

Odisha Power Transmission Corporation Ltd.
Bhubaneswar.



Agenda
for
86th Power System Operational Coordination Meeting

Date: 23.05.2015
Venue: PTC, Chandaka

Odisha Power Transmission Corporation Ltd. Bhubaneswar.

Agenda for 86th PSOC Meeting to be held on 23.05.2015 at PTC, Chandaka

A1: Confirmation of the minutes of the 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.

Members may offer their comments. If there is no comment, the minutes of the meeting may please be confirmed.

PART B: GRID PERFORMANCE

B1: Review of Grid Performance for the month of March'15 & April'15.

(A) Frequency:

Hourly frequency variation for the month of March'15 & April'15.

Month	% of time frequency remained					
	<49.00	49.00-49.70	49.70-49.90	49.90-50.05	>50.05	49.70-50.05
Mar'15	0.00	0.37	14.04	57.20	28.39	71.24
Apr'15	0.00	0.37	11.74	56.89	31.02	68.62

Maximum & Minimum frequency during the month of February'15 & March'15.

Month	Freq (Hz)	Date	Time
Mar'15	Maximum – 50.47	01.03.15	03:30 Hrs
	Minimum – 49.58	03.03.15	19:00 Hrs
Apr'15	Maximum – 50.31	28.04.15	06:15: Hrs
	Minimum – 49.67	20.04.15	20:00 Hrs

(B) Grid Demand for the month of March'15 & April'15.

Month	Demand	Maximum Consumption		Maximum Demand			Minimum Demand		
	MU	MU	Date	MW	Date	Time	MW	Date	Time
Mar'15	2203	79.38	25.03.15	3981	25.03.15	21:00	2219	06.03.15	15:00
Apr'15	2158	78.46	20.04.15	3851	10.04.15	21:00	1736	28.04.15	20:00
Apr'14*	2246	78.31	30.04.14	3825	30.04.14	21:00	2428	20.04.14	18:00

Members may please discuss.

(C) Voltage Profile of 220 kV Buses in OPTCL system for the month of April'15

Sl. No	S/s Name	Maximum			Minimum		
		kV	Day	Time	kV	Day	Time
1	Jayanagar	245.37	24	05:45	214.42	12	09:45
2	Theruvalli	240.69	26	00:45	200.28	07	20:00
3	Bhanjanagar	250.04	12	12:00	186.02	07	20:00
4	Chandaka	237.23	2	14:45	179.08	07	20:15
5	Narendrapur	233.30	28	20:00	180.01	07	20:00
6	Joda	244.61	30	03:15	222.92	03	21:15
7	Tarkera	231.40	7	22:00	221.12	18	19:15
8	Bhadrak	241.09	28	17:45	200.05	18	19:30
9	Paradeep	239.19	28	19:00	194.97	9	20:45
10	Budhipadar	234.11	9	04:30	220.71	7	05:30
11	Duburi	238.72	28	19:00	207.09	9	20:45
12	Balasore	241.96	28	18:00	209.57	3	21:15
13	Meramundali	229.32	28	19:00	202.82	9	20:45
14	Bidanasi	234.28	28	18:45	211.48	29	19:00
15	Katapalli	238.84	8	23:15	214.13	6	20:15
16	Nayagarh	235.32	12	12:00	184.98	7	20:00
17	Mendhasal	238.79	2	14:45	203.51	17	12:00
18	Bolangir	246.58	28	17:45	201.84	4	20:00
19	Barkote	238.09	29	07:00	224.87	15	05:15

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.

Members may discuss.

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

Source of Power	Energy (MU)
Thermal (TTPS+IB)	547.90
OHPC Stations including Machhkund share	379.23
IPP & CGP Support	615.62
ISGS drawal	614.89
TOTAL	2157.64

(E) Drawal of Machhakund Power

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.

In the last meeting, Southco Utility stated that work for linking of 33 kV Gumuda feeder at Akhusing S/S is under progress. Other linking lines as suitable are being taken up.

Sr. G.M (O&M), Zone-I / Sr. G.M. (Telecom) / Southco Utility may update.

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

Name of DISCOM	Month	Approved Energy Drawal Prorated for the month (MU)	Scheduled Energy (MU)	Actual Energy Drawal (MU)	Open Access Import Schedule (MU)	Net Energy Drawal (MU)	Overdraw (MU)
		1	2	3	4	5=(3-4)	6=(5-2)
CESU	April'15	721.644	676.468	700.852	3.892	696.96	20.492
WESCO	April'15	604.11	569.419	692.842	124.592	568.25	-1.169
NESCO	April'15	431.507	412.235	432.73	17.888	414.842	2.607
SOUTHCO	April'15	281.096	275.391	264.684	0	264.684	-10.707

The above figures are as per EBC data. Energy drawal by SOUTHCO are excluding of energy consumed by NALCO at Damanjodi and IMFA at Theruvali.

Members may please discuss

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

Since the frequency had never gone beyond the lowest setting of UFR, there was no UF Relay operation occurred during the month of April'15.

Members may note

PART C – issues raised in 108th OCC meeting of ERPC

C1: PLCC Status installed in Eastern Region & EL status

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.

CGM (O&M) / Sr. G.M. (Telecom) / OHPC may please deliberate.

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.

CGM (O&M) may please update.

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.

The status of the lines as deliberated in the in the last meeting are 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): Excavation work started.
- (iii) Bolangir PG-Kesinga S/C line (Part of Bolangir-Kesinga D/C line): Work started

CGM (Const.) / CGM (O&M) may please update the status.

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.

SLDC may deliberate.

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.

CGM (O&M) may please deliberate the status.

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.

CGM (O&M) / SOUTHCO may please deliberate.

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.

CGM (O&M) may please deliberate.

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’2015 is as tabled.

Sl. No	Name of Discom	No. of message issued	Over drawal (MU)
1	CESU	17	20.492
2	WESCO	25	-1.169
3	NESCO	17	2.607
4	SOUTHCO	12	-10.707
	Total	71	11.223

All the Discoms are requested to predict their drawal in a realistic manner to avoid over drawal / under drawal. Frequent revision of drawal schedule may be avoided as for as possible.

Discoms may please deliberate.

D2: Availability of data of real time power flow of feeders covered under Under-frequency Load shedding scheme (UFLS) and lower relief expected to be obtained in real time system operation

Sr. G.M. (Telecom) stated that inspection of MFM is in progress. Work will be completed soon after receipt.

Sr. G.M. (Telecom) may please deliberate.

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.

Members may discuss.

D4: Prolonged outage of transmission elements and tentative revival dates

Sl.No	Name of transmission element	Reason of outage	Probable date of revival
1	220 kV Jayanagar-Theruvalli ckt-III Breaker	Breaker defunct	May 2015
2	220/132 kV, 100 MVA Auto-II at Duburi	After inspection by repairer, date can be ascertained	Can be ascertained after inspection.

C.G.M. (O&M) may please update the status.

D5: 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.	Name of CGP	Present status
1	M/s Sri Ganesh Metalicks Ltd.	M/S Sri Ganesh proposed for communication through wireless communication mode. They have been permitted for testing.
2	M/s IFFCO, Paradeep	Outdoor commissioning work is completed. Testing of DPLC is in progress. RTU not commissioned.
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.

Sr. G.M (CP) / Member Secretary, GCC stated that after receiving the updated information from Telecom, a meeting at zonal level shall be convened to discuss the issue.

GCC / Sr. G.M. (Telecom.) may please deliberate.

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

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

In the last meeting, DGM (Telecom) stated that Tap position indicator (TPC 2000) have already installed and integrated with RTU for both the ICTs at Mendhasal. The same will be installed for Meramundali as soon as TPC2000 is available.

Sr. GM (Telecom) stated that Tap position data for Meramundali shall be made available by May'15.

CGM (O&M) / G.M. (Telecom) may update.

(iii) Availability of data at SLDC.

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

- Power flow through 132 kV Paradeep- Jagatsinghpur ckt.
- Power flow through 132 kV Jajpur Road- Anandpur ckt.
- Machhakund generation data
- JSPL (Angul) generation data
- CESU drawal from Mendhasal station transformer

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.

Sr. G.M. (Telecom) may please deliberate.

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

As deliberated in the last meeting the issue has been raised in the SCADA meeting of ERPC and display in the VPS of SLDC control room.

Sr. G.M. (Telecom) may please deliberate.

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.

DISCOMs may deliberate.

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.

Members may discuss

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.

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.

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.

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 May 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 awarded. 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. Work has already been started.

[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	able month of commissioning	Name of DISCOM	Action taken by Discoms
1	132/33kV, 2x20 MVA Banki	Charged	CESU	33 kV feeder shall be charged by April' 15
2	132/33kV, 2x20 MVA Konark	May' 15	CESU	Line existing
3	132/33kV, 2x31.5 MVA Samuka beach	Apr' 15	CESU	33 kV Completed by end of Apr' 15
4	132/33kV, 2x20 MVA Khajuriakota	December' 15	CESU	33 kV feeder work shall be completed by June' 15
5	132/33kV, 2x40 MVA Sarasmal	Charged	WESCO Utility	
6	132/33kV, 2x40 MVA Kalunga	May' 15	WESCO Utility	
7	220/33kV, 2x20 MVA Banei	Dec' 15	WESCO Utility	
8	132/33kV, 2x12.5 MVA Dabugaon	Apr' 15	SOUTHCO Utility	33 kV Dabugaon and Papadahandi feeder completed
9	132/33kV, 2x12.5 MVA Umerkote	Apr' 15	SOUTHCO Utility	33 kV feeder shall be completed by May' 15
10	132/33kV, 2x20 MVA Nawapara	Charged	WESCO Utility	33 kV feeder work completed.
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	May' 15	NESCO Utility	33 kV feeder existing

As decided in the last meeting, construction of 33/0.4 kV S/S at Mendhasal to avail power supply for Mendhasal area by CESU is yet to be done.

All DISCOMS may update the status / CGM(O&M) & CGM(Const.) may please deliberate

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.

CGM (O&M) may update the status / OHPC / WESCO may please deliberate.

E3: TTPS ISSUE.

Implementation of Feeder Metering

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

GRIDCO / TTPS may please update.

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 stated that the work has already been started and completed by end of May 2015.

NESCO may please deliberate.

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.

CGM (O&M) / CGM (Const.) may instruct field units.

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

Important incidents occurred during the month of April'15 are as detailed.

On 02.04.2015 at 14:37 hrs, 400 kV Mendhasal- Meramundali Ckt tripped at Mendhasal end only on LBB/BB trip protection. As reported by Mendhasal S/S 400 kV Mendhasal-Baripada PG Ckt-I & II tripped at Baripada PG on Zn-II but did not trip at Mendhasal end. 220 kV Narendrapur Ckt-I and Bhanjanagar Ckt tripped at Narendrapur and Bhanjanagar end only.

On 07.04.2015 at 20:07 hrs 220 kV Meramundali-Bhanjanagar Ckt-I & II tripped at Bhanjanagar end on E/F relay indication. 400/220 KV, 315 MVA ICT-I & II at Mendhasal tripped on both side on O/C. 400 kV Mendhasal- Meramundali Ckt tripped at Mendhasal end only on operation of DTT relay.

On 07.04.2015 at 20:13 hrs 220 kV Budhipadar-Lapanga Ckt-I & II tripped at Budhipadar end on 'R' ph, E/F, Zn-I. 220 kV Budhipadar-Bhusan Ckt-II tripped at Budhipadar on 'R' ph, O/C. At 21:02 hrs while charging 220 kV Bhusan Ckt-II it tripped pulling out 220 kV Lapanga Ckt-I & II. At the same time #1 and 2 at IbTPS tripped and sterlite unit went to house load. 220 kV Budhipadar- IbTPS Ckt-I, II, III & IV tripped at IbTPS end on D/P, Zn-III relay indication.

On 22.04.2015, 18:24 hrs 220 kV Meramundali-Bhanjanagar Ckt- II tripped at Meramundali end only on 'R' ph, E/F relay indication. 220 kV Meramundali-Bhanjanagar Ckt- I tripped at Meramundali end only on O/C. 400/220 KV, 315 MVA ICT-I & II at Mendhasal tripped on 400 kV side on O/C. On investigation it was found that earth wire of 400 kV IbTPS-Meramundali Ckt-I snapped between Loc. No-116/0 to 117/0 which was antitheft charged from 220 kV Meramundali-Bhanjanagar Ckt-II in 'R' ph.

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 is as detailed.

Sl No	Transmission lines	Tripping Dt/time	Restoration Dt/time	Reason
1	220 kV Budhipadar-Bhusan Ckt-II	07.04.15 20:13	08.04.15 19:42	'R' ph CT leakage at Budhipadar S/S & tightening of all jumpers from damaged at Loc. No-1 to 60.
2	220 kV Meramundali-Bhanjanagar Ckt-II	10.04.15 13:22	11.04.15 15:41	Theft in 400 kV Meramudali-Ibtps Ckt-I (antitheft charged from 220 kV Mmundali-Bnagar Ckt-II
3	220 kV New Duburi-Paradeep Ckt-II	11.04.15 15:04	12.04.15 02:08	'B' ph. insulator damaged at loc. No-132 & 134.
4	220 kV Meramundali-Bhanjanagar Ckt-II	12.04.15 10:55	13.04.15 18:09	Theft in 400 kV Meramudali-Ibtps Ckt-I which is antitheft charged from 220 kV Meramundali-Bhanjanagar Ckt-II
5	220 kV Rengali-Barkote Ckt	13.04.15 17:10	15.04.15 13:38	'R' ph insulator damaged at Loc. No-309

6	220 kV Chandaka-Mendhasal Ckt-I	21.04.15 18:19	23.04.15 15:41	R' phase conductor touched 'B' phase conductor at Loc. No-278 of 400 kV Meramudali-Mendhasal Ckt-II which is antitheft charged from 220 kV Chandaka-Mendhasal Ckt-I
7	220 kV Meramundali-Bhanjanagar Ckt-II	26.04.15 22:57	27.04.15 16:09	Theft in 400 kV Meramudali-Ibtps Ckt-I which is antitheft charged from 220 kV Meramundali-Bhanjanagar Ckt-II
8	220 kV New Duburi-Bhadrak Ckt	28.04.15 16:43	29.04.15 07:27	Line patrolling was done but no fault found.
9	220 kV TTPS-Kaniha Ckt	28.04.15 17:03	29.04.15 15:10	Line patrolling was done but no fault found.

C.G.M. (O&M) may please deliberate.

E8: Review of Outage Program of State Generators / Transmission elements for the month of June'2015:

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

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

OHPC may deliberate.

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 Programme (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				

OHPC may update.

PART F: OTHER ISSUES

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