



STATE LOAD DESPATCH CENTRE
OFFICE OF THE Sr. GENERAL MANAGER (POWER SYSTEM)
ODISHA POWER TRANSMISSION CORPORATION LIMITED
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CIN – U40102OR2004SGC007553

No-SGM (PS)-PL-15/2015 / 4027⁽³⁹⁾

Dated: 05.11.2015

From:

The Sr. G.M. (Power System),
OPTCL, Bhubaneswar-17.

To:

As per distribution list

Sub: Minutes of 90th Power System Operational Co-ordination meeting held on 17.10.2015 at PTC, Chandaka .

Sir,

Please find enclosed herewith the minutes of 90th Power System Operational Co-ordination meeting held on 17.10.2015 at Power Training Centre, Chandaka.

This is for your information & necessary action.

Encl: As above

Yours faithfully;


Sr. G.M. (Power System)

Copy along with enclosures forwarded to the Executive Assistant to CMD, Gridco / OPTCL for kind information of CMD.

Distribution list

1. The Director (Commercial), Gridco, Bhubaneswar
2. The Director (Operation), OHPC, Bhubaneswar
3. The CGM (O & M), OPTCL, Bhubaneswar
4. The CGM (Const.), OPTCL, Bhubaneswar
5. The CGM, (RT&C), OPTCL, Bhubaneswar
6. The C.G.M. (PP), GRIDCO, Bhubaneswar
7. The CGM (IT), OPTCL, Bhubaneswar
8. The Sr. G.M (C.P), OPTCL, Bhubaneswar
9. The Sr. G.M. (TP&C), OPTCL, Bhubaneswar
10. The Sr. G.M. (CPC), OPTCL, Bhubaneswar
11. The Sr. G.M.(O&M), Zone-I, Narendrapur
12. The Sr. G.M.(O&M), Zone-II, Meramundali
13. The Sr. G.M. (Telecom), OPTCL, Bhubaneswar
14. The Member Secy., (GCC), OPTCL, Bhubaneswar
15. The C.E.O., CESU, Bhubaneswar
16. The C.O.O., WESCO Utility, Burla
17. The C.O.O., NESCO Utility, Balasore
18. The C.O.O., SOUTHCO Utility, Berhampur
19. The Vice President (O), IMFA, Choudwar
20. The D.G.M (Electrical), IbTPS, OPGC, Banharpali
21. The G.M. (O &M), CPP, NALCO, Angul
22. The DGM (O & M), NTPC (TTPS), Talcher
23. The G.M., HINDALCO, Hirakud
24. The D.G.M. (Power Distribution), RSP, Rourkela
25. The D.G.M. (Elect.), JINDAL Stainless Ltd, Duburi
26. The G.M., Vedanta Aluminium Ltd., Jharsuguda
27. The G.M.(Elect.), Bhushan Steel & Power Ltd, Budhipadar
28. The Sr. G.M. (Elect.), Bhusan Steel Limited, Meramundali
29. The S.E., Machhakund

Odisha Power Transmission Corporation Ltd. Bhubaneswar.

Minutes of 90th PSOC meeting held on 17.10.2015 at PTC, Chandaka

List of participants is at Annexure.

Sr. G.M (Power System) welcomed all the participants to the 90th Power System Operational Coordination meeting and highlighted the system performance during the month of September'2015 and overall power scenario of the State. He also emphasized on the drawal by all the Discoms during the month.

The meeting was chaired by CGM (O&M), OPTCL.

D.G.M. (SS), SLDC took the agenda items for discussion.

The review proceeded as follows:

PART A: CONFIRMATION OF MINUTES

A.1: Confirmation of minutes of 89th PSOC meeting held on 29.08.2015

The minutes of meeting was circulated vide letter No. SGM (PS)-PI-15/2015/3440⁽³⁰⁾, dated 10.09.2015 to all the members and also uploaded in the SLDC website. No comment has been received from any of the members.

Deliberation in the meeting

Since no comments have received from the members, the minutes of 89th PSOC meeting was confirmed.

PART B : SYSTEM PERFORMANCE

B1: Review of Grid Performance for the month of September'2015.

(A) Frequency

It was noticed that, during the month of September'15, **61.04%** of times the frequency remained in the IEGC band i.e. 49.90Hz - 50.05Hz in comparison to **66.58%** during the month of August'15. The maximum and minimum System frequency during the month was **50.35 Hz & 49.54Hz** respectively.

(B) Grid demand

Grid demand for the month of **September'15** was reviewed. The energy average consumption during the month was **3137MW**. The maximum System demand of **3849 MW** occurred on **09.09.2015** at **22:00 Hrs** and minimum demand of **2388 MW** occurred on **20.09.15** at **14:00 Hrs**.

Deliberation in the meeting

It is observed that the average energy consumption during the month of **September' 15** was decreased by **119 MW** and the peak demand was decreased by **143 MW** from that of **August'15**. The **average** energy consumption during the month has been increased by **109 MW** in comparison to **Sept'14**.

[Action: SLDC]

(C) Voltage Profile of important Sub Stations in OPTCL System during the month of Sept'15.

The Voltage profile at different 220 kV buses in OPTCL system during the month of **September'15** was reviewed.

Deliberation in the meeting

The maximum voltage of 251.43 kV was occurred at Jaynagar 220 kV bus while Narendrapur, Barkote and Paradeep 220 kV bus have experienced the minimum Voltage of 183.36 kV, 185.21 kV and 188.21 kV respectively.

Sr. G.M (PS) stated that tap changers of many Power Transformers are not functioning to operate during low Voltage conditions. GM (O&M) stated that frequent operation of tap changers is not advisable. However, in case the Voltage goes beyond a certain limit the tap changers shall be operated. It was decided that action shall be taken to make tap changers of all power Tfrs functional.

[Action: CGM (O&M)]

(D) Loading of 220/ 132 kV Auto at 220 kV S/Ss in OPTCL system for the month of September'15.

Auto loading of all 220 kV S/Ss was reviewed. It was noticed that some of the ICTs have not been provided with energy meter. It was decided that Energy audit meter shall be made available for all the Auto transformers and keep in functional.

[Action: CGM (O&M)]

(E) Energy Generation / import during the month of September'15

Energy generation and exchange during the month of September'15 was reviewed. The total quantum of energy drawn from all the generation sources including Central Sector Share and CGP/IPP support during the month was **2258 MU**.

(F) Drawal of Machhakund Power during the month of September'15

The drawal of Machhakund power during the month of September'15 was **18.045 MU** against AP drawal of **23.316 MU**. Total generation was **43.426 MU**

In the last meeting, it was decided that Jayanagar S/S shall explore the drawal during off peak period by providing matching load. It was also decided that OHPC shall convene a meeting between Machhakund authority, Gridco, OPTCL and SLDC. Southco shall expedite the construction of 33 kV line to connect Gumuda with Akhusing S/S.

Sr. G.M (PS) shall place the requisition for providing RVDU at Jayanagar control room for display of Machhakund drawal.

Deliberations in the meeting

It was decided that OHPC shall convene a meeting with Machhakund authority to decide the modality for states power drawal from Machhakund. SLDC shall place requisition for providing a RVDU at Jayanagar control room for monitoring of Machhakund generation & drawal in real time basis. Southco shall expedite the construction of 33 kV line to connect Gumuda with Akhusing S/S.

[Action: OHPC / Southco / Gridco / SLDC/ O&M]

(G) DISCOM Drawal during the month of September'15

The schedule and actual energy drawal by Discoms for the month of **July'15** was reviewed.

Deliberation in the meeting

It was noticed that all the Discoms were overdrawn substantial quantum of energy beyond schedule during the month. SLDC stated that the error in real time drawal display for CESU and NESCO has been rectified. NESCO stated that the period of restriction imposed in NESCO control area is not adequate to maintain their schedule. SLDC stated that since hydro generation availability has been enhanced for irrigation requirement, the Discoms should avail their entitled quantum of power.

[Action: All Distribution Utilities / SLDC]

(H) Under Frequency relay operation in OPTCL System during the month of September'15.

There is no UF Relay operation occurred during the month of September'15 as the frequency had never gone beyond 48.50 Hz.

PART C- Issues raised in 114th OCC meeting of ERPC held on 16.10.2015

C.1: Handing over of 2 nos 132 kV bays at 400/220/132 kV Kuchei (Baripada) Grid S/s in Odisha.

As discussed in the Standing Committee meeting held in New Delhi on 08.02.2012, OPTCL has been allotted 4 nos. 132 kV bay at Kuchei Grid S/s in Odisha. During site visit by OPTCL for connection of 2 nos.132kV feeders from Kuchei –Jaleswar line, there is not sufficient space for termination. It was noticed that 2 nos. equipped 132kV bay meant for Jharkhand is available at Kuchei S/s lying un-utilised and is learnt that the same bays shall not be used in near future. It was also informed that JUVNL is yet to construct 132kV line that will be connected with these 2 nos. bay. Since these 2 nos. bay cannot be used by Jharkhand and the guarantee period of equipment / materials will expire, it is better OPTCL, can immediately use these bays for its line, which is going to be completed within next 3 to 4 months.

During 110th OCC meeting at Kolkata, this issue of allotment of bays was discussed and it was opined that consent of JUVNL, may be accorded for handing over the 2 nos. 132kV bays to OPTCL. In view of this, JUSNL is requested to communicate their consent for sparing the 2 nos. bays meant for JUVNL to OPTCL for better utilization of the existing equipments in the bay within its guarantee period.

Deliberations in the meeting

CGM (Const) stated that CMD, OPTCL has written a letter to MD JUVNL, Jharkhand in this regard, but no response has been received. It was decided that CGM (Const) may write a reminder to MD, JUVNL marking a copy to CMD, OPTCL.

[Action: CGM (Const.)]

C.2: Furnishing of data for Electricity Generation Targets for the year 2016-17

You are aware that the annual exercise of assessment and finalization of the generation targets and the planned maintenance schedules of the generating units for the year 2016-17 is being initiated by CEA. Although the generation performance of the various stations and their planned & unscheduled outages are regularly monitored in CEA but it is felt that a more realistic projection of month-wise generation in the coming year could be made by the respective Station Authorities.

While monitoring the generation performance during the current financial year, it has been observed that power utilities are facing the problem of loss of generation due to no / low schedules and losses accounted on other technical and commercial egresses. Accordingly, it is requested that the following inputs may kindly be submitted to this office as per the enclosed

Annexure:

i) **(Annex- I (point no. 1 to 5))** The unit-wise proposed generation during 2016-17 (monthly and yearly) along with anticipated generation during 2015-16, the anticipated loss of generation on account of various constraints (e.g. Grid Constraints/ Low schedules/ Reserve shutdown /high fuel cost) may be

accounted and furnish with necessary details. The details of units like boiler/ turbine make, date of commissioning etc may also be furnished.

ii) (**Annex – I (point no. 6)**) Utilities who have their Power Purchase Agreement (PPA) with various Discoms, Trader, states etc. and the details may be furnished in MW for Long and Medium term Agreement for assessing the expected generation for next year.

iii) (**Annex- I (point no 7 (a) and (b))**) The details of coal linkages from coal agencies and availability of gas/ liquid fuel.

iv) (**Annex – I (point no. 8)**) Unit wise cost of generation and rate of sale of power.

v) (**Annex- II**) Detailed unit-wise schedule of Planned Maintenance (approved by the respective Regional Power Committees) and R&M to be carried out during 2016-17 may also be furnished.

The information may please be furnished electronically at the email address

targetopmcea@gmail.com, kiran.meena@nic.in with a copy to ERPC (e-mail: mserpcpower@nic.in) latest by 31st October, 2015.

For any inconvenience in submission of data you may contact Mrs. Kiran Meena, Assistant Director, CEA, Ph- 011-26732684, Mob.08588831051 or write to the following address:

Chief Engineer (OPM Division), Room No.604 (N), Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066

Ph. 011-26105026 (Telefax)

For your convenience the input formats are also being made available at CEA website

<http://www.cea.nic.in> in Whats New/ Flash News and ERPC website www.erpc.gov.in.

Deliberations in the meeting

All Generators & CGPs are requested to submit the data to CEA directly with copy to Gridco / SLDC

[Action: All Generators and CGPs]

C.3: 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.erpc@gov.in / mserpc-power@nic.in**).

Members may submit the data for LGBR by 31.10.2015.

Deliberations in the meeting.

SLDC stated that all the Generators and Discom utilities have been requested to forward their generation and drawal projections for the FY 2016-17.

[Action: SLDC / OPTCL/ OHPC / OPGC/TTPS/CGPs]

C.4: Preparation of crisis management plan for Cyber Security in Power Sector in line with CERT-IN.

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

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

Deliberations in the meeting.

CGM (IT) may examine and prepare a Crisis Management Plan for countering the cyber attacks for OPTCL.

[Action: CGM (O&M) / CGM (IT)]

C.5: 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, WBPDCI 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.

Deliberations in the meeting

It was decided that CGM (O&M) may remind **BIS** again.

[Action: CGM (O&M)]

C.6: Restricted Governor Mode of Operation.

The latest status of units of ER under RGMO is available at ERPC website (<http://www.erpc.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. ERLDC requested all the constituents to send the generator response.

CERC in the RoP dated 14.07.15 in Petition No. 84/MP/2015 filed by NRLDC has directed as under:

“10. The Commission also directed SLDCs to approach their respective SERCs to initiate appropriate action under the Act against the State generating stations which have not provided adequate primary response during both grid events reported by the petitioner.”

Deliberations in the meeting.

SLDC stated that the state hydro stations are not being run on continuous basis, rather they are generating as per the real time requirement. In such a situation, the response of hydro stations cannot be assessed, however the thermal stations can place their response in the event mentioned above.

[OPGC / TTPS (NTPC)]

C.7: 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-Joda up to dead end tower at Chaibasa (JUSNL) was charged for the first time at 19:44hrs of 10/08/15.
3. 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.
4. 400kV Meramundali-New Duburi-II was charged for the first time at 13:15hrs of 11/09/15.
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. Indbharat Unit-I of 350 MW was synchronized for the first time at 17:03hrs of 11/09/15.
7. Barh Unit-V of 660 MW was synchronized for the first time at 11:19hrs of 17/09/15.

Members may note

C.8: 220 kV inter-connecting lines of OPTCL with 400/220 kV Bolangir (PG), Keonjhar & Pandiabil S/s

PGCIL has already commissioned the 2 X 315MVA 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 110th OCC, OPTCL updated the completion schedule of inter-connecting system as follows:

Sl. No.	Name of the transmission line	Completion schedule
1.	2 X 315MVA 400/220kV Bolangir S/s	
a.	LILO of one circuit of Sadeipalli-Kesinga 220 kV D/C line at Bolangir S/S.	Severe ROW problem, December'2015
b.	LILO of one circuit of Katapalli-Sadeipalli 220 kV D/C line at Bolangir S/S.	DEcember'2015
2.	400/220 kV Keonjhar S/S.	
a.	Keonjhar (PG)-Keonjhar (OPTCL) 220 kV D/C line	Tender processed
b.	Keonjhar (PG)-Turumunga (OPTCL) 220 kV D/C Line.	Yet to be awarded
3.	400/220 kV 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 order issued.

[Action: CGM (O&M) / CGM (Const)]

C.9: Third Party Protection Audit

Status of 1st Third Party Protection Audit:

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

Name of Constituents	Observations	Total Complied	% of Compliance
Odisha	59	39	45.76

As deliberated in the OCC, OPTCL have complied 39 Nos observations out of total 49. The balance 10 nos belong to OHPC and OPGC. OHPC stated that they have complied their observations.

Deliberations in the meeting.

Sr. G.M (PS) stated that 2nd third party audit for Mendhasal S/S shall be scheduled to be conducted on 2nd November 2015

[Action: CGM (O&M)]

C.10: Antitheft charging of lines from Meramundali end --ERLDC

At 11:43hrs of 22/09/15, SLG (i.e Y-N) fault occurred on 400kV Meramundali- IBTPS-I (idle charged from Meramundali) but the breaker did not open at Meramundali and consequently LBB protection operated at Meramundali Bus-II leading to tripping of 400kV Meramundali-N.Duburi-II, 400kV and 400/220kV ICT-II at Meramundali (tripped from LV side). It may be noted that in the previous PCC/OCC meetings it was discussed and confirmed that 400kV Meramundali- IBTPS D/C line would not be idle charged from Meramundali end due to similar protection issues. Also, it may be noted that as per directives from Electrical Inspectorate Division, CEA, New Delhi, regarding tapping of lines 66kV and above class, provisions of sub regulation(6) of regulation 44 are to be strictly complied with and such matters need to be taken up with the Chief Electrical inspector.

Deliberations in the meeting.

G.M (O&M) stated that since the line belong to the State network, directions of Electrical Inspectorate Division, CEA, New Delhi may not be required.

[Action: OPTCL]

C.11: Availability of only one 220kV Main Bus in Joda Substation of OPTCL

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 Joda 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.

113th OCC, it was advised OPTCL to look into the issue.

OPTCL agreed to send their views.

Deliberations in the meeting.

CGM (O&M) stated that they have written to ABB for replacement of all isolators at Joda Grid S/S in the 1st phase of renovation.

[Action: CGM (O&M)]

C.12: Mock Black start exercises in Eastern Region – ERLDC

Sl. No.	Name of Hydro Station	Schedule (1 st)	Tentative Date	Schedule (2 nd)
1	U.Kolab	Last week of May, 2015	Done on 16/07/2015	Last Week of January, 16
2	Rengali	2nd week of June 2015	Done on 13/10/2015	Last week of November, 15
3	U. Indravati	3 rd week of June 2015	Done on 16/07/2015	2 nd week of February 2016
4	Balimela	1 st week of November,15		1 st week of March 2016
5	Burla			

A procedure for conducting mock black start exercise for Burla PH need to be developed by SLDC in coordination with OHPC.

Deliberations in the meeting.

SLDC stated that the procedure for mock drill for Burla HEP is being developed in coordination with OHPC.

[Action: SLDC / OHPC]

C.13: 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'15 is circulated in the meeting.

The status as updated in the SCADA 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 isolator status is 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

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
II	JSPL (Meramundali - 400)	Anlog data is available. Digital data not available.	OPTCL informed that they are taking matter with JSPL. Problem still not resolved

In the last meeting Vedanta Limited stated that materials are expected to be received from ABB by August and completion of work is expected by Sept'15.

OPTCL stated that they have resolved the issue. Reversal of CT polarity for two Nos. of units has to be done by NALCO. GCC may write to NALCO in this regard.

It was decided that O&M may not issue Technical clearance for open access transaction in favour of the CGPs till compliance of data communication. Sr. G.M (Telecom) may write to NALCO for revival of communication system or else may approach the OERC through Petition.

[Action: CGM (O&M) / Sr. G.M (Telecom)/ NALCO/ JSPL]

C.14: Status of commissioning of generating station and transmission elements

New transmission elements:

SI No.	Name of Element	Expected date
7	LILLO of Baripada-Mendhasal D/C at New Duburi	commissioned
11	400 kV Meramundali-Dubri D/C	One ckt charged. 2 nd ckt schedule: October'2015
12	400 kV IB-Meramundali D/C	November' 2015
14	220 kV Bidansai-Cuttack D/C	March'2016

[Action: CGM (Const)]

PART-D – Operational Issues

D.1: Non-compliance of drawal schedule by DISCOMs

Non compliance of drawal schedule messages issued to Discoms during the month of **August'15**:

Sl. No	Name of Discom	No. of message issued	Over drawal (MU)
1	CESU	18	54.867
2	WESCO	21	21.414
3	NESCO	6	4.577
4	SOUTHCO	6	5.145
	Total	51	86.003

September'15

Sl. No	Name of Discom	No. of message issued	Over drawal (MU)
1	CESU	47	46.960
2	WESCO	55	40.576
3	NESCO	57	30.616
4	SOUTHCO	39	5.429
	Total	198	123.581

It is noticed that CESU & WESCO had overdrawn a substantial quantum of power while Southco & NESCO had also overdrawn during the month of August . During the month of September all the Discoms have over drawn substantial quantum of power. It was also noticed that CESU was continuously overdrawing since last six months. As stated by CESU, that they are predicting the drawal from the SCADA data.

In the last meeting it was decided that SLDC shall take all steps to display CESU's real time drawal more accurately. The S/Ss not integrated with SCADA may be incorporated manually in the drawal display of CESU and compare with the actual to ascertain its accuracy.

Deliberations in the meeting.

SLDC stated that mismatch between actual and drawal display of CESU has been rectified. CESU can estimate the day ahead drawal in a realistic manner.

[Action: CESU]

D.2: Availability of data of real time power flow of feeders covered under Under-frequency Load shedding scheme (UFLS) and lower relief expected to obtained in real time system operation

In the last meeting Sr. G.M (Telecom) stated that MFMs have already been installed at the following S/Ss.

- | | | | |
|--------------|--------------------|--------------|---------------|
| 1. Khurda | 2. Bhanjanagar | 3. Jayanagar | 4. Theruvali |
| 5. Boinda | 6. Chainpal | 7. Dhenkanal | 8. Balasore |
| 9. Bhadrak | 10. Jajpur Road | 11. Bargarh | 12. Bhadrak |
| 13. Bolangir | 14. Bolangir (New) | 15. Rourkela | 16. Sambalpur |

Integration will be done soon after joint testing with EMR.

Deliberations in the meeting.

Sr. G.M (Telecom) stated that data availability for all feeders have been completed except four Nos. of S/Ss, for which the CT/ PT output is required. It was decided that all the remaining S/Ss may be completed before the next meeting in coordination with the respective EMR wing, as the matter has been considerably delayed.

[Action: Sr. G.M (Telecom) / O&M]

D.3: Revival of Station Transformer for Station Auxiliary supply at Balimela HEP.

It was suggested to keep minimum number of ckts in service while of low generation at Balimela to reduce Var injection. Also it was suggested to avoid keeping two units in synchronization with minimum generation (10 MW each) to meet the auxiliary requirement in contingency conditions, even though DG set is available.

Although it was agreed in the last meeting by OHPC to keep one unit of Balimela synchronized and one No. 220 kV ckt during low generation period as per SLDC direction, it is noticed that BHEP is not complying the same.

In the last meeting it was suggested that, OHPC may install new pumps with high suction head to lift the technical water requirement. It was decided that OHPC may write to Water Resources Dept. for early repair of the barrage to prevent the leakage. OHPC may not waste water, which is a pricey item in the present scarcity scenario. OHPC stated that SLDC is instructing to keep two nos. of Upper Kolab units to keep synchronized. It was decided that SLDC should not instruct to keep units with minimum generation unless the situation warranted

Also new pump sets need to be installed at Burla PH for dewatering purpose.

Deliberations in the meeting.

OHPC stated that water leakage in the barrage at Balimela has been rectified. Three month of time is required to avail station supply from Balimela Grid S/S. Further, OHPC stated that SLDC is instructing to minimize the generation at Balimela and Upper Kolab and maximizing during the peak period, which causes, inconsistency in water flow for irrigation requirement and wastage of water during peak hours as well. Director (Commercial) advised to plan the generation considering the irrigation requirement.

[Action: SLDC]

D.4: Prolonged outage of transmission elements and tentative revival dates

The tentative revival dates of transmission elements are updated in the last meeting are as follows:

Sl.No	Name of transmission element	Reason of outage	Probable date of revival
1	220kV Jayanagar-Theruvali ckt-III breaker	Breaker already commissioned. Isolator problem	November 2015
2	220/132 kV, 100 MVA Auto-II at Duburi	After inspection by repairer, date can be ascertained	Spares received. Work will be taken up after rainy season.
3	220/132 kV, 100 MVA Auto-I, Bhadarak		October' 2015

[Action: CGM (O&M)]

D.5: Communication issues

(i) Installation of communication equipment by CGPs / Industries.

The status of data communication from CGPs as deliberated in the last meeting is as follows

Sl. No	Name of CGP	Present status
1	M/s IFFCO, Paradeep	Outdoor commissioning work completed. RTU was locally tested. After replacement of the faulty CVT data will be integrated.
2	M/s MSP Mettalicks	PLCC / RTU installed. Database has already been prepared by OPTCL. Final RTU integration with OPTCL system by the vendor is awaited.
3	M/s NINL, Duburi	M/s NINL has requested for Scheme, BOQ for PLCC / SCADA, which has been forwarded by OPTCL. No action has been taken by NINL so far.
4	M/s Adhunik Metalliks	Work order placed with ABB for supply of RTU.
5	M/s Rohit Ferrotech	PLCC established and inspection by Telecom Engineers completed. Data base has already been prepared by OPTCL.
6	M/s VAL, Jharsuguda	No isolator status is available. MW/ MVAR not available for Sterlite 1&2 line, station transformer / Smelter. CBs of Bus coupler data, Bus-1 kV/Hz are not available. As per MOM between OPTCL & Sesa Sterlite, Jharsuguda dtd 22.09.2014, provision for telemetry data will be extended within 6 months (March, 2015). The CGP is not responding. VAL intimated that data shall be made available in all respect by July, 2015. No progress of work.

It was decided that OPTCL, while issuing Technical clearance shall consider the provisions also. OPTCL may also approach OERC in this regard.

[Action: O&M / Sr. G.M. (Telecom.)]

(ii) Availability of Tap position of 400kV ICTs at Meramundali.

It is noticed that tap position of Meramundali ICTS are not available for SCADA display.

In the last meeting Sr. G .M (Telecom) stated that the work has been completed and shall be made available after joint testing with EMR by September' 15.

Deliberations in the meeting.

Sr. G.M (Telecom) stated that the work has already been completed.

(iii) Availability of data at SLDC.

The real time data in respect of the following transmission elements are not available at SLDC

- (a) Auto loading of 220/132 kV, 100 MVA Mendhasal S/S.
- (b) Power flow through 132 kV Paradeep- Jagatsinghpur ckt.

In the last meeting Sr. G .M (Telecom) stated that the work has been completed and shall be made available after joint testing with EMR by September' 15.

Deliberations in the meeting.

Sr. G.M (Telecom) stated that the work has already been completed.

(iv) Interruption of SCADA.

It is noticed that there is frequent interruption of SCADA System, resulting problem in real time operation. Action may be taken to avoid such frequent interruption of SCADA.

In the last meeting, Sr. G.M (Telecom) stated that Powergrid link between Rourkela-Kaniha is being used for data transfer. The link is not healthy due to heavy fiber loss. Powergrid have proposed to upgrade the existing SDH equipment to STM16. Work order has already been awarded.

Deliberations in the meeting.

Sr. G.M (Telecom) stated that up gradation of the existing SDH equipment to STM16 in progress.

(v) Integration of new element.

M/s SSL-SEZ became a consumer of WESCO Utility with effect from 20.03.2015 and importing power through intra State open access from its CGP at Jharsuguda as well as from other utility. The drawal of SSL-SEZ needs to be integrated to SCADA to ascertain WESCO Utility drawal and State demand on real time basis. Since the SSL is reporting to ERLDC, Sr. G.M (Telecom) may write to ERLDC for integration of SSL-SEZ drawal in to the SCADA.

At present generation data of SSL-IPP connected with State Transmission System is being received through ERLDC. But most of the times the data become suspected. SEZ drawal date is yet to be received. However, the calculated figure is being displayed. Sr. G.M (Telcom) may write to SSL to transmit uninterrupted date of IPP generation as well as integrate SEZ drawal to ERLDC.

In the last meeting, Sr. G.M (Telecom) stated that M/S SSL (Vedanta Ltd) is yet to respond. It was decided that SLDC and OPTCL, while issuing Technical clearance shall consider the provisions also.

Deliberations in the meeting.

It was decided that Sr. G.M. (Telecom) shall write issue reminder to M/s Vedanta Ltd for functioning the data communication system.

[Action: Vedanta Ltd. / Sr. G.M (Telecom)]

D.6: Display of dashboard data.

The status of lease line of all Discoms as deliberated in the meeting are as detailed.

Sl. No	Dist. Utility	Status of leased line	Remarks
1	CESU	Already connected. RVDU commissioned	Data display available
2	WESCO	Already connected. RVDU commissioned	Data display available
3	NESCO	Already connected. RVDU commissioned	Data display available
4	SOUTHCO	Already connected. RVDU commissioned	Data display available

The Dash board shall be kept in parallel with RDVU for three months.

CGM (IT) / Sr. G.M (Telecom) / SLDC / All Dist. Utilities may please update the status.

D.7: Web based drawal / generation scheduling.

SLDC is going to implement web based drawal / generation scheduling for Dist. Utilities and State generating stations including IPPs and CGPs soon. A demo has been organized on 29.07.15.

In the last meeting, CGM (IT) stated that, web based generation scheduling module for State generating stations has been already been developed by IT wing. Modules for Discom and CGP / IPP shall be made available before the next PSOC meeting. After approval by the stake holders the same shall be go live from September'15. All Users were requested to forward their respective schedule in the prescribed format.

In the last meeting CGM (IT) stated that web based scheduling modules have already been done. SLDC may write all State generators, IPPs and CGPs to nominate their representative to attend one day demonstration cum training programme at SLDC for web base scheduling. The date of the training may be finalized in coordination with CGM (IT).

Deliberations in the meeting

IT representative deliberated that SLDC shall finalize the date preferably during first week of November-2015 for one day demonstration cum training programme at SLDC for web base scheduling.

[Action: SLDC / CGM(IT)]

D.8: Replacement of Battery bank at SLDC data centre.

It is noticed that the existing battery bank at SLDC data centre have become defunct and unable to supply back up in case of power failure. SLDC data centre experienced severe problem from 19.09.15 to 21.09.15 due to cable fault causing interruption of power. The DG set has to run continuously during the above period to provide power supply to the data centre. This issue has already been brought to the notice of IT wing of OPTCL, entrusted for maintenance of the Data Centre.

Deliberations in the meeting

IT representative deliberated that tender has already been floated for replacement of Battery bank at SLDC data centre.

D.9: Tripping of feeders at Meramundali & Duburi Sub-station.

It is noticed that all 220kV feeders emanating from Meramundali & Duburi grid sub-station at 04:59 Hrs on 18.09.15 on LBB indication. As per the report received, D/P relay of 220kV Meramundali-Duburi ckt.-I operated at both the ends, but the breaker did not operate at either end resulting tripping of all 220kV feeders. Since, the above sub-stations are vital in OPTCL system, healthiness of protection system is a prime requirement from grid security point of view.

Deliberations in the meeting

The issue has already been discussed in the Protection Co-ordination Sub-committee meeting of ERPC.

D.10: Non-compliance of Grid Code provision by Meramundali sub-station.

On 22.09.15, 400kV Meramundali - New Duburi ckt tripped which was subsequently charged at Meramundali in absence of charging code from ERLDC through SLDC. ERLDC has issued a message to SLDC in this regard. It is also learnt that even New Duburi sub-station was not intimated prior to charging of the line.

Deliberations in the meeting

It was decided that all the Shift Engineers of 400kV grid sub-station shall be instructed to follow the Grid Code provisions.

[Action: CGM(O&M)]

D.11: DISCOM Issues

SOUTHCO:

1. Data in RVDU are not being updated except 4 to 5 interception points. Schedule revision, SOUTHCO total Block period are not being updated with all other points.
2. Due to implementation of Load restriction on account of huge power shortage during the current month, the actual drawal may be treated as schedule and waive out of deviation charges.

CESU

1. Mismatch of displayed and actual drawal given in the bill lead to inaccurate drawal prediction on day-ahead basis.
2. RVDU installed at CESU H.O. is not functioning very often.

Deliberations in the meeting

The drawl data of Discom control area displayed is meant for monitoring purpose which may not necessarily shall match with actual meter reading. This has been several times in the meeting and explained to G.M. in charge of ABT cell, CESU.

The RVDU data display is being captured from the Chemtrol system which may require some time to become stable. However, action is being taken to minimize the interruption.

[Action: SLDC / Sr. G.M (Telecom)]

NESCO

1. Arrangement of 33 kV Bay and control unit at 132/33 kV Anandapur Grid Sub-station to avail power supply in 33kV feeder connecting to the newly constructed 33/11kV Structure at Chhenapadi and Rekutia under ODSSP.
2. Extension of 33kV Bay at Baripada 132/33kV Grid Sub-station for dedicated 33 kV feeder of Medical College at Rangamatia.

Deliberations in the meeting

It was decided that, OPTCL shall examine the requisition already placed by NESCO for bay extension at Anandpur & Baripada. NESCO shall take up the construction of 33kV line.

[Action: CGM(O&M) / NESCO]

PART E: OPERATIONAL PLANNING

E.1: Commissioning status of New Transmission elements.

The status of commissioning of new transmission elements is as follows:

Sl. No	Transmission element details	Present Status
1	Commissioning of 220 kV Jayanagar-Jeypore 2 nd DC line	Work has already been started. Expected to be completed by March 2016.
2	Commissioning of 400 kV Meramundali-Mendhasal 2nd ckt	Line is ready and shall be charged after commissioning of 3 rd ICT at Mendhasal, which is under progress.
3	Commissioning of 400 kV Ib-Meramundali D/C line.	400kV SSEL-Meramundali line has been idle charged from SSEL end. Due to theft of conductor line could not be charged. Expected to be charged by end of Nov'2015.
4	Commissioning of 400 kV Duburi-Meramundali D/C line.	One ckt charged.
5	Commissioning of 220 kV Bidanasi-Cuttack line	Work in progress and expected to be completed by March 2016.

6	Commissioning of 220/132 kV Cuttack S/S	Work in progress and expected to be completed by December 2015.
7	Commissioning of 132 kV Baripada (PG)-Jaleswar line	Work has already been started, which will be completed by December 2015. Availability of bay at Baripada PG is uncertain.
8	Commissioning of 220/132 kV Kesinga S/S	Work under progress. Expected by September 2016.
9	Connectivity to Keonjhar PG	Proposal is mooted to be placed in the BoD meeting for connecting the proposed 220 / 33 kV Keonjhar S/S and with Turumunga S/S through 2 Nos. 220 kV ckts each.
10	LILO of 220 kV Burla - Bolangir line (one ckt) at Bolangir(PG)	Work has been started. Expected to be completed by December, 2015
11	220 kV Bolangir –Kesinga D/C line and LILO of one ckt at Bolangir(PG).	220kV Bolangir - Kesinga D/C line is under construction. It is proposed to connect Bolangir (PG) through LILO arrangement of one ckt. Land dispute is yet to be resolved.

Status of Discom's action plan for power drawal from the S/Ss expected to be commissioned in near future.

Sl. No	Name of the sub-station	Probable month of commissioning	Name of DISCOM	Action taken by Discoms
1	132/33kV, 2x20 MVA Khajuriakota	December'15	CESU	By July'15
2	132/33kV, 2x40 MVA Kalunga	Charged on 03.11.15	WESCO Utility	
3	220/33kV, 2x20 MVA Banei	Dec'15	WESCO Utility	
4	132/33kV, 2x20 MVA Padmapur	Dec'15	WESCO Utility	
5	132/33kV, 2x20 MVA Udala	Dec-15	NESCO Utility	Line existing
6	132/33kV, 2x20 MVA Somanathpur	Sept'15	NESCO Utility	33 kV feeder existing.

CESU stated that action is being taken for construction of 33/0.4 kV S/S at Mendhasal to avail power supply for Mendhasal area.

Deliberations in the meeting

CGM (Const.) stated that 11kV line at Sarsmal (Jharsuguda) need to be diverted from the switchyard to facilitate construction of second transformer bay.

E.2: Installation of Energy Metering at Hydro / Traction & Solar projects.

In the last meeting OHPC stated that meters installed at Upper Kolab and Upper Indravati are yet to be tested. After completion of testing, Gridco shall consider the Secure meters for billing purpose. O&M may take action for testing of these energy meters early.

WESCO shall take follow up action with Railway authority for replacement of CT & PT and meter panel at the traction points and intimate the progress in the next meeting.

Deliberations in the meeting

Sr. G.M., UIHEP stated that as per the PPA, joint meter reading with signature of both the parties is required for billing purpose. SLDC stated that for downloading of meter data, joint signature is not required. The PPA may be modified accordingly.

[Action: Gridco / OHPC]

E.3: TTPS Issue.

Implementation of Feeder Metering

1. STL team had been to TTPS for testing of feeder meters. TTPS authority had asked them for testing of other meters instead of these meters. It is construed that TTPS is deliberately avoiding implementation of feeder metering. Further OPTCL has agreed to spare a set of PT and CT of required accuracy for installation at TTPS-Duburi 132 kV feeder. TTPS is delaying to place requisition for the same. Members expressed their concern for such activity. It was decided that Director (Com) shall take up the matter with the higher authority of NTPC.

2. It is noticed that TTPS has replaced the energy meters (used for billing purpose) without prior intimation to SLDC / GRIDCO. The reason and circumstances under which the meters need replacement may be deliberated.

Deliberations in the meeting

1. TTPS deliberated that all the meters were tested & calibrated by the STL on 09.10.2015. The 132kV CTs for TTPS-Duburi-1 have been replaced. Further, as per the PPA dated 08.03.1995, the energy meters are to be installed at GT end. Since the meter locations will be shifted to feeders, the corresponding clause in the PPA is required to be amended. Accordingly, the proposal has been sent to the competent authority of NTPC for approval.
2. All information regarding replacement / relocation of energy meters have been communicated to SLDC.

It was decided that Gridco shall explore the feeder metering in co-ordination with TTPS.

[Action: Gridco / TTPS]

E.4: Major Events in the month of August & September'15

132/33 kV, 20 MVA Auto at Lapanga 440/220/132 kV S/S charged on 11.08.2015.
132/33 kV, 1x40 MVA Kalunga S/S charged on 07.09.2015

E.5: Important Grid Incidences during the month of August'15 and September'15.

Deliberations in the meeting

Important Grid Incidences during the month of August'15 and September'15 were reviewed.

E.6: Reporting of major Incidents

It is noticed that, very often the reports in respect of major incident received from the field S/Ss are not in proper order and not containing the relay indications and sequence with justification. At times the report is being received after considerable lapses of time, even after 2-3 days, which lead to embarrassing situation in the protection coordination sub-committee meeting of ERPC

Deliberations in the meeting

It was decided that the preliminary report shall be sent by the respective DGMs within 24 hours of occurrence of the incident to SLDC. The final report shall be sent to SLDC after due analysis by the concern E&MR Divisions.

[Action: (O&M)]

E.7: Reporting of transmission element outage

It is noticed that in the event of planned / forced outage of transmission elements Grid S/Ss are not reporting the details such as relay indication, outage and restoration timing and work done indicating (Loc. No & phase) to SLDC Sou-motu. The above details are not being received even after a lot of persuasion from SLDC. Sometimes, it takes months time to get the information. All GM, EHT (O&M) Circles may be advised to instruct all Grid S/Ss to forward the information to SLDC immediately after occurrence through email.

Deliberations in the meeting

CGM (O&M) shall instruct all the field units to report the incidents to SLDC

[Action: (O&M)]

E.8: Outage of major transmission Elements during the month of August'15 & September'15. (above 10 hrs).

Outage of major transmission elements above 10 hours during the month of September'15 was reviewed. Most of the outages are due to jumper snapping.

Deliberations in the meeting

O&M shall take preventive measures to avoid jumper snapping.

[Action : CGM (O&M)]

E.9: Review of Outage Program of State Generators / Transmission elements for the month of November'2015:

Tentative Outage programme for State Generators for the month of **November'2015** are as follows:

Sl.	Station	Unit	Period	Remarks
1	Burla	# 6	17.02.14 to continue	Programming for R, M & U
2	Chiplima	#3	15.02.14 to continue	Programming for R & M
3	Balimela	# 1	31.01.13 to continue	Programming for R & M
4	Upper Kolab	# 1	29.07.15 to 31.01.16	Capital Maintenance
5	TTPS	# 6	25.10.15 to 28.11.15	Capital Maintenance
6	IbTPS	# 1	05.01.16 to 08.02.16	Annual Maintenance
		# 2	05.04.16 to 25.04.16	Annual Maintenance

SLDC proposed to defer the shutdown programme of #6 TTPS and #1 & #2 of IbTPS due to power scenario in the State.

OHPC / TTPS / IbTPS / SLDC may deliberate.

E.10: Generation Program for the month of October'15.

Generation schedule for the month of October'15 furnished by OHPC are given below.

Name of Hydro Gen. Station	Generation Programme (MW)		Reservoir Level as on 15.10.14	Reservoir Level as on 15.10.15	MDDL	High Flood Reservoir Level
	Oct'15 (1 st fortnight)	Oct'15 (2 nd fortnight)				
HPS, Burla	80+40	120+40	625.06ft	629.67ft	590 ft.	630 ft.
Balimela	90	100	1512.50ft	1501.70ft	1440 ft.	1516 ft.
Rengali	60	20	122.01mt	119.28mt	109.72mtr	123.5 mtr.
U.Kolab	80	100	856.49mt	856.34mt	844 mtr	858 mtr.
U. Indravati	220	270	640.71mt	636.00mt	625mtr	642 mtr
MKD (O/D)	30	30	2748.50ft	2748.30ft	2685 ft.	2750 ft.
TOTAL	600	680				

Deliberations in the meeting.

The generation programme for November 2015 is yet to be finalized

[Action: OHPC]

E.11: Agenda by RSP (SAIL), Rourkela.

- (i) Review of relay settings of Tarkera - RSP 220kV feeders
- (ii) Drawal clearance during shutdown of 60MW unit-1 of NSPCL from 01.10.15 to 20.10.15.
- (iii) Clearance for construction of two 220kV bays at Tarkera grid sub-station and construction of 220kV D/C line.

The issue could not be discussed as RSP representative was not present in the meeting. The same will be discussed in the next PSOC meeting.

E.12: Agenda by HINDALCO, Hirakud

Frequent tripping of 132kV Burla-Hindalco and Burla-FRP feeders causing unreliability supply. 33 trippings during April-15 to August15.

Deliberations in the meeting.

It was decided that OHPC shall maintain 132kV Burla PH-HINDALCO feeder to avoid frequent tripping. Director (Com) stated that WESCO has already issued clearance for connectivity of HINDALCO with Katapali S/S at 220 kV Voltage level.

[Action : HINDALCO/ OHPC]

E.13: Anticipated power generation and demand for the month of November'2015.

The tentative power generation availability and demand of Discoms for the month of November'15 was reviewed. The anticipated peak deficit is marginal.

[Action : Gridco/ SLDC]

PART F: OTHER ISSUES

F.1: Training Programme on “Power Distribution Regulations & Automation” proposed to be conducted by National Power Training Institute (NPTI), Bengaluru for DISCOM executives.

NPTI, Bengaluru has proposed a five days training programme on “Power Distribution Regulations & Automation” for DISCOM executives at Bengaluru. The details of programme & courses to be covered have been forwarded to all DISCOMs by NPTI. The DISCOMs may contact & suggest for any item to be included and avail the opportunity of the said programme.

Deliberations in the meeting.

All Discoms have taken a note of the above for necessary action.

[Action: All Discoms]

F.2: Date and Venue of the next (91st) PSOC meeting.

The date and venue of 91st PSOC meeting will be intimated to all members.

90th Power System Operational Co-ordination Review Meeting
[At 11:00 A.M. on 17.10.2015]
[At Power Training Center, OPTCL, Chandaka, Bhubaneswar]

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