea       701     755KV Main Bay of Fathehpur (707-Bay) AT PUSAULI	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00	ODB ODB ODB ODB ODB ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I	FOR AMP work Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR AMP Work Bay AMP Work AMP WORKS AMP WORKS AMP WORKS Bay AMP CB Overhauling & BCU updration works under SS03 package	NLDC
695 765 kV BR-I at Gaya  696 400 kV Patna-Barh CKT3  697 66 KV Bay(Bay 607) of Tadong Line at Gangtok 698 403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram 699 400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411) 700 Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea 701 765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI 702 211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:30	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	18:00 17:30 14:00 17:00 17:00 18:00 17:30	ODB ODB ODB ODB ODB ODB ODB ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR AMP work  BAY DWORKS  AMP WORKS  BAY AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon -	NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAUU           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANI           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I&II	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:30 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00 17:30	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP Work  AMP Work  Bay AMP Work  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon -  Right Bank # I Line	NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         400 kW Patna-Barh CKT#1 Main Bay) at Subhasgram           699         400 kV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 kV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220kV Fatuha line AT PATNA           704         400kV Maithon-Durgapur I&II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:30 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00 17:30	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR AMP work  Bay AMP Work  AMP WORK  AMP WORK  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon -  Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3	NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 kV B# 1 ½. Incharavat Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220kV Fatuha line AT PATNA           704         400kV Maithon-Durgapur I&II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus           Section-II at Binaguri	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:30 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20	18:00 17:30 14:00 17:00 17:00 18:00 17:30 18:00 18:00 18:00	ODB  ODB  ODB  ODB  ODB  ODB  ODB  ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID ER-I	For AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  Bay AMP CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon -  Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII	NLDC NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         400 kW Patna-Barh CKT#1 Main Bay) at Subhasgram           699         400 kV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 kV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220kV Fatuha line AT PATNA           704         400kV Maithon-Durgapur I&II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:30 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00 17:30 18:00	ODB  ODB  ODB  ODB  ODB  ODB  ODB  ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID ER-I	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR AMP work  Bay AMP Work  AMP WORK  AMP WORK  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon -  Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3	NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220KV Fatuha line AT PATNA           704         400KV Maithon-Durgapur I&II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765KV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:30 09:00 08:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20	18:00 17:30 14:00 17:00 17:00 18:00 17:30 18:00 18:00 18:00 18:00	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR AMP work  BAY AMP Work  AMP Work  AMP Work  BAY AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon-  Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work	NLDC NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANI           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I&II         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus           5ection-II at Binaguri         705 765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20 28/02/20 28/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/Angul SS	FOR AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  Bay AMP CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon-  Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work	NLDC  NLDC  WB  NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravatt Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishangan)-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I&II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:30 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 17:30	ODB ODB ODB ODB ODB ODB ODB ODB ODB OCB OCB OCB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/Angul SS  ER-II/Odisha/Angul SS	FOR AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  AMP Work  Bay AMP CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  AMP work	NLDC  NLDC  WB  NLDC  GRIDCO
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravatt Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANI           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I &II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III           709         765 kV BR-II at Gaya	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00	ODB ODB ODB ODB ODB ODB ODB OCB OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/Angul SS  ER-II/Odisha/BARIPADA S/S	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  AMP Work  AMP Work  AMP Work  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon- Right Bank #1 Lline  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP works  For AMP works  For AMP works	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravatt Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishangan)-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I&II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:30 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 17:30	ODB ODB ODB ODB ODB ODB ODB ODB ODB OCB OCB OCB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/Angul SS  ER-II/Odisha/Angul SS	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon-  Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  AMP work  AMP work  For AMP work  Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C	NLDC  NLDC  WB  NLDC  GRIDCO
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravatt Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANI           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I &II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III           709         765 kV BR-II at Gaya	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00	ODB ODB ODB ODB ODB ODB ODB OCB OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/Angul SS  ER-II/Odisha/BARIPADA S/S	FOR AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  Bay AMP CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon—  Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS_XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  AMP work  For AMP work  Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C  Line having crictical leg bend	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravatt Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANI           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I &II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III           709         765 kV BR-II at Gaya	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	18:00 17:30 14:00 17:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00	ODB ODB ODB ODB ODB ODB ODB OCB OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/Angul SS  ER-II/Odisha/BARIPADA S/S	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon-  Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  AMP work  AMP work  For AMP work  Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAUU           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I&II         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III           709         765 kV BR-II at Gaya           710         400KV Pusauli-Nabinagar Line-2	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 11/03/20	18:00  17:30  14:00 17:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 17:30 18:00 18:00	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/Angul SS  ER-II/Odisha/Angul SS  ER-II/Odisha/BARIPADA S/S  ER1  POWERGRID ER-I  POWERGRID ER-I	FOR AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work Bay AMP Work AMP WORKS AMP WORKS Bay AMP CB Overhauling & BCU updration works under SS03 package PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line Commissioning of Bus #2 Bus bar protection for ICT#3 ERSS_XVII Annual line maintenance and Jumper Rectification work  AMP work AMP work For AMP work AMP work AMP work Commissioning of Bus #2 Bus bar protection for ICT#3 ERSS_XVIII Annual line maintenance and Jumper Rectification work  AMP work AMP work AMP work For AMP work Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C Line having crictical leg bend Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAUU           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I&II         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III           709         765 kV BR-II at Gaya           710         400KV Pusauli-Nabinagar Line-2	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 11/03/20	18:00 17:30 14:00 17:00 18:00 18:00 18:00 18:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/Angul SS  ER-II/Odisha/BARIPADA S/S  ER1  POWERGRID ER-I  POWERGRID ER-I  ER1  POWERGRID ER-I	For AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  AMP Work  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon- Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  AMP work  AMP work  Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C  Line having crictical leg bend  Replacement of porcelain insulator by polmer	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishangan): 1 (410-52) at New Purnea           701         765kV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANI           703         213 main bay 220KV Fatuha line AT PATNA           704         400KV Maithon-Durgapur I&II           705         20 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III           709         765 kV BR-II at Gaya           710         400KV Pusauli-Nabinagar Line-2           711         400KV Patna-Barh CKT 4           712         400KV MAIN BAY OF BR#1 (422)           713         220KV Transfer BUS BAY (210 BAY)	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	18:00  17:30  14:00 17:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 17:30 18:00 18:00	ODB ODB ODB ODB ODB ODB OCB OCB OCB ODB ODB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/BarIPADA S/S  ER1  POWERGRID ER-I  POWERGRID ER-I  ER-II/Odisha/BarIPADA S/S  ER1	FOR AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work Bay AMP Work AMP WORKS AMP WORKS Bay AMP CB Overhauling & BCU updration works under SS03 package PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line Commissioning of Bus #2 Bus bar protection for ICT#3 ERSS_XVII Annual line maintenance and Jumper Rectification work  AMP work AMP work For AMP work AMP work AMP work Commissioning of Bus #2 Bus bar protection for ICT#3 ERSS_XVIII Annual line maintenance and Jumper Rectification work  AMP work AMP work AMP work For AMP work Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C Line having crictical leg bend Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC
695 765 kV BR-I at Gaya 696 400 kV Patna-Barh CKT3 697 66 KV Bay(Bay 607) of Tadong Line at Gangtok 698 403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram 699 400 kV BR # 1 & Indravati Line Tie Bay (Bay No-411) 700 Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea 701 765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI 702 211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ 703 213 main bay 220KV Fatuha line AT PATNA 704 400KV Maithon-Durgapur I&II 705 Section-II at Binaguri 706 765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1 707 125 MVAR 400 kV Bus Reactor 1 708 500 MVA ICT III 709 765 kV BR-II at Gaya 710 400 kV Patna-Barh CKT 4 712 400 kV Patna-Barh CKT 4	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	18:00 17:30 14:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00	ODB ODB ODB ODB ODB ODB ODB ODB ODB OCB OCB OCB ODB ODB ODB ODB ODB ODB ODB ODB ODB OD	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/Angul SS  ER-II/Odisha/BARIPADA S/S  ER1  POWERGRID ER-I  POWERGRID ER-I  ER1  POWERGRID ER-I	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP Work  AMP WORKS  AMP Work  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS_XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  AMP work  Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C  Line having crictical leg bend  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR CHANGING COMPRESSOR	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220KV Fatuha line AT PATNA           704         400KV Maithon-Durgapur I&II           705         20 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         505 kV BR-II at Gaya           710         400KV Pusauli-Nabinagar Line-2           711         400KV Patna-Barh CKT 4           712         400KV MAIN BAY OF BR#1 (422)           713         220KV Transfer BUS BAY (210 BAY)           714         101 Bay(160 MVA ATR-2 IV Side bay) AT DALTONGANJ	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	18:00  17:30  14:00  17:00  17:00  18:00  18:00  17:30  18:00  18:00  17:30  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/BarIPADA S/S  ER1  POWERGRID ER-I  POWERGRID ER-I  ER-II/Odisha/BarIPADA S/S  ER1  POWERGRID ER-I  ER-II/Odisha/BarIPADA S/S  ER1  POWERGRID ER-I  ER-II/Odisha/ROURKELA  ER-II/Odisha/Balangir  POWERGRID ER-I	FOR AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon-  Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  AMP work  Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C  Line having crictical leg bend  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR CHANGING COMPRESSOR  AMP for 210 52CB & 210 CT	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC  NABINAGAR
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220KV Fatuha line AT PATNA           704         400KV Maithon-Durgapur I&II           705         20 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         505 kV BR-II at Gaya           710         400KV Pusauli-Nabinagar Line-2           711         400KV Patna-Barh CKT 4           712         400KV MAIN BAY OF BR#1 (422)           713         220KV Transfer BUS BAY (210 BAY)           714         101 Bay(160 MVA ATR-2 IV Side bay) AT DALTONGANI           715         765KV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20 28/02/20	18:00  17:30  14:00  17:00  17:00  18:00  18:00  17:30  18:00  18:00  17:30  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/BarlPADA S/S  ER1  POWERGRID ER-I  POWERGRID ER-I  ER-II/Odisha/BarlPADA S/S  ER1  POWERGRID ER-I  OWERGRID ER-I  OGPTL	For AMP work  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  Bay AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon- Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  For AMP work  Rectification of Tower No:- 170 of Pusauli- Nabinagr D/C  Line having crictical leg bend  Replacement of porcelain insulator by polmer  A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR CHANGING COMPRESSOR  AMP for 210 52CB & 210 CT  Bay AMP  Annual line maintenance and Jumper Rectification work	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 kV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANI           703         213 main bay 220KV Fatuha line AT PATNA           704         400KV Maithon-Durgapur I&II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III           709         765 kV BR-II at Gaya           710         400 kV Patna-Barh CKT 4           711         400 kV Patna-Barh CKT 4           712         400 kV MAIN BAY OF BR#1 (422)           713         220 kV Transfer BUS BAY (210 BAY)           714         101 Bay(150 MVA ATR-2 IV Side bay) AT DALTONGANI           715         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           716	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20	18:00  17:30  14:00  17:00  17:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  17:30  18:00  18:00  17:30  18:00  17:30	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/BariPADA S/S  ER1  POWERGRID ER-I  POWERGRID ER-I  ER-II/Odisha/Balangir  POWERGRID ER-I  GGPTL  ER-II/Odisha/Balangir  POWERGRID ER-I  OGPTL  ER-II/Odisha/Balangir  POWERGRID ER-I  GGPTL  ER-II/Odisha/Balangir  POWERGRID ER-I  OGPTL  ER-II/Odisha/Balangir	FOR AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  Bay AMP CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  For AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR CHANGING COMPRESSOR  AMP for 210 52CB & 210 CT  Bay AMP  Annual line maintenance and Jumper Rectification work  AMP works	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC  NABINAGAR
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 KV BR # 1 & Indravatt Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANJ           703         213 main bay 220KV Fatuha line AT PATNA           400KV Maithon-Durgapur I &II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III           709         765 kV BR-II at Gaya           710         400 kV Patna-Barh CKT 4           711         400 kV MAIN BAY OF BR#1 (422)           713         220 kV Transfer BUS BAY (210 BAY)           714         101 Bay(160 MVA ATR-2 IV Side bay) AT DALTONGANJ           715         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           716         125MVAR Bus Reactor-I           717         66 k V Bay( 8ay	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 29/02/20	09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20 29/02/20 29/02/20	18:00 17:30 14:00 17:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00 17:30 18:00 18:00 17:30 18:00 17:30 18:00 17:30 18:00 17:30	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Angul SS  ER-II/Odisha/BARIPADA S/S  ER1  POWERGRID ER-I  POWERGRID ER-I  ER-II/Odisha/BAIPADA IS/S  ER1  POWERGRID ER-I  ER-II/Odisha/BaIngir  POWERGRID ER-I  ER-II/Odisha/BaIngir  POWERGRID ER-I  ER-II/Odisha/BaIngir  POWERGRID ER-I  ER-II/Odisha/BAIRADA S/S  ER-II/ODISHA/ROURKELA  ER-II/ODISHA/ROURKELA	For AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP Work  AMP Work  Bay AMP  CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon- Right Bank #1 Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  AMP work  AMP work  For AMP work  For AMP work  For CHANGING COMPRESSOR  AMP for 210 S2CB & 210 CT  Bay AMP  AMP works  For AMP works  For AMP work  For CHANGING COMPRESSOR  AMP for 210 S2CB & 210 CT  Bay AMP  AMP works  For AMP works  For AMP works  For AMP works  For AMP work  For CHANGING COMPRESSOR  AMP for 210 S2CB & 210 CT  Bay AMP  Annual line maintenance and Jumper Rectification work  AMP works  For AMP work  For AMP works  For AMP work  For AMP wor	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC  NABINAGAR
695         765 kV BR-I at Gaya           696         400 kV Patna-Barh CKT3           697         66 KV Bay(Bay 607) of Tadong Line at Gangtok           698         403 Bay (315 MVA ICT#1 Main Bay) at Subhasgram           699         400 kV BR # 1 & Indravati Line Tie Bay (Bay No-411)           700         Main Bay of 400kV Kishanganj-1 (410-52) at New Purnea           701         765KV Main Bay of Fathehpur (707-Bay) AT PUSAULI           702         211 Bay(220 KV Bus coupler Bay) AT DALTONGANI           703         213 main bay 220KV Fatuha line AT PATNA           704         400KV Maithon-Durgapur I&II           705         220 KV Bus #2 with Siliguri #2, ICT#2, Birpara#2 & Bus Section-II at Binaguri           706         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           707         125 MVAR 400 kV Bus Reactor 1           708         500 MVA ICT III           709         765 kV BR-II at Gaya           710         400 kV Patna-Barh CKT 4           711         400 kV Patna-Barh CKT 4           712         400 kV MAIN BAY OF BR#1 (422)           713         220 kV Transfer BUS BAY (210 BAY)           714         101 Bay(150 MVA ATR-2 IV Side bay) AT DALTONGANI           715         765kV D/C Jharsuguda(Sundargarh)-Raipur pool CKT-1           716	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20	09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00 09:00	27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 27/02/20 28/02/20 29/02/20 28/02/20	18:00  17:30  14:00  17:00  17:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  18:00  17:30  18:00  18:00  17:30  18:00  17:30	ODB	ER1  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II/Odisha/Rengali  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  POWERGRID ER-I  ER-II, POWERGRID  ER-II, POWERGRID  ER-II, POWERGRID  OGPTL  ER-II/Odisha/BariPADA S/S  ER1  POWERGRID ER-I  POWERGRID ER-I  ER-II/Odisha/Balangir  POWERGRID ER-I  GGPTL  ER-II/Odisha/Balangir  POWERGRID ER-I  OGPTL  ER-II/Odisha/Balangir  POWERGRID ER-I  GGPTL  ER-II/Odisha/Balangir  POWERGRID ER-I  OGPTL  ER-II/Odisha/Balangir	FOR AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  For AMP work  Bay AMP Work  AMP WORKS  AMP WORKS  Bay AMP CB Overhauling & BCU updration works under SS03 package  PL Crossing during Re-conductoring work of Maithon - Right Bank # I Line  Commissioning of Bus #2 Bus bar protection for ICT#3  ERSS-XVII  Annual line maintenance and Jumper Rectification work  AMP work  AMP work  For AMP work  Replacement of porcelain insulator by polmer A/R OF OTHER CKT TO BE PUT INTO NON AUTO MODE  FOR CHANGING COMPRESSOR  AMP for 210 52CB & 210 CT  Bay AMP  Annual line maintenance and Jumper Rectification work  AMP works	NLDC  NLDC  WB  NLDC  GRIDCO  NLDC  NABINAGAR