

Odisha Power Transmission Corporation Ltd.
Bhubaneswar.



Agenda
for
88th Power System Operational Coordination Meeting

Date: 29.07.2015
Venue: PTC, Chandaka

Odisha Power Transmission Corporation Ltd. Bhubaneswar.

Agenda for 88th PSOC Meeting to be held on 29.07.2015 at PTC, Chandaka

A1: Confirmation of the minutes of the 87th PSOC Meeting held on 27.06.2015

The minutes of meeting was circulated vide letter No. SGM (PS)-PI-15/2014/2816⁽³⁰⁾, dated 17.07.2015 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 May'15 & June'15.

(A) Frequency:

Hourly frequency variation for the month of May'15 & June'15.

Month	% of time frequency remained				
	<49.00	49.00-49.70	49.70-49.90	49.90-50.05	>50.05
May'15	0.00	0.22	12.23	62.21	25.34
June'15	0.00	0.09	7.00	58.88	34.04

Maximum & Minimum frequency during the month of May'15 & June'15.

Month	Freq (Hz)	Date	Time
May'15	Maximum – 50.42	31.05.15	17:00 Hrs
	Minimum – 49.66	05.05.15	14:45 Hrs
June'15	Maximum – 50.56	13.06.15	15:04 Hrs
	Minimum – 49.60	26.06.15	19:15 Hrs

(B) Grid Demand for the month of May'15 & June'15.

Month	Demand	Maximum Consumption		Maximum Demand			Minimum Demand		
	MU	MU	Date	MW	Date	Time	MW	Date	Time
May'15	2393	83.61	29.05.15	3932	29.05.15	22:00	2319	11.05.15	18:00
June'15	2279	83.71	10.06.15	3974	09.06.15	21:00	2491	22.06.15	14:00
June'14*	2190	79.48	05.06.14	3723	05.06.14	21:00	2043	17.06.14	19:00

Members may please discuss.

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

Sl. No	S/s Name	Maximum			Minimum		
		kV	Day	Time	kV	Day	Time
1	Jayanagar	245.77	14	04:30	227.01	8	12:00
2	Theruvalli	237.40	12	12:15	211.42	29	19:45
3	Bhanjanagar	234.51	14	17:30	214.94	29	19:15
4	Chandaka	229.03	21	03:45	207.67	04	19:30
5	Narendrapur	223.72	14	12:15	175.91	23	18:15
6	Joda	241.33	22	12:30	219.27	04	20:00
7	Tarkera	232.32	15	02:45	222.16	04	20:45
8	Bhadrak	233.94	14	03:30	187.34	24	22:00
9	Paradeep	232.43	01	12:45	182.09	04	19:45
10	Budhipadar	235.38	23	11:15	219.68	04	20:00
11	Duburi	230.47	14	03:30	196.87	04	19:45
12	Balasore	235.67	14	03:45	201.03	04	19:15
13	Meramundali	230.53	01	13:30	212.63	04	20:30
14	Bidanasi	230.59	15	20:00	207.26	11	14:30
15	Katapalli	234.80	01	01:30	216.04	04	19:45
16	Nayagarh	231.34	21	04:00	210.38	04	19:45
17	Mendhasal	231.97	21	04:00	210.15	04	19:30
18	Bolangir	238.79	01	01:15	206.74	11	16:00
19	Barkote	234.74	21	13:45	181.22	16	16:45

The maximum voltage of 245.77 kV and 241.33 kV occurred at Jayanagar and Joda 220 kV bus while Narendrapur, Paradeep, Bhadrak and Barkote 220 kV bus have experienced the minimum Voltage of 175. 91, 182.09, 187.34 and 181.22 kV respectively.

Members may discuss.

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

Source of Power	Energy (MU)
Thermal (TTPS+IB)	540.02
OHPC Stations including Machhkund share	473.42
IPP & CGP Support	699.93
ISGS drawal	565.43
TOTAL	2278.80

(E) Drawal of Machhakund Power

The drawal of Machhakund power during the month of June'15 was **8.927 MU** against AP drawal of **14.345 MU**. Total generation was 24.556 MU.

Machhakund generation was reduced due to shutdown of Machhakund units from 19.05.15 to 10.06.2015. Machhakund has extended power supply from 16.06.2015 only. Gridco may take up the matter with Machhakund authority to compensate the State's share.

In the last meeting:

Southco Utility stated that work for tender has been done for linking of 33 kV Gumuda feeder with Akhusing S/S.

Gridco stated that a decision for sale of the State's Machhakund share to AP is anticipated within a couple of weeks.

OHPC may raise this issue in their monthly meeting with Machhakund authority to compensate the State's share by allowing Odisha to draw during off peak period of the day. Gridco may write APGENCO in this regard.

Gridco / OHPC / Southco Utility may update.

(F) DISCOM Drawal up to the month of June'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
	May' 15	745.699	741.683	803.331	4.582	798.749	57.066
	June'15	721.644	680.782	731.303	4.094	727.209	46.427
WESCO	April' 15	604.11	569.419	692.842	124.592	568.25	-1.169
	May' 15	624.247	608.011	742.524	132.217	610.307	2.296
	June'15	604.11	571.331	677.972	107.811	570.161	-1.17
NESCO	April' 15	431.507	412.235	432.73	17.888	414.842	2.607
	May' 15	445.890	452.964	475.162	19.32	455.842	2.878
	June'15	431.507	428.938	458.649	23.262	435.387	6.449
SOUTHCO	April' 15	281.096	275.391	264.684	0	264.684	-10.707
	May' 15	290.466	277.641	285.102	0	285.102	7.461
	June'15	281.096	253.054	263.675	0	263.675	10.621

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 June'15.

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

Members may note

PART C – issues raised in 111th OCC meeting of ERPC

C1: Status of PLCC system installed in Eastern Region

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

TCC advised Powergrid to submit the survey report along with roadmap and requirement for restoration of PLCC system.

In 110th OCC, Powergrid informed that survey has been completed and the estimate is under preparation. OCC advised Powergrid to place the complete survey report along with the estimate for restoration of PLCC.

Sr. G.M (Telecom) may update the status.

C2: Future requirement of Special Energy Meters and DCDs ---Powergrid

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

In 110th OCC, Powergrid informed that the procurement process will be initiated by next month. Subsequently, on enquiry from Powergrid regarding procurement of new DCD/Laptops, ERLDC intimated since the no. of new location is 104, we may go for procurement of approximate 110 DCD / Laptop in Eastern Region. ERLDC/Powergrid may update.

In 109th OCC, OPTCL requested for replacement of seven nos. of existing DCDs.OCC advised Powergrid to do the needful.

In 110th OCC, Powergrid Odisha-projects informed that spare DCDs are now available and OCC advised to replace the defective DCDs. Powergrid Odisha-projects agreed.

SLDC may update the status

C3: Status of UFRs healthiness installed in Eastern Region

Certification for the month of June, 2015 is received only from DVC only.

The certificate was handed over on 24.07.2015 before the OCC.

OPTCL may ensure timely submission of the certificate in respect of UFR healthiness.

CGM (O&M) may deliberate the status.

C4: 220 kV inter-connecting lines of OPTCL with 400/220 kV Bolangir (PG), Keonjhar & Pandiabil S/s

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

In 110th OCC, OPTCL updated the completion schedule of inter-connecting system as follows:

Sl. No.	Name of the transmission line	Completion schedule
1.	2 X 315MVA 400/220kV Bolangir S/s	
a.	LILO of one circuit of Sadeipalli-Kesinga 220 kV D/C line at Bolangir S/S.	Dec, 2015 (Severe ROW problem)
b.	LILO of one circuit of Katapalli-Sadeipalli 220 kV D/C line at Bolangir S/S.	End of July'2015
2.	400/220 kV Keonjhar S/S.	
a.	Keonjhar (PG)-Keonjhar (OPTCL) 220 kV D/C line	Yet to be awarded
b.	Keonjhar (PG)-Turumunga (OPTCL) 220 kV D/C Line.	Yet to be awarded
3.	400/220 kV Pandiabil Grid S/s	
a.	Pratapsasan(OPTCL)-Pandiabil (PG) 220 kV D/C line	It will take 1 year for completion.
b.	LILO of one circuit of Atri-Puri (Samangara) 220 kV D/C line at Pandiabil (PG)	End of July, 2015.

The status of item 1(b) as deliberated in the OCC is August' 15, while the other item status remains unchanged.

CGM (Const) / CGM (O&M) may please deliberate

C5: Third Party Protection Audit

Status of 1st Third Party Protection Audit:

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

Name of Constituents	Observations	Total Complied	% of Compliance
Odisha	59	12	20.34

As deliberated in the OCC, OPTCL have complied 42 Nos observations.

As per advice of CERC, OPTCL have entrusted CPRI for conducting 3rd party protection Audit for 4 Nos. of Grid sub-stations namely Jayanagar, Meramundali, Jayanagar and Theruvali. It is noticed that Grid Study Committee held on 16.07.2015 at NLDC decided to include the above Grid sub-stations to be audited by M/s Tractabel, Romania without considering the views of OPTCL. OPTCL may intimate the above to NLDC and request to exclude those Grid sub-stations from the Audit.

CGM (O&M) may please deliberate.

C6: Data of Peak Demand

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

X X X X X X

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

DVC has submitted the data for the month of June, 2015.

SLD C may ensure submission of the above report by end of 1st week of the month.

Sr. G.M (PS) may discuss.

C7: Pollution mapping for Eastern Region

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

Utility	Scope	Installed Locations	No. of locations where 1st set of Measurements Completed	Remarks
OPTCL	164	102	39	Work is in progress.

It was deliberated in the OCC that OPTCL have completed measurement of 82 nos of locations.

CGM (O&M) may please update

C8: Mock Black start exercises in Eastern Region – ERLDC

Sl. No.	Name of Hydro Station	Schedule	Tentative Date	Schedule
1	U.Kolab	Last week of May, 2015	1st week of July, 15	Last Week of January, 16
2	Rengali	2 nd week of June 2015	End of July, 15	Last week of November, 15
3	U. Indravati	3rd week of June 2015	Aug, 15	2 nd week of February 2016
4	Balimela	1 st week of November,15		1 st week of March 2016
5	Burla			

In the 111th OCC meeting of ERPC, it was deliberated that mock black start exercise in respect of Upper Indravati & Upper Kolab PH has been conducted successfully on 16.07.2015.

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

SLDC / OHPC may deliberate

C9: Restoration of SCADA data

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

Updated status as updated in SCADA meeting which was held on 28th January' 15 is circulated in the meeting.

The status as updated in the SCADA meeting is as given below:

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

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

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

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

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

SL No	Name of station/ Utility	Reason for non reporting	Latest status
II	JSPL (Meramundali - 400)	Most of the data not available.	OPTCL informed that they are taking matter with JSPL. Problem still not resolved

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

C10: Information regarding commissioning of new transmission element

1. 400kV Barh-Gorakhpur-I was charged for the first time at 20:30hrs of 01/06/15.
2. 160 MVA ICT-II at Purnea was charged for the first time on no load at 17:31hrs of 09/06/15. Subsequently the same was loaded for the first time at 17:36hrs of 10/06/15.
3. 80 MVA spare L/R of 765kV Angul-Jharsuguda-II at Angul was charged for the first time in R-ph at 23:58 hrs of 29/06/15.

Members may Note

C11: Status of commissioning of generating station and transmission elements

New transmission elements:

Sl No.	Name of Element	Expected date
7	LILO of Baripada-Mendhasal D/C at New Duburi	
11	400 kV Meramandali-Dubri D/C	
12	400 kV IB-Meramandali D/C	
14	220 kV Bidhansai-Cuttack D/C	

C.G.M. (Const.) may 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 June'2015 is as tabled.

Sl. No	Name of Discom	No. of message issued	Over drawal (MU)
1	CESU	11	46.427
2	WESCO	7	-1.17
3	NESCO	1	6.449
4	SOUTHCO	0	10.621
	Total	19	62.327

It is noticed that CESU had overdrawn a substantial quantum of power to the tune of 46.427 MU during the month. Southco had also overdrawn appreciable quantum during the month. It was also noticed that CESU was continuously overdrawing since last five months. As stated by CESU that they are predicting the drawal from the SCADA data. It was decided in the last meeting that SLDC and CESU shall analyze their drawal displayed in SCADA and compare with the actual drawal to ascertain the error and to place the findings in the next meeting.

SLDC/ CESU / 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 obtained in real time system operation

In the last meeting Sr. G.M. (Telecom) stated that pilot project has been completed at Khurda grid sub-station (33kV Banki feeder) and for all other sub-stations MFM have been dispatched to the site and will be commissioned shortly.

Sr. G.M. (Telecom) may please update the status.

D3: Revival of Station Transformer for Station Auxiliary supply at Balimela HEP.

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

In the last meeting SLDC suggested for revival of station transformers for availing power supply in contingency conditions.

On 19th July'15 Balimela PH had availed auxiliary supply from the existing 220/33 kV Tfr. It construed that 33/11 kV system is existing at Balimela PH.

In view of the above keeping two units in the bar all the times is not justified.

Members may discuss / OHPC may deliberate.

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.
3	220 kV Budhipadar-Raigarh	Breaker problem at Raigarh	

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

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

In the last meeting Sr. G.M.(Telecom.) stated that installation of communication facility in respect of M/s NINL, Duburi, M/s Adhunik Metallics and M/s Rohit Ferrotech shall be discussed in GCC meeting proposed to be held at Duburi shortly.

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

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

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

In the last meeting Sr. G.M. (Telecom) stated that action has been taken for procurement of TPI. The work is expected to be completed within a fortnight.

Sr. G.M. (Telecom) may update.

(iii) Availability of data at SLDC.

The data for

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

In the last meeting Sr. G.M. (Telecom) stated that, final testing & commissioning in respect of item (b) is pending and shall be completed shortly.

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

(iv) Interruption of SCADA.

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

Sr. G.M. (Telecom) stated that action is being taken to improve the link availability between Rourkela PG (Bisra) to Kaniha in co-ordination with POWERGRID to avoid interruption of SCADA.

Sr. G.M. (Telecom) may please update the status.

(v) Integration of new element.

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

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

In the last meeting Sr. G.M. (Telecom) stated that they have already written a letter to SSL in this regard and suggested that Sr. G.M. (PS) may also make correspondences with Vedanta Ltd.

Sr. G.M. (Telecom) / SLDC may please update.

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.

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

Sl. No	Dist. Utility	Status of leased line	Remarks
1	CESU	Already connected. RVDU commissioned	Data display available
2	WESCO	Applied to BSNL for demand note	Expected by 15 th July' 15.
3	NESCO	Required amount deposited with BSNL	Expected by 30 th June' 15.
4	SOUTHCO	Already connected	

In the last meeting 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.

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

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. In the last meeting it was decided that IT wing shall take up the work. The scheduling formats shall be forwarded to all users.

In the last meeting IT representative stated that they will take two months for development of the software.

CGM (IT) & SLDC may update the progress.

D8: DISCOM Issues

SOUTHCO:

1. Data in RVDU are not available properly and not updated all fields.
2. Facilitating to get the history of previous blocks in Excel format for better ABT operation.
3. Due to non availability of major grid data accurately i.e of Narendraput, Bhanjanagar, Theruvali, lead to non-control of over drawal.
4. Machkunda power drawal.

Previous proposal of linking of 33kv system to draw Machhakund power from Akhusingi to Bissamcuttack is still under progress, however the same is not feasible due to long distance and thus it may be shared by 132 kV system only.

NESCO

- 1) Up-gradation of Barbil grid 2 X 12.5 MVA to 2 X 20 MVA.
- 2) Power supply to Chandikhol grid may be made from Duburi Grid instead of Paradeep to avoid low voltage problem.
- 3) Additional 1 X 20 MVA transformer is to be installed at 132/33 KV Anandapur GSS. Work is to be expedited.

- 4) Shifting of 33 KV line from Balasore GRID S/S yard to facilitate separation of transformer and Balasore Alloys bay has already been completed. But energisation is pending due to Car festival.
- 5) The schedule, drawl and data displayed in RVDU is not matching with SLDC at a particular instant. The same may be rectified.

CESU

1. Up gradation of Phulnakhara GSS from 2x20 MVA to 1x20+1x40 MVA to facilitate load diversion from Bhubaneswar GSS.
2. Interruption of power supply to Traction S/Ss as detailed

Sl No	Name of traction S/S	Name of GSS	Interruption during June' 15 in Hrs
1	Solari.	Balugaon	30 hrs 42 min
2	Kaipadar Road	Khurda	00 hr 43 min
3	Joranda Road	Dhenkanal	01 hrs 55 min
4	Meramundali	Meramundali	00 hrs 57 min
5	Gorkhanath	Jagatsingpur	28 hrs 35 min
		Total	62 hr 52 min
		Percentage of time	8.73

3. Discrepancy noticed in the RVDU
 - Schedule is not updated
 - 30-40 MW drawal difference between SLDC and RVDU display.
 - Data for Mendhasal Auto, 132 kV IMFA Choudwar and 132 kV Rairakhol-Boinda in not displayed.
4. Displaying of Deviation charges / ISGS share.
5. Mismatch of displayed and actual drawal lead to inaccurate drawal prediction on day-ahead basis.

PART E: OPERATIONAL PLANNING

E1: Commissioning status of New Transmission elements.

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

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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 July 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 July'2015.
4	Commissioning of 400 kV Duburi-Meramundali D/C line.	Work is in progress after disposal of Case. Expected by the end of July 2015.
5	Commissioning of 220 kV Bidanasi-Cuttack line	Work in progress and expected to be completed by July 2015.
6	Commissioning of 220/132 kV Cuttack S/S	Work in progress and expected to be completed by July 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 July, 2015
11	220 kV Bolangir –Kesinga D/C line and LILO of one ckt at Bolangir(PG).	220kV Bolangir - Kesinga D/C line is under construction. It is proposed to connect Bolangir (PG) through LILO arrangement of one ckt. Land dispute is yet to be resolved.

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

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

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

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

In the last meeting it was decided that, Gridco shall consider ABT compliant meters installed at all hydro stations for Billing / commercial purpose.

WESCO may take necessary follow up action with Railway authority for replacement of CT & PT and meter panel at their traction points.

GRIDCO / OHPC / WESCO may please deliberate.

E3: TTPS Issue.

Implementation of Feeder Metering

In the last meeting it was decided to implement feeder metering for TTPS with effect from 29.06.2015 with existing 600/1, CT and bus PT, pending installation of 400/1, 0.2C accuracy class CT & line CVT. The meter reading may be computed as per the existing CT ratio. It was also decided that, CGM (O&M) shall provide 3 nos. of 400/1, 0.2C accuracy class CT & CVT for installation at TTPS. TTPS may place the requisition early.

GRIDCO / OPTCL/ TTPS may please deliberate.

E4: RSP Issue.

Power Failure at Tarkera Grid on 29th March (twice) and 3rd May on 24th May, 3rd July and 6th July' 15 (twice) due to problem in Tarkera - Budhipadar Line affecting RSP production badly. Request to kindly discuss/debate and take remedial measures to prevent recurrence.

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

E5: 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 shall be completed by end of July 2015.

NESCO may please deliberate.

E6: Major Events in the month of June'15

1. 25 MW, ACME Solar project commissioned and connected through LILO with 132 kV Bolangir- Sainitala ckt.
2. 132/33 kV, 2x20 MVA S/S at Banki commissioned on 09.06.2015.
3. 3rd 132/33 kV, 40 MVA Transformer at Rajgangapur S/S commissioned on dated 27.06.2015
4. 2nd 132/33 kV, 20 MVA Transformer commissioned on 29.06.2015

E7: Important Grid Incidences during the month of June'15.

Important incident occurred during the month of June'15 are as detailed.

On 01.06.15 at 12:15 hrs all the 220 kV feeders, ICT and Auto connected to 220 kV bus-II at Meramundali (220 kV Duburi -I & II, 220 kV Kaniha -I & II, ICT-II, Auto-I, II & III) tripped with operation of bus bar protection and 220 kV bus-II become dead. On investigation it was found that 'Y' ph pipe connecting to CT stud of 220 kV Duburi Ckt-I snapped. Simultaneously 220 kV Balasore-New Duburi Ckt and 220 kV Balasore-Bhadrak Ckt tripped at Balasore end, interrupting power supply to Duburi & Paradeep command area.

Members may discuss

E8: Reporting of major Incidents

It is noticed that, very often the reports in respect of major incident received from the field S/Ss are not in proper order and not containing the relay indications and sequence with justification. At times the report is being received after considerable lapses of time, even after 2-3 days, which lead to embarrassing situation in the protection coordination sub-committee meeting of ERPC. To streamline the reporting, it is suggested that the DGM in charge of EHT (O&M) Division shall forward the "Major Incident" report in respect of all Grid S/S under their control to SLDC, with proper analysis, within 24 hours of occurrence. Respective E&MR Division shall analyse the report and forward their views to SLDC within a week for discussion in the Protection Sub-committee meeting of ERPC.

Members may discuss

E9: Outage of major transmission Elements during the month of June'15. (above 10 hrs).

Outage of major transmission elements above 10 hours during the month of JUNE'15 is as detailed.

Sl No	Transmission lines	Tripping Dt/time	Restoratio n Dt/time	Reason
1	220 kV Rengali PH-Kaniha Ckt	04.06.15 07:28	05.06.15 15:53	'R' ph insulator damaged at Loc. No-120
2	132 kV Baripada PG-Rairangpur Ckt	08.06.15 16:15	09.06.15 16:40	'R' ph insulator damaged at Loc. No-154
3	132 kV Budhipadar-Remja Ckt	13.06.15 17:18	14.06.15 10:46	'B' ph conductor snapped between Loc. No-4 and 7.
4	132 kV Burla-Budhipadar Ckt-I	14.06.15 21:40	17.06.15 14:20	Breaker problem at Burla PH end

5	220 kV New Duburi-Balasore Ckt	15.06.15 18:30	19.06.15 23:13	'R' ph insulator damaged at Loc. No-351,352, 433, 442 and all three phases insulator damaged at Loc. No-435 and 436.
6	220 kV Mendhasal-Bidanasi Ckt	15.06.15 19:58	16.06.15 18:08	'R' ph insulator damaged at Loc.No-54.
7	132 kV Narendrapur-Berahmpur Ckt-II	20.06.15 12:11	21.06.15 11:38	'R' ph insulator damaged at Loc. No 19.
8	132 kV Balasore-Baripada Ckt	26.06.15 17:41	27.06.15 11:07	'B' ph insulator damaged at Loc. No-146.

Major outages are due to damage of insulator.

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

E10: Review of Outage Program of State Generators / Transmission elements for the month of August'2015:

Tentative Outage programme for State Generators for the month of **August'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	#3	15.02.14 to continue	Programming for R & M
3	Balimela	# 1	31.01.13 to continue	Programming for R & M
4	Upper Kolab	# 1	28.07.15 to 31.01.16	Capital Maintenance
5	TTPS	# 5 # 1	28.07.15 to 17.08.15 27.08.15 to 16.09.15	

OHPC may deliberate.

E11: Generation Program for the month of August'15.

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

Name of Hydro Gen. Station	Generation Programme (MW)		Reservoir Level as on 20.07.14	Reservoir Level as on 20.07.15	MDDL	High Flood Reservoir Level
	Aug'15 (1 st fortnight)	Aug'15 (2 nd fortnight)				
HPS, Burla	120+40	120+40	597.85ft	608.73ft	590 ft.	630 ft.
Balimela	100	100	1481.90ft	1485.30ft	1440 ft.	1516 ft.
Rengali	200	200	110.66mt	117.30mt	109.72mtr	123.5 mtr.
U.Kolab	100	100	848.47mt	851.17mt	844 mtr	858 mtr.
U. Indravati	200	200	628.82mt	630.80mt	625mtr	642 mtr
MKD (O/D)	30	30	2718.25ft	2725.95ft	2685 ft.	2750 ft.
TOTAL	790	790				

OHPC may update.

PART F: OTHER ISSUES

F1: Date and Venue of the next (89th) PSOC meeting.