

Eastern Regional Power Committee

Minutes of 113th OCC Meeting held on 14th September, 2015 at ERPC, Kolkata

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

Item no. A.1: Confirmation of minutes of 112th OCC meeting of ERPC held on 21.08.2015

The minutes were uploaded in ERPC website and circulated vide letter dated 08.09.15 to all the constituents. No comments were received till date.

Members may confirm the minutes.

Deliberation in the meeting

*ERLDC requested for a modification in the deliberation of **item no. B2** as follows:*

“ERLDC explained & opined that JITPL should inform GRIDCO. OCC advised GRIDCO and JITPL to resolve the issue bilaterally.”

Members confirmed the minutes of 112th OCC Meeting with the above amendment.

PART B

Item no. B.1: Opening of Tie at TTPS (220 kV TTPS to Biharshariff transmission line)

JUSNL vide letter dated 08.09.15 intimated that Jharkhand State is under acute crisis of power due to planned shutdown of 210 MW unit no. #1 of TTPS for 02 months and poor generation of PTPS as well as low water level in reservoirs at Sikidiri Hydel Power Project. Unit No.#2 of TTPS is running on 170 MW load. In this way 100 MW power is flowing towards Biharshariff grid and only 40 – 50 MW is coming towards Ranchi.

Due to this uneven flow of power 220 kV line (PGCIL Ranchi to Hatia) is getting overloaded and load goes upto 200 – 250 MW during peak hour. This line is nearly 50 years old and condition is not so good largely due to stone crushing industries in the vicinity of this line and it is apprehended that outage of this line may lead to almost blackout in Ranchi complex.

To avoid overloading on this line & for safer load flow management it is requested to give permission for running of TTPS U#2 210 MW with Biharshariff tie line in open condition at TTPS. Kindly take up the matter with ERLDC Kolkata and resolve the crisis at Ranchi complex of JUSNL.

Members may discuss.

Deliberation in the meeting

JUSNL explained that when one unit of Tenughat TPS is under shut down the power flow towards Biharshariff (around 100 MW) creates overloading in 220 kV S/C Ranchi –Hatia line which may lead to tripping of this line and ultimately the capital city of Ranchi get blackout situation.

After deliberation, OCC advised ERLDC to carry out the load flow analysis and place the results in next OCC.

OCC advised JUSNL to provide the relevant information to ERLDC and also participate in the load flow analysis.

Item no. B.2: Preparation of Load Generation Balance Report (LGBR) of ER for 2016-17

As per the IEGC under Clause 5.7.4 of Principal Regulations, first amendment in 2012 under sub-Regulation (a), (b), (c) and (d) states that

- a) "The RPC Secretariat shall be primarily responsible for finalization of the Annual Load Generation Balance Report (LGBR) and the annual outage plan for the following financial year by **31st December of each year**. The LGBR shall be prepared by the respective RPC Secretariat for Peak as well as Off-peak scenarios".
- b) "Each SLDC shall submit LGBR for its control area, for Peak as well as Off-Peak scenario, by **31st October** for the next financial year, to respective RPC Secretariat".
- c) "RPC Secretariat shall then come out with draft LGBR and draft outage plan for the next financial year by **30th November** of each year for the regional grid taking"
- d) "The outage plan shall be finalized in consultation with NLDC and RLDCs. The final LGBR after considering comments/observations of the stakeholders shall be prepared by RPC Secretariat by **31st December of each year**. The....."

So, the planning of maintenance of generating units of various generating companies of the region as well as outage of transmission system on annual basis in respect of Eastern Region for the year 2016-17 is to be finalised by **31st December, 2015**. To facilitate the preparation of LGBR of Eastern Region by ERPC Secretariat within the above schedule period, the following data/ information for the year **2016-17** in respect of the constituents/ generators of Eastern Region is required:

State and Central Sector Generators/ IPPs/CPPs

- i) The unit wise and station wise monthly energy generation proposed from existing units during 2016-17 (thermal/hydro/RES).
- ii) Annual maintenance programme for each of the generating units (thermal and hydro both).
- iii) Generating units under R&M/ long outage indicating date of outage and reasons of outage and expected date of return (thermal and hydro both).
- iv) Partial and forced outage figures (in %) of generating units for the last 3 years.
- v) Month wise peak demand (MW) – restricted and unrestricted peak demand.
- vi) Month wise energy requirement (in MU).
- vii) Schedule of commissioning of new generating units during 2016-17 and unit-wise monthly generation programme (in MU).
- viii) Allocation of power from new generating units.

CTU / STU / Powerlinks / ENICL

Month wise annual planned outage of transmission systems (Transmission lines 220kV and above/ICTs/Reactors/other elements).

It is therefore requested to please send the above information (as applicable) on or before **31.10.2015** for compilation of data and preparation of **LGBR of ER for the year 2016-17**.

Information should be submitted in the form of soft copy through email (mail ID: **rpc.ercp@gov.in / mserpc-power@nic.in**).

Members may submit the data for LGBR by 31.10.2015.

Deliberation in the meeting

The house was informed that LGBR for the year 2016-17 at ERPC Secretariat needs to be finalized by 31st December, 2015. So, all the utilities have to submit the relevant data pertaining to their system as given above.

OCC advised all constituents to submit the relevant information by 31st October 2015 without fail. All constituents agreed to submit.

Item no. B.3: Furnishing data on Power Purchase Agreements (PPA)

You are aware that Central Electricity Authority has been collecting data from different sources on various aspects of the power sector, to disseminate the information to all the stakeholders of the sector. As a part of the process, CEA decided to build a data base on Power Purchase Agreements (PPAs) which are required for assessing the installed generation capacity available in the states. Accordingly, a format was devised to collect the data from all the DISCOMs on a regular basis, for analysis and report on various PPA- related issues. The format circulated to all the constituents. This data would be used to make policy decisions for the overall development of the power sector and to bring out a quarterly publication for stake-holder benefit.

Therefore, constituents are requested to furnish the details of PPAs (long, medium and short term) from existing and proposed power plants as per the format to CEA by mail (email: rmrao@nic.in and rstomar@nic.in) with a copy to this office by mail (mserpc-power@nic.in)

111th OCC requested all the constituents to submit the requisite details of PPAs as per the format to CEA by mail as given above with a copy to ERPC.

It was informed that Bihar has already submitted the data.

Other constituents agreed to submit the details at the earliest.

Subsequently, CESC, DPL, GMR and Tala have submitted the requisite data.

In 112th OCC, it was informed that WBSEDCL has submitted the requisite data.

OCC advised DVC, Odisha and JUSNL to send the relevant information.

DVC, Odisha and JUSNL may send the requisite information.

Deliberation in the meeting

JUSNL and Odisha have submitted the requisite data.

DVC informed that they will submit the data by next week.

Item no. B.4: 11KV Auxiliary power supply of Powergrid Substation.

a) 11KV Aux. power supply at 400/220KV Patna Substation:

In 112th OCC, BSPTCL informed that the issue is being considered and they are exploring to give 33 kV supply from 220/132/33 kV Sipara GSS with existing load of 420 KVA (which is lesser than 1000 KVA load for getting 33 kV supply) as a special case.

OCC advised BSPTCL & Powergrid to interact & settle the issue.

Powergrid/BSPTCL may update.

Deliberation in the meeting

Powergrid informed that the issue was not yet settled and a discussion with higher authority of SBPDCL is in progress.

b) Auxiliary Supply of Rangpo 400/ 220/ 132KV Substation:

At present the 11KV feeder used for the auxiliary supply of Rangpo 400/ 220/132KV Substation is not reliable. There is frequent outage of the feeder. For reliable auxiliary supply a 11KV dedicated had been constructed from Namthang Substation of Sikkim Energy and Power Department on deposit basis. POWERGRID had already deposited the entire amount as per the demand note submitted by Energy and Power Department of Sikkim. The Namthang substation had already been commissioned. However the 11KV dedicated feeder has not been charged till date.

In 111th OCC, Sikkim informed that the 11 kV dedicated feeder will be charged within next 10 days.

In 112th OCC, status could not be updated as Sikkim representatives were not present in the meeting. OCC advised Powergrid to pursue the issue with DoP, Sikkim.

Powergrid and Sikkim may update the status.

Deliberation in the meeting

Sikkim informed that there are ROW issues in some portion of 11 kV line which would be settled within a week.

Item no. B.5: In-sufficient clearance between R & Y Phase of 132 KV Kahalgaon (NTPC)-Lalmatia line.

NTPC vide mail dated 11.07.15 reported that similar (to 1st July, 2015's fault) phase to phase (R-Y) fault occurred on 11th July 2015 during stormy weather at 16:14 hrs in 132 KV Kahalgaon (NTPC)- Lalmatia line at 100 meters from NTPC Kahalgaon end. Distance numerical relay installed in said line recorded approx 12 KA fault current in R & Y phase. KhSTPS station LT auxiliaries were adversely affected during this incident due to excessive dip in system voltage. It may please be noted that similar fault in same phase at same distance are repeatedly occurring in recent past. This may lead to unit tripping in future due to tripping of Unit LT auxiliaries.

In 111th OCC, JUSNL informed that though the line is owned by JUSNL, the O&M of the line from tower location no 1 to 49 is under the jurisdiction of BSPTCL and from location no 49 to rest up to Lalmatia is looked after by JUSNL. Since the defects are at Kahalgaon end the same has to be rectified by BSPTCL.

However, BSPTCL informed that they need specific direction from JUSNL to carry out the above job.

OCC advised BSPTCL & JUSNL to cooperate and carry out re-tensioning of the line near to KhSTPS so that the clearance can be achieved between R and Y phase for safe operation of line.

In 112th OCC, BSPTCL informed that the shutdown is allowed today (i.e. 21.08.15) and the work is in progress. It is expected to be completed by today.

JUSNL/ NTPC/ BSPTCL may update.

Deliberation in the meeting

JUSNL and BSPTCL informed that the work has been completed on 21.08.2015.

Item no. B.6: On-site Protection Audit by the Consultant to conduct the study/ Analysis to ensure Secure and Reliable Operation of National Grid – Submission of Formats.

Second Grid Study Committee (GSC) meeting was held at NLDC, New Delhi on 16th July, 2015 to finalize the modalities for implementation of the review of protection audit by the joint venture of M/s Tractabel, Romania, M/s Tractabel, India and M/s Lehmeier International Private Limited, India. In the meeting, it was decided that M/s Tractabel will carry out the on site Protection audit of the 15 shortlisted substations of the Eastern Region.

The consultant also submitted the format of checklist and a format of bus bar and breaker failure protection details to be filled up by the respective constituents. The formats are already circulated to respective nodal officers vide letter dated 31-07-2015 and the softcopy of the format is also available in ERPC website www.erp.gov.in.

Nodal officers are requested to fill the audit checklist of your respective substation as per the format available in ERPC website and submit to GM, NLDC and CE(GO), CEA with a copy to ERPC Secretariat by 17th August, 2015 so that M/s Tractabel can start the proceedings for on site protection audit of Eastern Region.

Subsequently, DVC, BSPTCL and OPTCL have submitted the required data.

Powergrid, JUSNL, WBSETCL and OHPC may submit the requisite information.

Deliberation in the meeting

Member Secretary, ERPC informed that the audit may start from November, 2015. So, ERPC have to submit all the requisite data to consultants by the end of September, 2015.

OHPC submitted the requisite information.

OCC advised Powergrid, JUSNL and WBSETCL to submit the format of checklist and format of bus bar and breaker failure protection details as available in ERPC website within a week.

Item no. B.7: Synchronisation of Unit #1 (350 MW) of Ind Barath Energy (UTKAL) Ltd. (IBEUL) with the Grid

In line with decision taken in the special meeting on the issue held on 10.08.15, PGCIL vide letter dated 07.09.15 has clarified that the protection co-ordination at IBEUL end in both the Lines i.e. IBEUL - SNG & IBEUL - Raigarh are satisfactory.

IBEUL vide mail dated 07.09.15 had submitted their tentative schedule for injection of infirm power on 09.09.15 and they have also indicated in the Format the tests to be performed & they will go up to 45 MW only.

IBEUL/ERLDC may update.

Deliberation in the meeting

ERLDC informed that IBEUL unit #1 has been synchronized with the grid on 11-09-2015 and injected upto 60 MW of infirm power into the grid.

Commissioning of 400 kV Ind-Bharath to Jharsuguda D/C (dedicated line)

In the special meeting held on 10.08.15, Ind-Barath informed that:

- 120 towers foundations out of total 125 towers have been completed and 115 have been erected; 6 towers are under progress.
- Stringing work of 31 km out of 40 km line is completed.
- The bay work at 400 kV Jharsuguda (Kenapalli) S/s is in advanced stage, being executed under the consultancy of Powergrid, will be completed ahead of line.
- Line is expected to commissioned by November, 2015.

Ind-Bharath may update the status.

Deliberation in the meeting

Ind-Barath vide letter dated 14.09.2015 informed that:

- *120 towers foundations out of total 125 towers have been completed and 117 have been erected and 2 are in progress.*
- *Stringing work of 31.015 km out of 42 km line has been completed and 0.45 km is in progress.*
- *The bay work at 400 kV Jharsuguda (Kenapalli) S/s is in advanced stage, being executed under the consultancy of Powergrid, will be completed ahead of line.*
- *Line is expected to be commissioned by November, 2015.*

Item no. B.8: Status of PLCC system installed in Eastern Region

In 30th TCC/ERPC, Powergrid agreed to restore the PLCC system at both ends (its own end as well as the constituent end) of a line wherein the other ends are not operational for some reasons or others as one time job.

111th OCC advised Powergrid to place their requirement along with cost estimate as per the Powergrid norms.

In 112th OCC, Powergrid informed that the details will be submitted by next OCC.

Powergrid may update the status.

Deliberation in the meeting

Powergrid informed that the detail report is in progress and will be submitted by next OCC.

Item no. B.9: Future requirement of Special Energy Meters and DCDs ---Powergrid

30th TCC approved and recommended to ERPC for approval of procurement of SEM meters as per list finalized in 109th OCC.

ERPC concurred the proposal.

In 110th OCC, Powergrid informed that the procurement process will be initiated by next month.

Subsequently, ERLDC intimated that total 104 locations are required new DCD/Laptops and they are in process of procuring 110 DCD / Laptops for the Eastern Region.

In 111th OCC, members recommended for procurement of 110 Laptops with special interface for downloading the SEM data.

In 112th OCC, ERLDC informed that the proposal for procurement of 965 SEMs and 110 laptops was initiated by Powergrid and the Technical Specification (TS) has been forwarded by Powergrid for vetting of the same by ERLDC.

Powergrid informed that the TS has been prepared by Powergrid and ERLDC should vet it for finalization.

ERLDC informed that these SEMs should be of 0.01 Hz step.

ERLDC/Powergrid may update.

Deliberation in the meeting

Powergrid informed that still the TS is due for vetting in ERLDC.

ERLDC assured to complete the formalities at the earliest.

- a) In 109th OCC, OPTCL requested for replacement of seven nos. of existing DCDs.

OCC advised Powergrid to do the needful.

Powergrid and OPTCL may update.

Deliberation in the meeting

Powergrid-Odisha informed that 6 DCDs are available and they will replace.

- b) MPL vide mail dated 15.07.15 informed that:

- Three nos of following SEM's are not responding through DCU since May, 2015:
 - a) GT-2 : Serial no. NP-7496-A
 - b) RMRBL-1 (Main) : Serial no. NP-7854-A
 - c) RMRBL-2 (Main) : Serial no. NP-7382-A
- DCD is not working properly, it needs replacement. It has been communicated to PGCIL, Maithon.
- OPGW cable work is completed, but its panel erection and commissioning is pending.

In 111th OCC, Powergrid was advised to check the SEMs and to replace it if needed.

Powergrid, ER-I informed that 1 DCD can be given to MPL.

OCC advised MPL to collect the DCD from Powergrid.

In 112th OCC, Powergrid informed that above listed SEMs at MPL will be replaced today.

MPL vide mail informed that AMR system commissioning pending in 03 Nos. of New SEM replaced at MPL on 21.08.2015. They are listed below:

- a. GT-2 (NP-7972-A)
- b. RMRBL-1 (Main) (NP-7970A)
- c. RMRBL-2 (Main) (NP-7971-A)

MPL/ Powergrid may update.

Deliberation in the meeting

Powergrid informed that the three DCDs have been replaced at MPL and AMR related issues will be taken care under AMR project.

Item no. B.10: Status of UFRs healthiness installed in Eastern Region

UFR Healthiness Certification for the month of August, 2015 has been received from DVC and WBSETCL only.

OPTCL, CESC, JUSNL and BSPTCL may update.

Deliberation in the meeting

*All the respective constituents submitted the UFR healthiness certificates of their system. The same is enclosed at **Annexure- B.10**.*

Item no. B.11: Healthiness of SPS existing in Eastern Region

In 107th OCC, all constituents agreed to check the SPS system under their control area and submit the healthiness certificate on monthly basis.

110th OCC advised all the concerned utilities to submit formal healthiness certificate for their respective parts in SPS.

112th OCC advised Powergrid-Odisha, ER-II, NTPC (TSTPS) and JITPL to send the healthiness certificate of SPS on monthly basis.

GMR has submitted the healthiness certificate of their SPS for August, 2015. Powergrid Odisha & ER-II, NTPC (TSTPS), SSL, JITPL & Chuzachen may submit the healthiness certificate for their SPS.

Deliberation in the meeting

Powergrid-Odisha & ER-II, Chuzachen and Sterlite have submitted the healthiness certificate vide mail.

OCC advised NTPC, TSTPS to submit the healthiness certificate for SPS installed in their system on monthly basis.

Item no. B.12: Investigation of operation of various SPSs during trippings on 24.5.2015 in WR

WRPC vide letter dated 30.07.2015 informed that after tripping of 400kV Chittor-Tiruvalem-I & II and subsequent generation loss of 1500 MW in SR, the HVDC Talcher-Kolar pole I & II tripped on valve cooling problem after around 5 minutes. This led to increase in flow of 765kV Solapur-Raichur D/C line to around 1573 MW resulting in tripping from Raichur end.

In view of above WRPC requested to check the SPS for generation backing down/tripping envisaged for HVDC Talcher-Kolar pole I & II as per the designed scheme.

Members may discuss.

Deliberation in the meeting

ERLDC informed that both the SPSs i.e. SPS at Talcher NTPC station and SPS for 600 MW additional relief were operated successfully on 24.05.2015.

OCC advised NTPC, SSL, GMR and JITPL to submit the detail of operation of SPS for the occasion of 25.05.15.

Item no. B.13: Installation of polymer insulators on New Transmission lines

In the 30th ERPC Meeting held on 20.06.2015, Powergrid representative delivered a brief presentation highlighting the benefits of Polymer insulators vis-à-vis porcelain/anti-fog disc type insulators mainly on account of high number of trippings of transmission lines due to flashover of insulators.

Powergrid proposed the scheme for new transmission lines as well as the existing ones and at the same time assured that there would be no extra financial burden on the constituents for replacement of the insulators.

Powergrid was advised to submit a detailed roadmap for implementation of this scheme along with other requisite details.

In 110th OCC, Powergrid informed that procurement action has been initiated and within two three months it is expected to be completed. It was further informed that as advised by 30th ERPC the roadmap for replacement will be placed on ascertaining the exact position of availability of insulators.

OCC advised Powergrid to place the roadmap and tentative shutdown plan in next OCC meeting.

In 111th OCC, Powergrid informed that the order had been placed for polymer insulator with delivery schedule of four (4) months. The details will be placed shortly.

112th OCC advised Powergrid to place through official communication a roadmap and tentative shutdown plan for replacement of insulators.

Powergrid may update.

Deliberation in the meeting

*Powergrid ER-I has submitted the tentative schedule of replacement work, which is enclosed at **Annexure-B.13**.*

OCC advised Powergrid to submit the detail schedule inclusive of time required for replacement etc. so that the same may be put up for further discussion and approval.

Item no. B.14: Status of Islanding Schemes of Eastern Region

B.14.1: Status of commissioned Islanding Schemes in Eastern Region

At present, the following islanding schemes are in service:

1. CESC as a whole Islanding Scheme, CESC
2. BkTPS Islanding Scheme, WBPDC
2. Tata Power Islanding Scheme, Haldia
3. Chandrapura TPS Islanding Scheme, DVC

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

110th OCC advised all the concerned utilities to submit formal healthiness certificate for their respective Islanding Schemes.

The healthiness certificate for Islanding Scheme for August, 2015 was received from BkTPS and Tata Power.

DVC and CESC may submit the healthiness certificate.

Deliberation in the meeting

*Healthiness certificate for all the islanding schemes have been received. Certificates are enclosed at **Annexure-B14.1**.*

B.14.2: FSTPS Islanding Scheme, NTPC

In 30th TCC meeting, NTPC informed that all panels related to the islanding scheme have been commissioned and their part is ready for implementation.

In the meeting with consultant of Grid Study Committee held on 03.09.15, NTPC informed that all cable laying for implementation of islanding scheme completed. Cable termination for bay wise breaker trippings and unit linked wirings is in progress and will be completed by 30.09.2015.

In 110th OCC, JUSNL informed that the payment was cleared on 25.06.2015.

Powergrid informed that the payment has been received from JUSNL and JUSNL part will be implemented tentatively within 6 months.

In 111th OCC, Powergrid informed that the work has been awarded.

In 112th OCC, Powergrid informed that order has been placed and the work will be completed within 6 months.

Powergrid/ JUSNL may update the status.

Deliberation in the meeting

NTPC informed that cable laying for implementation of islanding scheme was completed. Cable termination for bay wise breaker trippings and unit-linked wirings is in progress and will be completed by 30.09.2015.

Powergrid informed that scheme drawings are under approval stage; the work is expected to be completed as per schedule.

B.14.3: Bandel Islanding Scheme, WBPDC

In 23rd TCC technical feasibilities of new Islanding schemes on Bakreswar and Bandel TPS of WBPDC were placed and approved.

Thereafter, it was also decided that implementation of Bandel Islanding scheme will commence after Islanding Schemes for Bakreswar TPS will be in place.

Since, BkTPS islanding scheme is already in operation implementation of Bandel Islanding Scheme could be taken up.

In 30th TCC meeting, WBPDC informed that four numbers of old units (each of 60 MW) at Bandel TPS required to be renovated for implementation of islanding scheme. Unit#5 of Bandel TPS is having capacity of HP, LP bypass of 30% and it is under renovation. However, further detail deliberation is required for implementation of the scheme.

TCC advised secretariat to discuss the technical details of the scheme again in the lower forum of ERPC.

In 112th OCC, WBPDCCL delivered a presentation for the Islanding scheme in Bandel TPS.

After detailed deliberation, OCC felt that with single unit (unit#5 of 250 MW), the islanding scheme is difficult to survive. However, OCC referred the issue to PCC for further discussion.

Members may note.

Deliberation in the meeting

OCC advised WBPDCCL to present the islanding scheme in PCC meeting scheduled to be held on 15.09.2015.

Item no. B.15: Concerned members may update the latest status.

B.15.1. Status of construction of 400 kV Sterlite-Jharsuguda D/C sections

In 111th OCC, Powergrid informed that during the meeting they have given some formats which needs to be filled by SSL before finalization of targets.

SSL informed that they will submit the formats within 3-4 days.

In 112th OCC, Powergrid informed that Sterlite has submitted the filled formats, however the details planning like tentative dates for supply etc. was not mentioned.

Sterlite agreed to submit it with complete details within a week.

OCC advised Sterlite to give the progress report on monthly basis to ERPC Secretariat.

Till date Sterlite has not submit the filled up formats as well as progress report.

Powergrid/Sterlite may update.

Deliberation in the meeting

*Sterlite submitted the required formats with detailed information as desired which is enclosed at **Annexure-B.15.1**.*

PG-Odisha requested OCC to send a team for site visit and accordingly the target for Sterlite may be set up for completion of the job.

On enquiry, Sterlite informed that ROW problem still persists and forest clearances also yet to be received.

OCC took serious note and advised Sterlite to expedite the construction work.

B.15.2. Status of construction of Chuzachen bay at Rangpo S/s.

In 30th TCC meeting, Sikkim informed that MOU has been signed with Powergrid on 24th April, 2015 and the advance payment will be released by next week.

Powergrid informed that they will place the order after receipt of advance payment.

In 110th OCC, Sikkim informed that payment has been approved by Government of Sikkim and the advance payment will be made to Powergrid by 15th July, 2015.

In 111th OCC, Sikkim informed that the payment will be released by end of July, 2015.

Sikkim may update.

Deliberation in the meeting

Sikkim representative informed that PFC will release the payment by September 2015.

B.15.3. Non availability of important bays at FSTPP end

In 109th OCC, NTPC informed that 400kV FSTPP-KhSTPP-IV Tie bay will be charged by 1st week of June, 2015.

In 112th OCC, NTPC informed that the work will be completed by September, 2015.

NTPC may update.

Deliberation in the meeting

NTPC informed that the work will be done after October, 2015.

B.15.4. Non-availability of Tie bay of 400kV Sagardighi-Bhramapore-II

In 109th OCC, WBPDCI informed that all the bay equipments are available and the tie bay will be commissioned by end of June, 2015.

In 112th OCC, WBPDCI informed that relay settings are yet to be received from consultant.

WBPDCI may update.

Deliberation in the meeting

WBPDCI informed that relay settings are yet to be received from consultant (DCPL).

OCC advised WBPDCI to expedite it as this is an important element and in case of exigency the power transfer to Bangladesh may get affected due to non availability of tie bay.

It was also advised that in case the consultants are not responding, WBPDCI may take help from WBSETCL for relay settings.

B.15.5. 220 kV inter-connecting lines of OPTCL with 400/220 kV Bolangir (PG), Keonjhar & Pandiabil S/s

PGCIL has already commissioned the 2x315MVA 400/220kV Bolangir S/s by LILoing of 400kV Meramandali-Jeypore S/C line and 400/220 kV Keonjhar S/s with an objective of supplying power from ER grid to its adjoining areas in Odisha.

In 112th OCC, OPTCL updated the completion schedule of inter-connecting system as follows:

Sl. No.	Name of the transmission line	Completion schedule
1.	2x315MVA 400/220kV Bolangir S/s	
a.	LILo of one circuit of Sadeipalli-Kesinga 220 kV D/C line at Bolangir S/S	5 out of 14 completed. Dec, 2015 (Severe ROW problem)

b.	LILO of one circuit of Katapalli-Sadeipalli 220 kV D/C line at Bolangir S/S	One tower left due to forest clearance. End of October, 2015
2.	400/220 kV Keonjhar S/S	
a.	Keonjhar (PG)-Keonjhar (OPTCL) 220 kV D/C line	Yet to be awarded
b.	Keonjhar (PG)-Turumunga (OPTCL) 220 kV D/C line	Yet to be awarded
3.	400/220kV Pandiabil Grid S/s	
a.	Pratapsasan(OPTCL)-Pandiabil (PG) 220 kV D/C line	It will take 1 year for completion.
b.	LILO of one circuit of Atri-Puri (Samangara) 220 kV D/C line at Pandiabil (PG)	Work yet to be started.

OPTCL may update.

Deliberation in the meeting

OPTCL updated the completion schedule as mentioned in above table.

B.15.6. 220 kV inter-connecting lines of BSPTCL with 2x200 MVA, 400/132 kV sub-stations at Lakhisarai & Banka

In 30th TCC, BSPTCL informed that at present they are drawing power from 400/132 kV Lakhisarai S/s through LILO of 132 kV Lakhisarai (BSPTCL)-Jamui S/C at Lakhisarai(PG).

In 112th OCC, BSPTCL informed that LILO of 132 kV Lakhisarai (BSPTCL) - Jamui S/C at Lakhisarai(PG) was removed after the charging of 132 kV Lakhisarai (PG)-Lakhisarai (BSPTCL) D/C line which was earlier temporary arrangement for drawing power from 400/132 kV Lakhisarai (PG).

BSPTCL updated the latest status as follows:

Sl. No.	Name of the transmission line	Completion schedule
1.	The 2x200 MVA, 400/132 kV Lakhisarai sub-station	
a.	132 kV Lakhisarai (PG)-Lakhisarai (BSPTCL) D/C line	Charged
b.	132 kV Lakhisarai-Jamui (BSPTCL) D/C line	End of September, 2015. ROW problem in single span.
2.	2x200 MVA, 400/132 kV Banka sub-station	
a.	LILO of 1 st circuit of Banka (BSPTCL)-Sabour (BSPTCL) 132 kV D/C line at Banka (PG)	Charged.
b.	LILO of 2 nd circuit of Banka (BSPTCL)-Sabour (BSPTCL) 132 kV D/C line at Banka (PG)	End of Sep, 2015
c.	132 kV Banka (PG)-Sultanganj (BSPTCL) line-I	Completed
d.	132 kV Banka (PG)-Sultanganj (BSPTCL) line-II	Completed

BSPTCL may update.

Deliberation in the meeting

BSPTCL updated the completion schedule as mentioned in above table.

Item no. B.16: Third Party Protection Audit

1. Status of 1st Third Party Protection Audit:

The compliance status of 1st Third Party Protection Audit observations is as follows:

Name of Constituents	Total Observations	Complied	% of Compliance
Powergrid	54	37	68.52
NTPC	16	14	87.50
NHPC	1	1	100.00
DVC	40	26	65.00
WB	68	27	39.71
Odisha	59	27	45.76
JUSNL	34	16	47.06
BSPTCL	16	5	31.25
IPP (GMR, Sterlite and MPL)	5	5	100.00

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

Members may comply.

Deliberation in the meeting

OCC advised all the constituents to comply the pending observations at the earliest.

2. Schedule for 2nd Third Party Protection Audit:

The latest status of audit is as follows:

- | | |
|--------------------------------------|---|
| 1) Jeerat (PG) | Completed on 15 th July 2015 |
| 2) Subashgram (PG) | Completed on 16 th July 2015 |
| 3) Kolaghat TPS (WBPDC)- | Completed on 7 th August 2015 |
| 4) Kharagpur (WBSETCL) 400/220kV - | Completed on 7 th August 2015 |
| 5) Bidhannagar (WBSETCL) 400 & 220kV | Scheduled to be done during 8 to 10 Sep, 15 |
| 6) Durgapur (PG) 400kV S/s | Scheduled to be done during 8 to 10 Sep, 15 |
| 7) DSTPS(DVC) 400/220kV | Scheduled to be done during 8 to 10 Sep, 15 |
| 8) Mejia (DVC) TPS 400/220kV | Scheduled to be done during 8 to 10 Sep, 15 |

The audit schedule is circulated in the meeting.

Members may decide the schedule for September/October, 2015.

Deliberation in the meeting

OCC decided to carry out the protection audit in 400kV Mendhasal (OPTCL), Talcher STPS (NTPC), Angul (PG), GMR and JITPL S/s during September/October, 2015.

Item no. B.17: Handing over of 400 kV LILO of Farakka-Subhasgram at SgTPP & 400 kV D/C SgTPP- Parulia line – WBPDC

During deliberation in 30th TCC held on 19.06.15, Powergrid informed that

1. LILO portion will be maintained as per the agreement with WBPDC.

2. Regarding 400kV Sg TPP-Parulia D/C line, the AMC contract will be extended up to December, 2015 and in the meantime WBPDCCL has to plan for alternate arrangement for O&M of this line.

In 112th OCC, Powergrid informed that the agreement for AMC for 400kV Sg TPP-Parulia D/C line will be forwarded to WBPDCCL within 7 days.

Powergrid/WBPDCCL may update.

Deliberation in the meeting

Powergrid informed that MOU for AMC of 400kV Sg TPP-Parulia D/C line will be signed by end of September 2015.

Item no. B.18: 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 plan 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.

Members may note and comply.

Deliberation in the meeting

Member Secretary informed that during interaction with consultants of Grid Study Committee, NLDC agreed that they will plan for conducting workshops on crisis management plan for Cyber Security and few workshops will also be held in Eastern Region.

CESC vide letter dated 22.08.15 had furnished their status of the preparation of Crisis Management Plan (CMP) for Cyber attacks in their system.

Item no. B.19: Certification through BIS as per IS 18001:2007 to all generating/transmission units.

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, OHPC and CESC informed that their stations are certified with IS18001.

In 104th OCC, WBPDCCL informed that Bandel TPS is certified with IS 18001.

OPTCL vide letter No. TB-SO-MISC-9/2010/1914 dated 20.12.2014 had proposed to go for IS 18001:2007 certification as per direction of CEA.

Members may note and update the status.

Deliberation in the meeting

CESC informed that Budge-Budge Generating station (3x250 MW) has renewed their certification of BS 18001:2007.

Item no. B.20: 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 comply.

Deliberation in the meeting

Members noted.

Item no. B.21: Data of Peak Demand

The peak demand met figure calculated by CEA is a part of the monthly Power Supply Position Report prepared by CEA, based on the data provided by five Regional Power committee (RPCs), who in turn collect the data from State / UTs and RLDCs. As per the present methodology being adopted for calculation of States /Regional peak demand met, the figure of peak demand met at any time in the month is taken as peak demand met for the month. For all India monthly peak demand met, the sum of five regional peaks met, which may occur at different points of time is taken.

The above methodology has been reviewed and it has been decided with the approval of Chairperson, CEA that Peak demand Met and Peak Demand in the country should be based on hourly all India demand data. The matter was taken up with POSOCO for getting the hourly data of peak demand met for each month in respect of all the regions in the country in the first week of following month and they have assured to furnish the same. To calculate the demand, data of hourly scheduled and unscheduled power-cuts / load shedding is also required, which is not available with POSOCO.

It is, therefore, requested that hourly figures of scheduled/ unscheduled power cuts/load shedding data may be collected from States / UTs and the same may be sent to CEA every month as per above schedule in the enclosed format, in spread sheet, so that hourly figures of peak demand can be calculated and incorporated in Power Supply Position report.

This data for a month may kindly be sent in the first week of each month, along with PSP data, starting from the data for the month of February, 2015. The format for sending the data of hourly scheduled and unscheduled power-cuts / load shedding has already been circulated.

In 108th OCC advised all constituents to submit the data on first week of every month. All constituents agreed.

In 110th OCC meeting, OCC advised all the concerned utilities (BSPTCL, JUSNL, OPTCL, WBSETCL & Sikkim) to send the data of hourly scheduled and unscheduled power-cuts / load shedding by mail to mserpc-power@nic.in latest by first week of each month.

Only DVC has submitted the data for the month of August, 2015.

BSPTCL, JUSNL, WBSETCL, CESC, OPTCL and Sikkim may submit the data.

Deliberation in the meeting

CESEC and JUSNL submitted the relevant data.

BSPTCL, WBSETCL and OPTCL agreed to submit the data within two days.

Item no. B.22: Restricted Governor Mode of Operation

The latest status of units of ER under RGMO is available at ERPC website (<http://www.erp.gov.in/>) under Operation>Important data.

In 108th OCC, ERLDC informed that the RGMO/FGMO response of the generators needs monitoring on continuous basis.

OCC advised ERLDC to intimate the event of sudden drop in frequency to the generators and requested all generators to provide the RGMO/FGMO response data to ERLDC during the said incidents.

In 110th OCC, ERLDC informed that there was a generation loss of 1100MW at 19:25hrs on 16th June, 2015 and subsequent response of most of the generators were not satisfactory. FRC calculation for Eastern Region was circulated.

OCC advised all the generators to go through and place the response for this event in next OCC meeting.

In 111th OCC, ERLDC gave presentation on FRC response for Talcher- Kolar HVDC tripping at 13:16 Hrs on 26.06.15 and generation loss of 1800MW due to Phagi tripping at 16:26 hrs on 10.07.15. It was informed that subsequent responses of most of the generators were not satisfactory.

OCC advised all the generators to go through and submit the response for this event to ERLDC for FRC response.

MPL has submitted their generators response to ERPC and ERLDC vide mail dated 08-08-2015.

In 112th OCC, ERLDC informed that there was another incidence of tripping of 1000MW wind generation in Northern Region on 19.08.15.

ERLDC requested all the constituents to send the generator response.

DVC vide letter dated 20.08.2015 has submitted the response of CTPS U#7 for outage of 1200 MW from system on 16.06.15 at 19:26 hrs.

Members may update.

Deliberation in the meeting

Members noted.

Item no. B.23: Pollution mapping for Eastern Region

The Pollution Mapping work in ER was started with on-site measurement of ESDD and NSDD. The latest available status is as follows:

Utility	Scope	Installed Locations	Number of locations where 1 st set of Measurements Completed	Remarks
JUSNL	67	27	0	From 5.6.15, 5 persons entrusted. Sample collection done, measurement yet to be done.
BSPTCL	59	52	5	Will be started from next month.
WBSETCL	73	70	43	Work is in progress.
OPTCL	164	102	87	Work is in progress.
Sikkim	12	9	6	Work is in progress.
Powergrid	40	40	16	Work is in progress.

In 110th OCC, Powergrid informed that the 1st set of measurements should have been completed by 30th June, 2015 however very few measurements were received from the constituents.

OCC advised all constituents to complete the 1st set of measurements by 15th July, 2015 and send to Powergrid.

All constituents agreed.

In 112th OCC, WBSETCL informed some measurement kits are not working properly. The Nodal Officer of WBSETCL has been changed and the same will be communicated.

OCC advised WBSETCL to communicate the issue to Powergrid.

OCC advised all constituents to complete the 1st set of measurements and send to Powergrid/CPRI.

Powergrid may update.

Deliberation in the meeting

Powergrid updated the latest status as follows:

Utility	Scope	Installed Locations	Number of locations where 1 st set of Measurements Completed
JUSNL	67	27	6

BSPTCL	59	52	5
WBSETCL	73	70	43
OPTCL	164	102	99
Sikkim	12	9	6
Powergrid ER 1	99	99	47
Powergrid ER 2	40	40	16
Powergrid Odisha	43	43	43

OCC advised all constituents to complete the 1st set of measurements and send to Powergrid/CPRI.

Item no. B.24: Mock Black start exercises in Eastern Region – ERLDC

i) The status of black start exercises

The schedule of the proposed black-start exercises for F.Y 2015-16 is as follows:

Sl no	Name of Hydro Station	Schedule	Tentative Date	Schedule	Tentative Date
Test-I					
1	U.Kolab	Last week of May, 2015	Done on 16/07/15	Last Week of January 2016	
2	Maithon	1 st week of June 2015	Sep, 2015	1 st Week of October 2015	
3	Rengali	2 nd week of June 2015	Sep, 2015	Last week of November 2015	
4	U. Indravati	3 rd week of June 2015	Done on 16/07/15	2 nd week of February 2016	
5	Subarnarekha	2 nd week of October 2015		1 st week of January 2016	
6	Balimela	1 st week of November 2015		1 st week of March 2016	
7	Teesta-V	2 nd week of November 2015	1 st week of Nov, 15	Last week of February 2016	
8	Chuzachen	1 st week of May, 2015	1 st week of Nov, 15	2 nd week of January, 2016	
9	Sikidri	Done on 9 th June, 2015			
10	Burla		Jan, 2016		

ERLDC may update.

Deliberation in the meeting

Members updated the above schedule. ERLDC informed that Sikkim has to provide Melli load during black start exercise of Chuzachen HEP and suggested to propose a convenient date for black start exercise in first week of Nov, 2015. Sikkim agreed.

ii) Testing of DG sets meant for Black start

Test run report of DG sets for blackstart has been received only from Odisha hydro units. The test run reports of other machines may be sent to erldc.cal@gmail.com and erldcoutage@gmail.com.

Constituents may kindly ensure compliance.

Deliberation in the meeting

Members noted.

Item no. B.25: Restoration of SCADA data

Updated latest status is circulated in the meeting. During deliberations in 99th OCC it was pointed out by most of the constituents that SCADA problem in many locations are due to behind the schedule progress of work on the part of CTU/PGCIL. OCC advised Powergrid/CTU to expedite and restore at least the priority RTUs by 31st July, 2014.

Updated status as updated in SCADA meeting which was held on 28th January, 2015 is circulated in the meeting.

Updated status is enclosed at **Annexure-B.25**.

CTU/ERLDC may update.

Deliberation in the meeting

CTU/ERLDC updated the latest status enclosed at Annexure-B.25.

Item no. B.26: Auto-Reclose (A/R) scheme of 400kV Jeypore- Gajuwaka D/C line--ERLDC

In the past many incidents of overvoltage tripping of 400kV lines emanating from Jeypore S/Stn had occurred. On further examination, it was observed that most of these overvoltages were associated with SLG faults in 400kV Jeypore-Gajuwaka line.

In the 33rd PCC meeting held on 21-07-15, it was clarified by PGCIL that for 400kV Jeypore-Gajuwaka line, 3-ph tripping and auto-reclosing scheme has been implemented at Gajuwaka end, whereas, at Jeypore 1-ph tripping and auto-reclosing would occur for any SLG fault (in Z-I). PGCIL further explained that 3-phase tripping scheme had been adopted at Gajuwaka end on advice of OEM of HVDC, for avoiding commutation failure of the converter on AC side voltage unbalance & 3rd harmonics, which might occur if 1-ph tripping scheme had been implemented.

In this connection, it is stated that 3-ph tripping at Gajuwaka end and 1-ph tripping at Jeypore end is likely to trigger high voltage condition at Jeypore, as the two healthy phases of the 220km long line remain idle-charged during the dead time. PGCIL may therefore consider implementing 3-ph tripping at Jeypore end also.

It is further requested to take necessary action to ensure that voltage input for the PMU at Jeypore is obtained directly from the 400kV bus PT, instead of the arrangement existing at present. This is essential so that the PMU records the true bus voltage of Jeypore for all possible trippings.

112th OCC advised Powergrid to consider implementation of 3-ph tripping and auto-reclosing scheme at Jeypore end.

Powergrid informed that voltage input to the PMU at 400kV Jeypore S/s has been connected from 400kV bus PT.

Powergrid may update.

Deliberation in the meeting

Powergrid informed that they referred the issue to their corporate office and reply is awaited.

Item no. B.27: Reactive Power performance of Generators and GT tap position optimization

Generating stations have been monitored for sample dates in the month of August 15:

Power Plant	Max and Min Voltage observed for August 2015 (KV)	Date for monitoring (August 15)
Farakka STPS	426,408	02,12
Khalgaon STPS	426,405	01,26
Talcher STPS	409,401	--
Teesta	417,400	--
Bakreshwar TPS	411,395	--
Kolaghat TPS	425,394	01,14
Sagardighi TPS	--	--
MPL	421,409	15,25
Mejia-B	427,416	07,17
DSTPS	427,415	07,17
Adhunik TPS	--	--

ERLDC may update.

Deliberation in the meeting

ERLDC informed that Sagardighi TPS, Adhunik TPS and Sterlite data was not available for analysis and the performance is satisfactory for rest of the generators.

a) Schedule for reactive capability tests

In 112th OCC, members updated the status as follows:

- Adhunik TPS(both units) –Yet to be confirmed by Adhunik
- DSTPS(Unit#2 only pending) –To be done in Sep, 15
- Mejia#8 (only U#8 pending) – November, 2015
- Koderma TPS(both units) –To be done in July15
- JITPL(both units) –Procedure is to be circulated.
- Barh Unit#6 –After PG test

Members may update.

Deliberation in the meeting

Members updated the status as follows:

- a. Adhunik TPS(both units) –Yet to be confirmed by Adhunik
- b. DSTPS(Unit#2 only pending) –To be done in Sep/Nov, 15
- c. Mejia#8 (only U#8 pending) – November, 2015
- d. Koderma TPS(both units) –
- e. JITPL(both units) –Procedure given.
- f. Barh Unit#6 –After PG test

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

In 97th OCC, members requested ERPC Secretariat to convene a special meeting for detail deliberation on tap changing proposal before next OCC.

Accordingly, a special meeting was convened on 27th June, 2014. During the meeting following tap position was agreed:

Sl. No.	Utility	Present GT tap position	Agreed tap position in the meeting
1	APNRL: GT-1	8	9
	APNRL: GT-2	3	4
2	Mejia-B, DVC	4	5
3	DSTPS, DVC	5	6

Subsequently, DVC vide mail dated 3rd July, 2014 informed that GT tap position of MTPS units U#7&8 has been changed from Tap no. 4 to Tap no. 5.

In 102nd OCC, APNRL informed that they have changed the GT tap position of both the GTs as per agreed settings.

DVC vide letter No.LD/25/ERPC/640 dated 03.01.2015 informed that the tap position of DSTPS GT #1 was changed from 5 to 6.

ERLDC assured that they will take care of the voltage problem during synchronization of their generator and advised to change the GT tap position.

110th OCC opined that fixing uniform GT tap position for all the generators does not solve the high voltage problem and it will be decided on requirement of VAR absorption.

OCC advised MPL to change the GT tap position and depending on level of voltage further corrective actions such as increasing GT tap position at Mejia-B, DVC or any other generator will be initiated.

MPL agreed to change the GT tap position by one step on next opportunity shutdown.

In 112th OCC, MPL informed that they will change the GT tap position in 1st week of October, 2015 during their Annual Overhaul.

ERLDC and MPL may update the status.

Deliberation in the meeting

MPL informed that they will change the GT tap position in 1st week of October, 2015 during their Annual Overhaul and requested ERLDC to co-ordinate during the synchronization of their unit.

PART C:: OPERATIONAL PLANNING

Item no. C.1: Shutdown proposal of transmission lines and generating units for the month of October' 15

Members may finalize the Shutdown proposals of the generating stations for the month of October' 15 as circulated in the meeting.

ERLDC may place the shutdown proposals of transmission lines.

Members may confirm.

Deliberation in the meeting

*Approved maintenance programme of generators and transmission elements for the month of Oct, 2015 is at **Annexure-C.1**.*

Item no. C.2: Anticipated power supply position during October'15

The abstract of peak demand (MW) vis-à-vis availability and energy requirement vis-à-vis availability (MU) for the month of October'15 were prepared by ERPC Secretariat on the basis of Provisional LGBR for 2015-16 and feedback of constituents, keeping in view that the units are available for generation and expected load growth etc. is circulated in the meeting.

Members may confirm.

Deliberation in the meeting

*Modified anticipated power supply position for the month of October, 2015 after incorporating constituents' observations is given at **Annexure-C.2**.*

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

(i) Generating units:

Generating Station	UNIT NO	CAP(MW)	REASONS FOR OUTAGE	DATE	Date of restoration
STERLITE	3	600	DE-SYNCHRONISE FOR MAINTENANCE	29-Jun-15	
MPL	1	525	ANNUAL MAINTENANCE	6-Sep-15	
TALCHER	1	500	ANNUAL MAINTENANCE	1-Sep-15	
FARAKKA	4	500	ANNUAL MAINTENANCE	7-Sep-15	
MEJIA	3	210	MAINTENANCE WORK	14-Jul-15	
BANDEL	5	210	LONG MAINTENANCE	16-Nov-12	14/9/15
STERLITE	4	600	DE-SYNCHRONISED DUE TO LESS SCHEDULE	2-Jul-15	
ADHUNIK	2	270	GT TRIPPED	12-Aug-	
MEJIA	4	210	TUBE LEAKGE	10-May-	
MEJIA	5	250	COAL SHORTAGE	9-Aug-15	
KODERMA	1	500	ASH POND PROBLEM	11-Nov-	
DSTPS	2	500	COAL SHORTAGE	16-Jul-15	
MEJIA	2	210	COAL SHORTAGE	10-Aug-	
WARIA	4	210	TUBE LEAKAGE	13-Aug-	
SANTALDIH	5	250	TUBE LEAKAGE	20-Aug-	
SAGARDIGHI	2	300	FURNACE PRESSURE LOW	5-Sep-15	
KOLAGHAT	1	210	TUBE LEAKAGE	3-Sep-15	
KOLAGHAT	4	210	TUBE LEAKAGE	4-Sep-15	
TENUGHAT	2	210	TUBE LEAKAGE	7-Sep-15	

(ii) Transmission elements

Name of the Line/Element	Outage	Reason	Date of restoration
NIL			

Members may update.

Deliberation in the meeting

Members noted.

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

1. 125 MVA B/R at Indravati (PG) was charged for the first time at 16:05 hrs of 01/08/15.
2. LILO of 220kV Ramchandrapur-Jodaup to dead end tower at Chaibasa (JUSNL) was charged for the first time at 19:44hrs of 10/08/15.
3. 400kV New Ranchi-Chandawa-I was anti-theft charged for the first time at 18:28 hrs of 11/08/15.
4. 400kV Baripada-New Duburi and 400kV New Duburi-Mendhasal were charged for the first time at 19:01hrs and 20:11hrs of 17/08/15 respectively. Also 80 MVA BR at New Duburi was charged at 21:07hrs of 17/08/15.
5. 315 MVA ICT-I and II at New Duburi were charged for the first time on no load at 21:02hrs and 21:18hrs of 28/08/15 respectively. Finally 315 MVA ICT-I and II at New Duburi were loaded at 14:24hrs and 15:37hrs of 29/08/15 respectively.
6. 220kV Sasaram (PG)-Sasaram (BSPHCL)-Ara-II was charged for the first time at 18:59hrs of 19/08/15.
7. 400kV Meramundali-New Duburi-II was charged first time at 13:15 hrs on 11/9/15.

Members may update.

Deliberation in the meeting

Members noted.

Item no. C.5: Status of commissioning of generating station and transmission elements

New generating units:

S.No.	Power Plant	Plant Size	Expected date
1	Raghunathpur Unit#1	2x600MW	
2	Sagardighi Unit #3	500 MW	

New transmission elements:

SI No.	Name of Element	Expected date
1	400kV Rajarhat-Purnea D/C(with LILO of one circuit each at Farakka and Gokarno)	
2	Augmentation of 400kV Farakka-Malda D/C with HTLS conductor	
3	400kV Ind-Bharath-Jharsuguda D/C	
4	400kV Talcher-Bramhapur-Gazuwaka D/C	
5	400kv Talcher-Rourkella(2 nd D/C-Quad)	
6	400kV Sterlite-Jharsuguda D/C	
7	LILO of Baripada-Mendhasal D/C at New Duburi	
8	765kv Anugul-Srikakulum D/C	
9	400kV Sasaram-Daltonganj D/C &Daltonganj S/Stn	
10	400 kV Ranchi-Raghunathpur D/C	
11	400 kV Meramandali-Dubri D/C	

12	400 kV IB-Meramandali D/C	
13	220 kV TLDP-IV – NJP ckt-2	
14	220 kV Bidhansai-Cuttack D/C	
15	220 kV Girdih-Koderma D/C	

Members may update.

Deliberation in the meeting

Members noted.

PART D:: OTHER ISSUES

Item no. D.1: UFR operation during the month of August'15

System frequency touched a minimum of 49.66Hz on 13/08/15 at 19:40Hrs. Accordingly, no report of operation of UFR has been received from any of the constituents.

Members may note.

Deliberation in the meeting

Members noted.

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

Vide clause no 5.5.1.(c)(h) of IEGC, non-compliance of SLDC directions by SEB/Distribution licenses/bulk consumers to curtail overdrawal are 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 overdrawal, within two days after the day of operation.

No report from any constituent has yet received. Hence, ERLDC would be considering 'Nil' report for all constituents for July'15.

Members may note.

Deliberation in the meeting

Members noted.

Item no. D.3: Grid incidences during the month of August, 2015

Sl no	Disturbance Place	Date & Time	Generation loss (MW)	Load loss (MW)	Remark	Category
1	Chukha HEP	02/08/15 at 23:44hrs	300	0	All units of Chukha HPS tripped due to tripping of 220kV Chukha-Birpara-D/C tripped on 3-Ø to ground fault.	GD-1
2	Chukha HEP	09/08/15 at 08:06hrs	300	0	All units of Chukha HPS tripped due to tripping of 220kV Chukha-Birpara-D/C tripped on B-Ø to ground fault.	GD-1
3	Chukha HEP	10/08/15 at 14:55 hrs	280	0	All units of Chukha HPS tripped due to tripping of 220kV Chukha-Birpara-D/C	GD-1

					tripped on R-Ø to ground fault.	
4	BSPTCL (Madhepura, Supaul, Katiya) and Part of Nepal	11/08/15 at 13:09hrs	0	300	Total Power failure occurred in part of North Bihar (Madhepura, Supaul, Katiya) due to tripping of 220kV Purnea (PG)-Madhepura-II on B-Ø to ground fault. Power supply to Nepal also got interrupted.	GD-1
5	JUSNL (Chandil)	14/08/15 at 10:10hrs	0	300	Total power failed at 220kV Chandil S/s in JUSNL system due to mal-operation of LBB relay i.r.to 220kV Chandil-Ramchandrapur line	GD-1
6	BSHPCL (Dehri) and Sasaram (PG)	15/08/15 at 13:20hrs	0	250	Various 220kV, 132kV and ICTs emanating from 220kV Dehri S/s and 220kV Sasaram S/s due to conductor of 132kV Dehri-Banjari line snapped at a distance of around 8km from Dehri.	GD-1
7	Chukha HEP	16/08/15 at 23:19hrs	290	0	All units of Chukha HPS tripped due to tripping of 220kV Chukha-Birpara-D/C tripped on 3-Ø to ground fault.	GD-1
8	BSPTCL (Madhepura, Supaul, Katiya) and Part of Nepal	18.08.15, 11:35, 11:42hrs	0	222	Total Power failure occurred in part of North Bihar (Madhepura, Supaul, Katiya) due to tripping of 220kV Purnea (PG)-Madhepura-II on B-Ø to ground fault. Power supply to Nepal also got interrupted.	GD-1
9	WBSETCL (Birpara)	22/08/15 at 20:26hrs	0	100	Power supply failed at Birpara and adjacent area due to bursting of R-Ph LA of 132kV Birpara (PG)- Birpara(WB)-I at Birpara (WBSETCL) end.	-
10	JUSNL (Chandil)	28/08/15 at 16:05hrs	0	314	Total power failed at 220kV Chandil S/s in JUSNL system due to SLG fault occurred in 132kV Ramchandrapur- Adityapur-I and subsequent tripping of all lines from Chandil S/S on operation of LBB relay for 220kV Chandil-Ramchandrapur line.	GD-1

Members may note.

Deliberation in the meeting

Members noted.

Item no. D.4: Any other items.

1. Augmentation of 220/132 kV ICT at 220 kV Birpara S/s of Powergrid ---WBSETCL

At present the installed capacity of above substation is 1x160 + 1x100 MVA. WBSETCL draws power at 132 kV level from 220 kV Birpara S/s through 132 kV Birpara (PG) - Birpara (WBSETCL) D/C line.

The demand on 132 kV bus of 220/132kV Birpara s/s of Powergrid is around 280 MVA including 132kV Birpara, Alipurduar, Coochbehar and Moynaguri S/s of WBSETCL. Normally, Moynaguri (80 MVA) gets power from 220kV NJP s/s but sometimes Moynaguri receives power from Birpara source.

It is observed that maximum loading of 132 kV Birpara (PG) - Birpara (WBSETCL) D/C line has reached around 230 MVA on 20-08-2015 at 8 p.m. So N-1 condition is not satisfied at 220 kV Birpara S/s and the peak load could not be met in case of failure of one ICT.

WBSETCL is constructing 220/132 kV GIS at its existing 132 kV sub-station at Alipurduar. This will be connected with 400kV Alipurduar (PG) S/s by D/C line. The sub-station is scheduled to be commissioned by 2017.

Prior to that time, the argumentation of 220/132kV ICT at Birpara (PG) from 1x160 + 1x100 MVA to 2x160 MVA is urgently required to meet the contingency.

Deliberation in the meeting

Powergrid informed that the replacement of 100 MVA ICT by 160 MVA ICT will take around one month and as per the schedule it will be carried out by March, 2016. Hence, they may require shutdown of one month for 100 MVA ICT at Birpara (PG).

WBSETCL informed that during March, 2016 it will not be possible to allow shutdown of ICT at Birpara (PG). They requested Powergrid to carry out the work during January, 2016 as it will be lean load period.

OCC advised Powergrid to expedite the augmentation work to complete by January, 2016.

2. Replacement of Pilot wire Protection relays for 220KV Durgapur-DVC line-I & II with State of Art Numerical type Line differential protection relays-- Powergrid

Pilot wire protection type HORM-4 is provided in the 220KV Durgapur-DVC Line-I & II at both POWERGRID and DVC ends for protection of the line. For the said purpose, an underground cable is laid between the two stations. The line length of the said feeder is 800m. The protections were commissioned in 1987. Frequent problems are being observed in the pilot wire protection provided in the above line.

Therefore, it is proposed to replace the pilot wire protections at both POWERGRID and DVC end with state of art numerical type line differential protection. Already fiber optic cable is available in the said line required for the line differential protection.

For replacement of the pilot wire protection in 220KV Durgapur-DVC Ckt-I & II with numerical type line differential protections at both POWERGRID & DVC end, total cost involvement will be approximately Rs,20.0 lacs.

Members may discuss

Deliberation in the meeting

OCC agreed to the proposal and referred to Commercial Committee for further approval.

3. Shutdown of 3152 bay at Farakka end for replacement of bay equipments for 400KV Farakka-Malda Ckt-II.---Powergrid

The replacement of bay equipments at Farakka end for 3252 bay has been completed and the same has been charged on 11.09.2015. It is proposed to replace the bay equipments of 3152 bay related to 400KV Farakka-Malda Ckt-II at Farakka end from 2000A to 3150A rating. According shutdown of the 3152bay is required for tentative period of one month from 24.09.2015 to 25.10.2015. During the said period, 3252 bay will be in service and there will not be any power interruption.

For disconnection of the bay, shutdown of 400KV Bus-II at Farakka end is also required on 24.09.2015.

Members may discuss and shutdown of 3152 bay at Farakka end for 400KV Farakka-Malda Ckt-II may be allowed.

Deliberation in the meeting

OCC agreed for the shutdown from 15th to 30th September, 2015.

4. Shutdown of 400KV Farakka-Malda Ckt-II for replacement of line side equipments both at Farakka & Malda---Powergrid

For up-gradation of 400KV Farakka-Malda D/C line, replacement of bay equipments at Farakka and Malda from 2000A rating to 3150A rating are in progress. For replacing the line side equipments at both Farakka and Malda shutdown of line is required.

It is planned to replace the line side equipments of 400KV Farakka-Malda Ckt-II first, accordingly shutdown of 400KV Farakka-Malda Ckt-II is required from 23.09.2015 to 09.10.2015.

Members may discuss and shutdown of 400KV Farakka-Malda Ckt-II may be allowed

Deliberation in the meeting

OCC deferred the issue for next meeting of OCC.

5. Availability of only one 220kV Main Bus in Joda Substation of OPTCL---ERLDC

It has been observed that at Joda S/s only one 220kV Main Bus is available. The other Main Bus is in place but cannot be utilised due to problem in isolators and hence shifting over of feeders to the other Main Bus cannot be done. Consequently, in case of any shutdown requirements for the Bus side isolators or if the Main Bus has to be taken under outage, all the 220kV lines have to be opened from Joda end. As an instance, for rectification of red hot and continuous sparking for R-phase isolator clamp(Bus side) for 220kV Joda-Jindal feeder, the 220kV Bus had to be given shutdown on 13/09/15, and all 220kV outgoing feeders from Joad were required to be opened.

Considering importance of Joda Substation and to enhance reliability of the Grid it is felt that the remaining isolators may be re-commissioned to enable bringing the other 220kV Main Bus and the 220kV Transfer Bus into service.

Deliberation in the meeting

OCC advised OPTCL to look into the issue.

OPTCL agreed to send their views.

Meeting ended with vote of thanks to the chair.

Participants in 113th OCC Meeting of ERPC

Venue: ERPC Conference Room, Kolkata

Time: 11:00 hrs

Date: 14.09.2015 (Monday)

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"Coming together is a beginning, staying together is progress, and working together is success." —Henry Ford

Participants in 113th OCC Meeting of ERPC

Venue: ERPC Conference Room, Kolkata

Time: 11:00 hrs

Date: 14.09.2015 (Monday)

Sl No	Name	Designation/ Organization	Contact Number	Email	Signature
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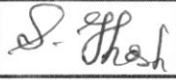


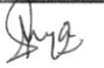
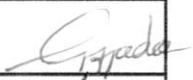
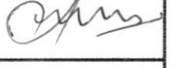
"Coming together is a beginning, staying together is progress, and working together is success." —Henry Ford

Participants in 113th OCC Meeting of ERPC

Venue: ERPC Conference Room, Kolkata

Time: 11:00 hrs

Date: 14.09.2015 (Monday)

Sl No	Name	Designation/ Organization	Contact Number	Email	Signature
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"Coming together is a beginning, staying together is progress, and working together is success." –Henry Ford

Annexure-B10

West Bengal State Electricity Transmission Company Limited

CIN: U40109WB2007SGC113474; Website: www.wbsetcl.in; Phone / Fax No. (033) 2334 9020

Registered Office : Vidyut Bhawan, Block-DJ, Sector-II, Bidhannagar, Kolkata - 700 091



**OFFICE OF THE CHIEF ENGINEER
STATE LOAD DESPATCH CENTRE**

Memo No. SLDC/HOW/18/ **2903**.

Date:- **08**.09.2015

To
The Member-Secretary ,
Eastern Regional Power Committee,
14, Golf Club Road,
Tollygunge,
Kolkata-700 033.

Sub: Status of UFRs installed at WBSETCL sub-stations.

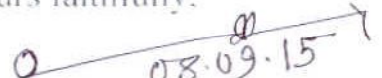
Dear Sir,

As per deliberation in the 105th OCC meeting of ERPC held on 22.01.15, report on UFRs enunciation & PT fuse status for the month of August'15 at different WBSETCL sub-stations is furnished herewith for your record.

Thanking you.

Encl: 1) 5 Nos.

Yours faithfully,


08.09.15

(A. Raichaudhuri)
Chief Engineer, SLDC
WBSETCL

STAGE-I

U/F RELAY SETTING

49.2 HZ

The name of the feeders of WBSETCL under 1st stage U/F relay -AUGUST'15

Sl. No.	Name of Sub-Station	Name of the feeders to be tripped by U/F relay	CERTIFICATES	REMARKS
		Name of feeders		
1	NBU 132 KV	a) 33 KV TCF	D.C. Supply ON. PT fuse O.K.	
		b) 33 KV Kharibari		
		c) 33 KV Ujanu		
		d) 11 KV Teesta		
		e) 11 KV Bagdogra		
		f) 11 KV Phansidewa #2		
2	ULUBERIA 132 KV	a) 33 KV UIGC - 1	D.C. Supply ON. PT fuse O.K.	
		b) 33 KV Banitabla		
		c) 33 KV Foodpark		
		d) 33 KV Amta		
		e) 33 KV UIGC - 2		
3	KALYANI 132 KV	a) 33 KV WBIDC-I	D.C. Supply ON. PT fuse O.K.	
		b) 33 KV WBIDC-II		
		c) 33 KV University - I		
		d) 33 KV University - II		
		f) 6.3 MVA Tr#1		
		g) 5 MVA Tr#2		
4	DHARAMPUR 132 KV	a) 33 KV Panpur	D.C. Supply ON. PT fuse O.K.	
		b) 33 KV Kanchrapara		
		c) 33 KV Gouripur		
		d) 33 KV Cord Road - 1		
		e) 33 KV Cord Road - 2		
		f) 33 KV Jeerat		
5	GANGARAMPUR 132 KV	a) 33 KV Buniadpur-1	D.C. Supply ON. PT fuse O.K.	
		b) 33 KV Buniadpur-2		
		c) 33 KV Salas		
		d) 33 KV Rampur		
		e) 2X6.3 MVA (33/11) Tr#1		
6	CESC			To be confirmed by M/S. CESC

TOTAL

Atal Das
08/09/15

STAGE-2

U/F RELAY SETTING

49.0 HZ

The name of the feeders of WBSETCL under 2nd stage U/F relay-AUGUST'15

Sl. No.	Name of Sub-Station	Name of the feeders with	CERTIFICATES	REMARKS
		Name of feeders		
1	DOMJUR 220 KV	a) 33 KV Jangalpur #1 &2 b) 33KV Jaladhulaguri#1 c) 33 KV Munshirhat	DC SUPPLY ON. PT FUSE O.K.	
2	BAGNAN 231 KV	a) 33 KV Bagnan #1 b) 33 KV Bagnan #2 c) 33 KV Amta d) 33KV Mugkalyan#1&2	DC SUPPLY ON. PT FUSE O.K.	
3	MALDA 132 KV	a) 33 KV Narayanpur b) 33 KV Habibpur c) 33KV Rabindra Bhavan d) 33 KV Manikchak e) 33 KV KPS f) 33 KV Kaliachak g) 33 KV Gazole h) 1X6.3 MVA Tr#1 i) 1X5 MVA Tr#2	DC SUPPLY ON. PT FUSE O.K.	
4	NEW BISHNUPUR 220 KV	a) 33 KV Sonamukhi b) 33 KV Patrashayar	DC SUPPLY ON. PT FUSE O.K.	
5	BORJORA 132 KV	a) 33 KV Borjora-II b) 2X6.3 MVA Tr#1&2	DC SUPPLY ON. PT FUSE O.K.	
6	CESC			To be confirmed by M/S. CESC
TOTAL				

Aldar
02/09/15

STAGE-3
U/F RELAY SETTING
48.8 HZ

The name of the feeders of WBSETCL under 3rd stage U/F relay-AUGUST'15

Sl. No.	Name of Sub-Station	Name of the feeders	CERTIFICATES	REMARKS
		Name of feeders		
1	LILUAH 132 KV	a) 33 KV Kona	DC SUPPLY ON. PT FUSE O.K.	
		b) 33 KV JNP		
		c) 33 KV KTT		
		d) 33 KV MKD		
		e) 33 KV Baltikuri-1		
		f) 33 KV Baltikuri-2		
		g) 33 KV Liluah		
2	NJP 220 KV	a) 33 KV Radhabari	DC SUPPLY ON. PT FUSE O.K.	
		b) 33 KV Raninagar		
		c) 33 KV Dabgram		
		d) 33 KV Fatapukur		
		e) 6.3 MVA Tr-1 & 2		
3	SALT LAKE 132 KV	a) 33 KV M5#1	DC SUPPLY ON. PT FUSE O.K.	
		b) 33 KV M5#2		
4	OLD BISHNUPUR 132 KV	a) 33 KV Kotolpur	DC SUPPLY ON. PT FUSE O.K.	
		b) 33 KV Jaipur		
		c) 33 KV Simlapal		
		d) 33 KV Onda		
		e) 33 KV Bankadaha		
		f) 5 MVA Tr#1 & 2		
		g) 6.3 MVA Tr#3		
5	CESC			To be confirmed by M/S. CESC
TOTAL				

Malder
08/09/15

STAGE-4

U/F RELAY SETTING

48.6 HZ

The name of the feeders of WBSETCL under 4th stage U/F relay AUGUST'15

Sl. No.	Name of Sub-Station	Name of the feeders with load quantum to be tripped by U/F relay	CERTIFICATES	REMARKS
		Name of feeders		
1	SILIGURI 132 KV	a) 33 KV Siliguri-I	DC SUPPLY ON. PT FUSE O.K.	
		b) 33 KV Siliguri-II		
		c) 33 KV Rabindranagar-I		
		d) 33 KV Housing Board		
		e) 33 KV Desbondhu Para		
		f) 33 KV Gangadhor		
2	DARJEELING 132 KV	a) 33 KV Lebong	DC SUPPLY ON. PT FUSE O.K.	
		b) 33 KV Happy Valley		
3	JANGIPARA 132 KV	a) 33 KV Jangipara	DC SUPPLY ON. PT FUSE O.K.	
		b) 33 KV Siakhala		
		c) 33 KV Singti		
		h) 6.3 MVA Tr#1		
4	TAMLUK 132 KV	a) 33 KV Baraberia	DC SUPPLY ON. PT FUSE O.K.	
		b) 33 KV Moyna		
		c) 33 KV Gopalpur		
		d) 33 KV Tamluk		
		e) 6.3 MVA Tr#1 & 2		
5	RISHRA 220 KV	a) 33 KV Borjora-II	DC SUPPLY ON. PT FUSE O.K.	
		b) 33 KV Dankuni-I&II		
		c) 33 KV Kaikala-I&II		
		d) 6.3 MVA Tr#1 & 2		
		e) 6.3 MVA Tr#3 & 4		
		f) 5 MVA Tr#5		
6	CESC			To be confirmed by M/S. CESC
TOTAL				

Atal Dar
08/03/15

STAGE-5

U/F RELAY SETTING

47.6 HZ

The name of the feeders of WBSETCL under 5th stage U/F relay-AUGUST'15

SL. NO.	Name of Feeders	Load (MW)	CERTIFICATES	REMARKS
1	220KV Subhasgram - Laxmikantapur # 1 & 2		DC SUPPLY ON. PT FUSE O.K.	LOAD QUANTUM MAY CHANGE ON NETWORK CONFIGURATION.
2	132 KV Ashoknagar - Jeerat # 1 & 2		DC SUPPLY ON. PT FUSE O.K.	LOAD QUANTUM MAY CHANGE ON NETWORK CONFIGURATION.
3	132 KV Arambag - Raina # 1 & 2		DC SUPPLY ON. PT FUSE O.K.	LOAD QUANTUM MAY CHANGE ON NETWORK CONFIGURATION.
4	132 KV Arambag - Birsingha #1 & 2		DC SUPPLY ON. PT FUSE O.K.	LOAD QUANTUM MAY CHANGE ON NETWORK CONFIGURATION.
5	132 KV Durgapur - Bolpur #1 & 2		DC SUPPLY ON. PT FUSE O.K.	LOAD QUANTUM MAY CHANGE ON NETWORK CONFIGURATION.
	Total	0		

Adalder
08/09/15

UFR installed in different GSS of BSPTCL ,Patna as listed below is in service upto 10th SEPTEMBER 2015.

SL. No.	NAME OF GRID	CONNECTED 33 KV FEEDER	LOAD IN MW	SETTING
1.	132/33 KV Gaighat grid	Saidpur	20	48.6
		City Feeder	22	48.6
2.	132/33 KV Mithapur grid	PESU V	18	48.8
		PESU II & IV	32	48.8
3.	220/132/33 KV Fatuha grid	Katra	14	48.8
		Meena Bazar	24	48.8
		Fatuha	22	49.0
		Dina Iron	12	49.0
4.	132/33 KV Digha grid	Digha - I	18	48.6
		Digha - II	7	48.6
		Patliputra	20	49.0
		Excise colony	20	49.2
5.	132/33 KV Bari Pahari (Bihar Sharif)	Bari Pahari I	11	49.2
		Bari Pahari II	5.5	49.2
		Sohsarai	10	49.2
		Ramchandrapur	15	48.6
		Noorsarai	10	49.2
		Asthama	5	49.2
6.	132/33 KV Harnaut	Line II Feeder (Charan)	1.5	49.0
		Kalyanbigha	0.5	48.6
		Harnaut	5.0	49.2
7.	132/33 KV Ekangarsarai	Parwalpur	3	49.2
		Islampur	6	49.0
		Ekangarsarai	5	49.0
		Hilsa	4	49.0
8.	132/33 KV Katra	Pahari	18	48.6
		Sabalpur	5	48.8
		Karmalichak	8	48.8
		Ashoknagar	14	48.8
		Kankarbag	18	48.6
9.	220/132/33 KV Sampatchak	Bahadurpur	14	49.0
		Sampatchak	7	49.0
		Kuda Nawada	10	49.0
10.	132/33 KV Purnea	Maranga	12	49.2
		Madhubani	10	49.2
11.	132/33 KV Nalanda	Nalanda	6	49.2
12.	132/33 KV Rajgir	Raytar	8	49.2

Sl.No.	Frequency	Total Load
1.	49.2	105.5
2.	49.0	101.5
3.	48.8	115.0
4.	48.6	118.5

[Signature]
11/9/15
JEE/CRITL
BSPTCL

[Signature]
11/9/15
EEE/CRITL
BSPTCL

Sys/Con: 685

1st September, 2015

Member Secretary
Eastern Regional Power Committee,
14, Golf Club Road
Tollygunge
Kolkata – 700 033

Re: UNDERFREQUENCY

Dear Sir,

We hereby confirm that all U/F relays and SPS including Islanding Scheme of CESC Generating Stations installed in our system are healthy and in commission.

Please also note that there was no under frequency operation for the month of **August, 2015**.

DB

Yours faithfully,



**SR. MANAGER
SYSTEM CONTROL**

Status of UFR at Sub-stations under Transmission Dept. in the month Aug '15

SI No	Name of sub-station	Feeder Details	CD (MVA)	In-service	Test performed	Results/Remarks
1	Burdwan	WBSEB Burdwan	48	Yes	Yes	PT Fuse of the UFR was removed and supply fail alarm appeared
2	Durgapur	Graphite India+ Jai Balaji Industries+ Jai Balaji Sponge	74	No	Yes	PT Fuse of the UFR was removed to avoid unwanted tripping.
3	Durgapur	SRB Steel+ Brahma Alloy+ Venky Steel+ VSP+ Shri Gopal Hi-tech	67	No	Yes	PT Fuse of the UFR was removed to avoid unwanted tripping.
4	Kalyaneswari	BMA+ Impex+ Hira Concast+ MPL	47	Yes	Yes	PT Fuse of the UFR was removed and supply fail alarm appeared
5	Kumardhubi	JSEB Sanjay Chowk+ Mugma+ DPSCO Dishergarh	60	Yes	Yes	PT Fuse of the UFR was removed and supply fail alarm appeared
6	Putki	JSEB Godhar+ Bhuli+ JSEB Ganeshpur+ JSEB Katras+ JSEB Katras Sijua	93.5	Yes	Yes	PT Fuse of the UFR was removed and supply fail alarm appeared
7	Patherdih	JSEB Govindpur + JSEB Mukunda + JSEB Digwadi	70	Yes	Yes	PT Fuse of the UFR was removed and supply fail alarm appeared
8	Ramgarh	JSEB Ramgarh	80	Yes	Yes	PT Fuse of the UFR was removed and supply fail alarm appeared
9	Hazaribagh	JSEB Hazaribagh	50	No	No	Commissioning taken up.
10	Giridih	JSEB Giridih	55	Yes	Yes	PT Fuse of the UFR was removed and supply fail alarm appeared
11	Koderma	JSEB Koderma	38	Yes	Yes	PT Fuse of the UFR was removed and supply fail alarm appeared

Total load relieved 682.5 MVA



JHARKHAND URJA SANCHARN NIGAM LIMITED

Office of the
Electrical Superintending Engineer, State Load Dispatch Centre,
Kusai Colony, Doranda, Ranchi
Phone: 0651-2490090, Fax: 0651-2490486, Email: sldcranchi@gmail.com

Letter No. 288 / SLDC, Ranchi,

Dated, the 10-09-2015,

From,

Er. S. S. Mishra
Elect. Supt. Engineer
SLDC, Ranchi.

To,

Member Secretary, ERPC,
14 Golf Club Road,
Tollygunj, Kolkata -700033

Sub: Latest Status of Under Frequency Relay of JUSNL for the month of August' 2015.

Sir

With reference to the subject mentioned above the latest status of Under Frequency Relay for the month of August' 2015 is hereunder:-

Stage	G/S/S	33 KV Feeder	Remarks
Stage - I 49.2 Hz	Kamdara	Kamdara	In Service
	Gumla	Gumla	In Service
	Deoghar	Sarath	In Service
	Lohardaga	Lohardaga	In Service
	Jamtara	Jamtara	Not In Service
Stage - II 49.0 Hz	Garhwa	Ranka	In Service
	Garhwa	Bhawnathpur	In Service
	Deoghar	Baidyanathpur	In Service
	Lohardaga	Tico	In Service
	Latehar	Manika	In Service
Stage - III 48.8 Hz	Hatia	Brambay	In Service
	Adityapur	Adityapur I	Not In Service
	Japla	Japla	In Service
Stage - IV 48.6 Hz	Namkum	Kokar	In Service
	Hatia	Argora	In Service
	Hatia	Dhurwa	In Service
	Hatia	Harmu	In Service
	Adityapur	Adityapur II	Not In Service

This is for your kind information & necessary action.

Yours faithfully

(S S Mishra)
ESE, SLDC, Ranchi



JHARKHAND URJA SANCHARN NIGAM LIMITED

Office of the
Electrical Superintending Engineer, State Load Dispatch Centre,
Kusai Colony, Doranda, Ranchi
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Stage	G/S/S	33 KV Feeder	Remarks
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	Garhwa	Bhawnathpur	In Service
	Deoghar	Baidyanathpur	In Service
	Lohardaga	Tico	In Service
	Latehar	Manika	In Service
Stage - III 48.8 Hz	Hatia	Brambay	In Service
	Adityapur	Adityapur I	Not In Service
	Japla	Japla	In Service
Stage - IV 48.6 Hz	Namkum	Kokar	In Service
	Hatia	Argora	In Service
	Hatia	Dhurwa	In Service
	Hatia	Harmu	In Service
	Adityapur	Adityapur II	Not In Service

This is for your kind information & necessary action.

Yours faithfully

(S S Mishra)
ESE, SLDC, Ranchi

EASTERN REGION TRANSMISSION SYSTEM- I

Road Map for Replacement of Disc Insulator With Polymer Insulator in Polluted area

Sl. No.	Voltage (KV)	Name of the Transmission line	Line Length (KM)	No of locations under polluted stretches		Polymer requirement (Capacity wise)		Remarks	Tentative replacemnet period
				Suspension	Tension	120 KN	420 KN		
1	765	Gaya-Fatehpur S/C (ER- I)	147.808	35	20	360	1100	Brick Kiln Area	20 Days
2	765	Gaya - Balia S/C	228.060	23	32	312	1628	Brick Kiln Area	20 Days
Total (String)						672	2728		

Sl. No.	Voltage (KV)	Name of the Transmission line	Line Length (KM)	No of locations under polluted stretches		Polymer requirement (Capacity wise)		Remarks	Tentative replacemnet period
				Suspension	Tension	120 KN	160 KN		
3	400	Patna - Balia-I & II	195.323	84	18	1026	864	Brick Kiln Area	25 Days
4	400	Biharsharif- Balia-I & II	241.786	92	14	1118	672	Brick Kiln Area	15 Days
5	400	Koderma- Biharsharif-I & II	110.719	15	5	185	240	Cruser Units	4 Days
6	400	Biharsharif-Sasaram - III & IV	198.773	20	8	248	384	Cruser Units	8 Days
7	400	Patna -Balia-III & IV	179.849	88	20	1076	960	Brick Kiln Area	25 Days
8	400	Barh - Patna - III & IV	68.650	0	5	5	240	Brick Kiln Area	2 Days
9	400	Barh - Patna - I & II	92.998	4	2	50	96	Brick Kiln Area	2 Days
10	400	Kahalgaon - Barh -I & II	217.240	7	3	87	144	Nearby NTPC	3 Days
11	400	Koderma - Gaya - I & II	124.497	25	5	305	240	Cruser Units	7 Days
12	400	Maithan - Gaya - I & II	276.954	36	15	447	720	Cruser Units	9 Days
13	400	Farakka - Kahalgaon - I & II	94.741	25	8	158	192	Nearby NTPC	5 Days
14	400	Kahalgaon - Biharsharif - I & II	201.467	25	10	160	240	Nearby NTPC	8 Days
15	400	Kahalgaon - Maithon - I & II	171.854	24	12	156	288	Nearby NTPC	6 Days
16	400	Jamshedpur - Rourkela S/C - I	151.120	32	14	206	336	Nearby TI SCO	7 Days
17	400	Jamshedpur - Rourkela S/C - II	152.787						
18	400	Biharsharif - Sasaram - I & II	192.059	18	8	116	192	Brick Kiln Area	4 Days
19	400	Sasaram - Sarnath - Allahabad I & II	215.427	28	12	180	288	Brick Kiln Area	6 Days
20	400	Biharsharif - Muzaffarpur - I & II	129.983	23	9	147	216	Brick Kiln Area	6 days
21	400	Ranchi - Raghunathpur - Maithon-I&II	199.813	40	15	255	360	Cruser Units	8 Days
22	400	Ranchi - Sipat-I & II (ER Portion)	136.236	35	18	228	432	Cruser Units	8 days
23	400	Ranchi-Rourkela I & II	144.935	12	6	78	144	Cruser Units	3 Days
24	400	Farakka - Kahalgaon - III & IV	95.267	30	15	195	360	Nearby NTPC	7 Days
25	400	Maithon (RB) - Ranchi - I & II	187.642	40	15	255	360	Cruser Units	7 Days
26	400	Nabinagar - Sasaram - I & II	81.647	16	8	104	192	Brick Kiln Area	4 days
27	400	Jamshedpur - TI SCO - Baripada - I&II	140.280	24	14	158	336	Nearby TI SCO	5 Days
28	400	Kahalgaon - Banka-I & II	47.700	16	6	102	144	Nearby TI SCO	4 Days
29	400	Banka-Biharsharif-I & II	184.540	12	4	76	96	Brick Kiln Area	3 Days
Total (String)						7121	8736		

Sl. No.	Voltage (KV)	Name of the Transmission line	Line Length (KM)	No of locations under		Polymer requirement		Remarks	Tentative replacemnet period
				Suspension	Tension	70 KN	120 KN		
30	220	Dalkhola - Purnea - I & II	40.292	90	17	557	204	Foggy & Decapping prone	12 Days
31	220	Purnea - New Purnea-I & II	1.083		3	3	36		1 Day
32	220	Sasaram-Ara I & II	112.136	22	6	138	72	Brick Kiln Area	4 Days
33	220	Ara-Khagaul - I & II	48.439	32	3	195	36	Brick Kiln Area	4 Days
34	220	Ranchi - Chandil - I & II (L ILO portion)	8.065	5	5	35	60	Brick Kiln Area	2 Days
35	220	Ranchi - Patratu -I & II (L ILO portion)	6.918	5	5	35	60	Brick Kiln Area	2 Days
36	220	Gaya - Dehri (L ILO portion) - I & II	10.995	10	4	64	48	Cruser Units	2 Days
37	220	Gaya-Bodhgaya (L ILO portion) - I & II	12.698	12	5	77	60	Cruser Units	3 Days
Total (String)						1104	576		

Sl. No.	Voltage (KV)	Name of the Transmission line	Line Length (KM)	No of locations under		Polymer requirement		Remarks	Tentative replacemnet period
				Suspension	Tension	70 KN	90 KN		
38	132	Dehri - Sasaram S/C	61.689	40	12	0	198	Brick Kiln Area	6 Days
39	132	Sasaram - Mohania - Karamnasa S/C	29.000	32	12	0	174	Brick Kiln Area	5 Days

Annexure-B13

40	132	Ara - ARA/ Dumraon (LI LO Portion)	1.702		9	0	117	Brick Kiln Area	2 Days
41	132	Purnea - Purnea/Dalkola (LI LO Portion)	0.500		3	0	39	Foggy area	1 Days
Total (String)						0	528		

Abstract of Polymer Insulator	420 KN	160 KN	120 KN	90 KN	70 KN	Total
String	2728	8736	8369	528	1104	21465

West Bengal State Electricity Transmission Company Limited

(A Government of West Bengal Enterprise)

CIN: U40109WB2007SGC113474; Website: www.wbsetcl.in; Phone / Fax No. (033) 2334 9020

Registered Office : Vidyut Bhawan, Block-DJ, Sector-II, Bidhannagar, Kolkata – 700 091



OFFICE OF THE CHIEF ENGINEER STATE LOAD DESPATCH CENTRE

Memo No.: SLDC/How/ 146 / 2899.

Dated: 07/09/2015.

To

The Member Secretary,
ERPC, 14 Golf Club Road,
Tollygaunj, Kolkata-700 033.

Sub: Status of UFRs for August-2015 under BKTPP islanding.

Dear Sir,

Enclosed herewith please find the healthiness report for August-2015 i.r.o. UFRs put into operation under BKTPP Islanding Scheme at 220KV Gokarna and Satgachia S/stns. of WBSETCL.

This is for your kind information please.

Thanking you.

Yours faithfully,

Enclo: As stated.

(P. K. KUNDU)
ACE, SLDC, WBSETCL.

UFR Status at 220 KV Satgachia and Gokarno S/Stn. under BKTPP Islanding for AUGUST-2015.

Name of Sub-station	Name of Fdrs. connected with UFR.	Healthiness	Remarks
Gokarno 220 KV S/stn. (UFR Stg-I set at 47.90 Hz, 250ms time delay)	220 KV Sgtpp #1&2	D.C. Supply ON & PT fuse O.K.	
Gokarno 220 KV S/stn. (UFR Stg-II set at 47.60Hz, 500ms time delay)	132 KV Rampurhat #	D.C. Supply ON & PT fuse O.K.	
	33 KV Nabagram #		
Gokarno 220 KV S/stn. (UFR Stg-III set at 47.50Hz, 750ms time delay)	132 KV Kuli #	D.C. Supply ON & PT fuse O.K.	
	33 KV Bhabaninagar #		
	33 KV Kandi # 2		
Satgachia 220 KV S/stn (UFR Stg-I set at 47.90Hz, 250ms time delay)	132 KV Bandel #	D.C. Supply ON & PT fuse O.K.	
	132 KV Khannyan #		
	132 KV Mahachanda #1&2		
Satgachia 220 KV S/stn (UFR Stg-II set at 500ms time delay)	Nil		
Satgachia 220 KV S/stn (UFR Stg-III set at 47.5 Hz, 750ms time delay)	33KV Kusumgram # 1&2	D.C. Supply ON & PT fuse O.K.	
	33 KV Hatgobindapur #		
	33 KV Nadanghat #		



Phone : 06549-242278
Fax No.06549-242279

Damodar Valley Corporation

Chandrapura Thermal Power Station

P.O. CHANDRAPURA, DIST: BOKARO,

PIN - 828 403 :: Jharkhand

No.CT/CE/E-309/295

Sep 10, 2015.

To,
The Chief Engineer (CLD)
DVC:Maithon

Sub: Healthy Certificate in respect of "Islanding Scheme"
Ref: Your letter No:LD/25/Thermal/321 Dtd: 02/07/2015.

Dear Sir,

With reference to above, the healthiness status of islanding system as observed today (Dt: 09/07/2015) at 11.00 Hrs is furnished below:

- A) System Healthy Indication -OK
- B) Under Frequency Relay 181—healthy indication glowing -OK
- C) Under Frequency Relay 281—healthy indication glowing -OK
- D) Under Frequency Relay 381—healthy indication glowing -OK

As per the indications available, the system is healthy in line with the in built supervision provision provided by M/s ALSTOM, the Manufacturer and Erector of the "Islanding Scheme".

This for your kind information.

Yours faithfully,

(G C Chowdhary)
Electrical Superintendent-1
CTPS Units # 1,2 & 3

Copy to;

- 1). The CE & HOP, DVC,CTPS.
- 2). The CE (O&M), DVC,CTPS.
- 3). The Dy.CE (E), DVC,CTPS.

Send to
at 13.10.15
10/9/15

West Bengal State Electricity Transmission Company Limited

(A Government of West Bengal Enterprise)

CIN: U40109WB2007SGC113474; Website: www.wbsetcl.in; Phone / Fax No. (033) 2334 9020

Registered Office : Vidyut Bhawan, Block-DJ, Sector-II, Bidhannagar, Kolkata – 700 091



OFFICE OF THE CHIEF ENGINEER STATE LOAD DESPATCH CENTRE

Memo No.: SLDC/How/ 146 / 2898.

Dated: 07/09/2015.

To
The Member Secretary,
ERPC, 14 Golf Club Road,
Tollygaunj, Kolkata-700 033.

Sub: Status of UFRs for August-2015 under Tata Power islanding.

Dear Sir,

Enclosed herewith please find the healthiness report for August-2015 i.r.o. UFRs put into operation under Tata Power-Haldia Islanding Scheme at 132KV Haldia and NIZ S/stns. of WBSETCL.

This is for your kind information please.

Thanking you.

Yours faithfully,

Enclo: As stated.

(P. K. Kundu.)
ACE, SLDC, WBSETCL.

UFR Status at 132KV Haldia and NIZ S/Stn. under Tata Power-Haldia Islanding for AUGUST-2015.

UFR Stg-I set at 47.90 Hz with 500ms time delay for Creation of Island		Healthiness	Remarks
Name of Sub-station	Name of Fdrs. to be tripped by UFR Stg-I		
Old Haldia 132KV S/stn.	132KV New Haldia direct ckt,	D.C. Supply ON & PT fuse O.K.	
	132KV HPL ckt		
	132KV Traction fdr. # 1&2		
	33KV Renuka Sugar fdr		
NIZ 132KV S/stn.	132KV Tamluk # 1&2	D.C. Supply ON & PT fuse O.K.	
	132KV Rohit Ferro fdr.		
Fdrs. to be tripped by UFR Stg-II set at 47.70 Hz with 200ms time delay for load relief.			
Old Haldia 132KV S/stn.	33kv CPT Fdr.-1	D.C. Supply ON & PT fuse O.K.	
	33kv IOC Fdr.		
	33KV Exide fdr.-1		
Fdrs. to be tripped by UFR Stg-III set at 47.60 Hz with 400ms time delay for load relief.			
Old Haldia 132KV S/stn.	33kv khudiram nagar	D.C. Supply ON & PT fuse O.K.	
	33KV Exide fdr.-2		
	33KV IOC pipe line		
	33KV Glychem		
NIZ 132KV S/stn.	33KV Basudebpur	D.C. Supply ON & PT fuse O.K.	

UFR Status at 132KV Haldia and NIZ S/Stn. under Tata Power-Haldia Islanding for AUGUST-2015.

UFR Stg-I set at 47.90 Hz with 500ms time delay for Creation of Island		Healthiness	Remarks
Name of Sub-station	Name of Fdrs. to be tripped by UFR Stg-I		
Old Haldia 132KV S/stn.	132KV New Haldia direct ckt,	D.C. Supply ON & PT fuse O.K.	
	132KV HPL ckt		
	132KV Traction fdr. # 1&2		
	33KV Renuka Sugar fdr		
NIZ 132KV S/stn.	132KV Tamluk # 1&2	D.C. Supply ON & PT fuse O.K.	
	132KV Rohit Ferro fdr.		
Fdrs. to be tripped by UFR Stg-II set at 47.70 Hz with 200ms time delay for load relief.			
Old Haldia 132KV S/stn.	33kv CPT Fdr.-1	D.C. Supply ON & PT fuse O.K.	
	33kv IOC Fdr.		
	33KV Exide fdr.-1		
Fdrs. to be tripped by UFR Stg-III set at 47.60 Hz with 400ms time delay for load relief.			
Old Haldia 132KV S/stn.	33kv khudiram nagar	D.C. Supply ON & PT fuse O.K.	
	33KV Exide fdr.-2		
	33KV IOC pipe line		
	33KV Glychem		
NIZ 132KV S/stn.	33KV Basudebpur	D.C. Supply ON & PT fuse O.K.	

SUPPLY PORTION

Sl. No.	Activities	Status	Remarks
1	Release of Tower spotting data & Sag Template Curve	1. Date of release of Tower spotting data: (please enclose copy) 2. Date of release of Sag Template: (please enclose copy)	1.Tower Spotting data released on dtd.05/07/2015 ,Submitted to PGCIL vide letter no.PGCIL/LILO/001 dtd.28/07/2015 2 Sag Template released on dtd.05/07/2015
2	Release of Drg. & BOM for Stub (All type of Tower)	1. Date of release of Drawing For Stub: (please mention type & quantity of stub) 2. Date of release of BOM for Stub: (please mention type & quantity of stub)	Structural Drawing & BOM released on 01/08/2015, DA+0 =15Nos , DA+3=05Nos,DA+6 =06Nos, DC+0=08Nos, DC+6 = 03Nos,DC+9=03Nos, DD+0=14Nos,DD+3=03Nos,DD+9=02Nos,DD+18=01Nos, DD+25=01Nos,DD+30=07Nos
3	Release of Structural Drg. & BOM, Shop floor Drg. For all type of Tower	1. Date of release of Structural/shop floor Drawing : (Please mention type & qty of tower) 2. Date of release of BOM for Tower: (please mention type & quantity of Tower with type of extension)	1.(i)DD TYPE TOWER RELEASED ON 01/08/2015,(ii)DA & DC TYPE TOWER DESIGN HAS BEEN APPLIED TO PGCIL,BUT PGCIL HAS REFUSED TO SUBMIT THE TOWER DESIGN OF DA & DC TYPE TOWER. 2.(i)DD TYPE TOWER RELEASED ON 01/08/2015,(ii)DA & DC TYPE TOWER DESIGN HAS BEEN APPLIED TO PGCIL,BUT PGCIL HAS REFUSED TO SUBMIT THE TOWER DESIGN OF DA & DC TYPE TOWER.QTY AS ABOVE
4	Release of Drg. for Tower Accessories	1.Date of release of Drawing for Tower Accessories: (please mention details of accessories & quantities)	Expected date of released drawing 15/10/2015
5	Proto Fabrication and Assembly	Please Give details of proto fabrication and assembly according to the Tower type.	Expected date of proto 18/10/2015
6	Release of apprvd. Proto corrected Drg.	1. Date of release of approved proto corrected Drawing : (please Mention type of Tower)	Expected date of approved drawing 22/10/2015
7	Release of apprvd. Stringing Chart	Date of release of approved Stringing chart: (if partly approved then please mention section of the line along)	Expected date of released of stringing chart 2/11/ 2015
8	Manufacturing of Stub and receipt at site	Please mention total required quantity according to the Tower type and status of receipt till date at site of the same. Also mention the schedule of balance quantity.	Total DA =22Nos, DC=14Nos, DD=28Nos Manufacturing of stub P.O. No. SRAIPL/VL/TL/2905-15/01 dtd.19/05/2015 Received till date :DA=06Nos,DC=02Nos,DD=02Nos.,Followings are under receipt:DA=10Nos,DC=05Nos,DD=10Nos
9	Manufacturing of Tower and receipt at site	Please mention total required quantity according to the type and status of receipt till date at site of the same. Also mention the schedule of supply for balance quantity.	DA+0 =15Nos , DA+3=05Nos,DA+6 =06Nos, DC+0=08Nos, DC+6 = 03Nos,DC+9=03Nos, DD+0=14Nos,DD+3=03Nos,DD+9=02Nos,DD+18=01Nos, DD+25=01Nos,DD+30=07Nos
10	Approval and Supply of Line Materials- Conductor/ Earth wire/Hardware/ Earthing Materials/ Bird Guard / Aviation Light)	1. Please mention total requirement of Line Materials(Conductor/ Earth wire/Hardware/ Earthing Materials/ Bird Guard / Aviation Light): 2. Receipt at site of the above: 3. Schedule of supply of balance quantity.	Expected date of finalisation of qty. 18/10/2015

Note : 01. If related work has not been started yet, planning for starting & completion need to be provided.

02. As per detailed survey total quantity required for all supply items has already been finalised. Kindly provide Purchase order placement status including quantity for which PO placed & planning for placement of PO for balance quantity of supply.

ERECTION PORTION

Sl. No.	Activities	Status	Remarks
1	Route Alignment	A. Please mention Date of finalization of route alignment (along with name of important village/mouza/ area etc.) B. Length of finalized route : C. Status of Notification for construction of line	A..Finalization of route alignment,28/07/2015 1) 1.KENAPALI 2. MAHULPALI 3.RANGIAMUNDA 4.KURGA 5.KEPSE 6.HUNDARMAL 7.KIRIPSIRA 8.PORHADIHI 9.SURDA 10.KHARMARBAHAL 11.JAMUNADHIPA 12.TELINGAPALI 13.MAHIPANI 14.NUAPARAH 15.PORHABAHAL 16.DHATAKDIPHA 17.PARDIADIHI 18.KUNDUKELA 19.DEULI 20.KAINTARA
2	Detailed Survey	1. Date of completion of detailed survey: (if not completed please Mention the completed) length	Completion date of Survey,28/07/2015
3	Forest Survey	1. Date of completion of survey: (if not completed please intimate the status) 2. Total forest area involved(in Hectares)with bifurcation according to type of forest land	1.Dt.20/02/2015 2.Forest area involved 11.03Ha.NOTE:Due to severe ROW apprehension & avoiding of extra 05nos low gantry crossing, original route was revised.The matter has been discussed with PGCIL,Sundergarh.As per the advice of PGCIL,Sundergarh line rerouting has been done . Revised
4	Inputs for Forest Proposal	1. Date of submission of application. 2. Please mention present status. 3. Anticipated date of clearance. 4. Proposal/ status of Compesatory Aforestation.(please Give details)	1. Application submitted on dt.20/02/2015 2. Odisha State Sl.No.FP/OR/TRANS/10273/2015 dtd.27.02.2015 3.Anticipated date of forest clearance : 15/10/2015 4.Forest Diversion Approval is required for 11.03 Ha, NOTE:Due to severe ROW apprehension & avoiding of extra 05nos low gantry crossing, original route was revised.The matter has been discussed with PGCIL,Sundergarh.As per the advice of PGCIL,Sundergarh line rerouting has been done . Rev Forest Proposal will be submitted on 12/10/2015.
5	Status of Detailed Survey Report	1. Please mention status of detailed survey(if survey done by other agency then mention the date of submission of detailed survey report)	Check survey has been carried out by M/s.SR Associates Infrastructure Pvt.Ltd & Survey report was approved on
6	Profiling	1.Please mestion date of completion of preparation and approval of profiling.	1.Date of completion of profiling approval :01/08/2015
7	Tower spotting	1. Please mention date of completion.	Dt.07/08/2015
8	Approval of Detailed Survey	1. Please mention date of approval of detailed survey.	1.Detail Survey was approved on dtd :08/12/2012
9	Check Survey	1. Please mention date of completion of Check survey.	1.Date of completion of check survey :28/07/2015
10	Submission/ Approval of Check Survey	1. Please mention date of submission/ approval of Check survey.	1.Date of completion of profiling approval :01/08/2015
11	Detailed Soil Investigation	1. Please mention present status along with no of loction done.	Soil investigation report done for 45Nos out of 64Nos.
12	Execution - Foundation	1. Please give location wise status and planning	10Nos of foundation completed & planning to complete by 25th Dec 2015.
13	Execution- Tower Erection	1. Please give location wise status and planning	Erection start dt.02/11/2015 completion date25/03/2016
14	Execution- Stringing	1. Please give strech wise status and planning	Stringing start dt.12/12/2015,Completion Dt.09/04/2016
15	Clearance for Power Line Crossing	1. Please mention no of Power line crossings invloved in the finalised route with voltage level and name of line and ownership of line. 2. Please mention status of submission and approval of these Power line crossing proposals.	1.(i)Line is crossing under 765KV Sundergarh - Dharmajaygarh Circuit-1 & 2 & proposed 765KV Sundergarh-Dharmajaygarh Circuit-3 & 4 line in low gantry system at Village Rangiamunda-Tangarapalli,Sundergarh (ii) Overhead crossing of 400KV Raigh-Sundergarh Line at village Kirpisara-Tangarpalli-Sundergarh 2.Application for power line crossing & profile submitted vide letter no.VL/LILO/PGCIL/003 dtd.04th Sept.2015 at PGCIL,Sundergarh

Sl. No.	Activities	Status	Remarks
16	Clearance for Railway Crossing	1. Please mention no of Railway crossings and name of route involved in the final route. 2. Please mention submission and status of approval.	No Railway crossing is there.
17	Statutory Clearance for PTCC(Rail & DOT), including aviation clearance from Defence & Civil aviation .	1. Please mention date of submission of application. 2. Present status of PTCC proposal.	Not yet submitted
18	Clearance & Handing over of Forest Land	1. Please mention Present status. 2. Anticipated Date of Clearance & Handing over of Forest Land	1. Compensatory afforestation land (CA Land) of 30 acres is arranged by us and after site inspection DFO already issued suitability certificate
19	Clearance from CEA		
20	Clearance from ERLDC		
21	Readiness of Line Bays (Both end)		
22	Notification for Charging		
23	Final checking of Tower and corridor		
24	Testing & Commissioning	1. Please indicate Schedule/Target date of Testing & Commissioning	Target date of testing & commissioning is dt.15/04/2016

Latest status on non-availability of SCADA data

It was informed by ERLDC that some constituents are not updating single line diagram in SCADA as per actual real time network and same is causing lack of network visibility.

All constituents agreed to update SCADA single line diagram as per real network time to time and will furnished the same to ERLDC also.

The status as updated in last OCC meeting is as given below:

- i) List of additional elements/feeders whose data is not available – station under ULDC project:

SL no	Name of Utility	KV	Name of station	Reason for non reporting	Latest status
1	OPTCL	220	Vedanta (9x135 MW)	No status points are available.	No isolators status are available. MW/ MVAR not available for sterlite 1/2 line, station transformer / Smelter. CBs of Bus coupler not available. Bus-1 KV/ HZ not available. Problem still not resolved

- ii) The List of RTU supplied under BSEB ULDC Project but data is faulty/ intermittent:

S/n	Name of RTU locations	Latest status	Remarks
1	Jakkanpur, Khagaul RTU, Dumraon, Karmnasha, Sitamarhi, , Purnea & Koshi	Data is reporting intermittently.	1) Data integrated through GPRS will be intermittent till Final communication packages is implemented (Already awarded to PGCIL for execution). 2) ALL RTU will be report to SLDC patna subject to availability of communication system (Already Awarded to PGCIL) 3) New RTU is being integrated with OSI systems and this RTU will report to ERLDC once ERLDC OSI system is ready. Problem still not resolved
2	Hathidah, Lakhisarai & Darbhanga	Data is reporting intermittently.. Due to re-conductoring work in Darbhanga-Samastipur T/L, Darbhanga is not reporting temporarily.	
3	BTPS	RTU dismantled. Renovation/overhauling work is going on. SAS is expected to be operational by the November, 2014.	
4	220 kV Hajipur	<i>Hajipur is temporarily down, BSPTCL working to restore it.</i>	
5	Jagdishpur, Sipara, Madhepura	RTU has been supplied by PGCIL under Sub-transmission project of Bihar but commissioning is left out. Now, it will be done in ULDC upgradation scheme.	
6	Siwan, Valmikinagar, Gopalganj, Kisanganj and Arrah	RTU along with communication has been included in the scope of work of Powergrid under up gradation/ replacement scheme of ULDC. It was scheduled to be completed by Oct'14. <i>RTU supplied by M/s. Chemtrols except Darbhanga. RTU reached site.</i>	

Annexure- B.25

iii) The updated status of telemetry of JSEB Sub-Stations under ULDC project is as given below:

Sl. No.	Name of the RTU location	Latest status	Remarks
1	Ramchandrapur	Reporting is interrupted because of problem in PLCC link between Candil & Ramchandrapur. CVT brusted at Ramchandrapur bay and requires replacement. Arrangement in being done for its replacement.	1) RTU's CPU Card sent to Bhubaneswar for repairing . 2) All RTU will restored by Mid March 2015.
2	Jamtara	Jamtara RTU has been shifted in new control room. POWER GRID has been requested to reintegrate the feeders in RTU as integration of additional feeder (new element) in the existing RTU. <i>Powergrid informed that Advance Payment towards new element integration is pending since long. After payment, M/s. ALSTOM will give the schedule of site visit for feeder integration.</i>	Problem still not resolved. None of real time data available since 15/06/15.
3	Deoghar	Both LMU & LMDU rusted at Jamtara. Arrangement inbeing done for its replacement. Deoghar-Jamtara-Maithon link is interrupted also because of snatching of patching cable at Maithon (G) and Maithon (SLDC). This was found during survey of sites with M/s PUNCOM which will be corrected by the agency under AMC. AMC by PUNCOM has been started.	
4	Garawah	Garawah RTU will be restored when it will be connected from Ranchi end through Hatia-Loherdaga-Latehar-Daltonganj –Garwah Transmission lie.	
5	Kendposi	Reporting is interrupted because of shifting of Chandil bay at Rajkharsawan. PLCC outdoor equipment has been shifted recently to new location of Chandil bay at RKSJ. Some work like termination of co-axial cable will be done soon.	
6	Goelkera		
7	Jadugoda	Co-axial cable faulty at Golmuri (Chandil bay)	

iv) The updated status of telemetry of OPTCL Sub-Stations under ULDC project is project as given below:

S/n	Name of RTU Locations	Latest status
1	Nalco	OPTCL informed that RTU is reporting but intermittent since it was not configured properly. The issue was already taken up with Nalco and it will be resolved soon. OPTCL has resolved the issue. Some Unit generation polarity will be resolved by Feb 2015. Problem still not resolved

v) RTU telemetry provided but data are intermittent / new element not wired.

SL No	Name of station/ Utility	Reason for non reporting	Latest status
I	Lalmatia JSEB	MW / MVAR/ OLTC tap of 220/132 KV ICT –II not available	MW/MVAR/OLTC tap of 220/132 KV ICT-II not available. Will be complete during additional feeder integration, no time frame. Problem still not resolved
II	JSPL (Meramundali - 400)	Most of the data not available .	OPTCL informed that they are taking matter with JSPL. Problem still not resolved
IV	DVC		
	Patherdiah,		RTU reached site. commissioned within Feb 2015. (RTU Commissioned but not integrated with SLDC.)
	Kalipahari		RTU reached site. (RTU Commissioned but not integrated with SLDC.)

vi) Sub - Stations (220 & 132 kV) Telemetry not provided :

SL No	Name of station/ Utility	Reason for non reporting	Latest status
I	WBSETCL		
	Krishna Nagar	RTU not provided for data telemetry	RTU integrated .
	Kalingpong		RTU is reporting.
	Karseong		RTU commissioned. Communication link to be provided by WBSETCL. WBSETCL requested M/s PGCIL to commissioned one Mux (to be provided by M/s WBSETCL) at Siliguri (220) S/s (PGCIL) for integration of the voice and data of Kurseong substation . POWERGRID agreed for the same and subject to technical feasibility. (Data reporting)
	CESC S/s: EM 220 kV		CESC control centre ICCP will be integrated with WB's new OSI system by April 2015.
	CESC : Kasba-132 kV, EM-132 kV Jadavpur, Chakmir, Majerhat and CESC Belur		WBSETCL confirmed that same will available TO OSI system by 31st July 2015.
II	JSEB		
	Hatia New	RTU not provided for data telemetry	Hatia SAS to be integrated with SLDC. No time frame. By Feb 2015 all RTUs will be supplied. No commissioning time frame. Problem still not resolved
	Manique (Chandil)		

Annexure- B.25

	Japla	By Feb 2015 all RTUs will be supplied. No commissioning time frame. Problem still not resolved
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Unavailability Of Critical Real Time data :

Name of station/ Utility	Not reporting since	ERLDC Remarks
MPL	20/03/15	Reporting
SEL	24/06/15	Status and CBs, SOE point of Old switch yard not available since 01/05/15
APNRL	1/5/2015	Work will start soon.
Sasaram (765)	13/05/15	Intermittent
GMR	Since Generation	None of Unit side data and protection signal available---By mid November, 2015
Gaya (765)	23/05/15	Data started coming.
Lakhisarai (400)	22/05/15	Reporting.
Sagardighi (400)	28/04/15	
Maithon (400)	01/06/15	Data started coming.
Nabinagar (400)	28/12/14	
JUSNL (JSEB): None of data is available	15/06/15	

Maintenance Schedule of Thermal Generating Units for October, 2015 as per LGBR 2015-16
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System	Station	Unit	Size (MW)	period		No. of Days	Reason
				From	To		
*ODISHA	TTPS	6	110	25.10.15	28.11.15	35	Capital Overhaul.
CESC	TITAGARH	3	60	23.10.15	13.11.15	22	Statutory Insp. of Boiler & other Turbine related job
NTPC	FSTPS	2	200	22.10.15	05.12.15	45	Boiler+LPT+Gen+ESP R&M
NTPC	TSTPS	2	500	25.10.15	03.11.15	10	Boiler

Additional Maintenance Schedule as requested by constituents							
NTPC	FSTPS	4	500	01.10.15	10.10.15	10	Annual Overhaul/Maintenance (Approved in 112th OCC from 01.09.15 to 05.10.15)
DVC	Mejia	6		15.09.15	10.10.15	25	

* Odisha requested NTPC to defer shutdown of the unit #6 to 25-11-2015 for 35 days

**EASTERN REGIONAL LOAD DESPATCH CENTRE
KOLKATA**

TRANSMISSION ELEMENTS OUTAGE APPROVED IN 113TH OCC MEETING OF ERPC

Sr. No	NAME OF THE ELEMENTS	DATE	TIME	DATE	TIME	REMARKS	S/D availed BY	Reason	SUBJECT TO CONSENT FROM AGENCY
1	220 KV TBC Birpara	15/09/15	06:00	22/09/15	15:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION	NLDC
2	221 KV Birpara - NSLG-II	16/09/15	08:00	16/09/15	12:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION	
3	220 KV Birpara - NSLG-I	16/09/15	14:00	16/09/15	18:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION	
4	220 KV Birpara - CHP-II	18/09/15	08:00	18/09/15	12:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION	NLDC
5	220 KV BC Birpara	18/09/15	14:00	18/09/15	18:00	ODB	ER- II/KOL		
6	220 KV Birpara - CHP-I	19/09/15	09:00	19/09/15	17:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION & CT REPLACEMENT	NLDC
7	400 kv Rangpo - Binagudi -I	20/09/15	09:00	10/10/15	17:00	ODB	ULDC/ ER - II	OPGW STRINGING WORK	TEESTA NHPC
8	220KV Subhasgram - CESC Ckt. -1 (Bay 202)	20/09/15	08:00	20/09/15	15:00	ODB	ER- II/KOL	Hot spot rectification in Line isolator and CT.	WEST BENGAL
9	100 MVA ICT-I Birpara	20/09/15	11:00	20/09/15	15:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION	WEST BENGAL
10	160 MVA ICT-II Birpara	20/09/15	06:30	20/09/15	10:30	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION	WEST BENGAL
11	315MVA ICT#2 AT BARIPADA	20/09/15	08:00	20/09/15	17:00	ODB	ER-II/Odisha	C & Tan delta measurement of Bushings at variable frequency	Odisha
12	A/R of 400 kV Jeypore -Bolangir	20/09/15	09:00	20/10/15	17:00	ODB	ULDC/ ER - II	OPGW STRINGING WORK	
13	100 MVA ICT-I at Birpara	21/09/15	08:00	25/09/15	17:30	OCB	ER- II/KOL	132 KV B-Phase Bushing replacement.	WEST BENGAL
14	221 KV Birpara - SKT-II	21/09/15	09:00	21/09/15	17:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION & CT REPLACEMENT	NLDC
15	220 KV BUS -1 AT PATNA	21/09/15	10:00	22/09/15	18:00	ODB	ER-I	BAY EXTENSION WORK OF 220 KV PATNA SIPARA - III	BIHAR
16	3X16.67MVAR Keonjhar Line Reactor	21/09/15	08:00	05/10/15	17:00	OCB	ER-II/Odisha	Oil replacement and Filtration in all 03 Phases	
17	400KV Baripada- Mendhasal CKT-I	21/09/15	07:00	22/09/15	17:00	ODB	ER-II/Odisha	Tightning of CC ring, VD slip, Broken insulator replacement	Odisha
18	132kV Siliquri - Meli Line	21/09/15	09:00	21/09/15	15:00	ODB	ER- II/KOL	Bay Maintenance	SIKKIM
19	220KV WBSETCL Subhasgram Ckt. -1 (Bay 207)	21/09/15	09:00	21/09/15	16:00	ODB	ER- II/KOL	Hot spot rectification in Line isolator and AMP.	WEST BENGAL
20	220 KV BUS-I Birpara	21/09/15	08:00	21/09/15	17:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION	NLDC
21	220 KV Birpara - CHP-III	22/09/15	08:00	22/09/15	12:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION	NLDC
22	220 KV Birpara - SKT-I	22/09/15	14:00	22/09/15	18:00	ODB	ER- II/KOL	BUS-BAR IMPLEMENTATION	NLDC
23	400 KV JSR - CHAIBASA -1	22/09/15	09:00	22/09/15	17:00	ODB	ER-I	FOR ERECTION OF GANTRY TOWER AT CHAIBASA END	
24	132kV Siliquri - Siliquri -1	22/09/15	09:00	22/09/15	13:00	ODB	ER- II/KOL	AMP	WEST BENGAL
25	220 KV BUS-II Birpara	22/09/15	08:00	22/09/15	17:00	ODB	ER- II/KOL		NLDC
26	220 KV BUS -2 AT PATNA	23/09/15	10:00	24/09/15	18:00	ODB	ER-I	BAY EXTENSION WORK OF 220 KV PATNA SIPARA - III	BIHAR
27	400KV Baripada- Mendhasal CKT-II	23/09/15	07:00	24/09/15	17:00	ODB	ER-II/Odisha	Tightning of CC ring, VD slip, Broken insulator replacement	Odisha
28	400KV MTN-KHG-II Line with LR	23/09/15	09:00	23/09/15	14:00	ODB	ER- II/KOL	CSD commissioning	
29	220kV SLG-NSLG Line -I	23/09/15	09:00	23/09/15	14:00	ODB	ER- II/KOL	Insulator damaged by miscreants to be replaced	
30	220KV WBSETCL Subhasgram Ckt. -2 (Bay 209)	23/09/15	09:00	23/09/15	16:00	ODB	ER- II/KOL	Hot spot rectification in Line isolator and AMP.	WEST BENGAL
31	220KV D/C Meramundali-Bhanjanagar line	24/09/15	08:00	26/09/15	17:00	ODB	ER-II/Odisha	For completion of stringing of 9/0 to 10/0 of 765KV D/C Angul-Srikakulam Line.	Odisha
32	400KV MTN-KHG-I Line with LR	24/09/15	09:00	24/09/15	14:00	ODB	ER- II/KOL	CSD commissioning	
33	220kV SLG-NSLG -II	24/09/15	09:00	24/09/15	13:00	ODB	ER- II/KOL	Insulator damaged by miscreants to be replaced	
34	315 MVA ICT - III AT MALDA	24/09/2015	06:00	26/09/2015	15:00	ODB	ER- II/KOL	FOR BAY CONSTRUCTION WORK	WEST BENGAL
35	315 MVA ICT - III AT MALDA	24/09/2015	06:00	26/09/2015	15:00	ODB	ER- II/KOL	FOR BAY CONSTRUCTION WORK	WEST BENGAL
36	125 MVAR B/R -I & 63 MVAR L/R OF PATNA -KISHENGANJ 1 AT PATNA	25/09/15	10:00	02/10/15	18:00	ODB	ER-I	TIE BAY ERECTION AND PLCC WORKS, CONNECTION OF LINE WITH L/R	
37	400KV LILO Baripada- Kharagpur Line	25/09/15	07:00	25/09/15	17:00	ODB	ER-II/Odisha	Tightning of CC ring, VD repairing, Arcing Horn Repairing,	NLDC
38	220kV SLG-DLK Ckt-I	25/09/15	09:00	25/09/15	16:00	ODB	ER- II/KOL	Insulator damaged by miscreants to be replaced	
39	A/R OF 400 KV Angul- Bolangir	25/09/15	09:00	10/10/15	17:00	ODB	ULDC/ ER - II	OPGW STRINGING WORK	
40	400KV BSF-BALIA-1 & 2	25/09/2015	10:00	25/09/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	NLDC
41	765 KV/400KV ICT-1 & ITS BAYS(701,702)	26/09/15	09:00	26/09/15	18:00	ODB	ER-II/Odisha	For NTAMC Signal testing & AMP work	NLDC
42	400KV LILO Baripada- Keonjhar Line	26/09/15	07:00	26/09/15	17:00	ODB	ER-II/Odisha	Tightning of CC ring, VD repairing, Arcing Horn Repairing,	NLDC
43	220kV SLG-DLK Ckt-II	26/09/15	09:00	26/09/15	16:00	ODB	ER- II/KOL	Insulator damaged by miscreants to be replaced	
44	400KV PTN-BARH- 1 & 2	26/09/2015	10:00	26/09/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	NLDC
45	400KV MAIN BAY OF NPRN-NSLG-I AT NPRN	26/09/2015	10:00	28/09/2015	18:00	OCB	ER-I	FOR OVERHAULING OF CGL BREAKER	
46	220KV Subhasgram - CESC Ckt. -2 (Bay 203)	27/09/15	08:00	27/09/15	15:00	ODB	ER- II/KOL	Hot spot rectification in Line isolator and CT.	WEST BENGAL
47	Tie bay of Baripada - Keonjhar & ICT - I at Baripada	28/09/15	08:00	02/10/15	17:00	OCB	ER-II/Odisha	PIR REMOVAL WORK	
48	765 / 400 KV ICT-1 AT NRNC	28/09/15	08:00	29/09/15	18:00	ODB	ER-I	BUS EXTENSION WORK	NLDC
49	765 KV BUS REACTOR-1 & ITS BAYS(703,702)	28/09/15	09:00	28/09/15	18:00	ODB	ER-II/Odisha	For NTAMC Signal testing & AMP work	NLDC
50	400 KV SEL-Raigarh # 2	28/09/15	09:00	29/09/15	17:00	ODB	ER-II/Odisha	For tightening & checking of Jumpers at various locations.	NLDC
51	100MVA ICT#1 at Siliquri	28/09/15	09:00	28/09/15	13:00	ODB	ER- II/KOL	AMP	WEST BENGAL

52	400KV Jeerat Subhasgram Line	28/09/15	09:00	28/09/15	17:00	ODB	ER- II/KOL	CB retrofitting work.	WEST BENGAL
53	400KV Jeerat - Subhasgram Line bay	28/09/15	09:00	03/10/15	17:00	OCB	ER- II/KOL	CB retrofitting work.	WEST BENGAL
54	220 KV Siliguri -Dalkhola Ckt. I & II	28/09/2015	08:00	08/10/2015	17:00	OCB	ER- II/KOL	Erection of Towers & Stringing of both CKT. LILO of 220 KV D/C Siliguri - Dalkhola (CKT. I & II) at Kisangnaj S/s.	
55	100 MVA ICT -1 AT PRN	29/09/15	08:00	06/01/16	18:00	OCB	ER-I	FOR RETROFITTING OF OLD 100 MVA ICT-1 BY A NEW 160 MVA ICT.	BIHAR
56	220 KV BUS -1 AT PRN	29/09/15	10:00	29/09/15	18:00	ODB	ER-I	FOR DISMENTALING OF ICT -1 BAY , 220 KV MAIN BUS-1 & 2 ISOLATORS.	BIHAR
57	400 KV CHAIBASA - ROURKELA -1	29/09/15	09:00	29/09/15	17:00	ODB	ER-I	FOR ERECTIONOF GANTRY TOWER AT CHAIBASA END	
58	400KV Maithon Mejia-III Line	29/09/15	09:00	29/09/15	14:00	ODB	ER- II/KOL	Line bay AMP	DVC
59	Berhampore-Sagardighi Ckt-II Main Bay	29/09/15	10:00	29/09/15	14:00	ODB	ER- II/KOL	CT oil collection for DGA after 06 month of Bay charging	WEST BENGAL
60	132kV Siliguri - Siliguri -2	29/09/15	09:00	29/09/15	17:00	ODB	ER- II/KOL	AMP	WEST BENGAL
61	400 KV KAHALGAON -FKK #3	29/09/15	09:30	30/09/15	17:30	OCB	NTPC	Main#2 relay i.e. REL 670 replacement by PGCIL	
62	400KV RNC-MTN & 400KV RNC-RTPS	29/09/2015	10:00	29/09/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	DVC
63	400KV RNC-NRNC-1	29/09/2015	09:00	29/09/2015	17:30	ODB	ER-I	AMP WORK OF MAIN BAY AT RNC, LINE WILL BE OUT DUE TO NON AVAILABILITY OF TIE BAY	
64	400KV TIE BAY OF NPRN-NSLG-I & 315MVA ICT-II AT NPRN	29/09/2015	10:00	01/10/2015	18:00	OCB	ER-I	FOR OVERHAULING OF CGL BREAKER	
65	220 KV BUS -2 AT PRN	30/09/15	10:00	30/09/15	18:00	ODB	ER-I	FOR DISMENTALING OF ICT -1 BAY , 220 KV MAIN BUS-1 & 2 ISOLATORS.	BIHAR
66	400 KV BUS -1 AT NRNC	30/09/15	08:00	30/09/15	18:00	ODB	ER-I	BALANCE CONSTRUCTION WORK UNDER EXTENSION PKG	
67	765 KV/400 KV ICT-2 & ITS BAYS(706,705) SUNDERGARH	30/09/15	09:00	30/09/15	18:00	ODB	ER-II/Odisha	AMP work	NLDC
68	Berhampore-Sagardighi Ckt-II Tie Bay	30/09/15	14:00	30/09/15	17:00	ODB	ER- II/KOL	CT oil collection for DGA after 06 month of Bay charging	WEST BENGAL
69	160MVA ICT#2 at Siliguri	30/09/15	09:00	30/09/15	13:00	ODB	ER- II/KOL	DGA oil sampling from bushings	WEST BENGAL
70	400 KV BINAGURI - BONGAIGAON - III	30/09/15	08:00	30/09/15	16:00	ODB	ENICL	ANNUAL MAINTENANCE WORK	NLDC
71	400KV RNC-MTN & 400KV MTN-RTPS	30/09/2015	10:00	30/09/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	DVC
72	400KV RNC-NRNC-2	30/09/2015	09:00	30/09/2015	17:30	ODB	ER-I	AMP WORK OF MAIN BAY AT RNC, LINE WILL BE OUT DUE TO NON AVAILABILITY OF TIE BAY	
73	132 KV D/C [Kisanganj- Purnea(PGCIL) Ckt & Kisanganj – Dalkhola (WBSETCL) Ckt] Line of BSPTCL	30/09/2015	08:00	30/09/2015	17:00	ODB	ER- II/KOL	Stringing of LILO of 220KV D/C Siliguri-Dalkhola Line at Kisanganj for over- crossing	BIHAR
74	400 KV MLD-FKK-II	01/10/15	09:00	02/12/15	18:00	OCB	ER- II/KOL	FOR RECONDUCTORING OF MLD-FKK-II LINE.	SHUT DOWN IS RESCHEDULED TO AFTER PUJA, WBSETCL HAS EXPRESSED HIS NON- CONSENT AND SUGGEST FOR CHECKING OF NUMBER OF DAYS REQUIRED FOR TENSION TO TENSION STRINGING AND ACCORDINGLY SHUTDOWN WILL BE ALLOWED IN CONSULTATION WITH NLDC AND WBSETCL
75	400 KV NPRN - NSLG - I	01/10/15	10:00	01/10/15	11:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	May be resceduled to November
76	400 KV NPRN - NSLG - II	01/10/15	12:00	01/10/15	13:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	May be resceduled to November
77	A/R OF 400 KV KAHALGOAN - BARH -II	01/10/15	07:00	31/10/15	19:00	ODB	ER-I	OPGW INSTALLATION WORK	Will be allowed after A/R of Kahalgaon - Maithon
78	A/R OF 400 KV KAHALGOAN - MTN -II	01/10/15	07:00	31/10/15	19:00	ODB	ER-I	OPGW INSTALLATION WORK	
79	A/R OF 400 KV BSF - MUZ -1	01/10/15	07:00	31/10/15	19:00	ODB	ER-I	OPGW INSTALLATION WORK	
80	A/R 132 KV SINGHESWAR ASTAHN - SONBARSHA (BSPTCL)	01/10/15	07:00	31/10/15	19:00	ODB	ER-I	OPGW INSTALLATION WORK	BIHAR
81	765 KV BUS REACTOR-2 & ITS BAYS(703,702) Sundergarh	01/10/15	09:00	01/10/15	18:00	ODB	ER-II/Odisha	AMP work	NLDC
82	315MVA ICT-II AT Maithon	01/10/15	09:00	01/10/15	17:00	ODB	ER- II/KOL	220KV R-Pole Line isolator replacementin the presence of OEM	DVC
83	Berhampore-Farakka Main bay	01/10/15	10:00	01/10/15	17:00	ODB	ER- II/KOL	AMP	NLDC
84	Tie bay Malda-Farakka-I	01/10/15	09:00	15/10/15	18:00	OCB	ER- II/KOL	EQUIPMENT REPLACEMENT UNDER ERSS-XIII.	
85	400 KV BINAGURI - BONGAIGAON - IV	01/10/15	08:00	01/10/15	16:00	ODB	ENICL	ANNUAL MAINTENANCE WORK	NLDC
86	400KV KTPP-KHARAGPUR#2	01/10/2015	08:00	01/10/2015	15:00	ODB	WBSETCL	PPM	
87	400 KV NPRN - NSLG - III	02/10/15	14:00	02/10/15	15:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	May be resceduled to November
88	400 KV NPRN - NSLG - IV	02/10/15	16:00	02/10/15	17:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	May be resceduled to November
89	Berhampore-Bheramara Ckt-I Main bay	02/10/15	10:00	02/10/15	17:00	ODB	ER- II/KOL	AMP	NLDC
90	400KV MAIN BAY NPRN-NSLG-II AT NPRN	02/10/2015	10:00	04/10/2015	18:00	OCB	ER-I	FOR OVERHAULING OF CGL BREAKER	
91	AT KHARAGPUR:400/220 KV 315 MVA TR#1	02/10/2015	08:00	02/10/2015	15:00	ODB	WBSETCL	PPM	
92	400 KV NPRN - MALDA - I	03/10/15	10:00	03/10/15	11:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	
93	400 KV NPRN - MALDA - II	03/10/15	12:00	03/10/15	13:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	
94	221 KV MTN-DHANBAD-II	03/10/15	09:00	03/10/15	17:00	ODB	ER- II/KOL	CVT Inspection/replacement	DVC
95	400KV Jeerat Subhasgram Line	03/10/15	09:00	03/10/15	17:00	ODB	ER- II/KOL	CB testing after retrofitting work.	WEST BENGAL

96	AT KHARAGPUR:400/220 KV 315 MVA TR#2	03/10/2015	08:00	03/10/2015	15:00	ODB	WBSETCL	PPM	
97	400 KV NPRN - MUZ- I	04/10/15	14:00	04/10/15	15:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	May be rescheduled to November/ NLDC
98	400 KV NPRN - MUZ- II	04/10/15	16:00	04/10/15	17:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	May be rescheduled to November/ NLDC
99	400KV KHARAGPUR-BARIPADA CKT	04/10/2015	08:00	04/10/2015	15:00	ODB	WBSETCL	PPM	
100	400 KV BIHARSHARIF- LAKHISARI -I & II	05/10/15	07:00	10/10/15	18:00	ODB	ER-I	FOR CONSTRUCTION WORK OF TRANSMISSION LINE, FOR SWAPPING OF BAYS	WILL NOT BE ALLOWED AS PROPOSED. WILL BE DISCUSSED IN NEXT OCC.
101	765 KV NRNC - DMG LINE	05/10/15	08:00	07/10/15	18:00	OCB	ER-I	LINE JUMPERING MODIFICATION WORK AND NTAMC SIGNAL VALIDATION	NLDC
102	400KV MTN-RTPS(DVC)	05/10/15	09:00	10/10/15	17:00	ODB	ER- II/KOL	PIR removal of main Bay CB .S/D required for crane movement. Line will be charged through TIE bay when crane movement is not required during PIR removal work	DVC
103	220 KV BUS-1 at Durgapur	05/10/15	08:00	10/10/15	18:00	OCB	ER- II/KOL	Dismantling , erection & commissioning of (4 NO BUS ISOLATOR) 20189A,20289A,20389A,20489A isolator under add cap. During the period 315 MVA ICT#1, 220 KV DVC#1 & 220 KV BUS SECTIONALIZER WILL BE OUT OF SERVICE	
104	400kv NSLG-PURNEA Ckt - I	05/10/15	09:00	08/10/15	17:00	ODB	ER- II/KOL	Spacer Replacement	May be rescheduled to November / NLDC
105	400 KV NPRN - BSF - I	05/10/15	10:00	05/10/15	11:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	NLDC
106	400 KV NPRN - BSF - II	05/10/15	12:00	05/10/15	13:00	ODB	ER-I	FOR NTAMC TESTING WORK AT NPRN	NLDC
107	220 KV GAYA - BODHGAYA -1	05/10/15	10:00	05/10/15	17:00	ODB	ER-I	AMP OF THE LINE AND BAY	BIHAR
108	63 MVAR L/R OF PATNA -KISHENGANJ -1 AT PATNA	05/10/15	10:00	10/10/15	18:00	ODB	ER-I	PLCC WORKS, CONNECTION OF LINE WITH L/R	
109	400 KV Jeypore-Gazuwaka-I Main Bay(Bay no-412)	05/10/15	09:00	05/10/15	17:30	ODB	ER-II/Odisha	AMP works	
110	400 KV Sundargarh-Raigarh # 2	05/10/15	09:00	06/10/15	17:00	ODB	ER-II/Odisha	For tightening & checking of Jumpers at various locations.	NLDC
111	Indravati-Rengali line	05/10/15	09:00	05/10/15	17:00	ODB	ER-II/Odisha	Replacement of Bushing 50MVAR L/R	NLDC
112	40889T1 & T2 Isolators Rengali	05/10/15	09:00	05/10/15	18:00	ODB	ER-II/Odisha	Alignment & function checking of Isolators, Isolator control circuit defective element replacement.	
113	220KV Bus#2 Subhasgram	05/10/15	08:00	05/10/15	17:00	ODB	ER- II/KOL	Stability for ICT#5 w.r.t. 220KV Bus -II under construction package and Hot spot rectification in the Bus isolator of the Lines/ICT's connected to Bus#2.	WEST BENGAL
114	ICT#5 Subhasgram	05/10/15	08:00	05/10/15	17:00	ODB	ER- II/KOL	Stability for ICT#5 w.r.t. 220KV Bus -II under construction package	WEST BENGAL
115	400 KV MLD-PRN-II	05/10/15	09:00	06/10/15	17:00	ODB	ER- II/KOL	Damaged insulator replacement by miscreants.	
116	400 KV KAHALGOAN - LAKHISARAI -II	05/10/15	10:00	05/10/15	14:00	ODB	ER-I	FOR AMP WORK	NLDC
117	400KV TIE BAY OF NPRN-NSLG-II & 500MVA ICT-I AT NPRN	05/10/2015	10:00	07/10/2015	18:00	OCB	ER-I	FOR OVERHAULING OF CGL BREAKER	
118	220KV DALK(WB)-DALK(PGCL)#1	05/10/2015	07:00	05/10/2015	14:00	ODB	WBSETCL	PPM	
119	315 MVA ICT - II AT NPRN S/S	06/10/15	08:00	18/10/15	18:00	OCB	ER-I	FOR RELACEMENT OF 315 MVA ICT WITH 500 MVA ICT	BIHAR / NLDC
120	400 KV RANCHI - RAURKELA - I	06/10/15	10:00	06/10/15	16:00	ODB	ER-I	FOR AMP WORK	
121	80 MVAR B/R AT LAKHISARAI	06/10/15	16:30	06/10/15	17:00	ODB	ER-I	FOR CSD COMMISSIONING WORK	
122	50 MVAR L/R OF BSF - SSRM - III AT BSF	06/10/15	09:00	06/10/15	17:00	ODB	ER-I	AMP WORK	
123	765 KV Angul Line -2 Line Reactor & 765 KV Angul-2 Line	06/10/15	09:00	06/10/15	18:00	ODB	ER-II/Odisha	AMP work	NLDC
124	220KV Bus I Baripada	06/10/15	09:00	07/10/15	15:00	ODB	ER-II/Odisha	Annual Maintenance	Odisha
125	50MVAR Rengali LR at Indravati s/s	06/10/15	09:00	13/10/15	17:00	OCB	ER-II/Odisha	Overhauling of Rengali LR	
126	400KV BARH-KAHALGAON #1	06/10/15	09:30	07/10/15	17:30	OCB	BSTPP	PM of CTs, ,LAs, Isolator, CB of Main and tie bay.	NLDC
127	400 KV Jeypore-Gazuwaka-II Main Bay(Bay no-413)	06/10/15	09:00	06/10/15	17:30	ODB	ER-II/Odisha	AMP works	
128	220KV PURNEA-DALKHOLA-1 & 2	06/10/2015	10:00	06/10/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	BIHAR
129	220KV DALK(WB)-DALK(PGCL)#2	06/10/2015	07:00	06/10/2015	14:00	ODB	WBSETCL	PPM	
130	JRT: 315MVA TR#1	06/10/2015	07:00	06/10/2015	15:00	ODB	WBSETCL	PPM	
131	400kV S/C Rengali-Indravati	07/10/15	08:00	08/10/15	18:00	ODB	ER-II/Odisha	For completion of stringing for the power line crossing span 95/0-96/0 of 765kV Angul-Jharsuguda Line-I (Part-I) under construction. (Commissioning Target 30.09.2015) & also for OPGW diamonding arrangement for repeater fixing at loc. No. 74/0 & 75/0 of 765kV Angul-Jharsuguda Line-2. Both the work will be taken up simultaneously. Hence S/D of both the lines (400kV S/C Rengali-Indravati & 765kV S/C Angul-Jharsuguda Line-II required simultaneously)	NLDC
132	765kV S/C Angul-Jharsuguda Line-2	07/10/15	08:00	08/10/15	18:00	ODB	ER-II/Odisha	For completion of stringing for the power line crossing span 95/0-96/0 of 765kV Angul-Jharsuguda Line-I (Part-I) under construction. (Commissioning Target 30.09.2015) & also for OPGW diamonding arrangement for repeater fixing at loc. No. 74/0 & 75/0 of 765kV Angul-Jharsuguda Line-2. Both the work will be taken up simultaneously. Hence S/D of both the lines (400kV S/C Rengali-Indravati & 765kV S/C Angul-Jharsuguda Line-II required simultaneously)	NLDC

133	400 KV KAHALGAON -BANKA#2	07/10/15	09:00	07/10/15	17:30	ODB	KhSTPS	PM works & relay testing	NLDC
134	400 KV RANCHI - RAURKELA - II	07/10/15	10:00	07/10/15	16:00	ODB	ER-I	FOR AMP WORK	
135	80 MVAR B/R AT LAKHISARAI	07/10/15	16:15	07/10/15	17:15	ODB	ER-I	FOR CSD COMMISSIONING WORK	
136	400 KV SASARAM - BIHARSARIF - I	07/10/15	10:00	07/10/15	14:00	ODB	ER-I	FOR AMP WORK	
137	220 KV GAYA - BODHGAYA -II	07/10/15	10:00	07/10/15	17:00	ODB	ER-I	AMP OF THE LINE AND BAY	BIHAR
138	220 KV Rourkela - Tarkera # 1	07/10/15	09:00	07/10/15	18:00	ODB	ER-II/Odisha	AMP Work	Odisha
139	ICT#4 Subhasgram	07/10/15	09:00	07/10/15	14:00	ODB	ER- II/KOL	Hot spot rectification in 89L isolator	WEST BENGAL
140	401 KV MLD-PRN-I	07/10/15	09:00	07/10/15	17:00	ODB	ER- II/KOL	Damaged insulator repalcement by miscreants.	
141	400 KV SSRM - NABINAGAR - 1	08/10/15	09:30	08/10/15	17:30	ODB	ER-I	AMP WORK	NABINAGAR
142	400 KV RNC - NRNC - III	08/10/15	08:00	08/10/15	18:00	ODB	ER-I	RECTIFICATION OF REBOOTING PROBLEM OF MAIN -II RELAY	
143	220KV Bus II Baripada	08/10/15	09:00	09/10/15	15:00	ODB	ER-II/Odisha	Annual Maintenance	Odisha
144	ICT#1 Subhasgram	08/10/15	09:00	08/10/15	14:00	ODB	ER- II/KOL	Hot spot rectification in 89L isolator	WEST BENGAL
145	400KV MAIN BAY OF 500MVA ICT-I AT NPRN	08/10/2015	10:00	10/10/2015	18:00	OCB	ER-I	FOR OVERHAULING OF CGL BREAKER	
146	400 KV MLD-FKK-I	09/10/15	09:00	09/10/15	18:00	ODB	ER- II/KOL	AMP.	NLDC
147	400kV Angul-Meramundali CKT-II (LILO portion of Tal-Mer CKT-II at Angul)	09/10/15	08:00	10/10/15	18:00	ODB	ER-II/Odisha	For Jumper rectification work	Odisha
148	400kV Angul-Talcher (LILO portion of Tal-Mer CKT-II at Angul)	09/10/15	08:00	10/10/15	18:00	ODB	ER-II/Odisha	For Jumper rectification work	Odisha
149	400 KV SSRM - NABINAGAR - 1	09/10/15	09:30	09/10/15	17:30	ODB	ER-I	AMP WORK	NABINAGAR
150	220 KV GAYA - DEHRI -I	09/10/15	10:00	09/10/15	17:00	ODB	ER-I	AMP OF THE LINE AND BAY	BIHAR
151	400 KV RNC - NRNC - IV	09/10/15	08:00	09/10/15	18:00	ODB	ER-I	RECTIFICATION OF REBOOTING PROBLEM OF MAIN -II RELAY AND NTAMC TESTING	
152	400KV Bus Reactor Main Bay(Bay-416)	09/10/15	09:00	09/10/15	17:30	ODB	ER-II/Odisha	AMP works	
153	220 KV Rourkela - Tarkera # 2	09/10/15	09:00	09/10/15	18:00	ODB	ER-II/Odisha	AMP Work	Odisha
154	132 KV MLD-MLD-I	09/10/15	08:00	09/10/15	18:00	ODB	ER- II/KOL	PRE-PUJA WORK.	WEST BENGAL
155	220KV ARA-PUSAULI(PG)-1 & 220KV ARA-PUSAULI(BSPCTL)	09/10/2015	10:00	09/10/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	BIHAR
156	765 KV B/R -2 AT NRNC	10/10/15	11:00	10/10/15	14:00	ODB	ER-I	FOR NTAMC TESTING WORK	NLDC
157	132 KV MLD-MLD-II	10/10/15	08:00	10/10/15	08:00	ODB	ER- II/KOL	PRE-PUJA WORK.	WEST BENGAL
158	220KV ARA-KHGAUL-1 & 2	10/10/2015	10:00	10/10/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	BIHAR
159	400 KV Rourkela - Raigarh # 2	11/10/15	09:00	11/10/15	18:00	ODB	ER-II/Odisha	AMP Work	NLDC
160	400KV KTPP-JRT LINE	11/10/2015	06:00	11/10/2015	15:00	ODB	WBSETCL	PPM	
161	400 KV BIHARSHARIF- SASARAM - III & IV	12/10/15	07:00	30/10/15	18:00	OCB	ER-I	FOR CONSTRUCTION WORK OF TRANSMISSIN LINE, FOR SWAPPING OF BAYS	WILL NOT BE ALLOWED AS PROPOSED. WILL BE DISCUSSED IN NEXT OCC.
162	400 KV BIHARSHARIF- PURNEA - I & II	12/10/15	07:00	25/10/15	18:00	OCB	ER-I	FOR CONSTRUCTION WORK OF TRANSMISSIN LINE, FOR SWAPPING OF BAYS	WILL NOT BE ALLOWED AS PROPOSED. WILL BE DISCUSSED IN NEXT OCC.
163	400kV NSLG-PURNEA Ckt - II	12/10/15	09:00	15/10/15	17:00	ODB	ER- II/KOL	Spacer Replacement	May be rescheduled to November / NLDC
164	63 MVAR L/R OF BSF - SSRM - I AT SSRM	12/10/15	09:30	12/10/15	17:30	ODB	ER-I	AMP WORK	
165	220 KV GAYA - DEHRI -II	12/10/15	10:00	12/10/15	17:00	ODB	ER-I	AMP OF THE LINE AND BAY	BIHAR
166	765 KV L/R -2 AT NRNC	12/10/15	08:00	12/10/15	18:00	ODB	ER-I	CRM AND ALIGNMENT OF TIE BAY ISOLATOR UNDER EXTENSION PKG.	NLDC
167	220 KV Bus - I Rourkela	12/10/15	09:00	12/10/15	18:00	ODB	ER-II/Odisha	AMP Work	Odisha
168	220KV Transfer Bus Rourkela	12/10/15	09:00	12/10/15	15:00	ODB	ER-II/Odisha	Annual Maintenance	
169	400KV Maithon Mejia-II Line	12/10/15	09:00	12/10/15	14:00	ODB	ER- II/KOL	Line CT AMP Test	DVC
170	TIE BAY OF 400KV NPRN-NSLG-3 & NPRN-MUZ-2 AT NPRN	12/10/2015	10:00	12/10/2015	14:00	ODB	ER-I	FOR CT OIL SAMPLING	
171	400KV NPRN-NSLG-3 MAIN BAY AT NPRN	12/10/2015	15:00	12/10/2015	17:00	ODB	ER-I	FOR CT OIL SAMPLING	
172	63 MVAR L/R OF BSF - SSRM - II AT SSRM	13/10/15	09:30	13/10/15	17:30	ODB	ER-I	AMP WORK	
173	125 MVAR B/R -1 AT GAYA	13/10/15	10:00	13/10/15	17:00	ODB	ER-I	AMP WORK	
174	765 KV B/R -1 AT NRNC	13/10/15	11:00	13/10/15	14:00	ODB	ER-I	FOR NTAMC TESTING WORK	NLDC
175	220 KV Bus - II Baripada	13/10/15	09:00	13/10/15	18:00	ODB	ER-II/Odisha	AMP Work	Odisha
176	315 MVA ICT#1 at Durgapur	13/10/15	08:00	13/10/15	18:00	OCB	ER- II/KOL	Dismantling , erection & commissioning of 20189B, 20189T isolator under add cap	DVC
177	400KV SSRM-NABINAGAR-1 & 2	13/10/2015	10:00	13/10/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	NABINAGAR
178	400KV NPRN-MUZ-2 MAIN BAY AT NPRN	13/10/2015	10:00	13/10/2015	12:00	ODB	ER-I	FOR CT OIL SAMPLING	
179	L/R OF 400KV NPRN-MUZ -2 AT NPRN	13/10/2015	12:00	13/10/2015	14:00	ODB	ER-I	FOR CT OIL SAMPLING	
180	400KV NPRN-MUZ-1 MAIN BAY	13/10/2015	15:00	13/10/2015	17:00	ODB	ER-I	FOR CT OIL SAMPLING	
181	50 MVAR L/R OF BSF - SSRM - III AT SSRM	14/10/15	09:30	14/10/15	17:30	ODB	ER-I	AMP WORK	
182	400 KV B/R -2 AT NRNC	14/10/15	11:00	14/10/15	14:00	ODB	ER-I	FOR NTAMC TESTING WORK	
183	400 KV Rourkela - Chaibasa # 1	14/10/15	09:00	15/10/15	18:00	ODB	ER-II/Odisha	Removal of PIR in 400 KV Rourkela - Chaibasa # 1 Main Bay (Bay No.- 416)	
184	Indravati-Rengali line	14/10/15	09:00	14/10/15	16:00	ODB	ER-II/Odisha	Testing of 50 MVAR LR & taking in service in LINE	NLDC
185	220 KV MLD-DLK-I	14/10/15	09:00	14/10/15	18:00	ODB	ER- II/KOL	Bay AMP.	
186	400 KV KAHALGAON -BANKA#1	14/10/15	07:30	14/10/15	19:00	ODB	KhSTPS	PM works & relay testing	NLDC

187	765KV SSRM-FATEHPUR	14/10/2015	10:00	14/10/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	NLDC
188	400KV NPRN-NSLG-4 & NPRN- MUZ-1 TIE BAY AT NPRN	14/10/2015	10:00	14/10/2015	14:00	ODB	ER-I	FOR CT OIL SAMPLING	
189	400KV NPRN-NSLG-4 MAIN BAY AT NPRN	14/10/2015	15:00	14/10/2015	17:00	ODB	ER-I	FOR CT OIL SAMPLING	
190	50 MVAR L/R OF BSF - SSRM - IV AT SSRM	15/10/15	09:30	15/10/15	17:30	ODB	ER-I	AMP WORK	
191	125 MVAR B/R -II AT GAYA	15/10/15	10:00	15/10/15	17:00	ODB	ER-I	AMP WORK	
192	3X105 MVA ICT-I Jaypore	15/10/15	09:00	15/10/15	09:30	ODB	ER-II/Odisha	Changing the combination of ICT-I from(Unit-I,II,III) to (Unit-I,II,IV) and oil Replacement work at Unit-III.	Odisha
193	41289A & B Isolators rengali	15/10/15	09:00	15/10/15	18:00	ODB	ER-II/Odisha	Rectification of Alignment problem & function checking of Isolators.	
194	315MVAR ICT-II New Siliguri	15/10/15	09:00	15/10/15	17:00	ODB	ER- II/KOL	AMP of Equipment	
195	220 KV MLD-DLK-II	15/10/15	09:00	15/10/15	18:00	ODB	ER- II/KOL	Bay AMP	
196	400KV SSRM-ALLAHABAD & 400KV SSRM-SARNATH	15/10/2015	10:00	15/10/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	NLDC
197	L/R OF 400KV NPRN-MUZ -1 AT NPRN	15/10/2015	10:00	15/10/2015	12:00	ODB	ER-I	FOR CT OIL SAMPLING	
198	400KV NPRN-MALDA-2 MAIN BAY AT NPRN	15/10/2015	12:00	15/10/2015	14:00	ODB	ER-I	FOR CT OIL SAMPLING	
199	400KV NPRN-MALDA-2 & 125MVAR BR-1 TIE BAY AT NPRN	15/10/2015	15:00	15/10/2015	17:00	ODB	ER-I	FOR CT OIL SAMPLING	
200	765 KV 80 MVAR SPARE REACTOR AT GAYA	16/10/15	10:00	16/10/15	17:00	ODB	ER-I	AMP WORK	NLDC
201	Indravati-Jeypore line	16/10/15	09:00	17/10/15	17:00	OCB	ER-II/Odisha	Changing the postion of LA & CVT in all three phases & hardware modification for the saidwork.	NLDC
202	80MVAR BONG -IV L/R	16/10/15	09:00	16/10/15	17:00	ODB	ER- II/KOL	AMP of Equipment	
203	400KV SSRM-ALLAHABAD & 400KV ALLAHABAD-SARNATH	16/10/2015	10:00	16/10/2015	12:00	ODB	ER-I	FOR LINE IMPEDANCE MEASUREMENT WORK	NLDC
204	400KV, 125MVAR BR-1 MAIN BAY AT NPRN	16/10/2015	10:00	16/10/2015	12:00	ODB	ER-I	FOR CT OIL SAMPLING	
205	400KV NPRN-MALDA-1 MAIN BAY AT NPRN	16/10/2015	12:00	16/10/2015	14:00	ODB	ER-I	FOR CT OIL SAMPLING	
206	400KV NPRN-MALDA-1 TIE BAY AT NPRN	16/10/2015	15:00	16/10/2015	17:00	ODB	ER-I	FOR CT OIL SAMPLING	
207	315MVA ICT-2 MAIN BAY AT NPRN	17/10/2015	10:00	17/10/2015	12:00	ODB	ER-I	FOR CT OIL SAMPLING	
208	220KV Bus Coupler Bay(Bay-202) Jaypore	18/10/15	09:00	18/10/15	17:30	ODB	ER-II/Odisha	AMP works	Odisha
209	220KV Maithon - Kalyaneshwari-1 line	24/10/15	09:00	24/10/15	17:00	ODB	ER- II/KOL	Alignment adjustment of line isolatorand Insulator replacement	DVC
210	220KV Daikhola-Purnea-I	25/10/15	09:00	25/10/15	15:00	ODB	ER- II/KOL	Hot spot rectification	
211	220 KV TBC BAY AT SSRM	27/10/15	09:30	27/10/15	17:30	ODB	ER-I	AMP WORK	
212	220 KV BUS COUPLER BAY AT SSRM	28/10/15	09:30	28/10/15	17:30	ODB	ER-I	AMP WORK	
213	50MVAR Indravati - Rengali LR	28/10/15	09:00	10/11/15	18:00	OCB	ER-II/Odisha	Drying out of 50MVAR Line Reactor of 400kV Indravati Line at Rengali S/s.	
214	400kV Rengali - Indravati Line	28/10/15	09:00	28/10/15	07:12	ODB	ER-II/Odisha	To Isolate 50MVAR LR	NLDC
215	125MVAR BUS REACTOR-II	28/10/15	09:00	01/11/15	17:00	OCB	ER- II/KOL	Vacuum & Dry out as per ORM July'15	
216	400KV Maithon Gaya-I line	29/10/15	09:00	29/10/15	18:00	ODB	ER- II/KOL	Removal of pipe bus required for dismantling of Tie CB(41752)	
217	400KV MTN-KHG-II& Gaya-1 Tie bay	29/10/15	09:00	09/11/15	18:00	OCB	ER- II/KOL	Dismantling of old and erection of New 400KV CB	
218	400KV FARAKKA-KAHALGAON # 3	29/10/15	09:00	29/10/15	17:30	ODB	NTPC	Bay CT testing	

**Anticipated Power Supply Position for the month of
Oct-15**

SL.NO	PARTICULARS	PEAK DEMAND MW	ENERGY MU
1	BIHAR		
i)	NET MAX DEMAND	3300	1804
ii)	NET POWER AVAILABILITY- Own Source (including bilateral)	1200	157
	- Central Sector	2100	1506
iii)	SURPLUS(+)/DEFICIT(-)	0	-142
2	JHARKHAND		
i)	NET MAX DEMAND	1100	770
ii)	NET POWER AVAILABILITY- Own Source (including bilateral)	500	302
	- Central Sector	600	331
iii)	SURPLUS(+)/DEFICIT(-)	0	-137
3	DVC		
i)	NET MAX DEMAND (OWN)	2669	1600
ii)	NET POWER AVAILABILITY- Own Source	4823	2530
	- Central Sector	496	347
	Long term Bi-lateral (Export)	1250	930
iii)	SURPLUS(+)/DEFICIT(-)	1400	347
4	ORISSA		
i)	NET MAX DEMAND	3900	2177
ii)	NET POWER AVAILABILITY- Own Source	2300	1924
	- Central Sector	1056	693
iii)	SURPLUS(+)/DEFICIT(-)	-544	440
5	WEST BENGAL		
5.1	WBSEDCL		
i)	NET MAX DEMAND (OWN)	5310	2959
ii)	CESC's DRAWAL	420	78
iii)	TOTAL WBSEDCL's DEMAND	5730	3037
iv)	NET POWER AVAILABILITY- Own Source	4081	2217
	- Import from DPL	-30	27
	- Central Sector	1745	1170
v)	SURPLUS(+)/DEFICIT(-)	66	377
5.2	DPL		
i)	NET MAX DEMAND	280	223
ii)	NET POWER AVAILABILITY	250	250
iii)	SURPLUS(+)/DEFICIT(-)	-30	27
5.3	CESC		
i)	NET MAX DEMAND	1900	880
ii)	NET POWER AVAILABILITY - OWN SOURCE	930	546
	FROM HEL	530	256
	FROM CPL/PCBL	45	0
	Import Requirement	395	78
iii)	TOTAL AVAILABILITY	1900	880
iv)	SURPLUS(+)/DEFICIT(-)	0	0
6	WEST BENGAL (WBSEDCL+DPL+CESC) (excluding DVC's supply to WBSEDCL's command area)		
i)	NET MAX DEMAND	7490	4062
ii)	NET POWER AVAILABILITY- Own Source	5261	3013
	- Central Sector	2275	1425
iii)	SURPLUS(+)/DEFICIT(-)	46	377
7	SIKKIM		
i)	NET MAX DEMAND	85	35
ii)	NET POWER AVAILABILITY- Own Source	16	6
	- Central Sector	126	83
iii)	SURPLUS(+)/DEFICIT(-)	58	55
8	EASTERN REGION At 1.03 AS DIVERSITY FACTOR		
i)	NET MAX DEMAND	18004	10448
	Long term Bi-lateral	1250	930
ii)	NET TOTAL POWER AVAILABILITY OF ER (INCLUDING C/S ALLOCATION)	20753	12318
iii)	PEAK SURPLUS(+)/DEFICIT(-) OF ER (ii)-(i)	1500	940