



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 / 2461⁽²⁹⁾

Dated: 11.06.2015

From:

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

To:

As per distribution list

Sub: Minutes of 86th Power System Operational Co-ordination meeting held on 23.05.2015 at PTC, Chandaka .

Sir,

Please find enclosed herewith the minutes of 86th Power System Operational Co-ordination meeting held on 23.05.2015 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 A.O., WESCO Utility, Burla
17. The A.O., NESCO Utility, Balasore
18. The A.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 86th PSOC meeting held on 23.05.2015 at PTC, Chandaka

List of participants is at Annexure.

Sr. G.M (Power System) welcomed all the participants to the 86th Power System Operational Coordination meeting and highlighted the system performance during the month of April'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 85th PSOC meeting held on 29.04.2015

The minutes of meeting was circulated vide letter No. SGM (PS)-PI-15/2014/2089⁽³⁰⁾, dated 12.05.2015 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

Minutes of 85th PSOC meeting was confirmed since no comments were received.

PART B : SYSTEM PERFORMANCE

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

(A) Frequency

It was noticed that, during the month of April'15, **56.89%** of times the frequency remained in the IEGC band i.e. 49.90Hz - 50.05Hz in comparison to **57.20%** during the month of March'15. The maximum and minimum System frequency during the month was **50.31Hz & 49.67 Hz** respectively.

(B) Grid demand

Grid demand for the month of **April'15** was reviewed. The energy consumption during the month was **2158 MU**. The maximum System demand of **3851 MW** occurred on **10.04.2015** at **21:00 Hrs** and minimum demand of **1736 MW** occurred on **28.04.15** at **20:00 Hrs**.

Deliberation in the meeting

It is observed that energy consumption during the month of **April' 15** was decreased by **45 MU**, while the peak demand during the month has decreased by **130MW** from that of **March'15**. The energy consumption during the month has been decreased by **58 MU** in comparison to **April'14**. The decrease in energy consumption and peak was due to frequent storm & wind causing load loss during the month.

(C) Voltage Profile of important Sub Stations in OPTCL System.

The Voltage profile at different 220 kV buses in OPTCL system during the month of **April'15** was reviewed. The maximum voltage of 250.04 kV occurred at Bhanjanagar and 245.37 kV at Jayanagar Grid Sub-station while Bhanjanagar, Chandaha, Narendrapur & Paredeep 220 kV bus has experienced the minimum Voltage of 186.02, 179.08, 180.01 and 194.97 kV respectively.

Deliberation in the meeting

Sr. G.M (PS) stated that high voltage at Jayanagar has been arrested to some extent in comparison to previous months. Powergrid has scheduled for installation of additional reactor at Jeypore by June'2015. CGM (O&M) stated that low Voltage problem at Paradeep area shall be resolved only after commissioning of 400 kV Duburi S/S. WESCO stated that frequent low Voltage problem at Kesinga and Kantabanji area noticed. CGM (O&M) stated that after commissioning of 220 kV Kesinga Grid, the low Voltage at Kesinga and Kantabanji shall be resolved.

[Action: CGM (O&M)]

(D) Energy Generation / import during the month of April'15

Energy generation and exchange during the month of April'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 **2157 MU**.

(E) Drawal of Machhakund Power

The drawal of Machhakund power during the month of April'15 was 26.706 MU against AP drawal of 31.114 MU.

Since, the Auto at Jayanagar has already been charged. The bus modification work at Jayanagar S/S is to be taken up by OPTCL.

In the last meeting, Sr. G.M. (Telecom) stated that OPGW equipments at Machhakund and Jayanagar by POWERGRID is expected to be completed by June 2015, after which, Remote Subscriber (RS) phone provision can be made from Jayanagar S/S.

Deliberation in the meeting

Sr.GM (PS) stated that Machhakund drawal was reduced during the month of April due to shutdown of Jayanagar Auto. Machhakund units are under shutdown from 19.05.15 to 05.06.2015. Sr. G.M (O&M), Zone-I stated that bus modification work will be taken up after revival of Machhakund generation.

Sr. G.M (Telcom) stated that revival of communication between Machhakund will be restored after revival of Machhakund generation.

Southco Utility stated that work for linking of 33 kV Gumuda feeder at Akhusing S/S is under progress.

In view of the decision taken for sale of entire Machhakund share to AP, OHPC has written a letter to APGENCO for installation of check meters at Machhakund PH.

[Action:-Sr. G.M (Telecom) / Sr.GM (O&M)-I / SOUTHCO Utility]

(F) DISCOM Drawal during the month of April'15

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

Deliberation in the meeting

It was noticed that CESU have overdrawn substantially to the tune of 20.492 MU while NESCO has overdrawn 2.6 MU. SOUTHCO Utility & WESCO Utility have under drawn 10.70MU & 1.16MU respectively. WESCO & CESU stated that wide variation of drawal by the large industries are causing over drawal / under drawal of WESCO & CESU resulting non-compliance of drawal schedule. It was suggested that the DISCOMs may ask the bulk consumers to furnish their tentative drawal schedule to them or predict their drawal pattern. In case of non-response from them, DISCOMs may approach OERC to address the issue.

[Action: All Distribution Utilities]

(G) Under Frequency Relay operation in OPTCL System during the month of April'15.

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

PART C – issues of 108th OCC meeting of ERPC

C1: PLCC Status installed in Eastern Region

In 106th OCC, Powergrid agreed to restore and maintain the PLCC system at both ends (its own end as well as the constituent end) of a line wherein the other ends are not being maintained by respective constituents for some reasons or others. It was decided that the cost of restoration and maintenance of PLCC system at such (constituent) ends of the line will be borne by the respective constituents. In addition to this the constituents also agreed to extend all possible support to Powergrid in carrying out the above work.

It was decided in the last meeting that G.M (Telecom) shall prepare the estimate only for those PLCC required to be maintained and forward to Powergrid. List of PLCC equipments to be handed over to Powergrid has only been intimated to Powergrid, Bhubaneswar by Sr. G.M. (Telecom.).

GM, O&M stated that 10 Nos. of EL have been commissioned. EL at Theruvali and Jayanagar are to be commissioned.

OHPC stated that procurement of EL for Balimela, Rengali and Upper Kolab is under process. Synchronization of Indravati EL with GPS is expected to be completed within two months.

Deliberations in the meeting.

Sr. G.M (Telecom) has written to Powergrid for maintenance of defective PLCC only as per the list for which reply from Powergrid is yet to be received.

CGM (O&M) stated EL have been commissioned at all the sub-stations as per the recommendation of 3rd party protection audit.

OHPC stated that procurement of EL for Balimela, Rengali and Upper Kolab is under process. Synchronization of Indravati EL with GPS is expected to be completed by October'15.

[Action: CGM (O&M) / Sr.GM (Telecom.) / OHPC]

C2: Status of “Third Party Protection Audit”

List of observations in 1st third Party Protection Audit along with updated compliances received from the constituents are available in ERP website

The format for data collection to initiate 2nd Third Party Protection Audit is circulated to the constituents and also made available in ERPC website. All constituents requested to send requisite information by 16th March 2015. On site inspection of 2nd Third Party Protection Audit will commence after receiving the data.

In 107th OCC, members agreed to start 2nd Third Party Protection Audit from the month of May, 2015 with the check lists already designed and modified by ERPC in line with recommendation of the Task Force Committee. It was decided that relevant information as per data format already circulated may be collected during actual visit of Audit team. Finally it was decided in the 108th OCC meeting to conduct 3rd Party Protection Audit from the month of June, 2015.

In the last meeting it was decided that inclusion of Balasore sub-station in place of Joda shall be proposed.

Deliberations in the meeting.

CGM (O&M) stated that data for all S/Ss have been furnished to CPRI. Inclusion of Balasore sub-station in place of Joda has already been proposed. Data submitted in proper format.

[Action: C.G.M. (O&M)]

C3: 220 kV inter-connecting lines of OPTCL with 400/220 kV Bolangir (PG) S/s

400/220 kV, 2 X 315 MVA S/S at Bolangir has been established by Powergrid as part of ISTS system & the following 220 kV interconnecting lines were envisaged to be established by OPTCL:

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

Deliberations in the meeting

The status of the lines as deliberated is as follows:

- (i) LILO of OPTCL's Burla-Bolangir line (One ckt) at Bolangir (PG): June, 2015
- (ii) Bolangir –Bolangir (PG) S/C line, which is a part of proposed Bolangir- Kesinga D/C line with one ckt LILO at Bolangir(PG): RoW problem is yet to be resolved.
- (iii) Bolangir PG-Kesinga S/C line (Part of Bolangir-Kesinga D/C line): Work started.

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

C4: Future requirement of Special Energy Meters and DCDs

The requirement of frequency based ABT Special type meters up to 2014 has been procured by Powergrid and likely to be exhausted shortly. Beneficiary Constituents of ER are requested for assessment of their requirement of Special Type Energy Meters and DCDs for the period from 2015 to 2017 and intimate the same in the next OCC meeting so that the advance action for procurement can be taken.

In the last meeting SLDC stated that DCDs may not be required as Powergrid is going to adopt AMR for all the metering points soon. However, the existing DCDs may be replaced by Powergrid. SLDC intimated Powergrid for replacement of defective DCDs.

Deliberations in the meeting

SLDC stated that DCDs may not be required as Powergrid is going to adopt AMR by ERLDC for all the metering points soon. However, the existing defective DCDs are to be replaced by Powergrid. SLDC has intimated Powergrid accordingly.

[Action: SLDC]

C5: Certification through BIS as per IS 18001:2007 to all generating / transmission units.

In the last meeting CGM (O&M) stated that BIS has not responded yet. However, BIS will be reminded again.

Deliberations in the meeting.

CGM (O&M) stated that as BIS is not responding in spite of reminders by OPTCL, ERPC may be requested to write BIS in this regard.

[Action: CGM (O&M)]

C6: Pollution mapping for Eastern Region

In 107th OCC meeting, Powergrid informed that the Pollution measurement would start from 1st April, 2015. Constituents were requested to complete the “First set of Pollution Measurement” by 15th April, 2015 and communicate the measurement results to the ERPC, Powergrid and CPRI in the prescribed format (available in the ERPC website).

In the last meeting it was deliberated that Southco Utility has completed all its 26 Nos locations. Measuring kits are being issued. Measurement will be completed by the end of June’2015.

Deliberations in the meeting.

CGM (O&M) stated that measurement has already been started. The Discoms may take the measuring kit from OPTCL for pollution measurement.

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

C7: Proposal for review of Power Demand Order (PDO) condition for HVDC Gazuwaka poles, in view of repeated tripping in South Odisha.

ERLDC had made a presentation on the existing and proposed PDOs at HVDC Gazuwaka poles and sought views of OPTCL for implementation in the 106th OCC meeting of ERPC. In 29th PCC, OPTCL agreed to the proposal.

In the OCC meeting it was decided that, OPTCL shall study and forward their comments to ERPC / ERLDC. OPTCL has already forwarded their comments to ERLDC.

Deliberations in the meeting.

CGM (O&M) stated that views of OPTCL have already communicated to ERLDC.

PART-D – Operational Issues

D1: Non-compliance of drawal schedule by DISCOMs

Non compliance of drawal schedule messages issued to Discoms during the month of April'15 was reviewed. Maximum 25 numbers of such messages were issued to WESCO Utility followed by 17 Nos. each to NESCO Utility and CESU while 12 Nos to Southco Utility. Total over drawal by all DISCOM utility was 11.223 MU during the month.

Deliberations in the meeting.

Southco utility stated that as their drawal was reduced due to frequent storm causing load loss, SLDC may revise their drawal schedule on post- facto basis. SLDC stated that post-facto revision of schedule cannot be done by SLDC. All the Discoms were requested to predict their drawal in a realistic manner to avoid over drawal / under drawal. Frequent revision of drawal schedule may be avoided as far as possible.

[Action: All Distribution Utility]

D2: 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 DGM (Telcom.) stated that the delivery date was 06.04.2015. The firm has requested to accept DD in place of CBG. However the firm is yet to submit offer for inspection.

Deliberations in the meeting.

Sr. G.M. (Telecom) stated that way bill has already been issued. Work will be completed soon after receipt of material.

[Action: Sr.GM (Telecom)]

D3: Levy of Reactive Energy Charges due to injection of VAR to the grid.

It is noticed that GRIDCO is the only constituent in ER, liable to pay Reactive Energy charges due to injection of reactive power to the pool at the following inter connection point for the period from 23.02.2015 to 01.03.2015.

- (1) 400kV Indravati-Indravati PG
- (2) 400kV Meramundali- Angul PG D/C
- (3) 220kV Rengali – Rengali PG D/C
- (4) 132 kV Baripada PG – Rairangpur

In the last meeting, it was decided that SLDC shall monitor the VAR injection of IPP / CGP on real time basis.

Minimum number of ckts shall be kept in service in case of low hydro generation. Sr. G.M (PS) stated that Balimela HEP is keeping two Units in synchronization with minimum generation (10 MW each) to meet its auxiliary requirement in contingency conditions, even though DG set is available.

OHPC stated that Balimela units cannot sustain till DG set operation. However, the problem can be sorted out after renovation of units.

It is suggested to avail station supply from the nearby 220/33kV Balimela grid sub-station as other hydro power stations instead of keeping two numbers of units on the bus all the times with minimum generation.

Deliberations in the meeting.

SLDC stated that Balimela PH may revive their 33/11kV station transformers for availing power supply in contingency conditions and avoid keeping two nos. of units in bar all the time. It was decided that OHPC shall approach OPTCL for extension of power supply at 33kV from 220/33 kV, Balimela sub-station.

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

D4: Prolonged outage of transmission elements and tentative revival dates**Deliberations in the meeting**

The updated revival / tentative revival of prolonged outage of transmission elements are as detailed.

Sl.No	Name of transmission element	Reason of outage	Probable date of revival
1	220 kV Jayanagar-Theruvali ckt-III Breaker	Breaker defunct	Breaker received at site. May 2015
2	220/132 kV, 100 MVA Auto-II at Duburi	After inspection by repairer, date can be ascertained	Inspection completed & report awaited.

[Action: CGM (O&M)]

D5: Communication issues**(i) Installation of communication equipment by CGPs / Industries.**

The status of data communication from CGPs as deliberated is as follows

Sl. No	Name of CGP	Present status
1	M/s Sri Ganesh Metalicks Ltd.	Testing of wireless communication completed.
2	M/s IFFCO, Paradeep	Outdoor commissioning work is completed. Testing of DPLC is in progress. M/s .AREVA has been instructed for commissioning of RTU.
3	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.
4	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.
5	M/s Adhunik Metalics	PLCC & RTU installed. Database has prepared by OPTCL. Commissioning of RTU is yet to be done.
6	M/s Rohit Ferrotech	PLCC established and inspection by Telecom Engineers completed. Data base has already been prepared by OPTCL.
7	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.

It was decided that GCC may write to all the defaulting CGPs to comply their data communication system early.

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

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

Tap position data for Meramundali and Mendhasal ICTs are not available for display through SCADA.

G.M. (Telecom) stated that PCB for ICT –II has already been installed and working. PCB for ICT-I will be installed after availing of line shutdown.

Deliberations in the meeting

Sr. GM (Telecom) stated that procurement of TPC-201 for Meramundali has been initiated.

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

(iii) Availability of data at SLDC.

The data for the following elements are not available for SCADA display.

- (a) Power flow through 132 kV Paradeep- Jagatsinghpur ckt.
- (b) Power flow through 132 kV Jajpur Road- Anandpur ckt.
- (c) Machhakund generation data
- (d) JSPL (Angul) generation data.
- (e)CESU drawal from Mandhasal Stn Tfr.

In the last meeting, Sr. G.M. (Telecom) stated that, for item (a) and (b), transducers have been installed and cabling completed. Integration of Transducer with RTU shall be done shortly. Item (c) has already completed. (d) M/s JSPL has been asked to restore its generation data at SLDC, but not responding. GCC may review in the zonal meeting.

Deliberations in the meeting

Sr. G.M. (Telecom) stated that, for item (a), transducers have been installed and cable issued. Item (b) & Item (c) have already been completed. (d) M/s JSPL has been asked to restore its generation data at SLDC, but not responding. CESU drawal data reporting shall be completed by 12th June' 15.

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

(iv) 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 SSL is reporting to ERLDC, Sr. G.M (Telcom) may write to ERLDC for integration of SSL-SEZ drawal in to the SCADA.

Deliberations in the meeting

Sr. G.M. (Telecom) stated that, this issue has already been raised in the SCADA meeting of ERPC. Telecom has already written a letter to ERLDC in this regard.

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

D6: Display of dashboard data.

On receipt of feedback from Dist. Utilities, IT representatives have made a demo at SLDC in presence of all Discoms, Telecom and SLDC, wherein some modifications were suggested. However, the dashboard display is functioning satisfactorily.

Deliberations in the meeting

CESU stated that although RVDU equipments installed at ABT cell of CESU are made ready by M/s Chemtrol & BSNL leased line is also in service, the real time data is yet to be received. The status of lease line of all Discoms are as detailed.

Sl. No	Dist. Utility	Status of leased line	Remarks
1	CESU	Already connected. RVDU commissioned	Data display yet to be available
2	WESCO	Applied to BSNL for demand note	
3	NESCO	Required amount deposited with BSNL	Expected by 15 th June'15.
4	SOUTHCO	Required amount deposited with BSNL	

It was decided that representative of IT shall visit all the Discom ABT cell and take feedback. The Dashboard shall be made operative from 1st June, 2015.

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

D7: 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. The required formats are being forwarded to all the users. They are requested to forward their respective schedule in the prescribed format.

Deliberations in the meeting

IT wing of OPTCL has taken up the work. The scheduling formats shall be forwarded to all users.

[Action: CGM (IT) / SLDC]

D8: DISCOM Issues

SOUTHCO:

ABT issues

1. The data in the new format for ABT Dash Board is not functioning properly except only the current Drawl.
2. Incorporation of data of new grid sub-stations i.e. Boudh, Dabugaon, Umerkote.

Other issues

1. Low voltage problem in Malkanagiri / Buguda / Kalimela area.
2. Early construction of grid sub-station at Malkanagiri / Buguda.
3. After charging of Dabugaon Grid S/s Southco is drawing power. At present one No. of 12.5 MVA has been commissioned at Dabugaon, which is inadequate to meet the load requirement of the area. 2nd 12.5 MVA Tfr may be installed early.

Deliberations in the meeting

CGM (O&M) stated that Order has already been placed for installation of Grid S/S at Malkangiri, which will address the low Voltage problem. 2nd Transformer at Dabugaon is scheduled to be

commissioned by end of May, 2015. After finalization of the ABT dashboard display, all available data shall be made available.

[Action: CGM (O&M) /Sr. G.M (Telcom.)/ CGM (IT)]

NESCO

- 1) Display of erroneous data (i.e. previous drawl:640.33) is to be updated in site(117.239.113.12/index.php/user/dashboard) site.
- 2) The SLDC schedule allotted to NESCO Utility is no match for the schedule displayed in SLDC site. So it is to be updated w.r.t. the time.

Deliberations in the meeting

The Dashboard is scheduled to be made operational from 1st June, 2015 and all incorrect display shall be rectified.

[Action : Sr. G.M (Telcom.) / CGM (IT)]

CESU

- 1) Although RVDU equipments installed at ABT cell of CESU are made ready by both M/s Chemtrol & BSNL leased line is also in service, the real time data is yet to be received.
- 2) SLDC is not responding downward revision of drawal schedule furnished by CESU.
- 3) Erroneous drawal data displayed leads to wrong drawal forecasting of CESU.
- 4) Low Voltage at Mancheswar (27-30 kV) and Kendrapara Grid S/S (28 kV).
- 5) Hemasurpada Primary Sub-station is charged with existing 33 kV Boinda feeder which is already overloaded, resulting frequent snapping of 33 kV conductor & jumpers of Boinda feeder. Hence, it is necessary to charge the new 33/11 kV Hemasurpada feeder with 33 kV bay at 132/33 kV Grid Sub-station, Angul to give steady power supply.

Deliberations in the meeting

It was decided that IT representative shall visit all Discom ABT cell to collect feedback and rectify the problems. CGM (O&M) stated that the 33 kV Hemasurpada feeder has already been fed from Angul S/S since 22.05.2015. SLDC stated that SCADA data may not match the energy meter data. CESU should calculate the error correction factor and predict their day ahead drawal. SLDC is accepting all revisions as per provision in the Grid Code.

[Action: Sr. G.M (Telcom.) / CGM (IT) / SLDC]

PART E: OPERATIONAL PLANNING

E1: 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 June 2015.
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 June'2015.
4	Commissioning of 400 kV Duburi-Meramundali D/C line.	Work is in progress after disposal of Case. Expected by the end of June 2015.
5	Commissioning of 220 kV Bidanasi-Cuttack line	Work in progress and expected to be completed by June 2015.
6	Commissioning of 220/132 kV Cuttack S/S	Work in progress and expected to be completed by June 2015.

7	Commissioning of 132 kV Baripada (PG)-Jaleswar line	Work has already been started, which will be completed by December 2015.
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 June, 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 disput is yet to be resolved.

[Action: CGM (Construction)]

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 Banki	Charged	CESU	Yet to be connected at 33kV
2	132/33kV, 2x20 MVA Konark	June'15	CESU	Line existing
3	132/33kV, 2x31.5 MVA Samuka beach	Charged	CESU	Availing load
4	132/33kV, 2x20 MVA Khajuriakota	December'15	CESU	33 kV feeder work shall be completed by Jun'15
5	132/33kV, 2x40 MVA Sarasmal	Charged	WESCO Utility	Yet to be connected at 33kV
6	132/33kV, 2x40 MVA Kalunga	June'15	WESCO Utility	
7	220/33kV, 2x20 MVA Banei	Dec'15	WESCO Utility	
8	132/33kV, 2x12.5 MVA Dabugaon	Charged	SOUTHCO Utility	33 kV Dabugaon and Papadahandi feeder completed
9	132/33kV, 2x12.5 MVA Umerkote	Charged	SOUTHCO Utility	Availing load
10	132/33kV, 2x20 MVA Nawapara	Charged	WESCO Utility	Availing load
11	132/33kV, 2x20 MVA Padmapur	June'15	WESCO Utility	
12	132/33kV, 2x20 MVA Udala	Dec-15	NESCO Utility	Line existing
13	132/33kV, 2x20 MVA Somanathpur	June'15	NESCO Utility	33 kV feeder exists.

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.

Action: [CGM (Const.) / All Dist. Utility]

E2: Installation of Energy Metering at Hydro / Traction & Solar projects.

ABT compliance meters have been installed in all OHPC stations. Billing from those energy meters is yet to be done by Gridco.

WESCO Utility shall approach Rly. Authority for installation of required Class of CT & PT at their Bhalulata, Bamara and Chandiposi Traction points.

Deliberations in the meeting

OHPC stated that energy meters installed are showing erroneous readings in some of the OHPC stations. It was decided that OPTCL shall instruct Secure Meters to rectify the problem. SLDC suggested for providing PT supply to the energy meters from the respective feeder line PTs.

WESCO Utility have yet to approach Rly. Authority for installation of required Class of CT & PT at their Bhalulata, Bamara and Chandiposi Traction points.

[Action: Sr. GM (O&M)-II / Gridco / WESCO Utility / OHPC]

E3: Metering issue of TTPS.

Installation of feeder meters at TTPS outgoing feeders is yet to be completed.

Deliberations in the meeting

Gridco stated that a meeting has to be convened on 03.06.2015 with TTPS authority for discussion regarding removal of bottlenecks for implementation of feeder metering.

[Action: Gridco / TTPS]

E4: Shifting of 33 kV line from Balasore Grid S/S yard to facilitate separation of Tfr and Balasore Alloy bays.

In the last meeting, NESCO Utility stated that estimate for shifting of 33 kV line from Balasore Switchyard is under process. CGM (O&M) stated that NESCO Utility has to expedite the work, as it is very much delayed.

Deliberations in the meeting:

NESCO stated that the work has already been started and shall be completed by end of June 2015.

[Action: NESCO Utility]

E5: Major Events in the month of April'15:

There is no record of major events in OPTCL system during the month of April 2015. SLDC is not receiving any report of commissioning of new transmission elements.

Deliberations in the meeting.

OPTCL intimated that the following transformers have been commissioned:

1. 2nd 40 MVA, 132/33kV transformer has been commissioned at Duburi (old) on 15.04.15.
2. 40 MVA, 132/33kV transformer has been commissioned replacing the 20MVA transformer-III at Jagatsinghpur on 18.04.15.
3. 40 MVA, 132/33kV transformer has been commissioned replacing the 20MVA transformer at Barpali on 20.04.15.
4. 3rd 12.5 MVA, 132/33kV transformer has been commissioned at Boinda on 29.04.15.

SLDC stated that report of commissioning of new transmission elements in OPTCL network is not being received by SLDC. CGM (Construction) is requested to instruct field units to intimate SLDC soon after induction of new transmission element in the network.

[Action: CGM (Const)]

E6: Important Grid Incidences during the month of April'15.

Important incidents occurred during the month of April'15 were reviewed.

Deliberations in the meeting:

GM (O&M) stated that all the S/Ss have already been instructed to furnish reports after due analysis in coordination of E&MR officers.

[Action: C.G.M. (O&M)]

E7: Outage of major transmission Elements during the month of April'15. (Above 10 hrs)

Outage of major transmission elements above 10 hours during the month of April'15 was reviewed.

Deliberations in the meeting

Most of the outages are due to insulator damage and impact due to theft of conductor from the antitheft charged lines.

[Action: C.G.M. (O&M)]

E8: Review of Outage Program of State Generators / Transmission elements for the month of June'15:

Tentative Outage programme for State Generators for the month of **June'15** are as follows:

Sl.	Station	Unit	Period	Remarks
1	Burla	# 1	18.04.15 to 31.07.15	Capital Maintenance Programming for R, M & U
		# 6	17.02.14 to continue	
2	Chiplima	# 1	15.05.15 to 31.05.15	Annual Maintenance Programming for R & M
		#3	15.02.14 to continue	
3	Balimela	# 1	31.01.13 to continue	Programming for R & M Annual Maintenance Annual Maintenance
		#4	15.04.15 to 18.05.15	
		#8	19.05.15 to 12.06.15	
4	Upper Kolab	# 1	01.06.15 to 30.11.15	Capital Maintenance Stator earth fault
		# 3	25.04.15 to 26.05.15	
5	Upper Indravati	# 2	24.04.15 to 15.05.15	Annual Maintenance

Deliberations in the meeting

The outage program was approved in the meeting

[Action : OHPC / SLDC / Gridco]

E9: Generation Program for the month of June'15.

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

Name of Hydro Gen. Station	Generation Program (MW)		Reservoir Level as on 01.05.14	Reservoir Level as on 01.05.15	MDDL	High Flood Reservoir Level
	June'15 (1 st fortnight)	June'15 (2 nd fortnight)				
HPS, Burla	40+30	40+30	612.33ft	608.83ft	590 ft.	630 ft.
Balimela	210	210	1491.70ft	1489.70ft	1440 ft.	1516 ft.
Rengali	150	120	118.42mt	119.47mt	109.72mt	123.5 mtr.
U.Kolab	30	60	851.34mt	852.66mt	844 mtr	858 mtr.
U.Indravati	240	240	633.83mt	634.62mt	625mtr	642 mtr
MKD (O/D)	30	30	2730.30ft	2721.10ft	2685 ft.	2750 ft.
TOTAL	730	730				

PART F: OTHER ISSUES

F1. Date and Venue of the next (87th) PSOC meeting:

The date and venue of 87th PSOC meeting shall be intimated to all the Members.

86th Power System Operational Co-ordination Review Meeting
[At 11:00 A.M. on 23.05.2015]
[At Power Training Center, OPTCL, Chandaka, Bhubaneswar]

Sl. No.	Name	Designation	Organisation	Mobile No.	E-mail Address	Signature
1	A.K. Mishra	Director	OHPC	9437170806		
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36	Sankar Kumar Saha	AGM (SUX)	OPTCL	9438907232	sk.saha@optcl.co.in	
37	D.K. Mangaraj	D.G.M (SUX)	RSP	8895501470	dillip.mangaraj@rsp.co.in	
38	S.K. DAS	Consultant	SLDC/OPTCL	9437000261	S.Sankaradas@slcdc.co.in	
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40	U.K. Sahoo	G.M (SUX)	SLDC/OPTCL	9438907403		