



STATE LOAD DESPATCH CENTRE
OFFICE OF THE Sr. GENERAL MANAGER (POWER SYSTEM)
ODISHA POWER TRANSMISSION CORPORATION LIMITED
GRIDCO Colony, P.O.- Mancheswar Rly. Colony, Bhubaneswar-17, FAX-0674- 2748509
CIN – U40102OR2004SGC007553

No-SGM (PS)-PL-35/2010 / 2755 (90)

Dated: 13.10.2014

From:

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

To:

As per distribution list

Sub: Minutes of 78th Power System Operational Co-ordination meeting held on 29.09.2014 at PTC, Chandaka .

Sir,

Please find enclosed herewith the minutes of 78th Power System Operational Co-ordination meeting held on 29.09.2014 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 Member Secy., (GCC), OPTCL, Bhubaneswar
14. The C.E.O., CESU, Bhubaneswar
15. The M.D., WESCO, Burla
16. The M.D., NESCO, Balasore
17. The MD., SOUTHCO, Berhampur
18. The G.M. (Telecom), OPTCL, Bhubaneswar
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 78th PSOC meeting held on 29.09.2014 at PTC, Chandaka

List of participants is at Annexure-A.

Sr. G.M (Power System) welcomed all the participants to the 78th Power System Operational Coordination meeting and highlighted the system performance during the month of August'14 and overall power scenario of the State. He also emphasized on the over drawl by all the Discoms during the month.

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

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

The review proceeded as follows:

PART A: CONFIRMATION OF MINUTES

A.1: Confirmation of minutes of 77th PSOC meeting held on 28.08.2014

The minutes was circulated vide letter No. SGM (PS)-PI-35/2010/2560⁽²⁸⁾, dated 15.09.2014 to all the members and also uploaded in the SLDC website. No comment has been received from any of the members.

Members may confirm the minutes.

Deliberation in the meeting

Minutes of 77th PSOC meeting was confirmed since no comments were received.

PART B : SYSTEM PERFORMANCE

B1: Review of Grid Performance for the month of August'14.

(A) Frequency

It was noticed that, during the month, **49.19%** of times the frequency remained in the IEGC band i.e 49.90Hz–50.05Hz in comparison to **49.94%** during the month of July'14. The maximum and minimum System frequency during the month of August'14 was 51.58 Hz & 49.37 Hz respectively.

(B) Grid demand

Grid demand for the month of **August'14** was reviewed. The energy consumption during the month was **2162 MU**. The maximum System demand of **3551 MW** occurred on 29.08.2014 at **21:00 Hrs** and minimum demand of **2146 MW** occurred on **05.08.2014** at **03:00 Hrs**.

Deliberation in the meeting

It is observed that energy consumption during the month of **August' 14** was increased by **23 MU**, while the peak demand during the month has been reduced by **93 MW** from that of **July'14**. The energy consumption during the month has been increased by **59 MU** in comparison to **July'13**. The reduction of peak demand was due to demand restriction during peak hours.

(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 **August'14** was reviewed. It is noticed that **Jayanagar** 220 kV bus had experienced a maximum voltage of **247 kV** and minimum Voltage of **200 kV** was experienced at **Paradeep** 220 kV bus.

Deliberation in the meeting

Sr. G.M (PS) stated that even after lowering tap position of Jeypore ICT by Powergrid, Voltage profile of Jayanagar is remaining high. This issue has been discussed in the 101st OCC meeting of ERPC. As per the deliberation in the said meeting, ERLDC shall conduct a system study for lowering the tap of Jeypore ICT further. It is also proposed to enhance the reactor capacity at Jeypore PG. The accuracy of Voltmeter at Jeypore needs to be compared with that of the Audit meters Voltage profile.

[Action: SLDC]

(D) Energy Generation / import during the month of August'14

Energy generation and exchange during the month of August'14 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 2161.72 MU.

(E) Drawal of Machhakund Power

The energy drawal during the month was 32.184 MU against total generation of **65.225** MU (AP drawal was 29.830MU)

Deliberation in the meeting

Sr. G.M (PS) stated that the state has drawn its full share from Machhakund during the month of August. However, Southco has to construct new 33 kV lines such as connecting Pudamari with Mohana S/S to optimize Machhakund drawal. Southco stated that they are planning for diversion of Bisamcuttack load from Theruvali to Akhusing S/S, so that about 8-10 MW load can be added at Machhakund system. Sr. G.M (O&M), Narendrapur stated that Jayanagar load can be put in Machhakund system by making another loop through isolator arrangement at Jayanagar S/S. It was decided that SLDC shall convene a meeting at Jayanagar to examine the ground realities for optimization of Machhakund drawal.

[Action:-SLDC/CGM (O&M)/ SOUTHCO]

(F) DISCOM Drawal during the month of August'14

The schedule and actual energy drawal by Discoms for the month of **August'14** was reviewed.

Deliberation in the meeting

It was noticed that all the Discoms except Southco were complied their respective drawal schedule during the month. Southco had overdrawn 10 MU during the month. Sr. G.M (PS) stated that during the month of September, all the Discoms are over drawing in spite of repeated instructions by SLDC to adhere to the schedule.

[Action: All Discoms]

PART C – issues raised in the 101st OCC meeting of ERPC

Item no. B.3: Agenda by Powergrid, Odisha

- (1) **Maintenance of OPTCL Bays at Indravati S/S of POWERGRID:** POWERGRID is attending to Routine & Emergency maintenances of OPTCL Bays located in Indravati s/s, in the overall interest of the system. The old Circuit Breakers (M/s BHEL make) need major overhauling urgently. OPTCL may be advised to take up the overhauling work and also to enter into formal agreement for Maintenance of the Bays by POWERGRID, as already communicated to M/s OPTCL.
- (2) The 2 nos. of 315 MVA ICT's at Jeypore s/s are getting loaded up to 200 MW each many times. In such a scenario, tripping of any one ICT will lead to tripping of second ICT also. The ICT-I has already completed 25 years and its performance also getting deteriorated. Hence, it is proposed to approve for 3rd ICT, in view of contingency & reliability.
- (3) Subsequent to formation of LILO of following two Transmission lines with Non-Switchable Line Reactors Resonance was observed due to over compensation and hence, the Line reactors may be converted to Switchable Line Reactors, by adding Circuit Breakers & associated equipment:
 - Rourkela-Raipur Ckr.-I - LILOed at Raigarh & then at Sundargarh s/s become 145 Km with 63 MVAR Reactor.
 - Rengali-Kolaghat - LILOed at Baripada & then at Kenjher s/s become 100 Kms with 63 MVAR.

Deliberation in the meeting

CGM (O&M) stated that

- (1) POWERGRID may produce the document in support of their claim such as the 400 kV Indravati-Indravati(PG) line and the Bay belongs to OPTCL. The documents claiming the ownership of one of the ICT at Indravati may also be produced by POWERGRID. OHPC was also requested to produce the required documents, if available with them. ERPC may be intimated accordingly in the next OCC meeting.

[Action: OHPC/ SLDC]

- (2) POWERGRID may be requested to submit the test results of ICT-I basing on which they propose to install 3rd ICT at Jeypore. Gridco, as the beneficiary may communicate their views to OCC in this regard.
- (3) The study results may be communicated by POWERGRID for views of the constituents.

CGM (O&M) stated that POWERGRID may be invited to the PSOC meeting for discussion of various issues relating to them.

[Action: Gridco / OPTCL/ SLDC]

Item no.B.11.7. 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 was envisaged to be established by OPTCL:

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

Deliberation in the meeting

The status of Lines as stated by CGM (O&M) are as follows

- (i) LILO of OPTCL's Burla-Bolangir line at Bolangir (PG)- Work is in progress and likely to be completed by March 2015.
- (ii) Bolangir(PG) –Kesinga S/C line.- Tender opened. Completion schedule is December 2015.

Item no. B.12: High voltage problem at 400kV Jeypore OPTCL Substation—OPTCL

In 99th OCC, Powergrid reported that ICT tap position at 400kV Jeypore S/s has been changed from 16 to 14 as per the decision of OCC. ERLDC informed that voltage profile has improved (around 3-4 kV in 220 kV side) after changing the ICT tap position. It was also informed that voltage profile will further improve after the installation of 125 MVAR bus reactor at Jeypore (PG).

Subsequently, OPTCL vide dated 4th August, 2014 informed that the high voltage problem is still persisting at Jeypore (PG) and requested for further lowering the tap position to resolve the issue.

In 100th OCC, ERLDC informed that they are doing study for further lowering the ICT Tap Position. On enquiry, Powergrid informed that there was some space issues for installation of 125 MVAR reactor at Jeypore S/s, but the same was resolved and it will be installed as soon as it reaches the site.

Members may note.

Item no. B.13: Status of “Third Party Protection Audit”

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

CERC in their order dated 21.02.2014, passed in case No. 220/MP/2012, in the matter of implementation of third party audit report on protection scheme of transmission system, at Para 28(f) has directed as under:

28(f) Accordingly we direct CTU, STUs and Generating Companies / Stations of all the regions to ensure rectification of defects in the protection system as pointed out in the protection audit within the time frame specified in paragraph 27 herein and submit the latest status of corrective action to Member Secretary of respective Regional Power Committee within one month of issue of this order. All RPCs are directed to furnish consolidated report with their observations / recommendations to the Commission within 2 months of issue of this order. Thereafter, CTU and SLDCs shall submit quarterly report to the respective RPC latest by 15th day of the first month of next quarter and RPCs shall submit the report to the Commission latest by 15th day of the second month of next quarter.

The above matter has also been discussed in the 28th TCC meeting of ERPC held on 12th September at Goa.

The status of compliance / action plan on different observations made in the Audit report in respect of OPTCL / OHPC / OPGC system till the quarter ending July-September'14 may be forwarded to SLDC.

Deliberation in the meeting

CGM (O&M) stated that OPTCL has forwarded the compliance report to ERPC. However OPTCL and OHPC agreed to forward a copy of the compliance report to SLDC. Views of OPGC could not be recorded as; OPGC representative was not present in the meeting.

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

PART-D – Operational Issues

D1: Non-compliance of drawal schedule by DISCOMs

It is noticed that all the Discoms were overdrawing most of the times in spite of repeated instructions issued by SLDC. As per the direction of OERC, a meeting was conducted on dated 18.08.2014 at PTC, Chandaka to resolve such issues. The record note of meeting has been forwarded to all the Discoms for information & necessary action vide this office letter No. 2626⁽¹²⁾ dated 27.09.14

Deliberations in the meeting

Discoms stated that they are unable to control their drawal due to non availability of adequate infrastructures with them. G.M (WESCO) stated that RSP is over drawing beyond their contract causing over drawal of WESCO. RSP stated that, RSP is over drawing only in case of forced outage of their unit. All planned outage is being intimated to WESOO, well in advance. WESCO can prepare their schedule considering their drawal. Sr. GM (PS) stated that the Discoms may control their drawal, in co-ordination with Grid S/Ss through their local officers. As per the **record note of discussion** held on 28.08.2014 between all Discoms, Gridco and SLDC:

- 1. All the Discoms shall forward their realistic drawal schedule to SLDC on day-ahead basis basing on the entitlement sent by SLDC to Discoms.*
- 2. SLDC shall approve the drawal schedule considering the availability of State resources and ISGS implemented schedule.*
- 3. SLDC shall revise the entitlement in case of change of generation scenario and the Discoms shall forward their revised drawal schedule accordingly on real time basis.*
- 4. The Discoms shall strictly adhere to their drawal schedule irrespective of frequency and shall not involve in gaming through ABT.*
- 5. In case any Discom fails to comply with the drawal schedule, SLDC may take suitable steps to bring its drawal to the approved schedule to avoid overdrawal from the grid, which is strictly being restricted by ERLDC.*
xxxxxxxxxxxxxxxxxxxxxxxxxxxx
- 9. The above decisions shall be followed with immediate effect.*

Accordingly, SLDC shall take necessary steps in case the Discoms fail to comply with their respective drawal schedule on real time basis.

CGM (O&M) stated that all the Grid S/Ss have been instructed to co-operate the Discom of the area for demand management. However, the local officers of Discom should not skip their responsibility; rather they should be present in the Grid S/S.

[Action: All DISCOMs/ SLDC]

D2: Non-compliance of directions of SLDC by OHPC station.

It is noticed that Balimela HEP is not complying the directions of SLDC for backing down of generation very often. Such action at times leads to under drawal of ISGS share at high frequency conditions by paying deviation charges and also other operational constraints.

The Shift Engineers of Upper Indravati HEP are also expressing reluctance for compliance of SLDC direction with a plea for seeking consent from their Unit Head.

Unit-3 at Burla HEP is under prolonged shutdown. To facilitate problem rectification of the said unit, OHPC is taking shutdown of adjacent units, i.e. #2 & #4 regularly even under spilling condition.

It is suggested that unit Heads of all OHPC stations shall attend the monthly PSOC meeting to participate in the discussion & better interaction for smooth operation of the system.

Deliberations in the meeting

Director (Operation), OHPC stated that SLDC is frequently asking to increase / decrease generation resulting running the units with low generation. SLDC stated that OHPC stations such as Upper Kolab and Balimela are not able to synchronize their units and takes considerable time with a plea of manpower shortage, causing operational problem. OHPC agreed not to take shutdown of #2 & #4 of Burla HEP simultaneously further.

[Action: OHPC / SLDC]

D3: 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

Deliberations in the meeting

G.M (telecom) stated that tender for the work will be evaluated shortly.

[Action: GM (Telcom)]

D4: Prolonged outage of transmission elements

In the last PSOC meeting, CGM (O&M) stated that 220kV Meramundali-Kaniha ckt.-I, under prolonged shutdown shall be brought into service after replacement of CT at Meramundali.

Deliberations in the meeting

Sr. G.M (O&M), Meramundali stated that the ckt shall be brought in to service by 10th October' 14.

[Action: Sr. G.M. (O&M), Meramundali / SLDC]

D5: Communication issues

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

The status of data communication from CGPs as follows

Sl. No	Name of CGP	Present status
1	M/s FACOR Power Ltd.	Already integrated
2	M/s Sri Ganesh Metalicks Ltd.	PLCC / SCADA not established. Only RTU installed.
3	M/s Shalivahan Green Energy Ltd.	Penalty is imposed by OERC.
4	M/s IFFCO, Paradeep	Equipment received. Commissioning by OPTCL shall be taken up as deposit work.
5	M/s MSP Mettalicks	PLCC / RTU installed and will be integrated.
6	M/s Narbheram	BOQ issued on 06.07.12. At present the CGP is connected through 33 kV line.
7	M/s NINL, Duburi	Yet to be established. Matter has been intimated to GCC.
8	M/s Balasore Alloys	Procurement action for PLCC / SCADA is under process.
9	M/s Adhunik Metalics	PLCC established. Data communication disrupted due to LILO by Shree Ganesh.
10	M/s Rohit Ferrotech	PLCC established. Data communication not established.
11	M/s NALCO	Expected to be integrated by 7 th October 2014.
12	M/s VAL, Jharsuguda	Status point not available as intimated by ERLDC. As reported by VAL, they will take three months to comply.

In the last meeting, it was decided that GCC shall convene a meeting with all the defaulting CGP for their views in this regard and shall intimate to OERC for necessary action as directed by CERC in their order dated 19.12.2013 in Petition No. 56/SM/2013. Representative of GCC was not present in the meeting for deliberation.

[Action: GCC / G.M. (Telcom)]

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

Tap position data for Mendhasal ICTs are not available for display through SCADA. ERLDC raised this issue in 101st OCC meeting of ERPC held on 26.09.2014.

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

Deliberations in the meeting

CGM (O&M) stated that G.M (Telcom) co-ordinate with M/s AREVA, who has taken up the work.

D6: DISCOM Issues.

(1) SOUTHCO:

Issues raised by SOUTHCO and response of OPTCL are as tabled.

Sl No	Issues	Deliberations
1	Power supply to HAL, Sunabeda through Jayanagar-NALCO-Sunabeda ckt	Action already taken for strengthening the line.
2	Up gradation of Purusottampur (Taratarini) S/S to feed Hinjilicatu as alternate source.	Part load of Hinjilicatu area can be diverted to Purusottampur S/S with present capacity.
3	Replacement of 12.5 MVA Tfr. At Jayanagar S/S	By end of November 2014
4	Providing all S/S drawal data in the Dash board.	Present format has been approved by OERC. After integration of all S/Ss by M/s Chemtrol, all Discoms may forward their revised format to GCC. GCC shall forward the same to OERC for approval. Since real time data is being displayed in the ABT Dashboard, Dumb terminal is no longer required.
5	Automatic revision of Southco drawal schedule by SLDC.	SLDC is revising the schedule on real time basis considering the generation availability. Southco has to comply with the schedule.
5	Providing weekly dump data to Southco.	Presently weekly data is not being downloaded by SLDC. However, after completion of AMR, the data shall be made available.
6	Permission for installation of 33 kV feeder meters at Grid S/Ss	Southco may install such meters in coordination with the respective GM, EHT (O&M) Circles.

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

(2) NESCO:

Issues raised by NESCO and deliberations of OPTCL are as tabled.

Sl No	Issues	Deliberations
1	Displaying of deviation charges in the ABT dashboard	NESCO may submit the proposal before the GCC for approval of dashboard format by the Commission.
2	Display of open access drawal in ABT dashboard	Open access schedule may be treated as drawal.
3	Up-gradation of Duburi, Basta, Barbil, Karanjia & Anandpur sub-station	40 MVA Tfr. For Duburi has already been despatched. Basta S/S shall be upgraded after completion of 132 kV Jaleswar-Basta line.
4	Overloading of 132kV Joda-Polasponga circuit	
5	Completion of Somnathpur & Udala sub-station.	October'2014 & March' 2015 respectively.

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

(3)CESU

CESU has raised issues like

- (i) Construction of new S/Ss
- (ii) Additional bay extension at Chandaka, Ransingpur, Mancheswar, Cuttack, Bidanasi and Paradeep S/Ss.
- (iii) Connectivity of 132/33 kV S/S Balia with Kendrapada S/S for un-interrupted power supply to Salipur S/S
- (iv) Providing drawal schedule by EHT consumers
- (v) Frequent interruption of dashboard data.
- (vi) Extension of existing SCADA system of OPTCL to CESU.

Deliberations in the meeting.

- (i) Construction status of new S/Ss has been deliberated at item no.E1.
- (ii) CESU may propose the bay extension issues at different S/Ss and connectivity of Kendrapada with Balia Grid to CGM (O&M) separately.
- (iv) CESU may take necessary action for non compliance of directions by EHT consumers as per the provisions.
- (v) CESU may inform the nodal officer, already identified, after noticing the interruption of dashboard data.
- (vi) CESU may co-ordinate with M/s Chemtrol, engaged for establishment of OPTCL SCADA system for providing SCADA in CESU control area. G.M (Telcom) was requested to provide the required information to CESU.

[Action: CESU]

PART E: OPERATIONAL PLANNING

E1: Commissioning status of New Transmission elements.

As deliberated in the last meeting the status of commissioning of new transmission elements is as follows:

Sl. No	Details of transmission element	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 for which work order / PO issued. (October-2015)
3	Commissioning of 400 kV Ib-Meramundali D/C line.	400kV Lapanga-Meramundali line to be charged by August 2014. 400kV Ib-Lapanga line is expected to be commissioned by December'14.
4	Commissioning of 400 kV Duburi-Meramundali D/C line.	Matter is in the court
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 2015.
9	Connectivity to Keonjhar PG	Proposal to connect by LILO of 220 kV Joda-TTPS through Nayagarh 220 kV (ESSAR) S/S. Expected to be completed by June 2015.
10	Commissioning of Bolangir New-Bolangir(PG) line	220 kV Burla - Bolangir D/C line will be made LILO at Bolangir (PG).
11	LILO of 220 kV Burla - Bolangir line at Bolangir(PG)	Work awarded. Expected to be completed by Nov, 2014
12	220 kV Bolangir (PG) –Kesinga S/C line through LILO of 220 kV Bolangir- Kesinga line.	220kV Bolangir – Kesinga D/C line is under construction. It is proposed to connect Bolangir (PG) through LILO arrangement on completion of the line. (December-2014)

All Discoms were requested to intimate their action plan for development of 33 kV infrastructures 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
1	132/33kV Banki sub-station	Oct-14	CESU
2	132/33kV Konark sub-station	Mar-15	CESU
3	132/33kV Samuka beach sub-station	Mar-15	CESU
4	132/33kV Khajuriakota sub-station	Dec-14	CESU
5	132/33kV Sarasmal sub-station	Oct-14	WESCO
6	132/33kV Kalunga sub-station	Oct-14	WESCO
7	220/33kV Banei sub-station	Dec-14	WESCO
8	132/33kV Boud sub-station	Oct-14	SOUTHCO
9	132/33kV Dabugaon sub-station	Dec-14	SOUTHCO
10	132/33kV Umerkote sub-station	Mar-15	SOUTHCO
11	132/33kV Nawapara sub-station	Sept-14	WESCO
12	132/33kV Padmapur sub-station	Dec-14	WESCO
13	132/33kV Udala sub-station	Mar-15	NESCO
14	132/33kV Somanathpur sub-station	Oct-14	NESCO

Southco stated that 33 kV Boudh and Purunapatna feeder for power drawal from Boudh S/S, 33 kV Dabugaon and Jharigaon feeder for drawal from Dabugaon S/S and 33 kV Dabugaon feeder for Umerkote S/S work are in progress. WESCO stated that 33 kV takeoff line from Nawapara is under progress.

All DISCOMS may note.

E2: Metering issues.

Installation of energy meters already released by CGM (O&M) for Hydro Stations, traction sub-stations, REHPL (solar) and feeders emanating from Burla power house. In the last meeting CGM (O&M) stated that installation of meters already started by Secure Meters.

Deliberations in the meeting.

CGM (O&M) stated that installation of meters already started by Secure Meters.

E3: Metering issue of TTPS.

In the last meeting CGM (O&M) stated that meters will be sent to STL for testing. Those meters shall be installed in all feeders emanating from TTPS Switch Yard.

Deliberations in the meeting.

Sr.GM (O&M), Meramundali stated that the meters released for TTPS feeders have already been handed over to STL for testing. Some of the meters have been tested. TTPS may witness the testing.

E4: Major Events in the month of August'14.

No report of major events in OPTCL system received during the month of August14.

E5: Under Frequency Relay operation in OPTCL System during the month of August'14.

There is no UF Relay operation occurred during the month of August'14.

E6: Important Grid Incidences during the month of August'14

Important grid incidents occurred during the month were reviewed

Deliberations in the meeting.

It was decided that Protection Coordination Sub-Committee meeting shall be convened every month for analysis of major incidents, before deliberating to ERPC.

E7: Outage of major transmission Lines / Elements during the month of August'14 (above 10 hrs).

Sl No	Transmission lines	Tripping Dt/time	Restoration Dt/time	Reason
1	220 kV Budhipadar-Katapalli Ckt-I	05.08.14 00:15	06.08.14 12:11	Breaker problem at Katapalli end.
2	132 kV Narendrapur-Chhatrapur Ckt-II	05.08.14 16:02	06.08.14 06:51	'B' ph LA burst at Narendrapur S/S.
3	220 kV Narendrapur-Mendhasal Ckt-I	10.08.14 15:45	11.08.14 10:03	'Y' ph insulator damaged at Loc. No-501.

Most of the incidents are due to insulator failure and LA failure snapping.

E8: Review of Outage Program of State Generators / Transmission elements for the month of September'14 & October'14:

Tentative Outage programme for State Generators for the month of **August & September'14** are as follows:

Sl.	Station	Unit	Period	Remarks
1	Burla	# 3 # 6	19.03.14 to 10.10.14 17.02.14 to 30.11.14	Guide vane problem Shaft seal heavy leakage (Programming for R, M & U)
2	Chiplima	#3	15.02.14 to 30.11.14	TGB Problem (Programming for R, M & U)
3	Balimela	# 1 # 3	31.01.13 to 31.10.14 01.10.14 to 31.10.14	Thrust bearing problem Annual Maintenance
4	Upper Kolab	# 3	16.10.14 to 05.11.14	Annual Maintenance

E9: Generation Program for the month of October'14.

Generation schedule for the month of October' 14 furnished by OHPC are given below.

Name of Hydro Gen. Station	Generation Programme (MW)		Reservoir Level as on 01.09.14	Reservoir Level as on 27.09.14	MDDL	High Flood Reservoir Level
	September' 14	October' 14				
HPS, Burla	150+40	150+40	621.85ft	629.87ft	590 ft.	630 ft.
Balimela	200	230	1494.10ft	1504.10ft	1440 ft.	1516 ft.
Rengali	230	240	120.67mt	120.94mt	109.72mtr	123.5 mtr.
U.Kolab	80	100	854.06mt	855.48mt	844 mtr	858 mtr.
U.Indravati	500	600	640.62mt	641.82mt	625mtr	642 mtr
MKD	30	30	2733.40ft	2742.10ft	2685 ft.	2750 ft.
TOTAL	1230	1390				

E10: Issues raised by Ib TPS

Ib TPS has raised issues for commissioning of Bus-bar protection at Budhipadar sub-station.

Deliberations in the meeting

CGM (O&M) stated that laying of cable is completed. Bus bar protection panel will be commissioned by end of October'2014.

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

E11: Providing protection system in terms of IEGC & CEA Regulations:

CERC, vide RoP of hearing on 05.06.2014 in Petition No.-59/MP/2014 filed by ERLDC directed OPTCL to submit a compliance report of earlier audit carried out by ERPC, on affidavit, by 18.07.2014. Further, CERC directed to engage an independent third party preferably CPRI to undertake afresh a complete audit of OPTCL transmission system as per check list specified by report of task force on power system analysis under contingency, which is available on CEA website and submit a report within three months of issue of the RoP.

Deliberations in the meeting

CGM (O&M) stated that the reply has been filed before the CERC. SLDC stated that a copy of the reply may be marked to the Petitioner and all Respondents also. Sr. G.M. (PS) stated that OPTCL may request CERC to re-examine the direction for engagement of CPRI as an independent third party for conducting protection audit, when OPTCL is taking action for compliance of the issues pointed out by the protection audit team constituted by ERPC.

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

PART F: OTHER ISSUES

F1: TTPS ISSUES

G.M, SLDC stated that

- (1) TTPS is not forwarding their day ahead generation schedule and subsequent revisions through mail at times rather they are submitting through FAX.
- (2) TTPS is not furnishing the detail report of incident in respect of their units and feeders.

Deliberations in the meeting

Sr.GM (PS) stated that due to non-receipt of detail report from TTPS, the disturbance occurred on 12th July could not be analyzed correctly. TTPS has agreed to furnish the detail report of incident in future. It was decided that the day ahead generation schedule and all revisions shall be furnished by TTPS through the email already intimated by SLDC. SLDC shall acknowledge such mail and forward to TTPS. **Revision of schedule received through FAX only shall not be considered for revision. All schedule and monthly Energy Accounting for TTPS shall be uploaded in SLDC website.**

[Action: TTPS / SLDC]

F2 Construction of 220 kV, Tarkera-RSP 2nd DC line.

RSP stated that they are proposing construction of 2nd 220 kV DC line from Tarkera to RSP.

Deliberations in the meeting

It was decided that RSP may forward the proposal to CGM (O&M) for necessary action

[Action: RSP]

F3: Date and Venue of the next (79th) PSOC meeting:

Date and venue of 79th PSOC meeting shall be intimated to all the members.

78th Power System Operational Co-ordination Review Meeting
 [At 11:00 A.M. on 29.09.2014]
 [At Power Training Center, OPTCL, Chandaka, Bhubaneswar]

Sl. No.	Name	Designation	Organisation	Mobile No.	E-mail Address	Signature
1	P. C. Tripathy	CGM(O&M)	OPTCL	9438907014	cgm.omm@optcl.co.in	
2	A.K. Mishra	DD(O)	OHPC	9437170806		
3	M.R. Mohanty	Sr.G.M(PS)	SLDC	9438907310	mmohanty113@sldc.co.in	
4	M.R. Choudhury	Sr.GM(O&M)	OPTCL	9438907820		
5	B.K. Saroo	Sr.G.M(O&M)	OPTCL	9438907919	sgm.omm@optcl.co.in	
6	R.K. Sharma	DGM	JSL	9938250074	rksharma@jrad.indiateel.co.in	
7	D.K. Mangaraj	DGM, B	RSP	8895501470	dileep.mangaraj@rsp.co.in	
8	B.N. Nayak	Dy.Mgr(EI)	OHPC	9437733014	nayakchbna@gmail.com	
9	A.K. Mohanty	Manager	OHPC	9437657977	akmoh@ohpc.co.in	
10	D.N. Patra	Manager	OHPC	9778100422	dnpatra-ohpc@gmail.com	
11	S. Panda	AGM(EI)	GRIDCO	9438907579	ele.panda@gridco.co.in	
12	Manas Kumar Das	AVP(PT)	NEESCO, NEEL + W&E, NER&A, S&T&A	9338707460	manas.das@necadmission.com	MKD
13	T. Jayadev	ES&CC	Southco	9556147788	Jayadev.jayadev@southco.co.in	
14	Pravat Ranjan Jena	AGM	TTPS/NTR	9437964960	pravatrjenal@ntpc.co.in	
15	S.K. MISHRA	DGM	NTPC/NSP	9438233207	skmishra@ntpc.co.in	
16	S. Mishra	AGM(CE)	NALCO-CRP	9437064178	satyabadi@nalco.co.in	
17	A. Nayak	Gm(EI)	OPTCL	9438907801	ele.nayak@optcl.co.in	
18	Sarmistha Mallick	AM(IT)	OPTCL	9438907254	it.smalle@optcl.co.in	
19	Manoj Kumar Behera	Mgr(EI)	OPTCL	9438907244	it.m.k.behera@optcl.co.in	
20	SANJAYA KUMAR MISHRA	Manager	SLDC	9233579640	sanjayak@sldc.co.in	
21	Madhusudan Sahoo	AGM (elec)	GRIDCO	9692427876		M.S.Sahoo
22	Ratiparna Marudh	Dir(CE&I)	GRIDCO	9437115470	ele.rmarudh@gridco.co.in	
23	S.K. Das	DGM (E&I)	SLDC, OPTCL	9438907025	ele.sankar@sldc.co.in	
24	H.K. Samantary	Gm(CE)	Telem.	9438907720	tele.ele.hksamantary@optcl.co.in	
25	P.L. Gauda	DM (TE)	Telem.	9438907470	tel.p.l.gauda@sldc.co.in	
26	S.K. Sahoo	S.GM(CE)	CE&I	9438104500		L.S.
27	P.K. Padhy	Gm(AS)	CE&I	9438676810		
28	A.K. Samantary	DGM (elec)	GRIDCO	9861064567		
29	S.P. Mallik	Gm(O&M)	NEESCO	9438906006	surendra.mallik@necadmission.com	
30	J.B. Munbar	Gm(CE)	W&E	943758135		
31	U.N. Mishra	C.G. (E&I)	GRIDCO	9438907774	sgm@gridco.co.in	
32	SOVEN ROY	Manager	SLDC	9438907565	soven_roy@yahoo.com	
33	Yamantha Sahoo	Gm(GO)	SLDC	9438907403	ymal@sldc.co.in	
34	P.K. Nishan	Gm(ES)	SLDC	9438907402	pkn@sldc.co.in	
35	P.K. Das	DGM(AS)	SLDC	9438907408	pratik.das@sldc.co.in	
36	S.K. Das	TEC. Coord.	SLDC	9437000201	S.K.Das@sldc.co.in	
37	Archana Saha	Dy. Mgr	SLDC	9437389451	archana_saha@sldc.co.in	

