



**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 / 2560 (28)

Dated: 15.09.2014

From:

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

To:

As per distribution list

**Sub: Minutes of 77<sup>th</sup> Power System Operational Co-ordination meeting held on 28.08.2014 at PTC, Chandaka .**

Sir,

Please find enclosed herewith the minutes of 77<sup>th</sup> Power System Operational Co-ordination meeting held on 28.08.2014 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 Member Secy., (GCC), OPTCL, Bhubaneswar
12. The C.E.O., CESU, Bhubaneswar
13. The M.D., WESCO, Burla
14. The M.D., NESCO, Balasore
15. The MD., SOUTHCO, Berhampur
16. The G.M. (Telecom), OPTCL, Bhubaneswar
17. The Vice President (O), IMFA, Choudwar
18. The D.G.M (Electrical), IbTPS, OPGC, Banharpali
19. The G.M. (O &M), CPP, NALCO, Angul
20. The DGM (O & M), NTPC (TTPS), Talcher
21. The G.M, HINDALCO, Hirakud
22. The D.G.M (Power Distribution), RSP, Rourkela
23. The D.G.M. (Elect.), JINDAL Stainless Ltd, Duburi
24. The G.M, Vedanta Aluminium Ltd., Jharsuguda
25. The G.M.(Elect.), Bhushan Steel & Power Ltd, Budhipadar
26. The Sr. G.M. (Elect.), Bhusan Steel Limited, Meramundali
27. The S.E, Machhakund

# Odisha Power Transmission Corporation Ltd. Bhubaneswar.

## **Minutes of 77<sup>th</sup> PSOC meeting held on 28.08.2014 at PTC, Chandaka.**

List of participants is at Annexure-A.

Sr. G.M (Power System) welcomed all the participants to the 77<sup>th</sup> Power System Operational Coordination meeting and highlighted the system performance during the month of July'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 Director (Commercial), GRIDCO.

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 76<sup>th</sup> PSOC meeting held on 16.07.2014**

The minutes was circulated vide letter No. SGM (PS)-Pl-15/2007(Vol.-VI)-2150<sup>(27)</sup>, dated 26.07.2014 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 76<sup>th</sup> PSOC meeting was confirmed since no comments were received.

### **PART B : SYSTEM PERFORMANCE**

#### **B1: Review of Grid Performance for the month of July'14.**

##### **(A) Frequency**

It was noticed that, during the month, **49.94%** of times the frequency remained in the IEGC band i.e 49.90Hz–50.05Hz in comparison to **45.18%** during the month of June'14. The maximum and minimum System frequency during the month of July'14 was 50.37 Hz & 49.43 Hz respectively.

##### **(B) Grid demand**

Grid demand for the month of **July'14** was reviewed. The energy consumption during the month was **2139 MU**. The maximum System demand of **3644 MW** occurred on 06.07.2014 at **21:00 Hrs** and minimum demand of **2110 MW** occurred on **21.07.2014** at **04:00 Hrs**.

#### **Deliberation in the meeting**

It is observed that energy consumption during the month of **July' 14** was decreased by **51 MU**, the peak demand during the month has been reduced by **79 MW** from that of **June'14**. The energy consumption during the month has been increased by **60 MU** in comparison to **July'13**.

**(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 **July'14** was reviewed. It is noticed that **Jayanagar** 220 kV buse had experienced a maximum voltage of **250 kV** and minimum Voltage of **192 kV** was experienced at **Narendrapur** 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. The accuracy of Voltmeter at Jeypore needs to be examined. O&M stated that Voltage profile can be seen from the Audit meters and compared.

[Action: SLDC]

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

Energy generation and exchange during the month of July 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 2138.81 MU.

**(E) Drawal of Machhakund Power**

The energy drawal during the month was 34.917 MU against total generation of **68.621** MU (AP drawal 30.357MU)

**Deliberation in the meeting**

Sr. G.M (PS) stated that the state has drawn more than its share from Machhakund during the month of July. 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 examining to re-configure the 33 kV feeders to be kept on Machhakund system. 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 July'14**

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

**Deliberation in the meeting**

It was noticed that all the Discoms have overdrawn during the month. The total over drawal of all the Discoms during the month was 111.128 MU. Director (Commercial) stated that even though the State had met 3600 above peak demand during the month, the requirement furnished by all Discoms was much below the actual demand excluding NALCO and ICCL wheeling. This substantial difference is due to lower schedule furnished by some of the Discoms deliberately. SLDC should monitor the deviation of Discom drawal on real time basis and instruct such Discoms to remain in their schedule or to revise as per actual drawal profile.

**All DISCOMs were requested to remain in schedule irrespective of frequency.**

[Action: All Discoms]

## PART C – issues raised in the 100<sup>th</sup> OCC meeting of ERPC

### **C1: Automatic Demand Management Scheme (ADMS)**

**Item no. B.7: Implementation of Automatic Demand Management Scheme (ADMS) in compliance of CERC order dated 25/04/2014 on sue-motu petition no. SM/005/2014**

#### **Deliberation in the meeting**

WESCO, NESCO & SOUTHCO stated that they have entrusted M/s PRDC, Bengaluru to prepare the DPR for implementation of SCADA in their respective control area. All of them including CESU stated that funding is a constraint for implementation of the scheme.

### **C2: Charging of Line Reactor at Meramundali**

**Item no. B.10.6: Status of 80MVAR Line Reactor of 400kV Meramundali-Angul at Meramundali - Status of procurement of relay by OPTCL.**

#### **Deliberation in the meeting**

O & M stated that Powergrid has agreed to spare the relay on replacement.

### **C3: Mock Black start exercises**

**Item no. B.21: Mock Black start exercises in Eastern Region – ERLDC**

#### **The status of black start exercises**

In 97<sup>th</sup> OCC, tentative schedule of Black Start for 2014-15 exercise was confirmed by the constituents. In 100<sup>th</sup> OCC, the following generators are scheduled for black start:

- i. xxxxxxxxxxxx
- ii. Rengali HEP :- August, 14
- iii. U. Indravati HEP :- August, 14

#### **Deliberation in the meeting**

Sr. G.M. (O&M), Chainpal stated that Isolator foundation of Rengali Switchyard has been suppressed. However, the exercise can be conducted with manual intervention. SLDC may finalize the date and intimate to all concerns.

[Action: SLDC]

### **C4: Commissioning of new transmission elements.**

**Item no. C.4: Information regarding commissioning of new transmission element**

1. 765/400 KV, 3X500 MVA ICT-II at Jhasuguda was charged for the first time at 19:10 HRS on 03.07.14.
2. 765KV Bus-II at Jhasuguda was charged for the first time at 20:05 Hrs of 03.07.14.
3. 3x80 MVAR B/R-II at Jhasuguda was charged for the first time at 20:43 Hrs of 03.07.14.
4. 765 KV Jhasuguda-Dharamjaygarh-I was charged for the first time at 00:00Hrs of 29/07/14.
5. 765 KV Jhasuguda-Dharamjaygarh-II was charged for the first time at 16:00 Hrs of 29/07/14.
6. 765 kV Ranchi-Dharamjaygarh-Sipat Inter-Regional Transmission Link was also charged.

*For information of Members*

## **PART D: OPERATIONAL PLANNING**

### **D1: Non-compliance of drawal schedule by DISCOMs**

It is noticed that all the Discoms were overdrawing most of the times even at adverse frequency condition in spite of repeated instructions issued by SLDC. Such overdraw by DISCOMs reflects in the State's drawal from grid for which ERLDC is issuing messages frequently. Also, GRIDCO is forced to pay the deviation charges to the tune of Rs 10/- to Rs.16/- per unit for the overdrawal as per CERC Regulation.

#### **Deliberations in the meeting.**

SLDC stated that the Discoms should furnish their realistic drawal schedule so that, there will not be substantial difference in their actual drawal in real time. Director (Commercial) stated that SLDC shall monitor the Discoms drawal on real time basis and take necessary action to regulate their drawal as per the schedule.

[Action: 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.

#### **Deliberations in the meeting.**

OHPC representative took a note of it and agreed to instruct Balimela HEP suitably. SLDC stated that OHPC stations are not reporting the details of tripping and relay indications in case of system disturbance.

[Action: OHPC]

### **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.**

D.G.M. (Telecom) stated that the tender for the said work is yet to be finalized.

[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.**

SLDC stated that two nos of 220 kV Theruvali- Indravati ckts are also under breakdown causing problem for Indravati evacuation in case of tripping of 400 kV system. Approach to the damaged tower is not possible due to water logging near the tower. Work will be taken up soon after receding of water. . CGM (O&M) stated that 220 kV Meramundali-Kaniha ckt-I will be charged soon.

[Action: CGM (O&M)]

## D5: Communication issues

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

As deliberated by Telecom, the status of data communication from CGPs as follows.

Sl. No	Name of CGP	Present status
1	M/s FACOR Power Ltd.	PLCC & RTU commissioned and testing is under progress.
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	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 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.

#### **Deliberations in the meeting.**

The matter could not be discussed due to absent of GCC representative. Action taken by GCC in this regard shall be deliberated in the next meeting.

[Action: GCC]

### (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 100<sup>th</sup> OCC meeting of ERPC held on 22.08.2014.

#### **Deliberations in the meeting.**

GM (Telecom) shall co-ordinate for integration of ICT tap with SCADA.

[Action: GM (Telecom)]

## D6: DISCOM Issues.

### (1)SOUTHCO:

- a. Power supply to Sunabeda HAL from NALCO, up-gradation of Purusottampur S/S. Replacement of 220/33kV, 20MVA transformer at Balimela sub-station which failed on 29.07.2014
- b. ABT related issues: providing all data in dash board as data from Berhampur, Narendrapur, Chatrapur, Aska are not being displayed since PHILINE, suspension of ABT during low generation period and correctness of drawal data.
- c. Approved schedule in some days during the month of August is higher than the requirement.

#### **Deliberations in the meeting.**

CGM (O&M) stated that one no. of 220/33 kV, 40 MVA transformer has been diverted to Balimela from Duburi and will be commissioned soon. GM (Telcom) stated that M/s Areva has been entrusted the task of restoration of data communication from Southern part of the State. SLDC stated that representative of Southco may discuss with SLDC regarding scheduling issues.

**[Action: CGM (O&M)/GM (Telecom)]**

### (2)CESU:

CESU has raised certain bilateral issues like bay extension at different S/Ss, Up-gradation of transformers and low Voltage problems.

#### **Deliberations in the meeting.**

CGM (O&M) deliberated major issues as follows. Certain issues like change of CT ration may be taken up with the respective GM (O&M) Circle level:

Sl. No	Issues raised y CESU	Deliberations
1	Commissioning of Banki, Konark & Samuka S/S	Sub-station work of Samuka is nearing to be completed, line construction under progress. Banki & Konark S/S under progress.
2	Up-gradation of Chandaka Auto	Expected by September 2014
3	220 kV Cuttack Grid S/S	Work in progress and expected to be completed by June 2015.
4	Commissioning of 220 kV Bidanasi-Cuttack line	Under progress. 132 kV Cuttack-Jagatsingpur S/C line shall be made D/C line to meet the load demand.
5	Up-gradation of Balugaon S/S to meet Tangi area load	Chandpur S/S has already been commissioned. CESU may make arrangement to draw power from Chandpur to meet Tangi area load.

**[Action: CGM (O&M)/CESU)]**



**PART E: OPERATIONAL PLANNING**

**E1: Commissioning status of New Transmission elements.**

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

<b>Sl. No</b>	<b>Details of transmission element</b>	<b>Present Status</b>
1	Commissioning of 220 kV Jayanagar-Jeypore 2 <sup>nd</sup> 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 <sup>rd</sup> 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 infrastructure for power drawal from the S/Ss expected to be commissioned in near future.

<b>Sl. No</b>	<b>Name of the sub-station</b>	<b>Probable month of commissioning</b>	<b>Name of DISCOM</b>
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 (Near Balasore)	Oct-14	NESCO

**Deliberations in the meeting.**

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. NESCO stated that Transformer at Barbil needs to be upgraded to 40 MVA to enable them to draw industrial load of the area.

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

**E2: Metering issues.**

Installation of energy meters already released by CGM (O&M) for Hydro Stations, traction substations and feeders emanating from Burla power house. In the last meeting CGM (O&M) stated that M/s Secure Meters will start installation of meters from next week.

**Deliberations in the meeting.**

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

**E3: Metering issue of TTPS.**

Installation of meters in all feeders emanating from TTPS.

**Deliberations in the meeting.**

CGM (O&M) stated that meters will be sent to STL for testing.

**E4: Major Events in the month of July'14.**

15.07.2014: 132 kV power supply extended to 132/33 kV, Chandpur S/S from Balugaon S/S end.

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

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

**E6: Important Grid Incidences during the month of July'14**

Important grid incidents occurred during the month were reviewed

**Deliberations in the meeting.**

It was decided that all incidents shall be analyzed in the Protection coordination committee before deliberating to ERPC.

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

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

Outage of transmission lines above 10 hours was reviewed.

**Deliberations in the meeting.**

Most of the incidents are due to insulator failure, LA failure and jumper / conductor snapping. SLDC stated that O&M should take necessary preventive precautionary measures to avoid prolonged outages of transmission elements.

[Action: CGM(O&M)]

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

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

Sl.	Station	Unit	Period	Remarks
1	Burla	# 1	17.02.14 to 31.08.14	Shaft seal and TGB replacement Guide vane problem Shaft seal heavy leakage (Programming for R, M & U)
		# 3	19.03.14 to 15.09.14	
		# 6	17.02.14 to 31.10.14	
2	Chiplima	#3	15.02.14 to 31.10.14	TGB Problem (Programming for R, M & U)
3	Balimela	# 1	31.01.13 to 27.09.14	Thrust bearing problem Thrust bearing problem Annual Maintenance
		#2	09.12.13 to 15.09.14	
		# 3	01.09.14 to 30.09.14	
4	Upper Kolab	# 3	16.05.14 to 05.10.14	Annual Maintenance

**E9: Generation Program for the month of August'14.**

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

Name of Hydro Gen. Station	Generation Programme (MW)		Reservoir Level as on 01.08.14	Reservoir Level as on 23.08.14	MDDL	High Flood Reservoir Level
	August' 14 2 <sup>nd</sup> fortnight	September' 14				
HPS, Burla	120+40	150+40	622.43ft	619.56ft	590 ft.	630 ft.
Balimela	150	200	1489.30ft	1491.80ft	1440 ft.	1516 ft.
Rengali	230	230	116.77mt	120.94mt	109.72mtr	123.5 mtr.
U.Kolab	60	80	851.23mt	853.35mt	844 mtr	858 mtr.
U.Indravati	600	500	636.12mt	640.44mt	625mtr	642 mtr
MKD	30	30	2723.20ft	2728.90ft	2685 ft.	2750 ft.
<b>TOTAL</b>	<b>1230</b>	<b>1230</b>				

**E10: Issues raised by Ib TPS**

- Implementation islanding scheme at Ib-Budhipadar command area.
- Bus-bar protection at Budhipadar sub-station

**Deliberations in the meeting.**

CGM (O&M) stated that islanding relay at Budhipadar S/S has already been commissioned. Busbar protection panel will be commissioned by end of September.

**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 conduct 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.

[Action: CGM (O&M)]

**PART F: OTHER ISSUES**

**Item No: F1 Shifting of 33 kV line near Balasore Grid S/S.**

**Deliberations in the meeting**

O&M stated that NESCO may take action for shifting of 33 kV line near Balasore Grid S/S to facilitate for construction of new 33 kV bay at Balasore S/S.

[Action: CGM (O&M)]

**Item No: F2 Time synchronization of Secure meters.**

CGM(PP), Gridco stated that O&M may take action for time synchronization of secure meters

***Deliberations in the meeting***

CGM (O&M) stated that AMC has already been made with M/s Secure meters for time synchronization.

[Action: CGM (O&M)]

**Item No: F2 Date and Venue of the next (78<sup>th</sup>) PSOC meeting:**

**Date and venue of 78<sup>th</sup> PSOC meeting shall be intimated to all the members.**

[ At 11:00 A.M. on 28.08.2014 ]

[ At Power Training Center, OPTCL, Chandaka, Bhubaneswar ]

Sl. No.	Name	Designation	Organisation	Telephone No.	Mobile No.	E-mail Address	Signature
1	<del>U. N. Mishra</del> U. N. Mishra	CGM (P) <del>Director</del>	GRIDCO	9438907724		u.n.mishra@gridco.com	
2	B. P. Mishra	CGM (RTG)	OPTCL	9438907019		ele.bpmishra@optcl.co.in	
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23	S. R. Sahu	CGM (T)	CESU	9438174208			
24	L. K. Das	AGM (E)	CESU	9437851632			
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