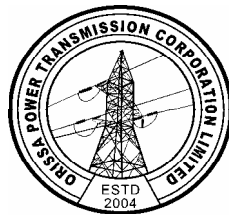


Orissa Power Transmission Corporation Ltd.  
Bhubaneswar.



*Agenda  
for  
52<sup>nd</sup> Power System Operational  
Coordination Meeting*

**Date:** 26.12.2008

**Venue:** OPTCL Power Training Center, Chandaka, Bhubaneswar

**AGENDA FOR THE 52<sup>nd</sup> POWER SYSTEM OPERATIONAL CO-ORDINATION MEETING  
TO BE HELD AT OPTCL POWER TRAINING CENTER, CHANDAKA, BHUBANESWAR ON  
26.12.2008 (FRIDAY) AT 11.30 HOURS**

**ITEM NO: 1 Confirmation of the minutes of the 52<sup>nd</sup> Operational Coordination Meeting held at, PTC, CHANDAKA, OPTCL, Bhubaneswar on 26.12.2008.**

The minutes were circulated vide letter No. SGM (PS)-PI-15/2007(Vol.-V)-2096<sup>(25)</sup>. Dated 28.11.2008. 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 NOVEMBER'08.**

**(A) Frequency:**

**Hourly frequency variation for the month of October & November'08**

| Month   | % of time frequency remained |             |              |             |             |
|---------|------------------------------|-------------|--------------|-------------|-------------|
|         | <48.00                       | 48.0-49.0   | 49.0-50.5    | 50.5-51.0   | >51         |
| Oct-08  | 0.00                         | 7.2         | 92.71        | 0.09        | 0.00        |
| Nov-08  | <b>0.00</b>                  | <b>0.61</b> | <b>99.38</b> | <b>0.01</b> | <b>0.00</b> |
| Nov-07* | 0.00                         | 12.25       | 87.75        | 0.00        | 0.00        |

**Maximum & Minimum frequency during the month of October & November'08**

| Month  | Freq (Hz)       | Date       | Time      |
|--------|-----------------|------------|-----------|
| Oct-08 | Maximum – 50.71 | 28.10.2008 | 15:08 Hrs |
|        | Minimum – 48.66 | 04.10.2008 | 23:03 Hrs |
| Nov-08 | Maximum – 50.58 | 24.11.2008 | 5:07 Hrs  |
|        | Minimum – 48.82 | 12.11.2008 | 3:18 Hrs  |

The details of frequency profile for the month of **November'08** are enclosed as **Annexure-I**.

**(B) Grid Demand for the month of October & November'08**

| Month  | Maximum Consumption |          | Maximum Demand |          |       | Minimum Demand |          |       |
|--------|---------------------|----------|----------------|----------|-------|----------------|----------|-------|
|        | MU                  | Date     | MW             | Date     | Time  | MW             | Date     | Time  |
| Oct-08 | 59.10               | 16.10.08 | 2976           | 11.10.08 | 19:00 | 1660           | 27.10.08 | 03:00 |
| Nov-08 | 55.20               | 20.11.08 | 2901           | 10.11.08 | 19:00 | 1475           | 04.11.08 | 14:00 |

The Hourly average demand on daily basis for the month of **November'08** 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 November'08**

| S/s Name    | Maximum (KV) | Minimum (KV) | S/s Name    | Maximum (KV) | Minimum (KV) |
|-------------|--------------|--------------|-------------|--------------|--------------|
| Jayanagar   | 251          | 231          | Budhipadar  | 231          | 221          |
| Theruvalli  | 247          | 224          | Duburi      | 240          | 215          |
| Bhanjanagar | 235          | 214          | Balasore    | 232          | 210          |
| Chandaka    | 234          | 210          | Meramundali | 226          | 210          |
| Narendrapur | <b>262</b>   | 214          | Bidanasi    | 235          | 209          |
| Joda        | 245          | 215          | Katapalli   | 225          | <b>207</b>   |
| Tarkera     | 230          | 222          | Nayagarh    | 238          | 215          |

**(D) Major Events in the month of November'08.**

11.11.08- At 4:10 hrs, 3<sup>rd</sup> 135 MW unit of M/S Vedanta Aluminium Ltd, Jharsuguda was synchronized with OPTCL system.

12.11.08- At 13:20 hrs, 132kV S/C line on 220kV DC Tower from 220/132kV Grid S/s Tarkera to MSDS-III of RSP, Rourkela was charged.

15.11.08- At 17:40 hrs, LILIO line of 132kV TTPS-Duburi Ckt.-II at Sukinda (Loc. No.267) and 132kV JFAL switching station were energized.

21.11.08- At 12:30 hrs, 132kV S/C line on 220kV DC Tower from 220/132kV Grid S/s Tarkera to MSDS-III feeder was synchronized at RSP end.

**(E) Under Frequency Relay operation in OPTCL System during the month of November'08.**

There is no UF Relay operation occurred during the month of November'08.

In the last meeting, CGM (O&M) stated that the defective under frequency relays at Bargarh Grid Substation will be replaced within 10 days.

The status of UF Relay at Bargarh may please be deliberated.

Installation of df/dt relay in OPTCL system may be expedited.

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

**(F) Important Grid Incidences during the month of November'08**

The important Grid incidents occurred during the month of November'08 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 November'08 is annexed herewith as Annexure-IV. The present drawal from Machhkund is to the tune of 14 MW (only Sunabeda feeder). At present only two nos. of Machhakund units are available at the bus generating 34 MW. The present drawal is to the tune of 17 MW.

As discussed in the last meeting, it was decided that GRIDCO shall move a proposal for drawal of 50% share of power on annual basis.

Sr.G.M.(PP) is requested to intimate the status for incorporation of the said proposal in the revised PPA.

It was decided in the last meeting that Machhkund power shall be availed through breaker arrangement at Jayanagar Grid S/s instead of isolator arrangement. The present arrangement of availing Machhkund power at Jayanagr S/s please may be intimated.

It was decided in the last meeting that G.M (Telecom) shall move the proposal for procurement of new PT/CVT for Jayanagr S/s to monitor Machhkund drawal. The present status may be intimated.

***CGM (O&M), Sr. G.M (PP) ,G.M.(Telecom) may deliberate on the above issues related to their respective organizations.***

**ITEM NO: 4 Review of Outage Program of State Generators / Transmission elements for the month of December'08 & January'09:**

Outage programme of EHT lines and S/S for the year 2008-09 has already been finalized and notified in news paper.

Tentative Outage programme for State Generators for December'08 & January'09 are as follows:

| Sl. | Station      | Unit | December'08          |                           | January'09           |                           |
|-----|--------------|------|----------------------|---------------------------|----------------------|---------------------------|
| 1   | Chiplima     | # 3  | 04.11.06 to continue | Abnormal sound in turbine | 04.11.06 to continue | Abnormal sound in turbine |
| 2   | Burla        | # 2  | 04.12.08 to 04.01.09 | Annual Maintenance        | 04.12.08 to 04.01.09 | Annual Maintenance        |
| 3   | Rengali      | # 1  | 18.08.08 to Continue | Rotor Problem             | 18.08.08 to Continue | Winding Problem           |
|     |              | # 2  | 27.11.08 to 09.12.08 | Rotor earth fault         | -                    | -                         |
|     |              | # 3  | 10.12.08 to 10.01.09 | Annual Maintenance        | 10.12.08 to 10.01.09 | Annual Maintenance        |
| 4   | U.Kolab      | # 5  | -                    | -                         | 05.01.09 to 04.02.09 | Annual Maintenance        |
| 5   | U. Indravati | # 1  | 18.11.08 to 18.12.08 | Annual Maintenance        | -                    | -                         |
|     |              | # 3  | 22.12.08 to 21.01.09 | Annual Maintenance        | 22.12.08 to 21.01.09 | Annual Maintenance        |

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

**ITEM NO: 5 Generation Program for the month of December'08 & January'09.**

Generation schedule for the month of December'08 & January'09 furnished by OHPC are given below.

| Name of Hydro Gen. Station | Generation Programme (MW) |            | Reservoir Level as on 01.11.08 | Reservoir Level as on 01.12.08 | MDDL     | High Flood Reservoir Level |
|----------------------------|---------------------------|------------|--------------------------------|--------------------------------|----------|----------------------------|
|                            | Dec'08                    | Jan'09     |                                |                                |          |                            |
| HPS, Burla                 | 35+0                      | 50+20      | 626.77 ft                      | 624.91 ft                      | 590 ft.  | 630 ft.                    |
| U.Indravati                | 130                       | 250        | 639.72 mtr                     | 638.03 mtr                     | 625      | 642 mtr                    |
| Balimela                   | 95                        | 60         | 1479.60 ft                     | 1477.10 ft                     | 1440 ft. | 1516 ft.                   |
| U.Kolab                    | 40                        | 80         | 852.88 mtr                     | 852.23 mtr                     | 844      | 858 mtr.                   |
| Rengali                    | 50                        | 60         | 122.05 mtr                     | 120.39 mtr                     | 109.2    | 123.5 mtr.                 |
| MKD (O/D)                  | 20                        | 20         | 2744.45 ft                     | 2742.80 ft                     | 2685 ft. | 2750 ft.                   |
| <b>TOTAL</b>               | <b>370</b>                | <b>540</b> |                                |                                |          |                            |

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

- ❖ 220 kV Duburi-Paradeep line & Paradeep S/S.
- ❖ Charging of 220kV Indravati – Theruvali 4<sup>th</sup> Ckt.
- ❖ 132kV Burla-Sambalpur LILO at Katapalli.
- ❖ 220/132 kV Bolangir S/S and Katapali –Bolangir line.

In the last meeting it was deliberated that

- 220 kV Duburi-Paradeep line has been completed and under anti-theft charging. On receipt of the Auto Paradeep S/S will be charged.
- 220 kV Indravati-Theruvali 4<sup>th</sup> Ckt is expected to be charged by 5<sup>th</sup> of November 2008.
- Burla-Sambalpur LILO at Katapali work will be expected to be completed by February'09.
- 220 kV Katapalli-Bolangir line is expected to be completed by June 2009.

*Sr. G.M. (TP) and representative of OHPC May please deliberate the present status of their respective items.*

**ITEM NO:7 Communication issues**

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

In the last meeting it was deliberated that NALCO shall place a proposal for retaining the existing RTU at NALCO on payment of its cost. The present status may be intimated

*NALCO, G.M (Telecom) may please deliberate the latest status on the above matters.*

**(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                     | Already procured. Yet to be commissioned                      |
| 2      | M/S VAL, Jharsuguda                       | Already procured. Commissioned after arrival of ABB engineers |
| 3      | M/S Hind Metals, Meramunduli              | Already procured. Yet to be commissioned                      |
| 4      | M/s Bhushan Power & Steel Ltd, Jharsuguda | Not yet procured  |

The status of the transmission elements for which the data is not being displayed in the SLDC control room.

| Sl. No | Name of transmission element            | Action taken / present status  |
|--------|---|--|
| 1      | 400 kV Indravati-Indravati PG           | The meter is not indicating correct data at Indravati end. OHPC representative stated to give in writing for necessary action. G.M (Telcom) agreed to do so. |
| 2      | 220/132 kV Auto –IV at Tarkera          | Action has been taken  |
| 3      | In correct data at Bidanasi Auto-I & II | AREVA representative had visited the site but could no able to trace the problem   |
| 4      | Incorrect data at Theruvali Auto I & II | A representative have not yet visited the site   |
| 5      | 220kV Bhadrak Grid substation           | The existing RTU to be upgraded to collect 220kV data.   |
| 6      | 220kV Balimela-Jayanagar Ckt.-II        | Incorrect data.  |

*As discussed in the last meeting the action taken/ correspondance with AREVA to rectify the above may be intimated.*

As decided in the last meeting, action taken for placing proposal for procurement of 5no.s of RTU to be kept as standby at some of the critical exchange points may be intimated.

It was suggested by Sr.G.M.(PS) to make necessary arrangement for displaying of DISCOM data in control room VP screen.

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

**ITEM NO:8 Functioning of EBC Software:**

The actual drawal data at the interconnection point from the newly installed softwatre is yet to be received by SLDC.

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 (53<sup>rd</sup>) PSOC meeting:**

The members May decide the Venue and date of the 53<sup>rd</sup> Power System Operational Co-ordination meeting