

Orissa Power Transmission Corporation Ltd.  
Bhubaneswar.



*Agenda  
for  
55<sup>th</sup> Power System Operational  
Coordination Meeting*

Date: 30.03.2009

Venue: OPTCL Power Training Center, Chandaka, Bhubaneswar

**AGENDA FOR THE 55<sup>th</sup> POWER SYSTEM OPERATIONAL CO-ORDINATION MEETING  
TO BE HELD AT OPTCL POWER TRAINING CENTER, CHANDAKA, BHUBANESWAR ON  
30.03.2009 (MONDAY) AT 11.30 HOURS**

**ITEM NO: 1 Confirmation of the minutes of the 54<sup>th</sup> Operational Coordination Meeting held at, PTC, CHANDAKA, OPTCL, Bhubaneswar on 28.02.09.**

The minutes were circulated vide letter No. SGM (PS)-PI-15/2007(Vol.-V)-425<sup>(25)</sup>. Dated 19.03.2009. 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.*

**ITEM NO: 2 REVIEW OF GRID PERFORMANCE FOR FEBRUARY'09.**

**(A) Frequency:**

**Hourly frequency variation for the month of January'09 & February'09**

Month	% of time frequency remained				
	<48.00	48.0-49.0	49.0-50.5	50.5-51.0	>51
Jan-09	0.00	1.26	<b>98.57</b>	0.17	0.00
Feb-09	0.00	2.54	<b>97.34</b>	0.12	0.00
Feb-08*	0.00	15.86	<b>84.14</b>	0.00	0.00

**Maximum & Minimum frequency during the month of January'09 & February'09**

Month	Freq (Hz)	Date	Time
Jan-09	Maximum – 50.66	02.01.2009	4:02 Hrs
	Minimum – 48.81	09.01.2009	21:18 Hrs
Feb-09	Maximum – 50.75	11.02.2009	4:07 Hrs
	Minimum – 48.67	24.02.2009	00:03 Hrs
Feb-08*	Maximum – 50.27	28.02.2008	14:01 Hrs
	Minimum – 48.67	16.02.2008	9:10 Hrs

The details of frequency profile for the month of **February'09** are enclosed as **Annexure-I**.

**(B) Grid Demand for the month of January'09 & February'09**

Month	Demand	Maximum Consumption		Maximum Demand			Minimum Demand		
	MU	MU	Date	MW	Date	Time	MW	Date	Time
Jan-09	1649	56.78	30.01.09	2885	19.01.09	19:00	1581	16.01.09	15:00
Feb-09	1532	56.91	24.02.09	2907	20.02.09	19:00	1601	16.02.09	14:00
Feb-08*	1494	53.14	19.02.08	2751	06.02.08	20:00	1610	10.02.08	04:00

The Hourly average demand on daily basis for the month of **February'09** is enclosed as **Annexure-II**. Members may please discuss.

*\*\*The grid demand is calculated from the generation-exchange figures basing on instantaneous meter readings at STPS-TTPS, STPS-Duburi, STPS-Rengali & Indravati Generation and average meter reading of the rest.*

**(C) Voltage Profile of 220 KV Buses in OPTCL system for the month of February '09**

S/s Name	Maximum (KV)	Minimum (KV)	S/s Name	Maximum (KV)	Minimum (KV)
Jayanagar	249	226	Budhipadar	230	219
Theruvalli	243	218	Duburi	235	220
Bhanjanagar	231	200	Balasore	226	200
Chandaka	226	175	Meramundali	226	221
Narendrapur	251	208	Bidanasi	230	206
Joda	228	210	Katapalli	223	210
Tarkera	227	220	Nayagarh	235	194
Bhadrak	225	190			

**(D) Energy Generation / Import during the month of February'09**

Source of Power	Energy (MU)
Thermal (TTPS+IB)	580.20
OHPC Stations including Machhkund share	384.97
CGP Support	175.72
ISGS drawal	486.10

**(E) DISCO Drawal during the month of February '09**

Name of DISCO	Energy Prorated up to Feb'09 in MU	Actual Energy Drawal up to Feb'09 in MU	Difference (MU) (Actual Vs. Prorated)
CESU	4858.334	5134.293	-275.959
NESCO	4271.666	4131.499	140.167
WESCO	5206.666	5779.281	-572.615
SOUTHCO	1815.000	1978.061	-163.061

*\*The above figures are as per EBC data and Pool Cost data.*

*Energy drawal by SOUTHCO are excluding of energy consumed by NALCO, Damanjodi and IMFA, Theruvalli*

**(F) Major Events in the month of February'09.**

There is no major event recorded during the month.

**(G) Under Frequency Relay operation in OPTCL System during the month of February'09.**

There is no UF Relay operation occurred during the month of February'09.

It was decided in the meeting held between CGM (O&M) and Sr. G.M (PS) that after reviewing the power flow through different feeders a decision will be taken for installation of df/dt relay in OPTCL system.

*C.G.M.(O&M) may please deliberate the present status.*

**(H) Important Grid Incidences during the month of February'09**

The important Grid incidents occurred during the month of February'09 is annexed as Annexure-III.

*Members may please discuss.*

**(I) Outage of major transmission Lines/ Elements during the month of February'09**

Sl No.	Lines/Elements under Outage	Date & Time of Outage	Date & Time of Restoration	Reason
1	132kV Balasore-Jaleswar Ckt.	05.02.09/ 07:29	05.02.09/ 12:12	'B' ph insulator damaged at Loc No.- 82 at Balasore.
2	132kV Balasore-Jaleswar Ckt.	06.02.09/ 05:33	06.02.09/ 10:25	'R' ph insulator damaged at Loc No.- 74 at Balasore.
3	132kV Balasore-Jaleswar Ckt.	25.02.09/ 03:21	25.02.09/ 09:26	'Y' ph insulator damaged at Loc No.- 81 at Balasore.
4	132kV Chhatrapur -Ganjam	25.02.09/ 07:50	25.02.09/ 17:00	'B' ph insulator damaged at Loc No.- 10 at Ganjam.

From the above data it is noticed that, frequent failure of insulators occurred in 132 kV Balasore-Jaleswar line.

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

**ITEM NO: 3 Drawal of Machhakund Power**

The hourly drawal of Machhakund power during the month of February'09 is annexed herewith as Annexure-IV. The average drawal during February 2009 was 22 MW. Present drawal from Machhkund is to the tune of 22 MW in average. At present only three nos. of Machhakund units are available in the bus, generating 57 MW. Since Machhakund authority are not allowing to draw more power during peak hours, the daily average drawal is being reduced.

As reported by Gridco Ltd, the following decisions was taken in the meeting held on 17.03.2008 between APGENCO, OHPC,OPTCL, SLDC and Gridco

- a) RMU of Machhakund H.E.Project.
- b) Payment of capital cost by Gridco to wards 20 % extra share.
- c) Funding of R,M & U
- d) Compensation of back log drawal during FY 2009.
- e) Furnishing of day ahead availability to SLDC by Machhakund HEP
- f) Participation in the monthly PSOC meeting of OPTCL

***Sr. G.M (PP), Gridco may deliberate***

It was also decided in the last meeting that the Machhkund drawal data at ULDC Control room can be displayed by accessing PT secondary terminal of Machhkund feeder at Jayanagar. Due to burning of RTU, generation data of Machhakund units are not being displaying in the control room. New RTU need to be installed at Machhakund.

***G.M (Telecom) may please deliberate the status.***

**ITEM NO: 4 Review of Outage Program of State Generators / Transmission elements for the month of March & April'09:**

Outage programme of EHT lines and S/S for the year 2008-09 has already been finalized and being implemented.

Tentative Outage programme for State Generators for March & April'09 are as follows:

Sl.	Station	Unit	March'09		April'09	
1	Chiplima	# 3	04.11.06 to continue	Abnormal sound in turbine	04.11.06 to continue	Abnormal sound in turbine
2	Burla	# 7 # 1	03.02.09 to 05.03.09 -	Annual Maintenance -	03.02.09 to 05.03.09 09.03.09 to 08.04.09	Annual Maintenance Annual Maintenance
3	Rengali	# 1 #2	18.08.08 to Continue 15.01.09 to Continue	Winding Problem Annual Maintenance	18.08.08 to Continue 15.01.09 to Continue	Winding Problem Annual Maintenance
4	U.Kolab	# 3	09.01.09 to 20.02.09	Annual Maintenance	-	-
5	U. Indravati	# 2	-	-	02.04.09 to 30.04.09	Annual Maintenance
6	Balimela	-	-	-	-	-

Representative from OHPC is requested to give a deliberation on the outage programme.

**ITEM NO: 5 Generation Program for the month of March & April'09.**

Generation schedule for the month of March & April'09 furnished by OHPC are given below.

Name of Hydro Gen. Station	Generation Programme (MW)		Reservoir Level as on 01.02.09	Reservoir Level as on 01.03.09	MDDL	High Flood Reservoir Level
	March'09	April'09				
HPS, Burla	25+15	25+15	617.21 ft	612.67ft	590 ft.	630 ft.
U.Indravati	245	255	634.86 mtr	632.70mtr	625mtr	642 mtr
Balimela	80	70	1462.60 ft	1455.60ft	1440 ft.	1516 ft.
U.Kolab	80	80	850.93 mtr	850.03mtr	844 mtr	858 mtr.
Rengali	30	25	117.47 mtr	116.09mtr	109.2mtr	123.5 mtr.
MKD (O/D)	25	30	2739.15 ft	2732.65ft	2685 ft.	2750 ft.
<b>TOTAL</b>	<b>500</b>	<b>500</b>				

**ITEM NO: 6 Progress & Program of completion of WB and ADB funding / Deposit work / OPTCL's own funding Lines & Substations.**

- ❖ Charging of 220kV Indravati-Theruvali Ckt.-IV.- Installation of CT
- ❖ 132kV Burla-Sambalpur LILO at Katapalli.
- ❖ Commissioning of 220/132 kV Bolangir S/S 220 kV Katapali –Bolangir line.
- ❖ Commissioning of 220/132 kV Auto at Paredeep Grid S/s.

**CGM (Construction), OHPC may please deliberate the status**

**ITEM NO:7 Communication issues****(I) Integration of NALCO & RSP CGPs with OPTCL –Present status May be intimated.**

In the last meeting it was decided that NALCO may be instructed to return the RTU within seven days.

*G.M (Telecom) may please deliberate the status.*

Installation of RTU and associated equipments for RSP

*G.M (Telecom) may please deliberate the present status*

**(II) Installation of communication equipment by CGPs/ Industries.**

As stated by A.G.M (Telecom), in the last meeting, the status of installation of SCADA/PLCC equipments of some of the major CGPs is as follows.

Sl. No	Name of CGP	Status of procurement of RTU and equipments
1	M/S BSSL, Meramunduli	All equipments commissioned. Datat is not displaying due to problem in digital system. Breaker status is yet to come.
2	M/S VAL, Jharsuguda Ckt-II	Wrong data displaying.
3	M/S Hind Metals, Meramunduli	ABB engineers to rectify the problem.
4	M/s Bhushan Power & Steel Ltd, Jharsuguda	RTUs procured by Bhusan are not compatible to our system. They need to be replaced.
5	M/S EMAMI	Already commissioned, but still under observation.

*G.M (Telecom) may please deliberate the present status*

**(III) Non- displaying of data of the transmission elements / generating units.**

As discussed in the last meeting the status of the transmission elements for which the data is not being displayed in the SLDC control room is as indicated below.

Sl. No	Name of transmission element	Action taken / present status
1	220/132 kV Auto –IV at Tarkera	This is a new work and is not covered under ULDC project. However procurement of transducers is under process.
2	In correct data at Bidanasi Auto-I & II	AREVA representative had visited twice the site but could no able to trace the problem
3	Auto-I & II at 220kV Bhadrak Grid substation	Wiring of RTUs is under process.
4	Chandaka Auto-IV	Data is not displaying.
5	Balimela # 7 & # 8	Not yet integrated
6	Rengali PH	Generation of Rengali units is not displaying
<b>Future Requirements</b>		
5	Paradeep Auto-I (100MVA) & II (50MVA)	

*G.M (Telecom) may please deliberate the present status of the above.*

**(IV) Communication failure to Indravati PH**

Communication to Indravati PH from SLDC as well as from Theruvali S/S is not functioning through Puncom since more than a month. The above matter has been intimated to G.M (Telecom) by the SCE of SLDC. Immediate action may be taken for restoration of communication to Indravati PH.

*G.M (Telecom) may please deliberate on the above issue.*

**(V) Display of DISCOM Drawal Data at SLDC Control Room:**

In the last meeting G.M (Telecom) stated that at present 66 points have been integrated. For display of all data, 95 more points are required to be integrated.

Since Intra state ABT is under the verge of implementation, it is highly essential to monitor the real time drawal of Discoms.

*G.M (Telecom) may please deliberate the action taken in this regard.*

**ITEM NO:8 IT Related Issues:**

**(A) MIS Report of EBC Data**

Although the access to the EBC database has been provided to SLDC by IT, it is noticed that most of the times the access is being denied due to outage or other reasons. However it was requested to provide the required data in excel format to enable for preparation of various reports. This issue need to be examined.

**(B) Maintenance of SLDC Website**

It was decided and agreed by AGM (IT) in the last meeting to hold a meeting with SLDC for discussion of various issues regarding maintenance of SLDC website. It is once again suggested to identify an executive from SLDC as the web administer in place of IT executive, since it is required to host data in the web site on real time basis. As per the guide line issued by CGM (IT), the web administrator of IT wing shall require minimum three days time for hosting data in the SLDC web site.

*C.G.M (IT) may please deliberate.*

**ITEM NO:9 Members may raise issues if any:**

**ITEM NO:10 Date and Venue of the next (56<sup>th</sup>) PSOC meeting:**

The members may decide the Venue and date of the 56<sup>th</sup> Power System Operational Co-ordination meeting.



# ORISSA POWER TRANSMISSION CORPORATION LTD.

OFFICE OF THE Sr. GENERAL MANAGER (POWER SYSTEM)

GRIDCO Colony, P.O.- Mancheswar Rly. Colony, Bhubaneswar-17, FAX-0674- 2748509

No.-SGM (PS)-PL-15/2007(VOL .-V)/\_\_\_\_\_

Dated : 25.03.2009

From:

Sr. G.M (Power System)  
OPTCL, Bhubaneswar.

To:

The Director (Commercial), Gridco, Bhubaneswar	The Director (Engineering), OPTCL, Bhubaneswar	The Director (Operation), OHPC, Bhubaneswar
The CGM (O & M), OPTCL, Bhubaneswar	The CGM (Const.), OPTCL, Bhubaneswar	The CGM (IT), OPTCL, Bhubaneswar
The Sr. G.M (C.P), OPTCL, Bhubaneswar	The Sr. G.M (TP), OPTCL, Bhubaneswar	The Sr. G.M., (R&T), OPTCL, Bhubaneswar
The Sr. G.M. (CPC), OPTCL, Bhubaneswar	The Sr. G.M (PP), GRIDCO, Bhubaneswar	The G.M. (Telecom) OPTCL, Bhubaneswar
The Vice President (O), ICCL, Choudwar	The D.G.M (Electrical), IbTPS, OPGC, Banharpali	The G.M. (O &M), CPP, NALCO, Angul
The DGM (O & M), NTPC (TTPS), Talcher	The D.G.M, HINDALCO, Hirakud	The D.G.M (Power Distribution), RSP, Rourkela
The Member Secy., (GCC), 3 <sup>rd</sup> Floor Bidyut Bhaban, OPTCL	The C.E.O., SOUTHCO, Berhampur	The C.E.O., CESU, Bhubaneswar
The C.E.O., NESCO, Balasore	The C.E.O., WESCO, Burla	The S.E, Machhakund

**Sub: 55<sup>th</sup> Power System Operational Co-ordination meeting is scheduled to be held at PTC, Chandaka.**

Sir,

The 55<sup>th</sup> Power System Operational Coordination meeting is scheduled to be held at **11:30 A.M. on 30.03.09 (Monday)** at PTC, Chandaka, Bhubaneswar. You are requested to make it convenient to attend the meeting. The agenda items of the meeting may be seen from SLDC website "sldcorissa.org.in".

Yours faithfully,

Sr. G.M.(Power System )

No. \_\_\_\_\_

Dated \_\_\_\_\_

Copy forwarded to the AGM (HRD) in charge of Power Training Center, Chandaka to spare a hall for the meeting / Asst to Sr. G.M (PS) for information. He is requested to make necessary arrangement for the above meeting.

Sr. G.M.(Power System )

No. \_\_\_\_\_

Dated \_\_\_\_\_

Copy forwarded to Mr. G.Adishesu, Director (Hydro), APGENCO Ltd., Vidyut Soudha, Hyderabad-500082, Andhrapradesh. FAX- 040-23499398/39839398. He is requested to send his representative for participating in the meeting.

Sr. G.M.(Power System )

No. \_\_\_\_\_

Dated \_\_\_\_\_

Copy forwarded to the Executive Assistant to CM.D, OPTCL for kind information of CM.D.

Sr. G.M.(Power System )