

MINUTES OF DISCUSSION IN 59th POWER SYSTEM OPERATIONAL COORDINATION MEETING HELD AT 11.30 HRS. ON 24.09.2009 UNDER THE AGES OF SAIL, ROURKELA AT CPTI, RSP, ROURKELA

List of participants enclosed at Annexure-A

No representative from CESU, NESCO, ICCL, NALCO, JSL, BHUSHAN, VEDANTA and Machhakund PH has attended the meeting.

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

Director (Engineering), OPTCL welcomed all the participants to the 59th Power System Operational Coordination meeting.

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

AGM (SLDC) took the agenda items for discussion.

The review proceeded as follows:

Item No.1-Confirmation of the minutes of 58th PSOC meeting held on 30.07.2009 at PTC, Chandaka, Bhubaneswar.

Since Members have no comments for the minutes of 58th PSOC meeting, the minutes of the meeting was confirmed.

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

Item No. 2 (A) – Frequency

The one-minute instantaneous System frequency for the month of August'09 was reviewed. It was noticed that 79.28 % of times, the frequency remained in the band of 49.2Hz – 50.3Hz (IEGC band) during the month as compared to 94.78% during July'09. The maximum and minimum System frequency during the month of August'09 was 50.52 Hz and 48.66 Hz respectively. The monthly frequency profile, FVI & Standard Deviation for the month of August'09 was reviewed. The frequency profile during the month of August'09 is noticed to be deteriorated in comparison to the month of July'2009.

Item No. 2 (B) – Grid demand

Grid demand for the month of August'09 was reviewed. The maximum System demand of 3003 MW occurred on 12.08.09 at 20:00 Hrs and minimum demand of 1831 MW occurred on

23.08.09 at 17:00 Hrs. respectively. The hourly demand profile for the month of August'09 was reviewed. It is observed that, the peak demand during the month was decreased by 147 MW during the month of August'09 in comparison to July'09. The energy consumption has increased by 149 MU comparing to **July 2009** and increased by 214 MU comparing to **August 2008**.

Item No. 2(C) – Voltage Profile of important Sub Stations in OPTCL System.

The Voltage profile at different 220 kV buses in OPTCL system during the month was reviewed. It is noticed that Jayanagar 220 kV bus has experienced a maximum voltage of 250 kV and minimum Voltage of 185 kV has been experienced by Chandaka 220 kV bus.

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

The quantum of energy drawn by Discos up to the month of June 2009 was reviewed. It is noticed that the cumulative drawal by the Discos up to the month ending June'09 except WESCO have been increased in comparison to the ARR approved quantum. The energy drawal by Discos up to the month of August could not be done due to non availability of data.

Deliberation in the meeting

Sr. G.M (Power System) stated that some of the Discos are over drawing from their schedule resulting SLDC to over draw from the Grid. Due to shortfall in power availability for the State the Discos were requested to adhere the drawal schedule strictly to avoid over draw from the Grid.

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

06.07.09- 132/33 kV, 1x12.5 MVA Grid Sub-station at Karanjia was successfully charged at 19:10 Hrs. and put to commercial operation on Dt. 10.07.09 at 17:30 Hrs.

24.07.09- 132/33 kV, 1x12.5 MVA Grid Sub-station at Phulnakhara was successfully charged at 11:50 Hrs.

31.08.09- 132/33 kV 12.5 MVA Transformer was commissioned at Chainpal Gris Sub-station and idle charged at 19:10 Hrs in place of 20 MVA burnt Transformer.

Item No. 2 (G) – UFR Operation in OPTCL System in the month of August'09

There was no UF Relay operation occurred during the month of August'09. The installation of df/dt Relays in the OPTCL network is yet to be taken up

Deliberation in the meeting

Director (Engg) stated that the location for installation of df/dt relays will be examined further and finalized soon.

Item No. 2 (H) – Important Grid incidents

Major grid incidents for the month of August'09 were reviewed.

Deliberation in the meeting

Sr. G.M.(PS) stated that frequent disturbance at southern Orissa had been discussed in the OCC meeting of ERPC at Kolkata. Members of OCC suggested to investigate the reason of disturbance at southern Orissa. It was also decided to depute a team of official from ERPC to ascertain the reason of disturbance.

Director(Engg.) suggested to send a team to Jayanagar command area for investigation of disturbance and relay settings at Jayanagar and Theruvali command area. The team shall examine the relay settings of the above command area and the connected OHPC generating stations.

Sr. G.M.(CP) stated that the old relays installed at Jayanagar S/s are seen to be not functioning properly.

RSP representative requested to increase the relay setting of RSP feeders emanating from Tarkera Grid S/s. They are also assured not to misutilise the enhanced setting.

Director(Engg.) agreed to the above proposal.

RSP was asked to forward a proposal with a written undertaking for not to overdraw due to the increased setting.

NALCO, Damanjodi representative stated that there was power interruption experienced at Damanjodi on 20th April, 19th June, 15th August and 3rd September due to disturbance at Theruvali and Jayanagar command area.

Sr. G.M.(PS) stated that the disturbances at southern Orissa had already been discussed at ERPC forum. Necessary action is being taken to investigate the disturbances at southern Orissa. However the disturbance occurred on 3rd September was due to communication problem with Jayanagar.

[Action:C.G.M.(O&M)]

Item No. 2 (I) – Major Transmission Lines/ Elements Outage during the month of July & August'09.

Outage of major Transmission Lines/ Elements during the month of July & August'09 was reviewed. It was noticed that most of the trippings are due to failure of insulators and jumper snapping

Item No. 3 – Drawal of Machhakund Power.

Power drawal from Macchakund PH during the month of August'09 was reviewed..

Deliberations in the meeting

On replying the query raised by GRIDCO , Sr.G.M.(PS) stated that Machhkund powerhouse is forwarding the dayahead availability of units regularly.

Installation of new RTU at Machhakund PH:**Deliberations in the meeting**

The issue could not be discussed due to absence of OHPC representatives.

Item No. 4 –Review of Outage Programme of State Generators / Transmission elements for the month of September & October'09 .

Outage programme of EHT lines and S/S for the year 2009-10 has already been finalized and will be implemented as per the programme.

Sl.	Station	Unit	September'09		October'09	
2	U.Kolab	# 1	16.08.09 to 15.09.09	Generator inter turn fault	-	-
3	Rengali	# 1	18.08.08 to Continue	Generator fault	18.08.08 to Continue	Generator fault
5	Balimela	# 7 # 8	19.08.09 to 15.09.09 12.06.09 to 15.09.09	Governer Problem Poor oil value of GT	-	-

Item No. 5 – Generation Programme for the month of September & October'09

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

Name of Hydro Gen. Station	Generation Programme (MW)		Reservoir Level as on 01.08.09	Reservoir Level as on 01.09.09	MDDL	High Flood Reservoir Level
	Sept'09	Oct'09				
HPS, Burla	200+30	100+20	600.77ft	622.00 ft	590 ft.	HPS, Burla
U.Indravati	210	210	626.72mtr	637.35mtr	625mtr	U.Indravati
Balimela	90	110	1443.50ft	1459.70ft	1440 ft.	Balimela
U.Kolab	60	60	845.84mtr	849.38mtr	844 mtr	U.Kolab
Rengali	190	150	111.70mtr	118.32mtr	109.2mtr	Rengali
MKD (O/D)	30	30	2716.10ft	2730.70ft	2685 ft.	MKD (O/D)
TOTAL	810	680				TOTAL

**Item No. 6 –Status of New lines funded by WB /ADB/Deposit work/OPTCL’s own funding
Deliberation in the meeting**

The status of the new lines & S/Ss as deliberated by CGM (Const.) are as tabled

Sl. No	Details of project	Status as on last meeting
1	132 kV Burla-Sambalpur SC line LILO at Katapali	All most completed. The line will be charged on receipt of shutdown approval.
2	of 220/132 kV Bolangir S/S and 220 kV Katapali – Bolangir SC line	10k.M. of line construction is to be done. Expected to be charged by end of October’09

Item No. –7 Communication issues

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

NALCO

NALCO representative stated that, finalisation of tenders specification is already been completed. Floating of tender will be done soon. Installation of RTU is expected by the end of February’ 2010.

RSP

RSP representative stated that tender for total SCADA package has been finalized and placed before the board for approval. Installation of RTU is expected to be completed by May’2010.

[Action – RSP]

**(II) Installation of communication equipment by CGPs/ Industries.
Deliberation in the meeting**

D.G.M (Telecom) deliberated the present status

Sl. No	Name of CGP	Status of procurement of RTU and equipments
1	M/S BSSL, Meramunduli	All equipments commissioned. Data is not displaying due to problem in digital system. Breaker status is yet to come. ABB representative has not yet visited the site for rectification.
2	M/S VAL, Jharsuguda	Already complied.
3	M/S Hind Metals, Meramunduli	Arrival ABB engineers to rectify the problem is awaited.
4	M/s Bhushan Power & Steel Ltd, Jharsuguda	Order for modification has been placed with Gfanu.
5	M/S EMAMI	Already commissioned, but still under observation. Some times showing erratic display

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

Deliberation in the meeting

D.G.M.(Telecom) stated that proposal has been sent to PGCIL for forwarding a detailed project report. On receipt of the same funding arrangement has to be taken up after approval from BoD.

[Action- G.M (Telecom)]

(IV) Regarding non-displaying of data from South Orissa on disconnection of optical fiber ground wire due to height extension of tower for railway crossing.

Deliberation in the meeting

D.G.M.(Telecom) stated that, consent of C.M.D. is awaited for restoration of optical fibre link. (by jointing). Railway authorities have been asked for compensation.

Director (Engg.) has assured to look after the issue.

Item No. 8- Other Issues

SOUTHCO:

On replying the issues raised by Southco, Director (Engg) stated that

Upgradation of Berhampur S/s	Order for procurement of 40MVA transformer to be placed
Upgradation of Bhanjanagar S/s	Order for procurement of 40MVA transformer to be placed
Purosattampur S/s	Incomplete price bit received. Re-tendering work will be taken up.
Boudh S/s	Work order to be placed
Akhusingh S/s	Work under progress.
Upgradation of Sonapur S/s	Expected to be completed within eight months
Lakhmipur S/s	Three Nos of Aluminium Industries will take up the construction of 220/33kV Grid s/s.

WESCO:

S.E., Electrical Circle, Rourkela placed the issue of present metering arrangement for RSP feeders emanating from Tarkera Grid as detailed under:

1. RSP was availing power supply through two numbers of 132kV feeders from Tarkera Grid S/s.
2. The newly constructed 220kV feeder has been charged at 220kV for the time being and RSP is availing power supply through this feeder in addition of the above two feeders.

3. The connectivity of 132kV feeder-I, II and feeder-III are at different location of RSP, due to which the simultaneous import and export of power by RSP through feeder-I,II and feeder-III are taking place.
4. Earlier the SMD and energy consumption of RSP was computed through a summation CT for feeder-I & II.
5. On incorporation of the newly constructed 220kV feeder charged at 132kV to the summation CT with effect from 14.08.09, a wide difference in energy drawal comparing to the Apex meter installed in the grid is being noticed probably due to simultaneous import and export by Feeder I, II and Feeder III which were connected to two different points of RSP.
6. In view of the above, S.E., Electrical circle, Rourkela requested to discuss the issue and suggest the remedial measures required to be taken up. He was also requested to ask RSP to maintain the status prior to 14.08.09.

Deliberation in the meeting

It was decided to constitute a committee comprising of representative from GRIDCO, OPTCL, RSP and WESCO to resolve the issue. WESCO, in consultation with the above organizations may initiate to convey a meeting. Till such time RSP shall not export power through the 3rd circuit but shall draw emergency power only.

[Action: WESCO, RSP]

Item No:9 : The date and venue of 60th Operational Coordination meeting shall be intimated soon.

All the members expressed their gratitude to SAIL, RSP representatives for organizing the meeting and the hospitality extended to the members.

The meeting was ended with vote of thanks conveyed by A.G.M.(SLDC) to all the members and RSP representatives.

Sr.G.M. (Power System)

ANNEXURE-A**MEMBERS PRESENT**

SL.NO.	NAME	DESIGNATION
1	Er K.K. Nath	Director (Engineering), OPTCL
2	Er N. Dash	C.G.M.(Construction), OPTCL
3	Er. D.D. Sharma	Sr. G.M (CP), OPTCL
4	Er. S.C. Mudali	Sr.G.M., SLDC, OPTCL
5	Er. B.N. Mahapatra	Technical Consultant, SLDC
6	Er. S.K. Paricha	G.M., RSP, Rourkela
7	Er. P.K. Pattanaik	G.M.(CPP), NALCO
8	Er. S.P. Nanda	D.G.M.(Elect.), NALCO
9	Er. P. K. Amartya	D.G.M.(PD), RSP
10	Er. P. Sahoo	D.G.M.(PD), RSP
11	Er. A.C. Patra	D.G.M., Telecom, OPTCL
12	Er. B.K. Debata	D.G.M., EHT(O&M) Circle, Burla, OPTCL
13	Er. R.C. Pradhan	D.G.M. (O&M), OPTCL
14	Er. S. Naik	S.E., WESCO
15	Er. P. Arun Kumar	A.G.M.(Technical), SOUTHCO
16	Er. S.K. Das	A.G.M., SLDC
17	Er. U.K. Samal	A.G.M., EHT(O&M) Division, Rourkela, OPTCL
18	Er. P.C. Tripathy	A.G.M., EMR Div., Rourkela, OPTCL
19	Er. S.C. Das	Manager(Elect.), OPGC
20	Er. P.K. Mishra	Manager, SLDC
21	Er. K.C. Nayak	E.E.(Elect.), WESCO
22	Er. A.K. Patjoshi	E.E., WESCO
23	Er. S.K. Mohanty	Manager, GRIDCO
24	Er. D.K.Bhanja	Sr. Manager, RSP
25	Er. P.K. Nayak	D.M., Telecom, OPTCL
26	Er. M. Mishra	A.M., GRIDCO



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Dated : .10.2009

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 Ditrubition), RSP, Rourkela
The Manager(Elect.), JINDAL, Duburi	The G.M, VEDANTA, Jharsuguda	The G.M.(Elect.), BHUSAN, Budhipadar
The Member Secy., (GCC),3 rd 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: Minutes of 59th Power System Operational Co-ordination meeting held on 24.09.09 at SAIL, RSP, Rourkela.

Sir,

Please find enclosed herewith the minutes of 59th Power System Operational Co-ordination meeting held on 24.09.09 at SAIL, RSP, Rourkela.. 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.