

**MINUTES OF DISCUSSION IN 69th POWER SYSTEM OPERATIONAL COORDINATION
MEETING HELD ON 12.07.2013 AT PTC, CHANDAKA, BHUBANESWAR.**

List of participants enclosed at Annexure-A

The meeting was chaired by Director (Commercial), GRIDCO.

Sr. G.M (PS) welcomed all the participants to the 69th Power System Operational Coordination meeting held at Chandaka. In his welcome address he highlighted the system performance during the month of June and emphasized the present demand curtailment in the State.

A.G.M. (SS) took the agenda items for discussion.

The review proceeded as follows:

Item No.1-Confirmation of the minutes of 68th PSOC meeting held on 09.01.13 at Hotel Toronto, Chandipur, Balasore.

The minutes of 68th PSOC meeting had forwarded to all the members vide Letter No. SGM(PS)-PL-15/2007 (Vol-V)/229 dated 29.01.2013. Since no comments on the minutes have been received, the minutes of the meeting was confirmed.

Item No. 2- Review of Grid performance for the month of June' 2013.

Item No. 2 (A) – Frequency

It was noticed that 79.92 % of times the frequency remained in the band of 49.70Hz–50.20Hz (IEGC band) in comparison to 85.93% during the month May'13. The maximum and minimum System frequency during the month of June' 13 was 50.73 Hz & 49.04 Hz respectively.

Item No. 2 (B) – Grid demand

Grid demand for the month of **June'13** was reviewed. The maximum System demand of **3436 MW** occurred on **02.06.13** at **21:00 Hrs** and minimum demand of **1962 MW** occurred on **12.06.12** at **24:00 Hrs**.

Deliberation in the meeting

It is observed that, the peak demand during the month of **June' 13** has been increased by **114 MW** from that of **May'13**. The energy consumption during the month has been decreased by **145 MU** in comparison to **May'13** and increased by **102.00 MU** in comparison with **June'12**. The increase in peak demand was probably due to simultaneous drawal by some of the CGPs. The energy requirement has been reduced due to change in weather condition.

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 of **June'13** was reviewed. It is noticed that **Jayanagar** 220 kV bus has experienced a maximum voltage of **250 kV** and minimum Voltage of **209 kV** has been experienced at **Narendrapur** 220 kV bus.

Deliberation in the meeting

Maximum voltage at Jaynagar was occurred due to under loading of long transmission lines & VAr flow from Jeypore PG end.

The VAr flow from Jayapore PG also to be monitored and reported to ERLDC.

Item No. 2 (D) – Energy Generation / import during the month of June’13 was reviewed

The total quantum of energy drawn from all the generation sources including Central Sector Share and CGP support during the month of June, 2012 was 1972.16 MU.

Item No. 2 (E) – DISCOM Drawal during the month of June’13

The quantum of energy drawn by Discoms for the month of **June’13** was reviewed.

Deliberation in the meeting

SLDC stated that the Discoms are furnishing drawal schedule to the tune of 53-55 MU against approval of 63 MU. The Discoms are requested to furnish their drawal in a realistic manner. Further ERLDC is not allowing over drawal or under drawal during high and low frequency conditions respectively and asking to remain in the schedule irrespective of frequency. SLDC could not make proper generation planning on day ahead basis due to such overdrawal by Discoms. The Discoms are requested to adhere to their drawal schedule. G.M., CESU defended the allegation by saying that “they are overdrawing only during high frequency condition.”

Director (Commercial) stated that although the requirement of power is there, the Discoms are deliberately furnishing lower schedule and taking the opportunity of high frequency condition. Such activity of the Discoms shall be considered as gaming. The Discoms are required to comply to their drawal schedule irrespective of the frequency condition, as the overdrawn quantum has to be met from State resources without realizing revenue from Discoms due to high frequency condition. He also stated that let the Discoms identify feeders to be isolated during over drawal. Director (Commercial) asked SLDC to issue non compliance message to Discoms and report to OERC as well as ERLDC.

All DISCOMs are requested to remain in schedule irrespective of frequency.

[Action:-SLDC/All Discoms]

Item No. 2 (F) – Major Events in the month of May & June 2013.

- 02.05.13: 132/6.6kV, Transformer-I of M/S International Minerals Trading Co.(P) Ltd,Barbil idle charged at 12:32hrs and loaded at 16:15 hrs.
- 03.05.13: 27 MW Unit-II of M/s OCL India Ltd, Rajgangpur synchronized to OPTCL system at 12:05 hrs through existing 132kV dedicated SC line.
- 08.05.13: 20MVAR Cap Bank was charged at 132/33kV Ranasinghpur Grid S/s at 19:00 hrs.
- 10.05.13: 40MVA Transformer-II idle charged at Baripada Grid S/s at 21:32 hrs and loaded at 22:01 hrs.
- 25.05.13: 40MVA ALSTOM make transformer was installed in place of 20 MVA Transformer-I at 132/33kV Khariar Grid S/s at 10:52 hrs and loaded at 10:05 hrs on 26.05.13.
- 21.06.13: Scheduling of 8MW CGP of M/s Seven Star Steels Ltd, connected through 33kV industrial feeder at 220/132/33kV Budhipadar Grid S/s, commenced.
- 30.06.13: 2nd 60 MW unit of IMFA synchronized enhancing the capacity of the CGP from 138MW to 258 MW.

Deliberation in the meeting

SLDC stated that, major events are not being intimated to SLDC immediately by the concern authority due to which real time operation become difficult. Further, prior intimation in writing for synchronization of new generating unit in the system should be forwarded to SLDC and concurrence in this regard must be obtained from SLDC which did not happen in case of ICCL.

It was decided that CGM (O&M) shall instruct all the field circles to ensure the above.

[Action:-CGM (O&M)]

Item No. 2 (G) - UFR Operation in OPTCL System in the month of June'13

Deliberation in the meeting

SLDC stated that the frequency during the month of June 2013 never reached beyond 48.5. There was no UF Relay operation occurred during the month of June'13.

Item No. 2 (H) – Important Grid incidents

On 19th June 2013 at 22:32 Hrs all 400kV lines emanating from Meramundali sub-station tripped on over voltage. Restoration was delayed due to persistence of over voltage.

Deliberation in the meeting

SLDC stated that it is noticed that frequent over Voltage also noticed at Meramundali 400 kV bus, which had been discussed in the OCC meeting of ERPC. The VAr support by generating stations station connected to Meramundali need to be monitored.

It was decided that SLDC shall monitor the VAr absorption / injection by JSPL, NALCO and Bhushal Steel Ltd to be monitored by SLDC on real time basis.

[Action:- SLDC/JSPL/BSL/NALCO]

Item No. 2 (I) Outage of Major Transmission Lines / Elements during the month of December'12 was reviewed.

Outage of Major Transmission Lines / Elements during the month of December'12 for more than 10 hours was reviewed.

Deliberation in the meeting

It was noticed that most of the trippings are due to snapping of jumpers and insulation failure. CGM (O&M) stated the reason of delay in restoration, which was unavoidable.

Item No. 3 –Machhakund Issue.

The hourly drawal of Machhakund power during the month of June '13 was revied

Deliberation in the meeting;

SLDC stated that due to failure of RTU at Machhkund PH, it is not possible to monitor Machhkund generation on real time basis. GM (Telecom) stated that RTU has already been reached at site. All other accessory and cable will be received by end of July. The RTU is expected to be commissioned by mid of August 2013.

[Action:- GM (Telecom), OPTCL]

Item No.4–Review of Outage Programme of State Generators for the month of July’13

Tentative Outage programme for State Generators for the month of **July’13** are as follows:

Sl.	Station	Unit	July’13	
1	Burla	# 6	01.07.13 to 31.07.13	Leakage from turbine shaft seal with vibration in the shaft
2	Chiplima	# 1	-	Replacement of GT cable & rectification of Governor
3	Balimela	# 1	01.07.13 to 25.07.13	Thrust bearing problem rectification
4	U.kolab	# 3	05.07.13 to 31.07.13	Capital maintenance
5	Rengali	-	-	-
6	U. Indravati	-	-	-
7	TTPS	# 3	11.07.13 to 25.07.13	Boiler License Renewal & other overhauling works
8	Ib TPS	# 2	01.07.13 to 25.07.13	Annual Overhauling

It is noticed that, very often, Ib Units are unable to synchronize within the scheduled time in case of outage.

IBTPS representative was not available for deliberation.

ITEM NO: 5 Generation Program for the month of June & July 2013.

Generation schedule for the month of **June’13 & July’13** furnished by OHPC are given below.

Name of Hydro Gen. Station	Generation Programme (MW)		Reservoir Level as on 01.06.13	Reservoir Level as on 01.07.13	MDDL	High Flood Reservoir Level
	June’13	July’13				
HPS, Burla	20+15	100+40	598.08 ft	596.50 ft	590 ft.	630 ft.
Balimela	350	260	1482.00 ft	1477.90 ft	1440 ft.	1516 ft.
Rengali	5	30	111.46 mtr	109.90mtr	109.2m	123.5 mtr.
U.Kolab	210	220	849.76 mtr	849.79 mtr	844 mtr	858 mtr.
U.Indravati	430	600	628.58 mtr	632.77 mtr	625mtr	642 mtr
MKD (O/D)	30	30	2710.80 ft	2710.10 ft	2685 ft.	2750 ft.
TOTAL	1060	1230				

Deliberation in the meeting.

Director (Commercial), Gridco advised to maintain Indravati generation at 600 MW during the month of July’13.

[Action:-OHPC/SLDC]

Item No. 6 – Compliance of decisions of ERPC meetings

Issues raised in 86th OCC meeting of ERPC held on 21.06.13.

List of RTU supplied under ULDC Project but data is faulty / intermittent
220 KV Vedanta (9 x 135 MW): No status points are available.

It was decided in the OCC meeting to complete the work by 30th June 2013 positively.

Nalco: Status of RTU commissioning

Machkund HPS: Status of RTU commissioning

NALCO has intimated to complete the work by 31st August 2013.

NALCO / VEDANTA / G.M.(Telecom) may please deliberate.

Deliberation in the meeting.

NALCO stated that Commissioning of SCADA is in full swing. Regarding PLCC, Areva has been intimated to attend. It is expected to complete all works by August 2013.

GM (Telecom) stated that commissioning of RTU at Machhakund will be completed by 15th of August 2013.

Representative of VAL, Jharsuguda stated that they have already asked the Vendor to rectify the problem. It will take three months to rectify.

[Action:-NALCO/ VAL/GM (Telecom)]

ITEM NO: 7 Communication issues

(I) Installation of RTU and associated equipments for RSP.

In the last meeting, G.M. (Telecom) stated that the data are not available from RSP at present except some breaker status. However, the same was expected to be available by March 2013. It was decided to instruct RSP for removal of the ADSS cable.

Deliberation in the meeting.

GM (Telecom) stated that RSP is modifying its own SCADA system. They have not intimated the expected date of completion.

It was decided that RSP shall be reminded to complete the work early. GM (Telecom) to

[Action:-RSP/ GM (Telecom)]

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

In the last meeting, G.M (Tel) intimated regarding the communication status of the following CGPs:

SL. No.	Name of CGP	Present status
1	M/s FACOR Power Limited	Installation completed.
2	M/s Shree Ganesh Metalicks Ltd	Disconnection notice issued on 23.03.12
3	M/s Hind Metals, Meramunduli	Supply Disconnected
4	M/s SEL, Jharsuguda	Data invoked from ERLDC & displayed at SLDC.
5	M/s Shalivahan Green Energy Ltd.	Letter issued on 18.07.12
6	M/s IFFCO, Paradeep	Estimation completed & asked to deposit.
7	M/s IMFA, Choudwar	Data available & under observation.
8	M/s MSP Mettalicks	Installation completed.
9	M/s Narbheram	BOQ issued on 06.07.12
10	M/s NINL, Duburi	Not responding to Telecom letter
11	Action Ispat Ltd	Exempted up to March'2013

Deliberation in the meeting.

SLDC stated that M/s Shree Ganesh Metaliks has intimated for scheduling their generation by 15th July' 13.

It was decided to communicate M/s NINL once again. In case there is no response, the matter has to be placed before OERC.

GM (Telecom) to take follow up action to complete the data communication from the remaining CGPs.

[Action:- GM (Telecom)]

Item No. 8 Operational Constraints

i) **Stringing of earth wire in 220 kV Theruvali-Bhanjanagar line**

Deliberation in the meeting.

CGM (O&M) stated that stringing of earth wire in 220 kV Theruvali-Bhanjanagar line has been completed on 17th February 2013.

ii) **Over Voltage Problem in Meramundali Grid**

It is noticed that 400kV circuits emanating from Meramundali Grid sub-station are tripping frequently on over voltage and restoration takes considerable time due to persistence over voltage. ERLDC expressed serious concern on this issue in the OCC meeting of ERPC and wanted to know the preventive measures planned by OPTCL to address the issue.

Deliberation in the meeting.

The VAr support by generating stations station connected to Meramundali need to be monitored.

It was decided that SLDC shall monitor the VAr absorption / injection by JSPL, NALCO and Bhushal Steel Ltd to be monitored by SLDC on real time basis.

[Action:- SLDC]

ITEM NO:9 Reporting of major events & incidents to SLDC

(i) Major events such as induction / replacement of transmission elements in the System are not being reported to SLDC immediately.

(ii) Reporting of major incidents indicating details of relay indication with timings correctly and subsequent analysis in the protection coordination sub-committee meeting prior to ERPC protection sub-committee meeting..

(iii) Non-responding to SLDC on furnishing of information.

Deliberation in the meeting.

CGM (O&M) stated that they have already started analyzing major incidents. He also assured to intimate all the GM in charge of EHT (O&M) Circles to instruct all the Grid S/S accordingly. The protection sub-Committee meeting will be convened by CGM (O&M) to analyze the incidents.

[Action:- CGM (O&M)]

ITEM NO: 10 Mock Black Start exercise of OHPC stations.

The status of commissioning of DG set at Upper Kolab PH may please be intimated.

Deliberation in the meeting.

OHPC stated that the DG set at Upper Kolab HPS is expected to be commissioned by August 2013.

[Action:- CGM (O&M)]

ITEM NO: 11 Issues raised by CGPs / IPPs.

JINDAL Stainless Limited

Utilisation of Reactive Power Capacity Reserve of 2 X 125 MW CGP

The 'MVAR' Reserve Capacity of the Generators is being continuously under exchange, as per requirement, with the 400 / 220 kV Duburi (new) Grid for Voltage Management and System Stability. In view of the above, M/s JSL wants the VAR exchange data from the Energy Meter.

Deliberation in the meeting.

M/s JSL was advised to specify their data requirement to EBC.

ITEM NO: 12 Issues from last OCC meeting.

- (i) Dismantling of 11 kV feeders at Brajanagar and Jharsuguda and diversion of 11 Kv load at Jharsuguda. WESCO has ensured to abolish 11Kv System from Jharsuguda & Brajarajnar by March 2013 and June 2013 respectively.
- (ii) Maintenance of 11 kV system by WESCO at Bargarh grid. WESCO has agreed to take over the maintenance of 11Kv system of Bargarh by September 2013.
- (iii) Non co-operation of OPGC during maintenance of 220 Kv Budhipadar-Ib TPS lines.

The issue regarding stringing of earth conductor for remaining portion of 220Kv Ib-Budhipadar line shall be resolved bilaterally by O&M and IbTPS.

- (iv) LILO of Kalarangi Grid S/S: CESU stated that construction of new 33kV line to release off 132Kv LILO line has been kept in the CAPEX plan.

Deliberation in the meeting.

WESCO stated that Badamal and Raghunathpalli and feeder No. 3 have already been diverted from Jharsusuda S/S. The remaining feeders will be diverted by August 2013. Diversion of 11 kV feeders from Brajarajnar has not yet started. It may take another one year.

Maintenance of 11 kV S/S at Bargarh will be taken up by WESCO soon.

CESU stated that the tentative date of completion of 33 kV at Kalarangi S/S will be intimated in the next PSOC meeting.

ITEM NO: 13 Issues raised by Distribution Licensees.

ABT Related

- Frequent Interruption of ABT dash board data
- Correctness & time lagging of data
- Coverage of all the interconnection points of the DISCOM control area.
- Availability of past data in SLDC website.

The required data for ABT operation are to be available in SLDC website. But most of the data available in the website are not in complete shape or erroneous or even sometime not available.

Deliberation in the meeting.

SLDC stated that since all the grid S/Ss of OPTCL system have not been integrated to SCADA system, it is not possible to display drawal data of all S/Ss. Further, the real time Discom's drawal are computed from SCADA data considering the power in-flow and out-flow from the Discom control area. These data are for monitoring purpose only and may not match with the actual drawal. In case of non availability of RTU in some locations the data may not be available or become erroneous. Lagging of display

time is being rectified. The Discoms may explore the possibility of data acquisition through the sub-SLDC of OPTCL. However necessary action shall be taken for rectification of time lag and providing past drawal data.

NESCO:

a. Co-operation from Grid Personnel

It is noticed that, in case of State Level Power Crisis situations, when it is very much necessary to maintain drawl within limit through LR. Necessary instruction may be issued to all the grid personnel to provide utmost co-operation to NESCO officials to deal with such situations.

Deliberation in the meeting.

C.G.M. (O&M) stated that all the Grid Sub-stations have been instructed to co operate the DISCOMs in the matter of demand management whenever required.

b. Providing Real time data of Open Access

A provision may be made in the SLDC website to display the quantum of power transfer through Open Access system under NESCO area i.e. JSPL, Barbil-JSPL, Angul and FAP-TSIL, which may be helpful to determine the actual drawl of NESCO.

Deliberation in the meeting.

SLDC stated that the open access transactions schedule is being incorporated in the Discom schedule. It is not possible to display the real time drawal by the OA customer in SLDC site.

c. Capacity Up-gradation:

- i) Replacement of defective 20 MVA (132/33 KV Transformer) & commissioning of 3rd 100 MVA Auto Transformer at Joda Grid Sub Station.
- ii) Up-gradation of Barbil Grid from 2 x 12.5 MVA to 2 x 20 MVA.
- iii) Up-gradation of Anandapur Grid from 2x12.5 MVA to 2x40 MVA
- iv) Up-gradation of Basta Grid

Deliberation in the meeting.

CGM (O & M) stated that

- Replacement of 20 MVA transformer at Joda will be completed within two days. Commissioning of 3rd Auto is expected to be completed by August 2013.
- Upgradation of Barbill & Basta Grid sub-station is already in the scheme.
- Part load from Anandpur & Basta will be diverted to other Sub-stations.

d. Other Issues:

- i) LILO ckt to be constructed for Barbil Grid sub-station.
- ii) Radial feeder from Joda Grid sub-station to M/s Beekay Steel may be converted to ring feeder by providing connection from Rourkela Grid sub-station end to provide uninterrupted power supply to industries like M/s Beekay Steel, M/s Arya Steel etc. to avoid interruption.
- iii) Double ckt line to be constructed between Joda to Nalda or up-gradation of conductor size from Dog to Panther to cater to the upcoming loads. (Existing 75 MW + Upcoming 19 MW=Total 94 MW).
- iv) M/s Balasore Alloys and Auto Transformer No. II 100 MVA are on the same breaker which need to be separated.

Deliberation in the meeting.

CGM (O&M) stated that item (i) & (ii) above are not possible due to ROW problem.

Item (iii) shall be examined by OPTCL.

Item (iv) Scheme for separation of breaker has already been made through.

SOUTHCO:

- a. Commissioning of new Grid Sub-station
 - i. 132/33Kv Purussottampur Grid sub-station.
 - ii. 132/33Kv Dabugaon Grid sub-station.
 - iii. 132/33Kv Buguda Grid sub-station.
- b. Permission for installation of Meters at Grid Sub-stations
- c. Extension of power supply to HAL from Damanjodi in case of breakdown of 132Kv Jaynagar-Sunabeda ckt.
- d. Adjustment of UI bills considering Machhakund drawal
- e. In line with the debit bill claimed by GRIDCO on actual energy consumption by DISCOMs, Credit bill may also be issued in favour of DISCOMs in case of less drawal by DISCOMs.
- f. Implementation of mock ABT for Generating Stations.

Deliberation in the meeting.

Director (Engg) stated that

- a i.132/33 kV Purusottampur Grid sub-station is scheduled to be commissioned by July-2013
- ii.132/33kV Dabugaon Grid sub-station is scheduled to be commissioned by December-2014
- iii. 132/33Kv Buguda Grid sub-station:- Construction has not been thought of.
- b. OPTCL has already permitted for installation of feeder meters by DISCOMs.
- c. On commissioning of Laxmipur sub-station, HAL problem will be sorted out.
- d. SLDC stated that let SOUTHCO representative sit with SLDC to develop a methodology in this regard.
- e. Director (Comm.) stated that the less drawal by Southco will be taken care through UI mechanism.
- f. MOCK exercise for intra-ABT including generating stations will be implemented after resolving the metering issue.

CESU:

CESU has raised several bilateral issues such as construction of new grid S/Ss, up-gradation of existing sub-stations, provision of additional bays, transmission line conductor and low Voltage problem etc.

Deliberation in the meeting.

Director (Engineering) deliberated the actions already taken and to be taken in future by OPTCL.

ITEM NO:15 Date and Venue of the next (70th) PSOC meeting:

The date and venue for the 70th PSOC meeting will be intimated to all the members. The meeting was ended with vote of thanks conveyed by G.M, SLDC to all the participants.

MEMBERS PRESENT

SL.NO.	NAME	DESIGNATION
1	Er. P.K. Pradhan	Director (Commercial), GRIDCO
2	Er S.K. Das	Director (Engineering), OPTCL
3	Er. M. K. Mishra	Director (Operation), OHPC
4	Er. S. Rana	MD, NESCO
5	Er. D. Sahoo	VP(OP), NESCO
6	Er. S. C. Singha	Sr. G.M. NESCO
7	Er. Sarbeswar Bhuyan	G.M.(O&M), NESCO
8	Er. S. P. Mallick	G.M.(MRT & Vig), NESCO
9	Er. Ranjit Das	C.G.M. (PP), GRIDCO
10	Mr.R. Kamila	C.G.M. (O & M), OPTCL
11	Er. P. K. Dash	Sr. G.M. (PS), OPTCL
12	Er. S.K. Das	Tech. Consultant, SLDC
13	Er. P. K. Mishra	A.G.M., SLDC
14	Er. Umakanta Sahoo	A.G.M., SLDC
15	Er. J. P. Mohanty	A.G.M., SLDC
16	Er. P. K. Das	Manager, SLDC
17	Er. B.B. Satapathy	G.M.(Telecom), OPTCL
18	Er. U.C. Mohanty	T.A. to G.M.(Telecom), OPTCL
19	Er. K.C. Mishra	G.M.(O&M), OPTCL, Jajpur Road
20	Er. B. K. Singh	AGM (O&M), OPTCL, Balasore
21	Er. Lalatendu Nayak	AGM (E&MR), OPTCL, Dhenkanal
22	Er. S. K. Harichandan	AGM, OPTCL, EA to Director (Engg)
23	Er. S. K. Panigrahi	Manager (O&M), OPTCL
24	Er. D. Sethy	G. M., OHPC
25	Er. B.N. Nayak	Dy. Manager, OHPC
26	Er. B.P. Gantayat	Dy. Manager, OHPC
27	Er. S. K. Das	D.M. (O&M), OPTCL
28	Er. L.K. Dash	D.M., CESU
29	Er. Sharat Chandra Mahalik	A.G.M., NESCO
30	Ashish Ku. Panda	Manager(ABT), WESCO
31	Er. Satish Kumar Singh	AGM, HINDALCO
32	Er. S.K.Mishra	D.G.M.(OS), TTPS
33	Er. S.S. Behera	D.G.M., TTPS
34	Er. R.K. Sharma	A.G.M., JSL
35	Er. P.K. Mohapatra	D.G.M.(O&M), OPGC
36	Er. S. Swain	Sr. Manager(Opn.), OPGC
37	Er. D. N. Guru	Manager(Elect.), OPGC
38	Er. A.Pani	A.V.P., Sterlite Energy Ltd.
39	Er. S. Choudhury	Asso. Mgr (O&M), SEL



STATE LOAD DESPATCH CENTER
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No. SGM(PS)-PL-15/2007(VOL .-V)/_____

Dated : .08.2013

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 G.M., (RTC), 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 Ditribution), RSP, Rourkela
The Manager (Elect.), JINDAL, Duburi	The G.M, VEDANTA, Jharsuguda	The G.M.(Elect.), BHUSAN, Budhipadar
The Member Secy., (GCC), Room No. 9 & 10, Finance Wing Building, OPTCL, Bhubaneswar	The MD., SOUTHCO, Berhampur	The C.O.O., CESU, Bhubaneswar
The M.D., NESCO, Balasore	The M.D., WESCO, Burla	The S.E, Machhakund

Sub: Minutes of 69th Power System Operational Co-ordination meeting held on 12.07.13 at PTC, Chandaka.

Sir,

Please find enclosed herewith the minutes of 69th Power System Operational Co-ordination meeting held on 12.07.13 at Power Training Center, Chandaka.

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.