

Orissa Power Transmission Corporation Ltd.  
Bhubaneswar.



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

Date: 28.02.2009

Venue: OPTCL Power Training Center, Chandaka, Bhubaneswar

**AGENDA FOR THE 54<sup>th</sup> POWER SYSTEM OPERATIONAL CO-ORDINATION MEETING  
TO BE HELD AT OPTCL POWER TRAINING CENTER, CHANDAKA, BHUBANESWAR ON  
28.02.2009 (SATURDAY) AT 11.30 HOURS**

**ITEM NO: 1 Confirmation of the minutes of the 53<sup>rd</sup> Operational Coordination Meeting held at, PTC, CHANDAKA, OPTCL, Bhubaneswar on 20.01.09.**

The minutes were circulated vide letter No. SGM (PS)-PI-15/2007(Vol.-V)-206<sup>(25)</sup>. Dated 07.02.2009. 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 JANUARY'09.**

**(A) Frequency:**

**Hourly frequency variation for the month of December'08 & January'09**

Month	% of time frequency remained				
	<48.00	48.0-49.0	49.0-50.5	50.5-51.0	>51
Dec-08	0.00	0.36	<b>99.50</b>	0.14	0.00
Jan-09	0.00	1.29	<b>98.53</b>	0.18	0.00
Jan-08*	0.00	20.39	<b>79.61</b>	0.00	0.00

**Maximum & Minimum frequency during the month of December'08 & January'09**

Month	Freq (Hz)	Date	Time
Dec-08	Maximum – 50.65	18.12.2008	3:17 Hrs
	Minimum – 48.84	03.12.2008	10:14 Hrs
Jan-09	Maximum – 50.65	02.01.2009	4:02 Hrs
	Minimum – 48.84	09.01.2009	21:18 Hrs
Jan-08*	Maximum – 50.37	27.01.2008	1:32 Hrs
	Minimum – 48.58	04.01.2008	6:25 Hrs

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

**(B) Grid Demand for the month of December'08 & January'09**

Month	Maximum Consumption		Maximum Demand			Minimum Demand		
	MU	Date	MW	Date	Time	MW	Date	Time
Dec-08	55.24	20.11.08	2940	26.12.08	19:00	1573	13.12.08	04:00
Jan-09	56.78	30.01.09	2885	19.01.09	19:00	1581	16.01.09	15:00
Jan-08*	52.79	21.01.08	2764	21.01.08	19:00	1440	26.01.08	03:00

The Hourly average demand on daily basis for the month of **January'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 Important Substations in OPTCL system for the month of January'09**

S/s Name	Maximum (KV)	Minimum (KV)	S/s Name	Maximum (KV)	Minimum (KV)
Jayanagar	259	228	Budhipadar	229	221
Theruvalli	249	220	Duburi	240	220
Bhanjanagar	234	207	Balasore	230	198
Chandaka	230	<b>185</b>	Meramundali	424	406
Narendrapur	<b>260</b>	200	Bidanasi	233	205
Joda	230	215	Katapalli	225	214
Tarkera	227	220	Nayagarh	239	204

**(D) Energy Generation During The month of January'09**

Source of Power	Energy (MU)
Thermal (TTPS+IB)	645.857
OHPC Stations and Machhkund	413.850
CGP Support	184.657
ISGS Share	512.058

**(E) DISCO Drawal During The month of January'09**

Name of DISCO	Energy Prorated upto Jan'09 in MU	Actual Energy Drawal upto Jan'09 in MU	Difference (MU) (Actual Vs. Prorated)
CESU	4416.667	4684.092	-267.425
NESCO	3883.333	3762.823	120.51
WESCO	4733.333	5287.181	-553.848
SOUTHCO	1650.000	1800.664	-150.664

*\*The above figures 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 January'09.**

09.01.09- At 14:03 hrs, 4<sup>th</sup> 135 MW unit of M/S Vedanta Aluminium Ltd, Jharsuguda was synchronized with OPTCL system through 220kV D.C. feeder at Budhipadar Grid

09.01.09- At 17:20 hrs 1<sup>st</sup> 25 MW unit of M/S Visa Steel Ltd. was synchronised with OPTCL system through 400/220kV Grid S/s, New Duburi.

23.01.09- At 13:10 hrs, 75MW Unit-VIII of Balimela Extension Project was declared commercially operated.

24.01.09- At 17:42 hrs, M/S Meenakhi feeder connected with Machhkund Bus was charged from Jayanagr end.

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

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

It was decided in the last meeting that, a meeting is to be held between Director (Engg.), CGM (O&M) & Sr.G.M.(PS) to discuss the issue regarding installation of df/dt relays at different location of OPTCL System.

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

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

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

*Members may please discuss.*

**(I) Major Transmission Lines/ Elements Outage during the month of January'09**

Sl No.	Lines/Elements under Outage	Date & Time of Outage	Date & Time of Restoration	Reason
1	132kV Balasore-Jaleswar Ckt.	01.01.09/ 01:42	01.01.09/ 11:37	'R' Insulator damaged at Loc No.-87.
2	132kV Cuttack-Jagatsingpur	08.01.09/ 5:33	08.01.09/ 13:40	'R' Insulator damaged at Loc No.-89.
3	132 kV Katapalli- Bolangir Ckt.	15.01.09/ 22:29	16.01.09/ 13:55	At Loc. No-25 conductor was cut by miscreants between Loc. No-15 and 16.
4	132kV Balasore-Baripada PG	25.01.09/ 3:59	25.01.09/ 15:04	'B' Insulator damaged at Loc No.-14
5	132kV Maheswari-Dhenkanal	26.01.09/ 3:55	27.01.09/ 16:49	'B' Insulator damaged at Loc No.-188 & 184
6	132kV Balasore-Jaleswar Ckt.	28.01.09/ 1:02	28.01.09/ 9:55	'B' Insulator damaged at Loc No.-89.

**(J) Important Grid Incidences during the month of January'09**

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

*Members may please discuss.*

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

The hourly drawal of Machhakund power during the month of January'09 is annexed herewith as Annexure-IV. The average drawal during January 2009 was 26 MW. The present drawal from Machhkund is to the tune of 22 MW in average. At present only three nos. of Machhakund units are available at the bus generating 57 MW.

It was decided that in the last meeting OHPC shall pursue Machhkund authority to install the breaker (which was handed over to them by OPTCL) in the railway feeder,.

*OHPC may please deliberate the status.*

It was also decided that installation of CVT at Jayanagar S/s will be completed in consultation with AERVA before next meeting for displaying the Machhkund drawal data at ULDC Control room.

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

A meeting with representative of APGENCO, Gridco, OHPC and SLDC was held on 17.02.2009 at OPTCL conference hall to discuss various issues relating the Machhakund Renovation. The other issues such as installation of breaker in the Rly Feeder, drawal of Gridco share (Recovery of previous less drawal)

**Sr. G.M (PP) may deliberate on the issue.**

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

Sl.	Station	Unit	February'09		March'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	03.02.09 to 05.03.09	Annual Maintenance	03.02.09 to 05.03.09	Annual Maintenance
3	Rengali	# 1	18.08.08 to Continue	Winding Problem	18.08.08 to Continue	Winding Problem
		#2	15.01.09 to 13.02.09	Annual Maintenance	-	-
4	U.Kolab	# 3	09.01.09 to 20.02.09	Annual Maintenance	-	-
5	U. Indravati	-	-	-	-	-
6	Balimela	-	-	-	-	-

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

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

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

Name of Hydro Gen. Station	Generation Programme (MW)		Reservoir Level as on 01.01.09	Reservoir Level as on 01.02.09	MDDL	High Flood Reservoir Level
	Feb'09	March'09				
HPS, Burla	25+15	25+15	622.15 ft	617.21 ft	590 ft.	630 ft.
U.Indravati	295	280	636.78 mtr	634.86 mtr	625	642 mtr
Balimela	40	40	1471.80 ft	1462.60 ft	1440 ft.	1516 ft.
U.Kolab	50	80	851.69 mtr	850.93 mtr	844	858 mtr.
Rengali	45	30	119.22 mtr	117.47 mtr	109.2	123.5 mtr.
MKD (O/D)	30	30	2742.20 ft	2739.15 ft	2685 ft.	2750 ft.
<b>TOTAL</b>	<b>500</b>	<b>530</b>				

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

- ❖ 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

*CGM (Construction) may please deliberate the status*

**ITEM NO:7 Communication issues**

**(I) Integration of NALCO & RSP CGPs with OPTCL –Present status May be intimated.**

The consent of NALCO regarding payment of cost for the RTU already installed may be deliberated by **G.M (Telecom)** as per the decision in the last meeting.

Installation of RTU and associated equipments for RSP – Present status may be deliberated by **G.M (Telecom)**.

**(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	Wrong data displaying. ABB engineer has already arrived. It is now under observation.
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*

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 are 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. Telecom will go to AREVA to request for sending a experienced executive.
3	Auto-I & II at 220kV Bhadrak Grid substation	Wiring of RTUs is under process.
<b>Future Requirements</b>		
4	Chandaka Auto-IV	
5	Paradeep Auto-I (100MVA) & II (50MVA)	

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

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

The real time drawal data of distribution companies are yet to be displayed at the SLDC control room.

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

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

○ **Functioning of EBC Software:**

As discussed in the last meeting, Sr.G.M (PS) has been provided access to the database developed by IT wing. SLDC can access download the required data from the database. However the above is under scrutiny by SLDC.

○ **Maintenance of SLDC website.**

CGM (IT) has intimated all the utilities to send materials to be hosted in their web site, 3 days in advance of the date of publication. A hard copy of the document has to be sent along with a confirmation letter to IT department. Since, some of the materials / documents such as Open Access transactions are being finalized on daily basis, hardly before 6 hours of commencement of schedule ie 00:00 hrs, it is not possible to follow the practice specified by IT. It may be examined to allow SLDC executive (contact person for web site) to contact directly with web developer in such cases without involving the web administrator designated by IT.

**C.G.M (IT), OPTCL may please take necessary action.**

***ITEM NO:8* OTHERS:**

**Induction of new members:**

The house may examine to include representatives of CGPs with more than 100MW installed capacity as member of the PSOC meeting apart from the present CGP members.

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

***ITEM NO:10* Date and Venue of the next (55<sup>th</sup>) PSOC meeting:**

The members may decide the Venue and date of the 55<sup>th</sup> Power System Operational Co-ordination meeting.