

MINUTES OF DISCUSSION IN 55th POWER SYSTEM OPERATIONAL COORDINATION MEETING HELD AT 11.30 HRS. ON 30.03.2009 AT OPTCL POWER TRAINING CENTRE CHANDAKA, BHUBANESWAR

List of participants enclosed at Annexure-A

No representative from TTPS, NALCO, OPGC, RSP, HINDALCO and Machhakund PH has attended the meeting.

The meeting was chaired by Director (Engineering), OPTCL.

Director (Engineering), OPTCL welcomed all the participants to the 55th Power System Operational Co-ordination meeting.

Sr. G.M (PS) gave a brief overview of system performance such as Voltage & Frequency profile, State maximum & minimum system demand, important events in OPTCL system and major incidents occurred in OPTCL system during the month of February 2009.

Sr. G.M(PS) stated in his briefing that some of the members are not attending the meeting. Since important operational issues are being taken up for discussion in the meeting, in absence of the concerned representatives the issues are being left without discussion. However all the members are requested to attend the meeting.

Director (Engg), OPTCL suggested to take a record of the member representatives not attending the meeting and intimate to their respective organizations.

Regarding frequent interruption in SCADA system and non displaying of data in respect of important transmission elements, as briefed by Sr.G.M (PS), G.M (Telecom) stated that AREVA is not responding properly.

CGM (O&M) suggested that since the SCADA system is under AMC, CMD, PGCIL may be intimated indicating all the details under the signature of Director (Engg). G.M (Telecom) was requested to take necessary initiation in this regard.

[Action: G.M(Telecommunication)]

Thereafter, GM (SLDC) took the agenda items for discussion.

The review proceeded as follows:

Item No.1-Confirmation of the minutes of 54th PSOC meeting held on 28.02.2009 at PTC, Chandaka, Bhubaneswar .

Since Members have no comments for the minutes of 54th PSOC meeting, the minutes of the meeting was confirmed.

Item No. 2- Review of Grid performance for the month of February 2009.

2 (A) – Frequency

The one-minute instantaneous System frequency for the month of February'09 was reviewed. It was noticed that **97.34%** of times, the frequency remained in the band of 49.0Hz – 50.5Hz (IEGC band) during the month as compared to 98.57% during January'09. The maximum and minimum System frequency during the month of February'2009 was 50.75 Hz and 48.67 Hz respectively. The monthly frequency profile, FVI & Standard Deviation for the month of February' 2009 was reviewed. The frequency profile during the month of February'09 is noticed to be deteriorated in comparison to the month of January'2009.

2 (B) – Grid demand

Grid demand for the month of February' 2009 was reviewed. The maximum System demand of 2907 MW occurred on 20.02.09 at 19:00 Hrs and minimum demand of 1601 MW occurred on 16.02.09 at 14:00 Hrs. respectively. The hourly demand profile for the month of February'2009 was reviewed. It is observed that, the maximum demand during the month was increased by 22 MW during the month of February'2009 in comparison to January' 2009. The grid demand has increased by 38 MU comparing to February 2008.

2(C) – Voltage Profile of important Sub Stations in OPTCL System

The maximum and minimum Bus Voltage at major 220 kV buses occurred during the month of February 2009 was reviewed. It is noticed that Narendrapur 220 kV bus has experienced a maximum voltage of **251** kV and minimum Voltage of 175 kV has experienced by Chandaka 220 kV bus. The maximum Voltage at Narendrapur S/S was due to under loading of transmission lines during off-peak hours. After commissioning of 4th Auto the Voltage profile of Chandaka S/S has improved.

Deliberation in the meeting

C.G.M.(O&M) stated that the grid condition during extreme Voltage period i.e. maximum and minimum may be indicated in the report.

Director (Engg.) suggested to indicate the grid conditions in future months.

C.G.M.(O&M) stated that a system study may be conducted by inducting 220 kV D/C link and 2x315 MVA ICT at 400 kV S/S Mendhasal to ascertain profile.

A system study under present condition may also be conducted for synchronization of Budhipadar-Tarkera at 132kV Rajagangpur grid.

Director (Engg.) stated that it was already suggested in the file to conduct the later study.

[Action: Sr. G.M (Power System)]

Item No. 2 (D) – Energy Generation/ import during the month of February’09

Energy generated by the State generating stations such as OHPC stations, IbTPS , TTPS (NTPC) and CGP support and import from ISGS station during the month was reviewed.

Item No. 2 (E) – DISCO Drawal during the month of February’09

The quantum of energy drawn by Discos during the month was reviewed.

It is noticed that the cumulative drawal by the Discos up to the month ending February’09 except NESCO have increased substantially in comparison to the ARR approved quantum prorated up to the above period.

Deliberation in the meeting

Director (Engg.) wanted to know the reasons of overdrawal by the Discos.

WESCO representative stated that WESCO over drawal is due to more power drawal by M/S VAL and M/S Bhusan Power & Steel.

Southco representative stated that their over drawal is due to more village electrification through RGGVY.

However it was decided to monitor the drawal by DISCOS regularly.

Item No. 2 (F) – Major Events in the month of February’ 2009

There was no major event recorded during the month.

Item No. 2 (G) – UFR Operation in OPTCL System in the month of February’ 2009

There was no UF Relay operation occurred during the month of February’09.

The locations for installation of df/dt Relay in OPTCL system is yet to be finalized.

Deliberation in the meeting

C.G.M.(O&M) suggested to have a meeting on 7th April’09 between O&M and SLDC to decide the location for installation of df/dt relays.

[Action- C.G.M. (O&M), Sr. G.M (PS)]

Item No. 2 (H) – Important Grid incidents

Major grid incidents for the month of February’ 2009 were reviewed. It was noticed that frequent failure of insulators are noticed in 132kV Balasore-Jaleswar line

Deliberation in the meeting

C.G.M.(O&M) stated that it is proposed to replace all the insulator of the 132 kV Balasore-Jaleswar line. In the first phase a shutdown for 10 days has been proposed. The work will be taken up after summer season.

Replacement of insulators for 132 kV Chhtrapur-Ganjam line also proposed to be taken up.

[Action : CGM (O&M)]

Item No. 2 (I) – Major Transmission Lines/ Elements Outage during the month of February’09.

Outage of major Transmission Lines/ Elements during the month of February’ 2009 was reviewed.

Item No. 3 – Drawal of Machhakund Power.

The power drawal from Macchakund PH during the month of February’ 2009 was reviewed. It was noticed that the Machhkund authority are not following the decision, although agreed in the meeting held on 17.02.2009 between APGENCO, OHPC, OPTCL , SLDC and Gridco Ltd.

Deliberations in the meeting

Director (Engg.) suggested to write a letter to APGENCO in his signature indicating the above. Sr.G.M(PS) was requested to take necessary action in this regard.

[Action : Sr.G.M. (PS)]

Representative of GRIDCO stated that they have given a proposal to SRPC for exchange of Machhkund power through inter-regional share exchange.

It was decided to take up the issue with ERLDC and ERPC with a request to raise the same in the inter- Regional meeting.

[Action : Gridco Ltd]

Display of Machhakund drawal – Accessing of PT secondary terminal of Machhkund feeder at Jayanagar grid.

Deliberations in the meeting

G.M.(Telecom) stated that it is programmed for PT connection at Jayanagar during the month of April 2009.

Installation of new RTU at Machhakund PH:

Deliberations in the meeting

GM (Telecom) stated that offer for supply of RTU has been received and procurement action will be taken up soon.

Director (Engg.) suggested for sending a proposal to OHPC to bear the cost of the RTU to be installed at Machhkund PH.

[Action : GM (Telecom)]

Item No. 4 –Review of Outage Programme 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 is 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	-	-	-	-	-

Item No. 5 – Generation Programme for the month of February & March’08

The generation schedule (Average) for the month of February & March’08 are as follows.

Name of Hydro Gen. Station	Generation Programme (MW)	
	March’09	April’09
HPS, Burla	25+15	25+15
U.Indravati	245	255
Balimela	80	70
U.Kolab	80	80
Rengali	30	25
MKD (O/D)	25	30
TOTAL	500	500

Item No. 6 –Progress and Programme of completion of WB & ADB funding / Deposit work / Gridco’s own funding Lines & sub-stations.

- ❖ **Charging of 220kV Indravati – Theruvali 4th ckt.**

Deliberation in the meeting:

The damaged CT of the above line has been replaced. jumpering is to be done. The ckt is expected to be charged during April 2009.

- ❖ **132kV Burla-Sambalpur LILO at Katapalli.**

Deliberation in the meeting:

Sr. G.M (TP) stated that the line is expected to be charged during April 2009.

- ❖ **220/132kV Bolangir Grid S/S and 220 kV Katapalli-Bolangir line.**

Deliberation in the meeting:

Sr. G.M (TP) stated that Bolangir S/S work is under progress. It is expected to be charged by June'09 end.

- ❖ **220/132kV Paradeep Grid S/S .**

Deliberation in the meeting:

Sr. G.M (TP) stated that, the S/S is expected to be charged during April 2009.

Item No. –7 Communication issues

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

Deliberation in the meeting

NALCO

In the last meeting it was decided that RTU installed at NALCO end to be removed immediately.

Director (Engg) suggested that a letter may be written to NALCO to install their own RTU. In case they fail to do so, a case may be filed at OERC.

[Action – NALCO, G.M (Telecom)]

RSP

G.M (Telecom) stated that RSP has not yet procured the required hardware for interfacing.

[Action – RSP, G.M (Telecom)]

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

Deliberation in the meeting

The status of CGPs for providing SCADA/PLCC equipment and data display for the transmission elements at SLDC control room as stated by Telecom representative are as detailed below

Sl. No	Name of CGP	Status of data display
1	M/S BSSL, Meramunduli	All equipments commissioned. Data 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. It is already intimated to Bhusan.
5	M/S EMAMI	Already commissioned, but still under observation.

G.M (Telecom) stated that ABB engineers are arriving today for investigation and rectification of the problem (1) to (3).

(III) Non-displaying of data for transmission elements / generating units

The status of the transmission elements for which the data is not being displayed in the SLDC control room and action taken is stated as under.

Sl. No	Name of transmission element	Action taken / present status
1	220/132 kV Auto –IV at Tarkera	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	procurement of transducers is under process..
4	Chandaka Auto-IV	procurement of transducers is under process.
5	Balimela unit # 7 & # 8	Transducers to be procured by OHPC
6	Rengali PH	Modem is not available. The data will be available on installation of modem.
Future Requirements		
7	Paradeep Auto-I (100MVA) & II (50MVA)	The S/S is going to be commissioned soon. Action may be taken to integrate the S/S.

Regarding Bidanasi Auto-I &II data G.M.(Telecom) stated that, AREVA is telling that their data is correct. However it was decided the data should verified by E &MR division.

[Action- G.M (Telecom), OHPC]

(IV) Communication failure to Indravati PH

Deliberation in the meeting

G.M (Telecom) stated that action is being taken for restoration of Puncom communication soon.

[Action- G.M (Telecom), OHPC]

(V) Display of DISCOM drawal data at SLDC Control Room

Deliberation in the 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.

Sr G.M (PS) stated that since monitoring of Disco drawal are very much essential under the present power supply scenario, action may be expedited for integration of the left out points.

[Action- G.M (Telecom), OHPC]

Item No. 8- IT Related issues

MIS report of EBC data:

Deliberation in the meeting

The item could not be taken up for discussion in absence of representative from IT wing of OPTCL. The issue has been postponed for next meeting.

[Action: C.G.M. (IT)]

Maintenance of SLDC website:

Deliberation in the meeting

The item could not be taken up for discussion in absence of representative from IT wing of OPTCL. The issue has been postponed for next meeting. However it was decided that a letter shall be written to CGM (IT) to authorize SLDC executive as the co-coordinator for maintenance of SLDC website.

[Action – Sr.G.M (PS), CGM (IT)]

Item No. 9: Issues relating to Discos:

SOUTHCO

Interchange of 20MVA transformer at Aska S/s with 12.5 MVA transformer at Bhanjanagar S/s

Deliberation in the meeting

Director (Engg.) stated that the 20MVA transformer at Aska is having higher percentage impedance and will be overloaded first. Due to mismatch of impedance it may not be possible to utilize the full capacity i.e. up to 20MVA. So the exchange of transformer will not solve any purpose

Installation of 20 MVA transformer at Bhanjanagar S/s

Deliberation in the meeting

Director (Engg.) stated that at least three months of time will be required for reaching of 20 MVA transformer. However priority will be given for Bhanjanagar S/s to install the 20MVA transformer

Over loading of transformer at Digapahandi grid S/s

Deliberation in the meeting

Director (Engg.) stated that the problem can be solved if some of the area loads of Berhampur will be diverted to Narendrapur Grid. However after receipt of 20 MVA transformer only, the problem can be solved.

NESCO

NESCO representative stated that some of the Grid sub-stations like Polasponga, Soro, the 33kV voltage is remaining low during peak load hours.

Deliberation in the meeting

C.G.M.(O&M) stated that after installation of 2nd 100 MVA Auto at Bhadrak Grid S/s, the voltage problem will be solved.

Director (Engg.) stated that the distribution companies are not providing breaker in the 33 kV feeders. Even if, some breakers are installed those are yet to be commissioned. However, the

details of breaker status in each of the 33kV feeder with the relay setting may to be furnished to OPTCL by the DISTCOS.

[Action – All Discos]

NESCO representative stated that grid S/s authority of OPTCL are not allowing for installation of meters for 33 kV feeders in the grid S/S.

Deliberation in the meeting

Director(Engg.) stated that the DISCOS may install meters at their end without burdening the CT/PT at grid S/Ss, which are meant for a specific purpose.

NESCO representative stated that there are some disputes relating to billing .

Deliberation in the meeting

Sr.G.M.(PP) stated that the above dispute if any, may be forwarded to GRIDCO, for necessary action.

WESCO

WESCO representative stated that they may be permitted to install energy meters at LT side of station transformers for recording of energy consumption by station transformers.

Deliberation in the meeting

Director (Engg.) stated that WESCO may forward the above proposal to CGM (O&M) for necessary action.

Director (Engg) stated that the following achievements were made during March 2009

New Achievements of OPTCL during the month of MARCH'09

- Chandaka- Auto-IV at was installed.
- Phulnakahara –12 K.M. of the line have been completed which was pending since 12years.
- Paradeep- 100MVA transformer will be charged within 15th APRIL'09.
- Bhadrak- 2nd Auto will be installed soon.
- Meramundali- 2nd Auto has been charged which was under breakdown since 23.03.08.
- Dhenkanal- 2nd 40 MVA transformer has been handed over for repair, which was completed within 2-3 months.

D.G.M.(SLDC) thanks to all for active participation in the 55th OPSC meeting

Item No:11 : The date and venue of 56th Operational Coordination meeting shall be intimated soon.

Sr.G.M. (Power System)

ANNEXURE-A**MEMBERS PRESENT**

SL.NO.	NAME	DESIGNATION
1	Sri K.K. Nath	Director (Engineering), OPTCL
2	Sri J.P. Das	C.G.M.(O&M), OPTCL
3	Sri B.N. Mahapatra	Sr.G.M (PS) SLDC, OPTCL.
4	Sri. D.K. Choudhry	Sr.G.M.(TP), OPTCL
5	Sri. A.P. Mohanty	Sr.G.M.(R&T), OPTCL
6	Sri. C.R. Mishra	Sr.G.M.(PP), GRIDCO
7	Sri S.C. Mudali	G.M., SLDC, OPTCL
8	Sri R.K. Mahapatra	G.M.(Telecom), OPTCL
9	Sri A.C. Patra	D.G.M.(Telecom), OPTCL
10	Sri Dibakar Behera	D.G.M., IMFA
11	Sri B.R. Mishra	D.G.M., SLDC, OPTCL
12	Sri Santosh Kumar Das	A.G.M. (SS), SLDC, OPTCL.
13	Sri P. Arun Kumar	S.E.(Technical), SOUTHCO
14	Sri P.K. Mishra	Manager, SLDC
15	Sri B. P. Gantayat	Dy. Manager (Elect.), OHPC
16	Sri S.K. Patra	Dy. Manager, WESCO
17	Sri Jaya Prakash Das	A.M., CESU
18	Sri Deepak Kumar Rout	A.M., CESU
19	Miss. Madhumita Mishra	A.M.(Elect.), GRIDCO
20	Miss. Banishree Pradhan	A.M., SLDC, OPTCL
21	Mrs. Rosalin Parida	A.M.(Elect.), NESCO



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

Dated : .04.2009

From:

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

To:

The Director (Commercial), Gridco, Bhubaneswar	The Director (Engg.), 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 Dtribution), RSP, Rourkela
The Member Secretary. (GCC), 3 rd Floor Bidyut Bhaban,OPTCL Hqs	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: Minutes of 55th Power System Operational Co-ordination meeting held on 30.03.09 at PTC, Chandaka, OPTCL, Bhubaneswar.

Sir,

Please find enclosed herewith the minutes of 55th Power System Operational Co-ordination meeting held on 30.03.09 at PTC, Chandaka, Bhubaneswar. This is for your information and necessary action.

Yours faithfully;

Encl.: As above

Sr. General Manager (PS)

CC: The Executive Asst. to C.M.D., OPTCL along with a copy of enclosure for kind information of C.M.D.