Eastern Regional Power Committee Kolkata-33

Salient Decisions taken in 91st OCC meeting held on 22.11.13

- 1. OCC also advised JSEB to check the healthiness of battery and comply the observations given by the inspection team before 6th December, 2013. JSEB agreed.
- 2. OCC advised Powergrid to give a written intimation to all the constituents and advised all the constituents to cooperate with TCS personal for early completion of AMR installation.
- 3. ERLDC informed that, in connection with Railway TSS from 132 kV Deogarh S/s, line configuration and load details are not yet received from JSEB. JSEB assured to give the requisite data within 10 days

Status of decisions taken in previous OCC meetings, not yet resolved

SI. No.	Particulars	Present Status
1	OCC requested to all constituents to take appropriate actions at their end to establish the existing communication system (SCADA) with ERLDC healthy by June 2013 without fail.	ERPC decision is being implemented in majority cases. But, in case of BSPHCL/JSEB, the restoration is far behind the schedule.
2	 a) Testing and calibration of special energy meter in Eastern Region b) Automatic Meter Reading (AMR) 	Powergrid informed that, Testing and calibration of SEMs have been completed in all 307 stations. Powergrid informed that, survey for AMR has been completed for all 98 stations.
3	OCC decided to implement relief through operation of UFR in four stages with total load relief of 3320 MW as per CEA direction.	WBSETCL, DVC, BSPHCL and CESC implemented. OPTCL implemented except 3 s/s. JSEB implemented except Dumka S/s.
4.	Pollution mapping for Eastern Region Powergrid	OCC advised Powergrid to send the format to all constituents with a copy to ERPC. OCC requested all constituents to fill the formats at the earliest and send it to sksinghpg@yahoo.co.in. Powergrid informed that, they have not received the requisite data from constituents. OCC requested all constituents to send the requisite information as early as possible. Constituents agreed.

Minutes of 91st OCC Meeting held on 22nd Nov, 2013 at Farakka STPS, NTPC

Shri. Asit Mukherjee, GM (O), NTPC welcomed the OCC members, special invitees and other participants in the meeting. But just at the start of the meeting the house got totally concussed as respected Shri. K. C. Mishra, Senior GM, OPTCL collapsed with massive heart attack and was rushed to hospital. Meeting started with deep concern on his convalescence.

List of participants is at Annexure-A.

Item no. A.1: Confirmation of minutes of 90th OCC meeting of ERPC held on 25.10.13

The minutes were circulated vide letter dated 01.11.13 to all the constituents and also uploaded in ERPC website. No comments were received till date.

Members may confirm the minutes.

Deliberation in the meeting

SLDC, Bhubaneswar, Odisha vide letter dated 10th December, 2013, reiterated that in 90th OCC meeting it was categorically expressed that consent of OPTCL for the proposed shutdown shall be issued only after obtaining approval from the Govt. of Odisha.

Minutes of 90th OCC is confirmed with the aforementioned modification incorporated under Item No. C.1.

PART B

Item no. B.1: 220 kV inter-connecting lines of OPTCL with Bolangir 400/220 kV Substation (PG)

400/220 kV, 2X 315 MVA S/S at Bolangir has been established by Powergrid as part of ISTS system based on the decision taken in Standing Committee meeting held on 08.11.2008 held at Bhubaneswar. This substation was to cater to the local load demand of Bolangir and its adjoining area in Odisha.

The following 220 kV interconnecting lines was envisaged to be established by OPTCL:

- (i) LILO of OPTCL's Burla-Bolangir line at Bolangir (PG).
- (ii) Bolangir(PG) –Bolangir (OPTCL) S/C line.
- (iii) Bolangir(PG) –Kesinga S/C line.

However, none of these outlets have been commissioned as of now.

In absence of the 220kV interconnection to the Bolangir (PG), the existing 400kV Bolangir (PG) S/S remains as unused transmission assets. OPTCL should implement the above 220kV interconnections with Bolangir(PG) S/S on top priority, enabling proper anchoring of the Meramundali-Jeypore line at Bolangir (PG) to avoid operational problems in the grid.

OPTCL may please furnish the status and time frame for commissioning of the line.

OPRTCL informed that, one ckt of 220 kV Burla-Bolangir will be made LILO at Bolangir (PG) for which tendering work is under process. Work is in progress for Bolangir(PG) –Bolangir (OPTCL) S/C line and Bolangir(PG) –Kesinga S/C line.

Item no. B.2: Start-up/emergency power to Jindal India Power Ltd.--GRIDCO

It was informed by GRIDCO that, presently M/s. JINDAL India Thermal Power Ltd.(JITPL) is being connected to CTU through LILO of 400kVAngul(PGCIL)-Bolangir (PGCIL) S/C line. The final connectivity of JITPL will be to PGCIL Pooling Station at Phulpada, Angul through 400 kV D/C line.

JITPL has entered into an agreement with the concerned DISCOM, i.e, Central Electricity Supply Utility of Odisha (CESU) on 03.10.2013 for drawal of 29,000 kVA Start-up/Emergency power through GRIDCO. Accordingly, any drawal by JITPL from Eastern Grid may be accounted as GRIDCO's drawal from Eastern Grid and the LILO points at JITPL premises may be treated as interface points between Eastern Grid and Gridco for the purpose of drawal of start-up / emergency power by JITPL.

Members may discuss.

Deliberation in the meeting

OPTCL informed that, two numbers of LILO points need to be added as GRIDCO's interface points.

Item no. B.3: Issue of trial operation of transmission elements.

CERC while giving order on petition for "Approval of transmission tariff for LILO of Nalagarh-Kaithal line at Patiala along with associated bays and 125 MVAR Bus Reactor at Patiala and 400/220 kV, 500 MVA ICTs both at Patiala and Malerkotla S/S along with bays under Northern Region Strengthening Scheme-XIV in Northern Region" observed the following in Para 38 of the order:

"We have considered the submissions of both PSPCL and the petitioner. As submitted by the petitioner, the 2009 Tariff Regulations do not define the trial operation in case of transmission elements and the successful test charging is considered as trial operation. The explanation of the petitioner is found to be satisfactory and accordingly, successful test charging by the petitioner is considered as completion of trial operation. However, we direct the RPCs to discuss the issue of trial operation of transmission elements and submit the proposals to CEA who in turn shall submit a consolidated proposal regarding trial operation of transmission elements to the Commission. The staff of the Commission shall study the proposal made by CEA and make suitable changes to the existing Regulation to deal with all such cases in future."

Members may Note, discuss and place their views.

Deliberation in the meeting

Members noted. OCC requested all the constituents to give their view in next OCC.

Item no. B.4: Consent for changing of all 160 KN insulators in 400 KV D/C (Quad) Siliguri-Purnea Line & Purnea-Saharsha section of 400 KV Purnea-Muzaffarpur Line-Powerlinks

There were frequent failure of 160 KN insulators in our 400 KV D/C (Quad) Siliguri-Purnea Line and Purnea-Saharsha section of 400 KV Purnea-Muzaffarpur Line. This in turn had made the line unreliable and the entire grid vulnerable. These insulators were supplied by M/S Birla –NGK (Jayashree) during construction of the line in 2005-06. Since then trouble free operation

continued upto 2010. Then 2011 onwrds , failure had started and it reached alarming stage in December'12 when there were 12 failures in one single month. These insulators were tested at CPRI , Bangalore after removing the same from line. At CPRI, 20% of sample tested had failed. PID testing of these insulators were also carried out and result of PID test was alarming as it shows deviation in most of the strings. From the pattern of failure , it had been observed that only those 160 KN insulators are failing which were installed in between tower no.100 to 300 from Siliguri end. Subsequently, all 160 KN insulators were changed in all tension towers in between loc.100 to 300 fo Siliguri-Purnea Line in March'13 and April'13. As a result of this preventive action, the failure rate had gone down to great extent and there were only five failures during the period May'13 to October'13.

To analyse the root cause of the failure, the supplier M/S Birla-NGK was consulted and samples were tested extensively at the manufacturer's laboratory. During testing, it had been observed that those samples having hair line cracks on them had failed to pass the electrical requirements. In other words, it can be said that hairline cracks are the root cause of the failure of 160 KN insulators. The insulation resistance of these insulators is going down as moisture and other impurities are entering the cracks leading to flash over and failure of the string. This finding is supported by the fact that in all the cases of failure, hairline cracks were observed on the discs.

From above facts, it can be concluded that the present decrease in rate of failure is temporary and it is bound to increase with the passage of time as hairline cracks may develop at any point of time. This will seriously affect the reliability of the line and stability of the entire grid as a whole. As a preventive measure, it is planned to change all remaining 160 KN insulators in 400 KV D/C (Quad) Siliguri-Purnea Line and Purnea-Saharsha section of 400 KV Purnea-Muzaffarpur Line. This is necessary for the stability of the system and these two lines are very important part of the grid particularly of East-North Corridor. Total financial implication will be around Rs. 13 crores considering polymer insulators will be used. We are planning to submit a petition to CERC for capitalization of the expenditure.

Members may discuss.

Deliberation in the meeting

OCC felt that, technical reason behind insulator failures are to be analyzed. Accordingly OCC advised Powerlinks to give a detailed report in next OCC. Powerlinks agreed.

Item no. B.5: Review of load relief under various stages of UFR

NPC in its 2nd meeting held on 16.07.2013 decided that total load relief based on UFR load shedding of ER is 3320 MW. Accordingly, OCC divided the total load quantum as per present proportionate for ER constituents as given below:

Control Area	Stage –I (49.2 Hz) (MW)	Stage –II (49.0 Hz) (MW)	Stage–III (48.8Hz) (MW)	Stage-IV (48.6Hz) (MW)	Total Relief by Control Area
BSEB	98	99	99	101	397
JSEB	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

It was decided to implement the revised scheme within a month.

The latest status updated in last OCC is follows:

> WBSETCL, Bihar & CESC: Implemented

- > **DVC**: Implemented except stage-IV. Stage-IV will be completed by 30th October, 2013.
- ➤ Odisha: Implemented except 7 Sub-stations. UFRs are required to be procured for those Sub-stations and the same will be installed by November, 2013.
- > **JSEB**: Latest status will be communicated within a week.

Status not received from JSEB.

Constituents may update the status in respective control area.

Deliberation in the meeting

Members updated the latest status as given below:

- > DVC, WBSETCL, Bihar & CESC: Implemented
- ➤ **Odisha**: Implemented except 3 Sub-stations namely Kesinga, Junagarh & Kalarangi. UFRs are required to be procured for those Sub-stations and the same will be installed by December, 2013.
- > **JSEB**: Implemented except Dumka S/s.

Item no. B.6: Islanding Scheme of FSTPP, NTPC

In line with decision made in 25th ERPC meeting, a separate meeting was held on 25th September, 2013 to finalize the scope of work. Minutes of the meeting is circulated in the meeting.

In 90th OCC, members decided to do the survey of JSEB Sub-stations (Lalmatia, Dumka & Pakur) to chalk out the list of equipment required for this islanding scheme and to assess the development. Accordingly, OCC decided to send a team comprising of Powergrid, ERPC and ERLDC from 30th October to 1st November 2013.

Accordingly, the inspection team visited Deoghar, Dumka, Lalmatia, Sahebgunj, and Pakur substations of JSEB. Recorded note of the visit is circulated in the meeting.

Powergrid, JSEB and NTPC may update the status.

Deliberation in the meeting

OCC enquired about the status of shifting PLCC panels from Pakur and Sahebgunj to Dumka and Lalmatia. On reply JSEB informed that, PLCC panels have not been shifted till date and assured to shift the panels before 6th December, 2013. OCC also advised JSEB to check the healthiness of battery and comply the observations given by the inspection team before 6th December, 2013. JSEB agreed.

Item no. B.7: (Item No. B1 of 84th OCC meeting)

In last OCC, Powergrid updated the latest status as given below:

a) Testing and calibration of special energy meter

Total special energy meters in Eastern Region: 307

Testing and calibration Completed: Completed except Teesta and Jaynagar

• Expected date of completion: 30th November, 2013

b) Automatic Meter Reading (AMR)

• Total stations in Eastern Region: 98

- Survey Completed:
- DCU supply started and will be completed by November, 2013.

Server installation at ERLDC, Kolkata is in progress.

Thereafter, Powergrid vide its letter dated 8th November, 2013 informed that, various constituent sites are not permitting the TCS personnel to carry out installation works related to Automatic Meter Reading (AMR). In this regard, permission and cooperation is required for the following for installation of AMR equipment on priority basis:

98

- 1. Meter to Meter daisy chaining with CAT6 cable via meter RS485 port will be done.
- 2. Tools & Tackles will be entered into the sub-station on a returnable basis.
- At the time of installation works permission is required for the techniques to work beyond 3. the office hours (if required).
- One DC voltage source(AC source if DC not available) is required from sub-station end to 4. give the power to DCU.(Ratings of DCU: 7 watt)
- Software needs to be installed in sub-station local HMI. 5.

Members may discuss and Powergrid may update the latest status.

Deliberation in the meeting

Powergrid updated the latest status as given below:

a) Testing and calibration of special energy meter

Total special energy meters in Eastern Region: 307 Testing and calibration Completed: 307

b) Automatic Meter Reading (AMR)

Total stations in Eastern Region: 98 98

Survey Completed:

DCU supply started and will be completed by November, 2013.

TCS representative informed that, various constituent sites are not permitting the TCS personnel to carry out installation works related to Automatic Meter Reading (AMR). Constituents informed that, prior information is not available with them and requested Powergrid to give the details in advance so that gate pass arrangement can be made in time. OCC advised Powergrid to give a written intimation to all the constituents and advised all the constituents to cooperate with TCS personal for early completion of AMR installation.

Item no. B.8: Concern members may update the latest status.

Increase in protection CT ratio from 1000/1 to 2000/1 for 400 kV Farakka-1. Berhampore line- Powergrid

Powergrid and NTPC may update.

Deliberation in the meeting

Powergrid and NTPC informed that, they are ready to change the CT ratio but required shutdown of the line. OCC felt that, shutdown of this line is required approval from NLDC and advised Powergrid to place the requisition.

Auxiliary Power Supply at Berhampore S/S- Powergrid

WBSEDCL & Powergrid may update.

WBSEDCL informed that, they will provide the auxiliary supply within 3 months. Powergrid requested to provide the auxiliary supply within 2 months and requested to make the Sukhi feeder as a priority feeder till dedicated auxiliary supply is available. WBSEDCL agreed to look into it.

3. Power Supply to Railway TSS from 132 kV Deogarh (JSEB) S/S

ERLDC, JSEB may update.

Deliberation in the meeting

ERLDC informed that, line configuration and load details are not yet received from JSEB. JSEB assured to give the requisite data within 10 days.

4. Restoration of 220 kV Tenughat – Biharshariff

BSPTCL and TVNL may update.

Deliberation in the meeting

It was informed that, the line has been restored on 12th November, 2013.

5. Restoration of 220 kV Meramundali - TSTPP D/C

OPTCL may update.

Deliberation in the meeting

OPTCL informed that, breaker rectification is in progress and the line will be charged after the rectification.

6. The following line/Bus reactors are under presently under outage:

- a) 80MVAR Line reactor of 400kV Meramundali-Angul at Meramundali
- b) 50MVAR Line reactor of 400kV Rourkella-TSTPP-I at TSTPP
- c) 80MVAR Bus Reactor at Kharagpur
- d) 63MVAR Line reactor of 400kV Baripada-Mendhasal-I at Mendhasal

It is essential that the above Line/Bus reactors are made available at the earliest as high voltages are prevailing during night lean hours in the ER Grid.

Members may update.

Deliberation in the meeting

It was informed that, 80 MVAR Line reactor of 400kV Meramundali-Angul at Meramundali was charged on 18th November, 2013. OCC requested concern members to take appropriate action to restore the reactors.

7. Schedule/generation restriction for Chuzachen HEP in view of repeated disturbances.

ERLDC & Chuzachen may update.

Chuzachen requested to allow further increase in their generation up to 99 MW. ERLDC informed that with the present evacuation network it is not possible at this juncture.

8. Restoration of Ragunathpur-Ranchi line

DVC may update.

Deliberation in the meeting

DVC informed that, they will update the status soon.

9. Bus strengthening at Malda and Birpara consequent to augmentation of transformation capacity at North Bengal – ERLDC (Item No. B2 of 82nd OCC meeting)

WBSETCL may update.

Deliberation in the meeting

WBSETCL informed that, bus strengthening of above substations would be completed by December, 2013.

10. Heavy loading of 315MVA ICTs at Jeypore and 220KV Jaypore-Jaynagar D/C line & Over Loading of 315MVA ICT at Muzaffarpur

OPTCL & ELRDC may update.

Deliberation in the meeting

The issue was referred to next OCC.

11. Depletion in OPTCL network due to impact of cyclone "Phailin"

OPTCL may kindly update regarding latest status.

Deliberation in the meeting

OPTCL informed that, 49 nos transmission lines have been affected due to the cyclone, out of which 46 lines have been charged except 220 kV Narendrapur-Mendhasal & 132 kV Narendrapur-Chatrapur D/C. One ckt of 220 kV Narendrapur-Theruvali has been charged using ERS.

Item no. B.9: Commissioning of 220 kV bus bar protection at Ramchandrapur & Chandil substations (JSEB) - (Item No. B13 of 22nd TCC meeting)

In last OCC JSEB informed that, testing of trip relay for bus bar protection at Ramchandrapur GSS has been completed and it is under observation. The same will be in operation within a week.

Regarding LBB at Chandil JSEB informed that it will take another 45 days to make the LBB operational.

JSEB may update the latest status.

JSEB informed that, bus bar protection at Ramchandrapur GSS is in service from 11th November, 2013.

Regarding LBB at Chandil JSEB informed that, some panels are not included in the proposal hence fresh proposal is being prepared.

Item no. B.10: Preparation of crisis management plan for Cyber Security in Power Sector in line with CERT-IN.

The activity of the preparation of Crisis Management Plan for countering the cyber attacks and its implementation including the Mock Drills, audits etc. is being monitored by CEA regularly in line with crisis management plant of Ministry of Power. Power Utilities (including generation, transmission & distribution utilities) of eastern region are to furnish regularly the updated status to on the same to Chief Engineer, Distribution Planning & Development Division, CEA.

NTPC communicated their activity of the preparation of Crisis Management Plan for countering the cyber attacks vide letter dated 2nd August, 2013.

In 88th OCC, constituents requested for another workshop on this issue. OCC agreed and requested NTPC and CESC to share their scheme in the workshop.

Members may note and comply.

Deliberation in the meeting

Members noted.

Item no. B.11: Status of "Third Party Protection Audit"

List of the observations along with updated compliances received from the constituents made available in ERPC website (www.eastrpc.org).

Members may note and ensure compliance on observations.

Deliberation in the meeting

Members noted.

Item no. B.12: Restricted Governor Mode of Operation --- ERLDC

The latest status of units of ER under RGMO is circulated in the meeting.

Members may update.

Deliberation in the meeting

NTPC informed that, Farakka unit#6 is under trial operation, it will be put in RGMO after successful operation.

Item no. B.13: Mock Black start exercises in Eastern Region --- ERLDC

i) The status of black start exercises

Mock blackstart of Upper Indravati HEP and Maithon HEP have been done successfully. The pending status as informed in the last OCC meeting is indicated below:

- a) Rengali HEP:Proposed in November'13
- b) Upper Kolab HEP:End of November'13

- c) Teesta HEP November'13
- d) Subarnarekha HEP- Dec13

Members may update the status.

Deliberation in the meeting

NHPC informed that, Teesta HEP is ready for black start exercise, the date will be intimated. JSEB informed that, water level of Subarnarekha HEP is very low and it is not possible to conduct the black start exercise.

ii) Testing of DG sets meant for Black start

Report regarding test run of DG sets for the month of October,2013 has not been received from any of the constituents. All test reports may be forwarded to erldc.cal@gmail.com&psdas psd@yahoo.com.

Constituents may kindly ensure compliance.

Deliberation in the meeting

Members noted.

Item no. B.14: Energy Generation data management from Renewable Energy Sources

As per Electricity Act, 2003, CEA has been entrusted with the task of collecting electricity generation data. CEA is monitoring all the existing generating stations with capacity more than 25 MW (Conventional sources only). In recent years there has been appreciable growth in generation from Renewable Energy Sources (RES).

In view of above it was decided to monitor all the generating stations under RES connected to the grid and also to bring out month wise, state wise and sector wise report on RES generation in MU including peak generation from RES.

CEA already requested to nominate Nodal officers at the level of SLDC for the above purpose. However, only few states have responded.

Those SLDCs who have not yet nominated the nodal officers for Energy Generation Data management from RES are requested to furnish the details at following email/Fax:

Email: ceaopmwind@gmail.com

with a copy to rishika.engineer@gmail.com and s.sewak@cea.nic.in

Nodal officers from CEA:

Mrs. Rishika Sharan, Director, CEA, 011-26732663 and 26102263(Fax), Mobile: 9868021299

Mrs. Sarita Sewak, Dy. Director, 011-26732656

SLDCs may note and nominate their Nodal officers as advised.

Members may note and comply.

Deliberation in the meeting

Members noted.

Item no. B.15: Certification through BIS as per IS 18001:2007 to all generating/ transmission units. (Item No. B9 of 84th OCC meeting)

In 84th OCC meeting all constituents were requested to interact with BIS with intimation to ERPC and get certified as per CEA direction.

In 85th OCC NTPC informed that, NTPC-Farakka has been certified with IS 18001. Other constituents including OHPC requested to interact with BIS with intimation to ERPC and get certified as per CEA direction. The matter is getting reviewed by highest authorities with top priority.

In 88th OCC NTPC informed that, all NTPC stations in Eastern Region are certified with IS 18001. NHPC informed that, Teesta is also certified with IS 18001.

After that, CESC informed that their stations are certified with IS18001.

Members may note and update the status.

Deliberation in the meeting

Members noted.

Item no. B.16: Pollution mapping for Eastern Region -- Powergrid

In line with decision of 89th and 90th OCC meeting, Powergrid has already submitted the soft copy of the formats to be submitted by concern members to intiate the work on pollution mapping.

The formats were already mailed to respective OCC members.

Members may please note and comply.

Deliberation in the meeting

Powergrid informed that, they have not received requisite data from constituents. OCC requested all constituents to send the requisite information as early as possible. Constituents agreed.

Item no. B.17: Reactive Power performance of Generators and GT tap position optimization

a) Review of reactive power generation/drawal of generators vis-à-vis 400kV station bus voltage of units

Maximum and minimum voltage observed (data taken from SCADA)
Generating stations have been monitored for the following sample dates in the month of Oct
13, during which the maximum and minimum voltages observed

Power Plant	Max and Min Voltage observed for Oct 13 (KV)	Date of monitoring (Oct 2013)
Forelds CTDC	` '	
Farakka STPS	426,408	5, 14, 26
Khalgaon STPS	433,415	5,14
Talcher STPS	425, 402	12,26
Teesta	428,402 (Binaguri)	9,12
Bakreshwar TPS	415,398	14
Kolaghat TPS	432,402	13,14
Sagardighi TPS	426,408 (Farakka)	5, 14, 26
MPL	432, 419(Maithon)	2,5

Mejia-B	432, 419(Maithon)	2,5
DSTPS	435,420 (Jamshedpur)	6,12
Adhunik TPS	435,420 (Jamshedpur)	6,12
Sterlite	430,416 (Rourkela)	6,12

Performance analysis:

- I. Farakka: Both 210MW & 500MW units at FSTPP, absorbed VAR or injected zero VAR into the Grid for most of the time and hence performance of the units was satisfactory.
- II. Kahalgaon: Both 210MW & 500MW units at KhSTPP, absorbed VAR or injected zero VAR into the Grid for most of the time and hence performance of the units was satisfactory.
- III. Sagardighi: Reactive performance of Sagardighi was satisfactory.
- IV. MPL: MPL absorbing VAR during High voltage condition and performance was satisfactory.
- V. Sterlite: The VAR absorption by SEL units during high voltage condition was not adequate.
- VI. Performance of Mejia-B, DSTPS and Adhunik TPS were not adequate.

Members may note.

Deliberation in the meeting

Members noted.

WBSETCL requested ERLDC for changing the 400 kV Subashgram-Jeerat line reactor as bus reactor. ERLDC informed that, they will intimate.

b) Optimization of GT tap position at Adhunik, Mejia-B and DSTPS

In the 88th OCC it was decided to change the relevant taps of identified units as follows:

DSTPS GT-	-1 and 2	MEJIA'B' GT - 1 & 2		
Present tap position & voltage ratio	Suggested tap position & voltage ratio	Present tap position	Suggested tap position	
5 (21kV/420 kV)	7 (21kV /399 kV)	4 (21kV /430.5 kV)	7 (21kV /399 kV)	

Adhunik GT-1 & 2			
Present tap position & Suggested tap position &			
voltage ratio voltage ratio			
8 (16.5kV /420kV) 12 (16.5kV /400.68 k ⁻¹			

In the 88thmeeting, DVC agreed to change one tap instead of two taps. In the 89th OCC meeting, DVC had confirmed that the above tap change would be done.

DSTPS U#2 and Mejia-B U#8 had gone under shutdown recently. DVC may please inform whether GT tap of these units have been changed to 6 and 5 respectively.

Also, in the last OCC meeting Adhunik Unit#1 had agreed to change tap position to 10 in view of problem faced during the synchronizing process with the generators at tap position 12.

DVC and Adhunik may update.

DVC informed that, in view of fair chance of unit tripping under O/V during synchronization they have not changed the tap position. DVC requested to optimize GT tap position of all the generators. ERLDC informed that, study is in progress.

c) Schedule for reactive capability tests

As discussed in the last OCC meeting, the status of reactive capability testing of identified generators is as follows:

a) Adhunik TPS: In Nov, 13

b) DSTPS: Due to outage of unit#2, test to be done on opportunity basis.

c) Mejia & Koderma TPS: Test to be done when both units are in service.

Maithon RB had mentioned in the last OCC meeting that they had already carried out reactive capability tests of their machines in January/march, 2013. However, the report of the reactive capability tests have not yet been received at this end.

Concerned members may update.

Deliberation in the meeting

DVC informed that, reactive capability test of DSTPS will be done when both units are in service.

PART C:: OPERATIONAL PLANNING

Item no. C.1: Shutdown proposal of transmission lines and generating units for the month of Dec' 13

Members may finalize the Shutdown proposals of the generating stations and transmission lines for the month of Dec'13 circulated in the meeting.

Members may finalize.

Deliberation in the meeting

Members finalized the shutdown proposals for the month of Dec'13. Approved list is given at **Annexure-C.1**. Shutdown related to Odisha subject to approval from Govt. of Odisha.

Item no. C.2: Anticipated power supply position during Dec'13

The abstract of peak demand (MW) vis-à-vis availability and energy requirement vis-à-vis availability (MU) for the month of Dec'13 were prepared by ERPC Secretariat on the basis of LGBR for 2013-14, keeping in view that the units are available for generation and expected load growth etc. and circulated in the meeting for discussion.

Members may confirm.

Deliberation in the meeting

Members noted.

Item no. C.3: Prolonged outage of power system elements in Eastern Region

(i) Generating units:

Generating Station	UNIT NO	CAP(MW)	DATE	REASONS FOR OUTAGE	Date of restoration
DSTPS	2	500	23.09.13	LOW SYSTEM DEMAND	
BOKARO B	3	210	12.10.13	POLLUTION CONTROL BOARD CLEARANCE	
BOKARO B	1	210	20.10.13	POLLUTION CONTROL BOARD CLEARANCE	
STERLITE	4	600	23.10.13	F. D. FAN PROBLEM	
BOKARO B	2	210	24.10.13	POLLUTION CONTROL BOARD CLEARANCE	
STERLITE	2	600	3.11.13	DRUN LEVEL LOW	
KOLAGHAT	2	210	03.11.13	LOW SYSTEM DEMAND	
KODARMA	2	500	03.11.13	SUPER HEATER TUBE LEAKAGE	
DPL	7	300	07.11.13	TUBE LEAKAGE	
SANTALDIH	5	250	08.11.13	TURBINE VIBRATION	
MEJIA	4	210	09.11.13	TUBE LEAKAGE	
KOLAGHAT	5	210	10.11.13	LOW SYSTEM DEMAND	

(ii) Transmission elements

Name of the Line/Element	Outage Date	Reason	Date of restoration
220 KV JEERAT - SATGACHIA D/C	15.06.10	DUE TO LAND SLIDE OF GANGES RIVER BANK	
315 MVA ICT - II AT BIDHANNAGAR	29.12.10	DUE TO PROFUSE OIL LEAKAGE FROM DIVERTER TANK	
220 KV MERAMUNDALI - TSTPS - I	24.08.13	BREAKER PROBLEM AT MERAMUNDALI	
765 KV SASARAM - FATHEPUR	25.08.13	TOWER COLLAPSE AT LOC 61/A AND TOWER BENT AT LOC 61/A0	
220 KV MENDHASAL - NARENDRAPUR - D/C	12.10.13	TOWER COLLAPSE	
220 KV THERUBALI - NARENDRAPUR - I	12.10.13	TOWER COLLAPSE	
400/220 KV, 315 MVA ICT - II AT JEERAT	29.10.13	BUCHHOLTZ RELAY OPERATED	
400 KV BINAGURI - PURNEA - I	02.11.13	SHUTDOWN AVAILED BY POWERGRID (1 MONTH) FFFORFORECONDUCTORING WORK UPTO 30.11.13	

Members may update.

Deliberation in the meeting

Members noted.

Item no. C.4: Information regarding commissioning of new transmission element - ERLDC

- 1. 400/220kV, 315MVA ICT-I at Koderma(DVC) was charged for the first time on load at 16:28 Hrs of 07/10/13 and loaded for the first time on 09/10/13 at 16:07Hrs. In this context it may be noted that 315MVA ICT-II at Koderma was already previously charged and loaded on 28/06/12 at 13:32Hrs.
- 2. 765/400kV, 500MVA(single phase) spare ICT at Sasaram was test charged at 13:40 Hrs of 09/10/13.
- 3. Third 125MVAR Bus-Reactor at Anugul was charged for the first time on 31/10/13 at 22:55 hrs.

All constituents are requested to intimate details of commissioning of new elements/generating units(if any) positively by the first working day of the current month for the previous month.

All members are also requested to verify above and also intimate regarding details of any other new elements commissioned but not included in the above list.

Status of commissioning of generating station and transmission elements are as follows:

New generating units:

S.No.	Power Plant	Plant Size	Expected date as updated in 90 th OCC
1	GMR Unit#3	4x350MW	15 th Nov, 2013
2	Koderma Unit#2	2x500MW	Oct, 2013
3	Corporate Power Unit#1	2x270MW	
4	Teesta-III Unit#1	1x200MW	
5	Raghunathpur Unit#1	2x600MW	Nov, 2013
6	TLDP-IV	1x40MW	

New transmission elements:

SI No.	Name of Element	Expected date as updated in 90 th OCC
1	400 kV Maithon-Gaya D/C	After December, 2013
2	400 kV Gaya-Koderma D/C	After December, 2013
3	LILO of 400kV Kahalgaon-Biharshariff 1& 2 at	Nov, 2013
	Lakhisarai	
4	400kV Sasaram-Daltonganj D/C &Daltonganj S/Stn	
5	400 kV Ranchi-Raghunathpur D/C	Mar, 2014
6	400 kV Meramandali-Dubri D/C	
7	400 kV Corporate- Ranchi D/C	
8	400 kV IB-Meramandali D/C	December, 2013
9	220 kV TLDP-IV – NJP ckt-2	2014
10	220 kV Kharagpur-Midnapur D/C	After Puja
11	220 kV Jeerat-Rishra D/C	
12	220 kV Latehar-Daltonganj D/C	December, 2013
13	220 kV Lohardaga-Lathehar D/C	December, 2013
14	220 kV Bidhansai-Cuttack D/C	June, 2014
15	220 kV Girdih-Koderma D/C	Mar, 2014

Members may update.

Deliberation in the meeting

Members noted.

PART D:: OTHER ISSUES

Item no. D.1: UFR operation during the month of Oct'13

System frequency touched 49.28 Hz in October'13. No report of UFR operation has been received from any of the constituents. Constituents may confirm regarding any UFR operation in their respective systems.

Members may note.

Deliberation in the meeting

Members noted.

Item no. D.2: Non-compliance of directions issued by SLDC --- ERLDC

Vide clause no 5.5.1.c)(h) of IEGC, non-compliance of SLDC direction by SEB/Distribution licenses/bulk consumers to curtail overdrawal is to be reported to ERLDC for incorporating the same in weekly report to be prepared and published by ERLDC.

All SLDCs are to inform ERLDC the instances of non -compliance of SLDC directions by SEB/Distribution licenses/bulk consumers to curtail over drawal, within two days after the day of operation.

No report from any constituent received. Hence ERLDC consider 'Nil' report for all Constituent for Oct'13.

Members may note.

Deliberation in the meeting

Members noted.

Item no. D.3: Grid incidences during the month of Oct'13

Sl no	Disturbance Place	Date & Time	Generation loss (MW)	Load loss (MW)	Remark	Category
1	JSEB(Chandil)	08/10/13 at 09:10 Hrs	0	150	Total power failure occurred at Chandil s/s due to bursting of R-Ø LA of 100MVA ATR-3 (220kV side) with simultaneous tripping of 220kV Chandil-STPS & 220kV Chandil-Ramchandrapur line.	GD-1
2	DVC (132kV entire load of Kalyaneswari)	10/10/13 at 11:08hrs	0	335	Bus fault occurred in 220kV Main bus-I at Kalyaneswari S/S due to which all the 220kV lines & ATRs connected to the said bus tripped.	-
3	JSEB(Chandil)	11/10/13 at 20:55Hrs	0	170	various 220kV & 132kV lines emanating from Chandil s/s tripped due to jumper snapped between CB and CT of 220 KV Ramchandrapur - Chandil bay at Chandil S/s	GD-1
4	DVC(Waria)	25/10/13 at 07:00Hrs	178	250	Total power failure occurred at DTPS (Waria) due to fire hazard occurred in 220/132kV, 150MVA ATR-2 at Waria	GD-1
5	OPTCL(Jaynagar including Traction, Balimela & Upper Kolab HEP)	26/10/13 at 18:06hrs	700	106	various 220kVlines & units emanating from Jaynagar, Balimela, U.Kolab & Theruvali s/s tripped due to tripping of 220kV Jaynagar-Jeypore-D/C on E/F & O/C.	GD-1

Members may note.

Deliberation in the meeting

Members noted.

Item no. D.4: Eastern Region grid performance during the month of Oct'13

ERLDC may present.

Members may note.

Deliberation in the meeting

Members noted.

Item no. D.5: SCADA data availability to ERLDC.

It was directed that all utilities should take appropriate actions at their end to establish the existing communication system (SCADA) with ERLDC healthy by June 2013 without fail.

The latest status as updated in 25th TCC is circulated in the meeting.

Concerned members may update the latest status.

Deliberation in the meeting

The issue was referred to next OCC.

Item no. D.6: Bhutan voice communication with ERLDC:

In 23rd ERPC meeting held on 22nd December, 2012, POWERGRID informed that they are working for voice communication between Backup NLDC, India at ERLDC, Kolkata & NLDC, Bhutan.

In last OCC Powergrid informed that work order has already been placed and will be completed by November, 2013.

POWERGRID may update the status.

Deliberation in the meeting

The issue was referred to next OCC.

Meeting ended with profound grief on receipt of information of sudden untimely demise of Shri. K. C. Mishra, Sr. GM, OPTCL. OCC members of ERPC family placed on record their heart full condolence to bereaved family members. It is also placed on records the contribution made by late Shri. K. C. Mishra towards developments of regional power systems including Odisha.

MS ERPC

Annexure-A

एनरीपीसी NTPC

91st OCC Meeting of ERPC

Farakka

NTPC		22-11-2013	
OCC: 91:0 1	\$h. Tapan Kumar D	e	Macjull
	Addl. CE	WBSEDCL	(Signature)
OCC: 91:0 2	Sh. P. K. Basu		_8
*	DGM, Kolaghat	WBPDCL	(Signature)
OCC: 91:0 3	Sh. K. C. Mishra		My
	Sr. GM	OPTCL	(Signature)
OCC: 91:0 4	Sh. R. V. Patnaik		ADL:
	AGM(OS)	NTPC, ER-II	(Signature)
OCC: 91:0 5	Sh. Sushil Adhikari		Sm
	A.E	DGPC, Bhutan	(Signature)
OCC: 91:0 6	Ms. Kinley Wagmo	1	dwant.
	A.E	DGPC, Bhutan	(Signature)
OCC: 91:0 7	Sh. A. K. Tiwari		dec_
	GM(OS)	NTPC, Patna	(Signature)
OCC: 91:0 8	Sh. Rakesh Kumar		Poppex
	AGM(OS)	NTPC, Patna	(Signature)
OCC: 91:0 9	Sh. G. K. Choubey	ii	Exchouse
	S.E	BSEB	(Signature)
9CC: 91:0 10	Sh A. K. Bandyopa	dhyay	
	Member Secy(I/C)	ERPC	(Signature)
OCC: 91:0 11	5h. Ganesh Rao		Lycala
	E.E	ERPC	(Signature)
OCC: 91:0 12	Sh. S. Pal		Subhulan
	A.E.E	ERPC	(Signature)
OCC: 91:0 13	Sh. S. Kejriwal		ang

ERPC

(Signature)

	91st (OCC Meeting of ERPC 22-11-2013	Farak A
OCC: 91:0 14	Sh. D. K. Srivastava		Trois at # 18-
	AGM	ERLDC	(Signature)
OCC: 91:0 15	Sh. G. Chakraborty		my
	Chief Manager	ERLDC	(Signature)
OCC: 91:0 16	Sh. M. K. Thakur Sr. Engineer	ERLDC	(Signature)
			N.
OCC: 91:0 17	Sh. K. K. Srivastava S.E	JSEB	(Signature)
OCC: 91:0 18	Sh. B. L. Barnawal		Barenest
	E.E	JSEB	(Signature)
OCC: 91:0 19	Sh. B. Pan		Brown
	C.E.(SLDC)	DVC, Mithon	(Signature)
OCC: 91:0 20	Sh. A. R. Bhunia		Bland
	AGM(OS)	NTPC, Kolkata	(Signature)
OCC: 91:0 21	Sh. A. Sengupta		8
	Manager	CESC	(Signature)
OCC: 91:0 22	Sh. D. Dey		S. Lein
	Dy. Manager	CESC	(Signature)
OCC: 91:0 23	Sh. G. Ganguly		10mm 1113
	Sr. Manager(O)	DPL	(Signature)
OCC: 91:0 24	Sh. R. K. Srivastav		Other
	Vice President	Gati Infrastructure , Sikkim	(Signature)
OCC: 91:0 25	Sh. Niladri Mandal	100	Q 220112
	AGM(E&M)	Gati Infrastructure , Sikkim	(Signature)
OCC: 91:0 26	Sh. M. Mohantiy		10
	Sr. Manager	NTPC, Kaniha	(Signature)

A	91st (OCC Meeting of ERPC 22-11-2013	Farakka
OCC: 91:0 27	Sh. S.K. Singh Chief Manager	PGCIL	(Signature)
OCC: 91:0 28	Sh. H.P. Mohapatra		War 11
	Manager	OHPC	(Signature)
OCC: 91:0 29	Er. Tenzin Dorzi	SUDS Phytos	(Signature)
	AsttExecEngr.	CHPC , Bhutan	1 1
OCC: 91:0 30	Er. Suprit Pradhan AsstEngr.	CHPC , Bhutan	(Signature)
OCC: 91:0 31	Er. U. Tshering Ex. Engr.	KHPC, Bhutan	(Signature)
OCC- 91:0 32	Er. Tshering Dorzi Astt. Engr.	KHPC, Bhutan	(Signature)
OCC: 93:0 33	Sh. P. Halder DGM(OS)	WBPDCL	(Signature)
OCC: 91:0 34	Sh. N.G. Saha Sr.Manager(OS)	WBPDCL	(Signature)
OCC: 91:0 35	Sh. Jiten Das Chief Manager,ER- 1	PGCIL	(Signature)
OCC: 91:0 36	Sh. R. R. Thakur Dy. Manager	NHPC	(Signature)
OCC: 91:0 37	Sh. T Prasad	Sikkim SLDC	(Signature)
OCC: 91:0 38	Sh. N. Tashi A.E	Sikkim SLDC	(Signature)
OCC: 91:0 39	Sh. A. Biswas C.E	WBSLDC	(Signature)

Page 3/4

oec : 91:051

Assire Ray Ram

PL, AME.

	91st (OCC Meeting of ERPO	, Fair	akka
OCC: 91:0 40	Sh. A. Raichaudhuri		0	·
	Addl C.E	WBSLDC	(Signature)	
OCC: 91:0 41	Sh. B.K.Singh		Book	
	Dy. Manager	NHPC (Teesta)	(Signature)	
ØCC: 91:0 42	Sri A. K. Mukherjee			P
	GM(0&M)	NTPC , Farakka	(Signature)	
OCC: 91:0 43	Sri C. K. Kusary	1	Ghuston	-N
	AGM(Mtc.)	NTPC , Farakka	(Signature)	4
OCC: 91:0 44	Sri A. K. Chattopadh	yay	al Morely	~
	AGM(O)	NTPC , Farakka	(Signature)	
OCC: 91:0 45	Sri Sudip Nag		No	
	AGM(EEMG)	NTPC , Farakka	(Signature)	
OCC: 91:0 46	Sri A. Dutta		Lung	
	AGM(EM)	NTPC , Farakka	(Signature)	
OCC: 91:0 47	Srl P K Mishra		1	
	AGM	OPTCL	(Signature)	
OCC: 91:0 48	Sri M S Sahoo		1.601	حب
	Manager	GRIDCO	(Signature)	
OCC: 91:0 49	Sri Brajesh Singh		Orajos	
	Dy. Manager	NTPC-Kahaigaon	(Signature)	
0 0 0 1 91 20 50	Alay Kant The	J.S.E.B	Aughn	7 N

Tis. Kolecute

Annexure-C.1

Maintenance Programme of Generators for the Month of December, 2013 as per LGBR

in a more than the contract of the first of										
SYSTEM	POWER STATION	Unit NO.	Effective Capacity	Maintenance Programme	Remarks	No.of Days				
JSEB	PTPS	Unit No 4	40	01.12.2013 to 31.01.2014	Sch. Maintenance	62				
DVC	Mejia TPS	Unit No 7	500	01.12.2013 to 21.12.2013	Annual Overhauling	20				
WBPDCL	STPS	Unit No 6	250	01.12.2013 to 20.12.2013	Boiler Maint.	20				
	KTPS	Unit No 4	210	21.12.13.2013 to 25.01.14	BTG	35				
		Unit No 6	210	15.122013 to 16.12.13	Boiler Licence	2				
	BkTPS	Unit No. 5		23.11.13 to 12.12.13	Boiler OH + Lic					
	Titagarh TPS	Unit No. 1	60	08.12.2013 to 11.12.2013	Statutory Hydraulic test	4				
CESC	Southern TPS	Unit No 1	67.5	17.12.2013 to 31.12.2013	Boiler Insp + Turbine	15				
		Unit No 2	67.5	12.12.2013 to 15.12.2013	Statutory Hydraulic test	4				
NHPC	Teesta-V			01.12.2013 to 31.01.2014	Annual Maint.					
	Rangit	Unit No 1		01.12.2013 to 28.12.2013	Annual Maint.					
SEL		Unit No.4	600	01.12.2013 to 30.12.2013	Annual Overhaul	30				
APNRL		Unit No.1	270	01.12.2013 to 10.12.2013	Annual Overhaul	10				

EASTERN REGIONAL LOAD DESPATCH CENTRE KOLKATA

TRANSMISSION ELEMENTS OUTAGE APPROVED IN 91ST OCC MEETING OF ERPC

	S/D APPROVED IN OCC								
Sr. No	NAME OF THE ELEMENTS	DATE	TIME	DATE	TIME	REMARKS	S/D availed	Reason	SUBJECT TO CONSENT FROM AGENCY
1	400 KV Rourkela-SundargarhRaigarh-1, 125 MVAR Bus Reactor-1 & 2 at Jharsuguda	22.11.2013	8:00	22.11.2013	17:00	ОСВ	ER-II	Commissionig of Tie Bays of Rourkela-1, Raigarh-1, Bus Reactor-1, Bus Reactor-2 at Sundargarh	NLDC
2	63MVAR L/R of 400KV Mendhasal -Baripada # 1	22.11.2013	10:00	22.11.2013	17:00	ODB	ER-II	AMP	OPTCL
3	125 MVAR Bus Reactor-1 at Sundargarh	23.11.2013	8:00	24.11.2013	17:00	OCB	ER-II	Installation of Pylon Support and formation of Ring of FF System	
4	ICT-II(3X105 MVA) AT INDRAVATI (OHPC S/Y)	24.11.2013	9:00	24.11.2013	13:00HR	ODB	ER-II	Taking original y-phase transformer in service after replacement of 400 KV bushing.(Now the spare transformer of OHPC is in service in y-pase of ICT-II.(3X105 MVA)	OPTCL
5	400 KV Rourkela-Sundargarh - Raigarh#2	26.11.2013	8:00	27.11.2013	17:00	OCB	ER-II	Isolator Checking, Attending Punch Points	NLDC
6	220 KV BUS - I AT NPRN	11/26/2013	9:00	11/26/2013	17:00	ODB	ER-I	AMP WORK	BIHAR
7	315 MVA ICT - III AT BSF S/S	11/26/2013	9:00	11/26/2013	17:00	ODB	ER-I	AMP WORK INCLUDING AMP OF 220 KV BAY AT BSEB.	
8	400 KV SSRM - ALD	11/26/2013	8:00	11/27/2013	17:30	ODB	ER-I	FOR SAS INTEGRATION WORK AT SSRM	NLDC
9	400kV Maithon-KAHALGAON I & L/R at Maithon	27.11.2013	08.00	27.11.2013	17.00	OSPT	ER-II	OTI adaptation works under NTAMC project	NLDC
10	315 MVA ICT AT FARAKKA	27.11.2013	10:00	27.11.2013	18:00	ODB	ER-II	For completion of balance work of Fire fighting system	
11	80 MVAR BUS REACTOR AT PATNA	11/27/2013	9:30	11/27/2013	17:30	ODB	ER-I	AMP WORK	
12	220 KV TARKERA - ROURKELA - II	11/28/2013	8:00	11/29/2013	16:00	ODB	OPTCL	AMC WORK	
13	400kV Maithon-KAHALGAON II & L/R at Maithon	28.11.2013	08.00	28.11.2013	17.00	OSPT	ER-II	OTI adaptation works under NTAMC project	NLDC
14	125 MVAR BUS REACTOR - II AT PATNA	11/28/2013	9:30	11/28/2013	17:30	ODB	ER-I	FOR CT OIL SAMPLING AND CSD INSTALLATION &	
15	400 KV BSF - SSRM -3	11/28/2013	8:00	11/28/2013	16:00	ODB	ER-I	TO ATTEND CLEARANCE PROBLEM OF 400 KV BSF SSRM - 3 & 400 KV BSF - GAYA WITH 400 KV BSF - SSRM - 1& 2	NLDC
16	400 KV BSF - GAYA	11/28/2013	8:00	11/28/2013	16:00	ODB	ER-I	TO ATTEND CLEARANCE PROBLEM OF 400 KV BSF SSRM - 3 & 400 KV BSF - GAYA WITH 400 KV BSF - SSRM - 1& 2	NLDC
17	400 KV BSF - SSRM - 1	11/28/2013	8:00	11/28/2013	11:30	ODB	ER-I	TO ATTEND CLEARANCE PROBLEM OF 400 KV BSF SSRM - 3 & 400 KV BSF - GAYA WITH 400 KV BSF - SSRM - 1& 2	NLDC
18	400 KV BSF - SSRM - 2	11/28/2013	12:00	11/28/2013	16:00	ODB	ER-I	TO ATTEND CLEARANCE PROBLEM OF 400 KV BSF SSRM - 3 & 400 KV BSF - GAYA WITH 400 KV BSF - SSRM - 1 & 2	NLDC
19	400 KV SASARAM - SARNATH	11/29/2013	8:00	11/30/2013	17:30	ODB	ER-I	FOR SAS INTEGRATION WORK AT SSRM	NLDC
20	315 MVA ICT #2 at Maithon	29.11.2013	07.00	29.11.2013	17.00	OSPT	ER-II	OTI adaptation works under NTAMC project	NEDC
21	400 KV RANCHI - MAITHON	11/29/2013	7:00	11/30/2013	18:00	ODB	ER-I	FOR STRINGING OF 400 KV D/C RNC - RNC TL - I AT 25B/0 TO	DVC
22	400 KV RNC - RAGHUNATHPUR	11/29/2013	7:00	11/30/2013	18:00	ODB	ER-I	FOR STRINGING OF 400 KV D/C RNC - RNC TL - I AT 25B/0 TO	DVC
23	315MVA ICT #1 at Maithon	30.11.2013	08.00	30.11.2013	17.00	OSPT	ER-II	OTI adaptation works under NTAMC project	
24	400 KV SARNATH - ALLAHBAD	12/1/2013	8:00	12/2/2013	17:30	ODB	ER-I	FOR MAINTENANCE WORK.	NLDC
25	400kV New Siliguri - Purnea Circuit # 1	01.12.2013	0:00	31.12.2013	0:00	OCB	ER-II	For Reconductoring works	NLDC
26	400 KV PTN - BARH - 3	12/1/2013	7:00	12/31/2013	18:00	ODB	ER-I	FOR OPGW STRINGING UNDER ULDC PROJECT	SHUTDOWN TO BE CLEARED FOR 7 DAYS AND FURTHER CLEARANCE WOULD BE ISSUED WEFKLY BASIS
27	A/R OF 400 KV KHLG - BARH - I	12/1/2013		12/31/2013	18:00	ODB	ER-I	FOR OPGW STRINGING UNDER ULDC PROJECT. IF S/D IS NOT ALLOWED, AUTO RECLOSURE OF THE MENTIONED CKT. MAY BE ALLOWED TO BE KEPT IN NON AUTO MODE FROM BOTH END TO EXECUTE THE WORK ON.	A/R SHUTDOWN TO BE CLEARED FOR 7 DAYS AND FURTHER CLEARANCE WOULD BE ISSUED WEEKLY BASIS
28	400 KV BAKRESWAR - JERAT	12/1/2013	7:00	12/1/2013	15:00	ODB	WBSETCL	MAINTENANCE WORK	
29	400kV Maithon-RIGHT BANK II	02.12.2013	08.00	02.12.2013	17.00	OSPT	ER-II	Replacement of isolator Arms and providing additional Copper	MPL
30	315 MVA ICT - I AT JERAT	12/2/2013	7:00	12/4/2013	15:00	ODB		MAINTENANCE WORK	
31	400kV Maithon-RIGHT BANK I	03.12.2013	08.00	03.12.2013	17.00	OSPT	ER-II	Replacement of isolator Arms and providing additional Copper	MPL

32	160 MVA ICT-I at Malda	03.12.2013	8:00	05.12.2013	18:00	ОСВ	ER-II	For completion of HVW & NIFS fire fighting system.	WBSETCL
32	100 WVA ICT-I at IWalda	03.12.2013	8.00	03.12.2013	16.00	ОСВ	LIX-II	Tor completion of fivw & Nil 3 life righting system.	NLDC (During sd period B/R -
									, , ,
	400k/ BUS Let Appel	03.12.2013	9:00	04.12.2013	17:00Hrs	ODB	ER-II	BUS-I Extension	I, II & III, so 400 kV
	400kV BUS-I at Angul	03.12.2013	9:00	04.12.2013	17:00HIS	ОВВ	EK-II	BOS-I EXTENSION	Meramundali - Bolangir-
22									Anugul - Jeypore link may be
33					.=				trinned on over Voltage)
34	125MVAR Reactor-III at Angul	03.12.2013	9:00	09.12.2013	17:00Hrs	OCB	ER-II	Replacement of Corona shield	
35	400 KV EAST BUS - I AT SSRM	12/3/2013	9:00	12/3/2013	17:00	ODB	ER-I	AMP WORK. IT INVOLVES S/D OF 765 KV 1500 MVA ICT AT	
36	220 KV BUS - II AT NPRN	12/3/2013	9:00	12/3/2013	17:00	ODB	ER-I	AMP WORK	BIHAR
37	400 KV EAST BUS - II AT SSRM	12/4/2013	9:00	12/4/2013	17:00	ODB	ER-I	AMP WORK	
38	315 MVA ICT - II AT RNC	12/4/2013	9:00	12/4/2013	15:00	ODB	ER-I	AMP WORK	
39	400 KV FARAKKA - KAHALGAON - I	12/4/2013	9:30	12/5/2013	17:30	OCB	NTPC	CT REPLACEMENT IN MAIN & TIE BAY & RELAY TESTING	NLDC
40	400kV New Siliguri - TALA Circuit # 2	05.12.2013	8:00	07.12.2013	17:00	ODB	ER-II	For Stringing of earth wire in missing spans (theft)	NLDC/BHUTAN
41	400 KV NORTH BUS - I AT SSRM	12/5/2013	9:00	12/5/2013	17:00	ODB	ER-I	AMP WORK	NLDC
	400 KV Rourkela-Sundargarh #1, 400 KV Sundargarh-	05.12.2013	8:00	05.12.2013	17:00	ОСВ	ER-II	Isolator Checking, Attending Punch Points	
42	Raigarh#1	05.12.2013	8:00	05.12.2013	17:00	ОСВ	EK-II	isolator checking, Attending Punch Points	NLDC
43	400 KV RANCHI - MAITHON	12/5/2013	7:00	12/6/2013	18:00	ODB	ER-I	FOR STRINGING OF 400 KV D/C RNC - RNC TL - II AT 4B/0 TO 5/0	
44	400 KV RNC - RAGHUNATHPUR	12/5/2013	7:00	12/6/2013	18:00	ODB	ER-I	FOR STRINGING OF 400 KV D/C RNC - RNC TL - II AT 4B/0 TO 5/0	DVC
45	400 KV MAIN BAY OF ARMABAG - DURGAPUR	12/5/2013	7:00	12/5/2013	15:00	ODB	WBSETCL	MAINTENANCE WORK	
46	400 KV TALCHER - ROUREKALA - I	12/6/2013	9:00	12/7/2013	18:00	ODB	NTPC	AMC WORK	NLDC
47	160 MVA ICT-II at Malda	06.12.2013	8:00	08.12.2013	18:00	ОСВ	ER-II	For completion of HVW & NIFS fire fighting system.	WBSETCL
48	400kV BUS-II at Angul	06.12.2013	9:00	07.12.2013	17:00	ODB	ER-II	BUS-II Extension	
49	400 KV NORTH BUS - II AT SSRM	12/6/2013	9:00	12/6/2013	17:00	ODB	ER-I	AMP WORK	NLDC
								FOR POWER CROSSING WORK OF 400 KV SSRM DALTANGANJ	
50	400 KV SSRM - NABINAGAR D/C	12/6/2013	8:00	12/8/2013	17:00	ODB	ER-I	BETWEEN 1A/0 - 2/0)	
51	220 KV RENGALI - RENGALI SY- I	12/6/2013	7:00	12/6/2013	16:00	ODB	OPTCL	AMC WORK	
52	220 KV RENGALI - RENGALI SY- I	12/7/2013	7:00	12/7/2013	16:00	ODB	OPTCL	AMC WORK	
53	400 KV PTN - BALIA - 3	12/8/2013	9:30	12/8/2013	17:30	ODB	ER-I	AMP WORK	NLDC
54		08.12.2013	07.00	0812-2013	17.00		ER-II		NLDC
55	400kV Maithon - Koderma II & L/R at maithon					OSPT ODB	ER-II	Replacement of 400kV Bushings of Line Reactor	NLDC/BHUTAN
	400kV New Siliguri - TALA Circuit # 4	08.12.2013	8:00	10.12.2013	17:00			For Stringing of earth wire in missing spans (theft)	NLDC/BHUTAN
56	400 KV SAGARDIGHI - SUBHASGRAM	12/8/2013	7:00	12/8/2013	15:00	ODB			
57	400 KV PTN - BALIA - 4	12/9/2013	9:30	12/9/2013	17:30	ODB	ER-I	AMP WORK	NLDC
58	220KV Birpara-Salakati Ckt-l	09.12.2013	9:00	09.12.2013	17:00	ODB	ER-II	Insulator replacement work damaged due to miscreants	NLDC/BHUTAN
59	400KV Rourkela - SEL Ckt I	09.12.2013	9:00	09.12.2013	16:00	ODB	ER-II	Numerical relay retrofitting	NLDC
60	400 KV BAKRESWAR - ARAMBAG	12/9/2013	7:00	12/11/2013	15:00	ODB	WBSETCL	MAINTENANCE WORK	
	400 KV BUS TRANSFER BUS & BUS TRANSFORMER BAY								
61	AT JERAT	12/9/2013	7:00	12/9/2013	15:00	ODB		MAINTENANCE WORK	
62	400 KV KHLG - BARH - I	12/10/2013	8:00	12/10/2013	17:00	ODB	ER-I	LINE MAINTENANCE WORK	NLDC
63	220KV Birpara-Salakati Ckt-II	10.12.2013	9:00	10.12.2013	17:00	ODB	ER-II	Insulator replacement work damaged due to miscreants	NLDC/BHUTAN
64	400kV Bolangir-Meramundali Line	10.12.2013	9:00	11.12.2013	17:00Hrs	ODB	ER-II	Beam extension	NLDC
65	315MVA, 400/220KV ICT # I at Baripada	10.12.2013	10:00	10.12.2013	17:00	ODB	ER-II	For installation of Remote OTI under NTAMC project	OPTCL
66	220 KV BUS - I AT SSRM	12/10/2013	9:00	12/10/2013	17:00	ODB	ER-I	AMP WORK	BIHAR
	400 KM BUS LAT BNS		0.00		17:00	000	5D.I	AMP WORK. IT INVOLVES S/D OF125 MVAR B/R AT RNC AS IT IS	
67	400 KV BUS - I AT RNC	12/10/2013	9:00	12/10/2013	17:00	ODB	ER-I	ONLY CONNECTED WITH BUS - I	JSEB
68	220 KV TRANSFER BUS AT NPRN	12/10/2013	9:00	12/10/2013	17:00	ODB	ER-I	AMP WORK	BIHAR
								TO ATTEND CLEARANCE PROBLEM OF 400 KV PTN - BARH - 3 & 4	
69	400 KV PTN -BARH - 3	12/10/2013	8:00	12/10/2013	16:00	ODB	ER-I	WITH 400 KV BSF - MUZ - 1& 2	NLDC
		1	1				1	TO ATTEND CLEARANCE PROBLEM OF 400 KV PTN - BARH - 3 & 4	
70	400 KV PTN - BARH - 4	12/10/2013	8:00	12/10/2013	16:00	ODB	ER-I	WITH 400 KV BSF - MUZ - 1 & 2	NLDC
70		 	+				+	TO ATTEND CLEARANCE PROBLEM OF 400 KV PTN - BARH - 3 & 4	THE CONTRACTOR OF THE CONTRACT
71	400 KV BSF - MUZ - I	12/10/2013	8:00	12/10/2013	11:30	ODB	ER-I		NLDC
/1		_	+				 	WITH 400 KV BSF - MUZ - 1& 2	INLUC
72	400 KV BSF - MUZ-2	12/10/2013	12:00	12/10/2013	16:00	ODB	ER-I	TO ATTEND CLEARANCE PROBLEM OF 400 KV PTN - BARH - 3 & 4	NU DC
72						000	NITOG	WITH 400 KV BSF - MUZ - 1& 2	NLDC
73	400 KV TALCHER - ROUREKELA - II	12/10/2013	9:00	12/12/2013	18:00	ODB	NTPC	AMC WORK	NLDC
74	315 MVA ICT - I AT ARAMBAG	12/10/2013	7:00	12/10/2013	15:00	ODB		MAINTENANCE WORK	
75	220 KV RENGALI P.H - KANIHA	12/10/2013	8:00	12/11/2013	17:00	ODB	OPTCL	AMC WORK	

76	220KV Birpara-N.Siliguri Ckt-I	11.12.2013	9:00	11.12.2013	17:00	ODB	ER-II	Insulator replacement work damaged due to miscreants	1
77	315MVA, 400/220KV ICT # II at Baripada	11.12.2013	10:00	11.12.2013	17:00	ODB	ER-II	For installation of Remote OTI under NTAMC project	OPTCL
78	220 KV BUS - II AT SSRM	12/11/2013	9:00	12/11/2013	17:00	ODB	ER-II	AMP WORK	BIHAR
76	220 KV BO3 - II AT 33KIVI	12/11/2013	9.00	12/11/2013	17.00	ООВ	EN-I	FOR POWER CROSSING WORK OF 400 KV SSRM- DALTANGANJ (BITAN
79	400 KV SSRM - BSF -III	12/11/2013	8:00	12/13/2013	17:00	ODB	ER-I		NLDC
73	+						+	BETWEEN 4/0 - 5/0) FOR POWER CROSSING WORK OF 400 KV SSRM- DALTANGANJ (NEDC
80	400 KV SSRM - BALIA	12/11/2013	8:00	12/13/2013	17:00	ODB	ER-I	BETWEEN 4/0 - 5/0)	NLDC
81	400 KV BUS - II AT RNC	12/11/2013	9:00	12/11/2013	17:00	ODB	ER-I	AMP WORK	JSEB
82	400 KV FARAKKA - KAHALGAON - I	12/11/2013	9:30	12/11/2013	17:30	OCB	NTPC	CT REPLACEMENT IN MAIN & TIE BAY & RELAY TESTING	NLDC
83	315 MVA ICT - 3 AT JERAT	12/11/2013	7:00	12/11/2013	15:00	ODB		MAINTENANCE WORK	NEDC .
84	400 KV BSF - BALIA - 2	12/12/2013	8:00	12/12/2013	17:30	ODB	ER-I	FOR MAINTENANCE WORK.	NLDC
85	220KV Birpara-N.Siliguri Ckt-II	12.12.2013	9:00	12.12.2013	17:00	ODB	ER-II	Insulator replacement work damaged due to miscreants	11250
86	160MVA, 220/132KV ICT # Lat Baripada	12.12.2013	10:00	12.12.2013	17:00	ODB	ER-II	For installation of Remote OTI under NTAMC project	OPTCL
87	220 KV TRANSFER BUS AT SSRM	12/12/2013	9:00	12/12/2013	17:00	ODB	ER-I	AMP WORK	BIHAR
88	315 MVA ICT - 2 AT ARAMBAG	12/12/2013	7:00	12/12/2013	15:00	ODB		MAINTENANCE WORK	E I I I I I
89	400 KV JSR - RKL - II	12/13/2013	9:00	12/13/2013	17:00	ODB	ER-I	LINE MAINTENANCE WORK	NLDC
90	400 KV RNC - SIPAT - I & II	12/13/2013	7:00	12/14/2013	18:00	ODB	ER-I	FOR STRINGING OF 400 KV D/C RNC - RNC TL - II AT 69/0 TO 70/0	
91	400 KV BSF - BALIA - 1	12/13/2013	8:00	12/14/2013	17:30	ODB	ER-I	FOR MAINTENANCE WORK.	NLDC
92	400 KV Binaguri- Bongaigaon-I	12/13/2013	9:00	13.12.2013	17:00	ODB	ER-II	Insulator replacement work damaged due to miscreants	NLDC
93	MAIN BAY OF 400 KV ARAMBAG - PPSP - I	12/13/2013	7:00	12/13/2013	15:00	ODB		MAINTENANCE WORK	NEDC
94	400 KV PTN - BALIA - 1	12/14/2013	9:30	12/14/2013	17:30	ODB	ER-I	AMP WORK	NLDC
95	400 KV Binaguri- Bongaigaon-II	14.12.2013	9:00	14.12.2013	17:00	ODB	ER-II	Insulator replacement work damaged due to miscreants	NLDC
96	400 KV KHLG - BSF - 1	12/15/2013	7:00	12/24/2013	17:00	OCB	ER-I	CONSTRUCTION WORK OF LILO OF SAID AT 400/132 KV	NLDC
97	400 KV KHLG - BSF - 2	12/15/2013	7:00	12/24/2013	17:00	OCB	ER-I	CONSTRUCTION WORK OF LILO OF SAID AT 400/132 KV	NLDC
98	400 KV KHLG - BSF - 2	12/15/2013	9:30	12/16/2013	17:30	OCB	NTPC	CT REPLACEMENT IN MAIN & TIE BAY & RELAY TESTING	NLDC
99	400 KV KIEG - BST - 2 400 KV JERAT - BAKRESWAR	12/15/2013	7:00	12/15/2013	15:00	ODB	WBSETCL	MAINTENANCE WORK	NEDC
100	220Kv Maithon-Kalyaneshwari I line	16.12.2013	08.00	16.12.2013	17.00	OSPT	ER-II	AMP of Bay equipments	DVC
101	220 KV Dalkhola-Siliguri-I	16.12.2013	8:00	16.12.2013	18:00	ODB	ER-II	Retroffitting of CTs under ADDCAP	DVC
101								-	WBSETCL/132 KV BIR -
102	132 KV Main Bus at Birpara	16.12.2013	11:00	16.12.2013	16:00	ODB	ER-II	Balance work of ERSS-IV	BIR(WB) - D/C WILL BE OUT
102								FOR POWER CROSSING WORK OF 400 KV SSRM- DALTANGANJ (BIN(VB) B/C WILL BE COT
103	400 KV SSRM - BSF -III	12/16/2013	8:00	12/18/2013	17:00	ODB	ER-I	BETWEEN 5A/0 - 6/0)	NLDC
							1	FOR POWER CROSSING WORK OF 400 KV SSRM- DALTANGANJ (
104	400 KV SSRM - BALIA	12/16/2013	8:00	12/18/2013	17:00	ODB	ER-I	BETWEEN 5/0 - 6/0)	NLDC
105	+	12/16/2012	7:00	12/16/2013	15:00	ODB	WBSETCL	MAINTENANCE WORK	
	I315 MVA ICT - 3 AT ARAMBAG	112/16/2013							
LLUb	315 MVA ICT - 3 AT ARAMBAG 400 KV BUS REACTOR AT BAKRESWAR	12/16/2013			15:00	ODB			
106 107	400 KV BUS REACTOR AT BAKRESWAR	12/16/2013	7:00	12/18/2013	15:00 17:30	ODB ODB	WBSETCL	MAINTENANCE WORK	NLDC
107	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2	12/16/2013 12/17/2013	7:00 9:30	12/18/2013 12/17/2013	17:30	ODB	WBSETCL ER-I	MAINTENANCE WORK AMP WORK	NLDC NLDC
107 108	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA- N.PURNEA -I	12/16/2013 12/17/2013 17.12.2013	7:00 9:30 8:00	12/18/2013 12/17/2013 17.12.2013	17:30 16:00	ODB ODB	WBSETCL ER-I ER-II	MAINTENANCE WORK AMP WORK AMP	NLDC NLDC
107 108 109	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA- N.PURNEA -I 220 KV Malbase-Birpara	12/16/2013 12/17/2013 17.12.2013 17.12.2013	7:00 9:30 8:00 9:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013	17:30 16:00 17:00	ODB ODB	WBSETCL ER-I ER-II ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants	
107 108 109 110	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA- N.PURNEA -I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013	7:00 9:30 8:00 9:00 9:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013	17:30 16:00 17:00 18:00	ODB ODB ODB ODB	WBSETCL ER-I ER-II ER-II NTPC	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK	
107 108 109 110 111	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N.PURNEA -I 220 KV MAIDAS-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013	7:00 9:30 8:00 9:00 9:00 7:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013	17:30 16:00 17:00 18:00 15:00	ODB ODB ODB ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK	NLDC
107 108 109 110	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N. PURNEA - I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/17/2013	17:30 16:00 17:00 18:00 15:00 17:00	ODB ODB ODB ODB ODB ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK	
107 108 109 110 111 112 113	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N. PURNEA - I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/17/2013 12/18/2013	17:30 16:00 17:00 18:00 15:00 17:00	ODB ODB ODB ODB ODB ODB ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-I	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK	NLDC NLDC NLDC
107 108 109 110 111 112 113 114	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA- N.PURNEA -I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220KV Maithon-Kalyaneshwari II line	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 12/18/2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 08.00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00	ODB ODB ODB ODB ODB ODB ODB ODB ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-I ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments	NLDC NLDC
107 108 109 110 111 112 113	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N. PURNEA - I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220KV Maithon-Kalyaneshwari II line 220 KV Dalkhola-Siliguri-II	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 18:00	ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-I	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP	NLDC NLDC NLDC
107 108 109 110 111 112 113 114 115	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N.PURNEA - I 220 KV MAIDAS - Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220 KV Maithon-Kalyaneshwari II line 220 KV Dalkhola-Siliguri-II 220KV Chukha-Birpara-I	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 08.00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013 12/19/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00	ODB ODB ODB ODB ODB ODB ODB ODB ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-I ER-II ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP Insulator replacement work damaged due to miscreants	NLDC NLDC NLDC DVC
107 108 109 110 111 112 113 114 115 116	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N. PURNEA - I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220KV Maithon-Kalyaneshwari II line 220 KV Dalkhola-Siliguri-II	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 08.00 8:00 9:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 17:00 17:00 17:00	ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-II ER-II ER-II ER-II ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP	NLDC NLDC NLDC DVC
107 108 109 110 111 112 113 114 115 116 117	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N. PURNEA - I 220 KV MAIDAS - BIFIPARA 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220 KV Dalkhola-Siliguri-II 220 KV Dalkhola-Siliguri-II 220 KV Chukha-Birpara - I 125 MVAR BUS REACTOR - II AT PATNA 315 MVA ICT - 4 AT ARAMBAG	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/18/2013 12/18/2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 8:00 9:00 9:30	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013 12/19/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/19/2013 12/19/2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 17:00 17:00 17:00 17:30	ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-I ER-II ER-II ER-II ER-II ER-II WBSETCL	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP Of Bay equipments Retroffitting of CTs under ADDCAP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN -	NLDC NLDC NLDC DVC NLDC/BHUTAN
107 108 109 110 111 112 113 114 115 116 117	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N. PURNEA - I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220KV Maithon-Kalyaneshwari II line 220 KV Dalkhola-Siliguri-II 220KV Chukha-Birpara-I 125 MVAR BUS REACTOR - II AT PATNA 315 MVA ICT - 4 AT ARAMBAG 132 kV Birpara-WBSETCL-I	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/18/2013 12/18/2013 12/18/2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 08:00 9:00 9:30 7:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 12/19/2013 12/19/2013 12/19/2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 17:00 17:00 17:30 15:00	ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-II ER-II ER-II ER-II ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP	NLDC NLDC NLDC DVC
107 108 109 110 111 112 113 114 115 116 117 118	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA- N.PURNEA -I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220KV Maithon-Kalyaneshwari II line 220 KV Dalkhola-Siliguri-II 220KV Chukha-Birpara-I 125 MVAR BUS REACTOR - II AT PATNA 315 MVA ICT - 4 AT ARAMBAG 132 kV Birpara-WBSETCL-I 220KV Chukha-Birpara-II	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 18.12.2013 12/18/2013 12/18/2013 12/18/2013 12/18/2013 12/19/2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 08:00 8:00 9:00 9:30 7:00 9:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 18.12.2013 18.12.2013 18.12.2013 18.12.2013 18.12.2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 17:00 17:00 17:30 15:00 15:00 17:00	ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP Insulator replacement work damaged due to miscreants	NLDC NLDC NLDC DVC NLDC/BHUTAN WBSETCL NLDC/BHUTAN
107 108 109 110 111 112 113 114 115 116 117 118 119 120	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA- N.PURNEA -I 220 KV MAIDAS-BIFDARA 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220 KV Dalkhola-Siliguri-II 220 KV Dalkhola-Siliguri-II 220 KV DALKHOLA-BIFDARA-II 125 MVAR BUS REACTOR - II AT PATNA 315 MVA ICT - 4 AT ARAMBAG 132 kV Birpara-WBSETCL-I 220KV Chukha-Birpara-II 400 KV Keonjhar-Baripada	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/18/2013 12/18/2013 12/18/2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 8:00 9:00 9:30 7:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 12/19/2013 12/19/2013 12/19/2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 17:00 17:00 17:30 15:00 15:00	ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-I ER-II ER-II ER-II ER-II ER-II ER-II ER-II ER-II ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP	NLDC NLDC NLDC DVC NLDC/BHUTAN WBSETCL
107 108 109 110 111 112 113 114 115 116 117 118 119 120	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N. PURNEA - I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220KV Maithon-Kalyaneshwari II line 220 KV Dalkhola-Siliguri-II 220KV Chukha-Birpara-I 125 MVAR BUS REACTOR - II AT PATNA 315 MVA ICT - 4 AT ARAMBAG 132 kV Birpara-WBSETCL-I 220KV Chukha-Birpara-II 400 KV Keonjhar-Baripada 400 KV Keonjhar-Rengali	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/18/2013 12/18/2013 12/19/2013 19.12.2013 19.12.2013 19.12.2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 8:00 9:00 9:30 7:00 7:00 9:00 9:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12.2013 20.12.2013 20.12.2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 17:00 17:00 17:00 15:00 15:00 15:00 18:00 18:00	ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP Insulator replacement work damaged due to miscreants AMP/BALANCE CONST WORK	NLDC NLDC NLDC DVC NLDC/BHUTAN WBSETCL NLDC/BHUTAN NLDC/BHUTAN
107 108 109 110 111 112 113 114 115 116 117 118 119 120	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA- N.PURNEA -I 220 KV MAIDAS-BIFDARA 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220 KV Dalkhola-Siliguri-II 220 KV Dalkhola-Siliguri-II 220 KV DALKHOLA-BIFDARA-II 125 MVAR BUS REACTOR - II AT PATNA 315 MVA ICT - 4 AT ARAMBAG 132 kV Birpara-WBSETCL-I 220KV Chukha-Birpara-II 400 KV Keonjhar-Baripada	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/18/2013 12/18/2013 12/18/2013 12/18/2013 12/18/2013 12/18/2013 12/18/2013 12/18/2013 19.12.2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 08:00 8:00 9:30 7:00 7:00 9:00 9:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 12/18/2013 18.12.2013 18.12.2013 12/18/2013 12/18/2013 12/19/2013 12/19/2013 12/19/2013 19.12.2013 20.12.2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 17:00 17:00 17:30 15:00 15:00 17:00 18:00	ODB	WBSETCL ER-II ER-II NTPC WBSETCL OPTCL ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP Insulator replacement work damaged due to miscreants AMP/BALANCE CONST WORK AMP/BALANCE CONST WORK AMP/BALANCE CONST WORK	NLDC NLDC NLDC DVC NLDC/BHUTAN WBSETCL NLDC/BHUTAN NLDC/BHUTAN
107 108 109 110 111 112 113 114 115 116 117 118 119 120 121	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N. PURNEA - I 220 KV Malbase-Birpara 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220KV Maithon-Kalyaneshwari II line 220 KV Dalkhola-Siliguri-II 220KV Chukha-Birpara-I 125 MVAR BUS REACTOR - II AT PATNA 315 MVA ICT - 4 AT ARAMBAG 132 kV Birpara-WBSETCL-I 220KV Chukha-Birpara-II 400 KV Keonjhar-Baripada 400 KV Keonjhar-Rengali	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/18/2013 12/18/2013 12/19/2013 19.12.2013 19.12.2013 19.12.2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 8:00 9:00 9:30 7:00 7:00 9:00 9:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 17.12.2013 12/19/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12.2013 20.12.2013 20.12.2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 17:00 17:00 17:00 15:00 15:00 15:00 18:00 18:00	ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP Insulator replacement work damaged due to miscreants AMP/BALANCE CONST WORK	NLDC NLDC NLDC DVC NLDC/BHUTAN WBSETCL NLDC/BHUTAN NLDC NLDC NLDC
107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122	400 KV BUS REACTOR AT BAKRESWAR 400 KV PTN - BALIA - 2 400 KV MALDA - N. PURNEA - I 220 KV MAIDAS - BIPPARA 400 KV TALCHER - RENAGALI - I MAIN BAY OF 400 KV ARAMBAG - PPSP - II 220 KV JEYPORE - JAYANAGAR - I 400 KV KHLG - BARH - II 220 KV Dalkhola-Siliguri-II 220 KV Dalkhola-Siliguri-II 220 KV Chukha-Birpara-I 125 MVAR BUS REACTOR - II AT PATNA 315 MVA ICT - 4 AT ARAMBAG 132 KV Birpara-WBSETCL-I 220KV Chukha-Birpara-II 400 KV Keonjhar-Baripada 400 KV Keonjhar-Rengali 132 KV MAIN BUS AT PRN S/S	12/16/2013 12/17/2013 17.12.2013 17.12.2013 12/17/2013 12/17/2013 12/17/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/18/2013 12/18/2013 12/19/2013 19.12.2013 19.12.2013 19.12.2013 12/19/2013	7:00 9:30 8:00 9:00 9:00 7:00 7:00 8:00 08.00 8:00 9:30 7:00 7:00 9:00 9:00 9:00	12/18/2013 12/17/2013 17.12.2013 17.12.2013 12/19/2013 12/19/2013 12/17/2013 12/18/2013 18.12.2013 18.12.2013 18.12.2013 12/18/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013	17:30 16:00 17:00 18:00 15:00 17:00 17:00 17:00 17:00 17:00 15:00 17:00 15:00 15:00 17:00 15:00 17:00 18:00 17:00	ODB	WBSETCL ER-I ER-II ER-II NTPC WBSETCL OPTCL ER-I ER-II	MAINTENANCE WORK AMP WORK AMP Insulator replacement work damaged due to miscreants AMC WORK MAINTENANCE WORK AMC WORK LINE MAINTENANCE WORK AMP of Bay equipments Retroffitting of CTs under ADDCAP Insulator replacement work damaged due to miscreants CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN - MAINTENANCE WORK AMP Insulator replacement work damaged due to miscreants CAMP/BALANCE CONST WORK AMP/BALANCE CONST WORK AMP/BALANCE CONST WORK AMP/BALANCE CONST WORK AMP WORK. ALL 132 KVS TO BSEB WILL REMAIN OFF DURING S/D DUE TO SMT SCHEME.	NLDC NLDC NLDC DVC NLDC/BHUTAN WBSETCL NLDC/BHUTAN NLDC NLDC NLDC

126	132 KV BIRPARA - BIRPARA(WB) - I	12/19/2013	7:00	12/19/2013	15:00	ODB	WBSETCL	MAINTENANCE WORK	
127	400 KV JERAT - BAKRESWAR	12/19/2013	7:00	12/21/2013	15:00	ODB		MAINTENANCE WORK	
128	220 KV TARKERA - BUDHIPADAR - I	12/19/2013	8:00	12/20/2013	16:00	ODB		AMC WORK	
129	220 KV TARKERA - BODTIFADAR - 1	12/19/2013	7:00	12/21/2013	16:00	ODB		AMC WORK	
130	220 KV RENGALI P.H - TTPS	12/20/2013	8:00	12/21/2013	17:00	ODB		AMC WORK	
131	132 kV Birpara-WBSETCL-II	12/20/2013	7:00	12/20/2013	15:00	ODB		AMP & Relay retrofitting	WBSETCL
132	220KV Maithon-Dhanbad-l	20.12.2013		20.12.2013	14.00	OSPT		AMP	DVC
133	400 KV Malda-Farakka-I	20.12.2013		20.12.2013	18:00	ODB	ER-II	Balance construction work of new bay.	NLDC
134	220 KV Dalkhola-Malda-I	20.12.2013		20.12.2013	18:00	ODB	ER-II	Retroffitting of CTs under ADDCAP	
135	220KV Budhipadar - Korba Ckt III	20.12.2013		20.12.2013	18:00	ODB		Numerical relay retrofitting	NLDC/OPTCL
136	125 MVAR BUS REACTOR - I AT PATNA	12/20/2013	9:30	12/21/2013	17:30	ODB		CONSTN. WORKS FOR TIE BAY ERECTION OF 400 KV PTN -	
137	132 KV TRANSFER BUS AT PRN	12/20/2013	9:00	12/20/2013	17:00	ODB	ER-I	AMP WORK	BIHAR
138	132 KV BIRPARA - BIRPARA(WB) - II	12/20/2013	7:00		15:00	ODB		MAINTENANCE WORK	
139	400 KV BUS - II AT MERAMUNDALI	12/20/2013	7:00	12/20/2013	16:00	ODB	OPTCL	AMC WORK	
140	765 KV GAYA - FATEHPUR	12/21/2013	8:00	12/21/2013	18:00	ODB	ER-I	AMP WORK	NLDC
141	400 KV JERAT - KOLAGHAT	12/22/2013	7:00	12/22/2013	15:00	ODB	WBSETCL	MAINTENANCE WORK	
142	220 KV Dalkhola-Malda-II	23.12.2013	8:00	23.12.2013	18:00	ODB	ER-II	Retroffitting of CTs under ADDCAP	
	422 W DELIDI DUNADA ON D /O OF DOED	42/24/2042	0.00	42/26/2042	47.00	ODB	ER-I	FOR POWER CROSSING WORK OF 400 KV SSRM- DALTANGANJ (
143	132 KV DEHRI DUMRAON D/C OF BSEB	12/24/2013	8:00	12/26/2013	17:00	ODB	EK-I	BETWEEN 34/0 - 35/0)	BIHAR
144	400 KV TALCHER - RENAGALI - II	12/24/2013	9:00	12/26/2013	18:00	ODB	NTPC	AMC WORK	
145	220 KV Dalkhola-Purnea-I	26.12.2013	8:00	26.12.2013	18:00	ODB	ER-II	Retroffitting of CTs under ADDCAP	
146	220 KV TTPS - JODA - I	12/26/2013	7:00	12/28/2013	16:00	ODB	OPTCL	AMC WORK	
147	315 MVA ICT AT SAGARDIGHI	12/27/2013	8:00	12/27/2013	15:00	ODB	WBSETCL	MAINTENANCE WORK	
148	220 KV JEYPORE - JAYANAGAR - II	12/27/2013	7:00	12/27/2013	17:00	ODB	OPTCL	AMC WORK	NLDC
149	220 KV Dalkhola-Purnea-II	28.12.2013	8:00	28.12.2013	18:00	ODB	ER-II	Retroffitting of CTs under ADDCAP	
150	220 KV JEYPORE - JAYANAGAR - II	12/28/2013	7:00	12/28/2013	17:00	ODB		AMC WORK	NLDC
151	220 KV TARKERA - BUDHIPADAR - II	12/29/2013	8:00	12/29/2013	16:00	ODB		AMC WORK	
152	400 KV SAGARDIGHI - FARAKKA	12/29/2013	7:00	12/29/2013	15:00	ODB		MAINTENANCE WORK	
153	400 KV MERAMUNDALI - MENDHASAL	12/29/2013	8:00	12/29/2013	16:00	ODB		AMC WORK	
154	400 KV BUS - I AT MERAMUNDALI	12/29/2013	7:00	12/29/2013	16:00	ODB		AMC WORK	
155	220 KV TARKERA - BUDHIPADAR - II	12/30/2013		12/30/2013	16:00	ODB		AMC WORK	
156	400 KV TALCHER - GMR - I	1/2/2014		1/4/2014	18:00	ODB		AMC WORK	NLDC/OPTCL
157	400 KV TALCHER - MERAMUNDALI - II	1/8/2014		1/10/2014	18:00	ODB		AMC WORK	NLDC/OPTCL
158	400/220/ KV ICT - I AT TALCHER	1/14/2014		1/17/2014	18:00	ODB		AMC WORK	OPTCL
159	400/220/ KV ICT - II AT TALCHER	1/28/2014	9:00	1/31/2014	18:00	ODB	NTPC	AMC WORK	OPTCL