

STATE LOAD DESPATCH CENTRE

OFFICE OF THE CHIEF LOAD DESPATCHER

ODISHA POWER TRANSMISSION CORPORATION LIMITED

GRIDCO Colony, P.O.- Mancheswar Rly. Colony, Bhubaneswar-17, FAX-0674- 2748509

CIN - U40102OR2004SGC007553

No-SGM (PS)-PL-15/2015 / 3628 (43)

Dated 15.09.2016

From:

The Chief Load Despatcher
SLDC, OPTCL, Bhubaneswar-17.

To:

As per distribution list

Sub: Minutes of 100th PSOC meeting held on 27.08.2016 at Hotel Sandy's Tower, Bhubaneswar

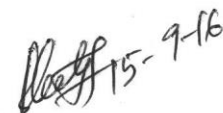
Sir,

Please find enclosed herewith the minutes of 100th Power System Operational Co-ordination meeting held on 27.08.2016 at Hotel Sandy's Tower, Bhubaneswar.

This is for your information & necessary action.

Encl: As above

Yours faithfully;


Chief Load Despatcher,
SLDC, OPTCL

Copy along with enclosures forwarded to the Executive Assistant to CMD, Gridco / OPTCL for kind information of CMD.

Distribution list

1. The Director (Operation), OHPC, Bhubaneswar
2. The CGM (O&M), OPTCL, Bhubaneswar.
3. The CGM (Const.), OPTCL Bhubaneswar.
4. The CGM (RT&C), OPTCL, Bhubaneswar.
5. The CGM (PP), GRIDCO, Bhubaneswar.
6. The CGM (Telecom), OPTCL, Bhubaneswar.
7. The CGM (IT), OPTCL, Bhubaneswar.
8. The Sr. G.M (Const)-I, OPTCL, Bhubaneswar.
9. The Sr. G.M (Const)-II, OPTCL, Sambalpur.
10. The Sr. G.M (CPC), OPTCL, Bhubaneswar.
11. The Sr. G.M (CP), OPTCL, Bhubaneswar.
12. The Sr. G.M. (O&M), Zone-I, Narendrapur.
13. The Sr. G.M.(O&M), Zone-II, Meramundali.
14. The CEO, CESU, Bhubaneswar.
15. The A.O., WESCO Utility, Burla
16. The A.O., NESCO Utility, Balasore
17. The A.O., SOUTHCO Utility, Berhampur.
18. The Member Secretary (GCC), OPTCL.
19. The ED, Power Grid Corporation of India, Bhubaneswar.
20. The Sr. G.M. (El.), BHEP, Balimela
21. The A.G.M. (El.), CHEP, Chiplima
22. The Sr. G.M. (El.), UIHEP, Mukhiguda
23. The Sr. G.M. (El.), RHEP, Rengali
24. The D.G.M. (El.), HHEP, Burla
25. The D.G.M. (El.), UKHEP, Bariniput, Koraput
26. The S.E. (O&M), Machhakund
27. The DGM (Elect.), IbTPS, OPGC, Banharpali.
28. The Vice President (O), IMFA, Choudwar.
29. The D.G.M. (O&M), NTPC (TTPS), Talcher.
30. The AGM (Elect.), JINDAL Stainless Ltd., Duburi
31. The G.M, HINDALCO, Hirakud.
32. The G.M.CPP, NALCO, Angul.
33. The Director, M/s. Jindal Steel & Power Ltd., Angul
34. The AVP-Vedanta Ltd (IPP), Jharsuguda
35. The G.M, Vedanta Ltd (CGP), Jharsuguda.
36. The DGM (Power Distribution), RSP, Rourkela.
37. Joint President, Aditya Aluminium Ltd., Lapanga, Sambalpur
38. The G.M.(Elect.), Bhusan Steel Limited. Meramundali
39. The G.M. (Elect.), Bhusan Power & Steel Ltd, Budhipadar.
40. The G.M.(Elect.), IFFCO Limited.
41. Director & COO, GMR Kamalanga Energy Limited, Satyanagar, Bhubaneswar.
42. The CEO, Bhubaneswar Power Pvt. Ltd, IRC Village, Nayapalli, Bhubaneswar

Odisha Power Transmission Corporation Ltd. Bhubaneswar.

Minutes of 100th PSOC meeting held on 27.08.2016 at Hotel Sandy's Tower, Bhubaneswar

List of participants is at Annexure.

The historical 100th PSOC meeting was held at Hotel Sandy's Tower, Bhubaneswar. On this auspicious occasion, CMD, OPTCL and Gridco has inaugurated the meeting in presence of Principal Secretary, Department of Energy, Government of Odisha, who was the Chief guest of the function. Director (Finance) and Director (HRD), OPTCL also attended the inaugural function.

Chief Load Despatcher welcomed all the respected guests and members to the auspicious 100th Power System Operational Coordination meeting. He highlighted the remarkable achievements made through this forum for resolving several important issues relating to power sector of the State. He also highlighted the inspiration & encouragement of CMD, OPTCL for successful conduct of 99 meetings and achievements of such objectives. He also expressed his gratitude to the Principal Secretary, Energy for extension of his kind support and encouragements to various activities of SLDC during his visit to SLDC.

CMD, OPTCL in his address emphasized the significance of power system operation for maintaining the security of the complex national grid and discipline thereof. Apart from financial and commercial performance, technical performance plays an important role in power sector. However, through constant effort and coordination by this forum, the Voltage and frequency profile of the State system have been improved considerably. State's Machhakund share has been utilized and the over drawal of distribution utilities has been controlled.

Principal Secretary to Govt. Deptt of Energy in his address told that, on implementation of several Govt. sponsored schemes, the number of electricity users in the State is increasing. Also the State has signed a document for 24 X 7 supply of electricity to all the users with Govt. of India. In view of this, the Power System Operational coordination Committee meeting plays a vital role.

Director Finance in his address told that the role of SLDC is very significant in maintaining the Central Sector drawal schedule of the State. He recalled the achievements made by SLDC in earlier period for commercial gain by the state through UI.

Director (HRD) in his address wished all success to the PSOC forum.

The inaugural function ended with vote of thanks to all the guests by GM (GO), SLDC.

Technical Session

Chief Load Despatcher, SLDC, OPTCL again welcomed all the participants to the 100th Power System Operational Coordination meeting and highlighted the system performance during the month of July'2016 and overall power scenario of the State. He also emphasized on the drawal by all the Discoms during the month.

The meeting was chaired by Director (Operation), OHPC

D.G.M.(SS), SLDC took the agenda items for discussion.

The review proceeded as follows:

1: Confirmation of minutes of 99th PSOC meeting held on 24.07.2016

The minutes of meeting was circulated vide letter No. SGM (PS)-PI-15/2015/2318⁽⁴³⁾ dated 09.08.2016 to all the members and also uploaded in the SLDC website. No comment has been received from any of the members.

Deliberation in the meeting:

Since no comments have been received from the members, the minutes of 99th PSOC meeting was confirmed.

PART A: List of items

List of items to be discussed in the meeting are given in the subsequent parts

PART B : SYSTEM PERFORMANCE

B1: Review of Grid Performance for the month of July'2016.

(A) Frequency

It was noticed that, during the month of July'16, **80.09** % of times the frequency remained in the IEGC band i.e. 49.90Hz - 50.05Hz in comparison to **78.29** % during the month of July'16. The maximum and minimum System frequency during the month was **50.25 Hz & 49.78 Hz** respectively.

(B) Grid demand

Grid demand for the month of July'16 was reviewed. The average consumption during the month was **3182 MW**. The maximum System demand of **4072 MW** occurred on **23.07.16** at 21:00 Hrs and minimum demand of **2609 MW** occurred on **31.07.16** at 15:00 Hrs.

Deliberation in the meeting

It is observed that the average demand during the month of July' 16 has been increased by 50 MW and the peak demand was increased by 20 MW from that of June'16. The average energy consumption during the month has been increased by 98 MW in comparison to July'15.

(C) Voltage Profile of important Sub Stations in OPTCL System during the month of July'16.

The Voltage profile at different 220 kV buses in OPTCL system during the month of **July'16** was reviewed.

Deliberation in the meeting:

The maximum Voltage of **243.98 kV** occurred at Jaynagar 220 kV bus while Narendrapur, 220 kV bus has experienced the minimum Voltage of **182.26 kV**. Bus Voltages at Samgara and Lapanga could not be incorporated due to non availability of energy meter in those S/Ss.

O&M stated that order for procurement of Energy Audit meters will be placed within a week.

Narendrapur Voltage profile can be improved after charging 220 kV bus of Pandiabili PG S/S.

[Action: CGM (O&M)]

(D) Loading of 220/ 132 kV Auto at 220 kV S/Ss in OPTCL system for the month of July'16.

Auto loading of all 220 kV S/Ss was reviewed. It was noticed that some of the ICTs have not been provided with energy meter.

Deliberation in the meeting:

It was deliberated that order for procurement of Energy Audit meters will be placed within a week.

[Action: CGM (O&M)]

(E) DISCOM Drawal during the month of July'16

The schedule and actual energy drawal by Discoms for the month of **July'16** was reviewed.

Deliberation in the meeting:

It was noticed that WESCO Utility had overdrawn 14.32 MU followed by NESCO 12.225 MU and Southco 9.806 MU during the month, while CESU was almost in the schedule during the month.

NESCO Utility stated that they had overdrawn due to post-facto revision of Open Access import in their schedule.

SLDC stated that the NESCO / Other Dist. Utilities may come to SLDC with such instances for discussion.

[Action: All Distribution Utilities / SLDC]

(F) Energy Generation / import during the month of July'16

Energy generation and exchange during the month of July'16 was reviewed. The total quantum of energy drawn from all the generation sources including Central Sector Share and CGP/IPP support during the month was **2409.57 MU**.

(G) Drawal of Machhakund Power during the month of July'16

The drawal of Machhakund power during the month of July'16 was **27.531 MU** against AP drawal of **31.460 MU**.

In the 99th PSOC meeting it was decided that:

- Sr. GM (O&M) -I shall explore optimization of Machhakund drawal.
- OHPC should raise the issue in the monthly joint meeting with Machhakund authority. Sr. G.M (O&M)-I should also participate in the monthly meeting.
- Southco shall take initiative for installation of breaker for its distribution feeders emanating from Machhakund PH to prevent the units from tripping due to fault at distribution network.

Deliberations in the meeting:

Sr. G.M (O&M)-I stated that in Up to 50 MW of Machhakund power can be drawn by providing matching load.

SLDC stated that proposal for procurement of RVDU has been approved by CMD. C.G.M (Telecom) may take necessary action in this regard. High level meeting for discussion of Machhakund issue is yet to be held.

[Action: Sr.GM (O&M)-I / OHPC / Southco / Gridco / SLDC]

(H) Under Frequency relay operation in OPTCL System during the month of July'16.

There is no UF Relay operation occurred during the month of July'16 as the frequency had never gone beyond 48.50 Hz.

(I) Status of Open Access applications during the month of July'2016

Status of Open Access Applications received and disposed by SLDC was reviewed.

PART C – Issues raised in the 124th OCC meeting of ERPC to be held on 23.08.2016

C.1: Status of projects funded under PSDF schemes

In the PSDF review meeting held on 29.04.16 at N. Delhi, it was advised to RPCs to monitor the status of all the projects funded by PSDF. Therefore, constituents are requested to update the status of projects which are being funded by PSDF in the desired format. The latest status as updated by OPTCL is as given below:

Sl No	Name of Constituent	Name of Project	Date of approval from PSDF	Target Date of Completion	Amount Approved (in Rs.)	Amount drawn till date (in Rs.)	Status as updated in 122 nd meeting
3	OPTCL	Renovation & Up-gradation of protection and control systems of Sub-stations in the State of Odisha in order to rectify protection related deficiencies.	11.05.15	10.05.17	162.5 Cr.	4.91 Cr.	Erection work of the already procured equipment is going on. LOA for eight different types of Testing equipment already placed worth about Rs.4 Cr. Placement of LOA for balance equipment is under process. Tender for Sub-station automation will be floated in July-2016.

Deliberations in the meeting

O&M stated that erection work for earmarked equipments is going on. Tender for Sub-station automation will be floated in September'2016. Fresh LoA for Rs 5.16 Crs. is ready for award.

[Action: CGM (O&M)]

C.2: Operational Load Flow Study for Off Peak Period

Under PSDF funded project for Creation of protection database M/s PRDC have carried out an operational load flow study based on peak data of 26.05.2016. The report is available in ERPC website. During discussions on the study a need was felt for a similar study based on Off-peak conditions.

It was decided in the OCC meeting of ERPC that the data in respect of all the substations are to be recorded at **13:00 Hrs on 27.08.2016 & 03:00 Hrs of 28.08.2016** to ERPC. The CGP injection / drawal are also to be recorded. Any up-date in the transmission network needs to be reported to ERPC / ERLDC in the format.

Deliberations in the meeting

SLDC stated that the format has been mailed to O&M. Required data may be forwarded to ERPC directly.

[Action: CGM (O&M)]

C.3: Restoration of PLCC system of important lines

In 119th OCC, JUSNL informed that the following:

d) In 220 KV Ramchandrapur-Joda line auto-reclosure has been enabled and termination done in PLCC panels at Ramchandrapur end but due to non-availability of PLCC panels at Joda (OPTCL) end the A/R and PLCC scheme could not be implemented.

Further, it was informed that JUSNL is ready to share their standby PLCC panels (BPL make) with WBPDC (for Snataldih end) and OPTCL (for Joda end) to complete the PLCC schemes of both the above lines.

In 33rd ERPC Meeting, WBPDC and OPTCL agreed to settle the issue bilaterally with JUSNL.

JUSNL was advised to resolve the AMC related issues with West Bengal & Odisha. All are requested to inform the development to CERC.

However ERPC advised JUSNL, OPTCL and WBPDC to get the PLCC system restored for both the lines by July 2016 positively.

Subsequently, a special meeting was convened by JUSNL on 11.07.2016 at Ranchi to resolve the issue at the earliest.

In 123th OCC, OPTCL informed that they received the invoice from BPL and they are charging Rs. 1.8 lacs / year for AMC, which is not reasonable as the AMC charges for 5 years is more than the panel cost of Rs.5.1 lacs.

It was decided that cost of panel with one year warranty shall be borne by OPTCL. OPTCL may intimate the commissioning date of the panel to ERPC.

Deliberations in the meeting

CGM (Telecom) stated that approval for procurement of panel has already been obtained from CMD, OPTCL. Order will be placed by next week.

[Action : CGM (Telecom)]

C.4: 220 kV inter-connecting lines of OPTCL with 400/220 kV Bolangir (PG), Keonjhar & Pandiabil S/s
PGCIL has already commissioned the 2x315MVA 400/220kV Bolangir S/s by LILoing of 400 kV Meramandali-Jeypore S/C line and 400/220 kV Keonjhar S/s with an objective of supplying power from ER grid to its adjoining areas in Odisha.

In 124th OCC, OPTCL updated the completion schedule of inter-connecting system as follows:

Sl. No.	Name of the transmission line	Completion schedule
1.	2 X 315MVA 400/220kV Bolangir S/s	
a.	LILo of one circuit of Sadeipalli-Kesinga 220 kV D/C line at Bolangir S/S.	Only 7 towers left (Severe ROW problem as those locations are inside Bolangir town). By Dec, 2016.
b.	LILo of one circuit of Katapalli-Sadeipalli 220 kV D/C line at Bolangir S/S.	Charged on 04.05.16
2.	400/220 kV Keonjhar S/S.	
a.	Keonjhar (PG)-Keonjhar (OPTCL) 220 kV D/C line	By December 2016
b.	Keonjhar (PG)-Turumunga (OPTCL) 220 kV D/C Line.	To be connected to 220/132 kV S/S Turumunga. By 2019
3.	400/220 kV Pandiabil Grid S/s	
a.	Pratapsasan(OPTCL)-Pandiabil (PG) 220 kV D/C line	December 2017
b.	LILo of one circuit of Atri-Puri (Samangara) 220 kV D/C line at Pandiabil (PG)	December'2016

[Action: CGM (Const)]

C.5: Preparation of crisis management plan for Cyber Security in Power Sector in line with CERT-IN.

The activity of the preparation of Crisis Management Plan for countering the cyber attacks and its implementation including the Mock Drills, audits etc. is being monitored by CEA regularly in line with crisis management plant of Ministry of Power. Power Utilities (including generation, transmission & distribution utilities) of eastern region are to furnish regularly, the updated status to Chief Engineer, Distribution Planning & Development Division, CEA.NTPC communicated their activity of the preparation of Crisis Management Plan for countering the cyber attacks vide letter dated 2nd August, 2013.

In 113th OCC, Member Secretary informed that during interaction with consultants of Grid Study Committee, NLDC agreed that they will plan for conducting workshops on crisis management plan for Cyber Security and few workshops will also be held in Eastern Region.

In the 99th PSOC meeting CGM (IT) stated that the date of tender opening extended up to 29th July'16.

Deliberations in the meeting

CGM (IT) stated that Techno-commercial bid for appointment of consultant has been opened and under scrutiny. Price bid will be opened during the month of August'2016.

[Action: CGM (IT)]

C.6: Certification through BIS as per IS 18001:2007 to all generating/ transmission units.

In 84th OCC meeting all constituents were requested to interact with BIS with intimation to ERPC and get certified as per CEA direction.

In 85th OCC, NTPC informed that NTPC-Farakka has been certified with IS 18001. Other constituents including OHPC requested to interact with BIS with intimation to ERPC and get certified as per CEA direction. The matter is getting reviewed by highest authorities with top priority.

In the 99th PSOC meeting CGM (O&M) stated that BIS have not responded. OPTCL is examining to go for tender.

Deliberations in the meeting

O&M stated that "Expression of Interest" for providing consultancy has been floated

[Action: CGM (O&M)]

C.7: Implementation of Automatic Demand Management Scheme

OPTCL vide mail dated 24.02.2016 pointed that Hon'ble CERC vide their order dated 31.12.2015 passed in Sou-motu Petition No.- 5/SM/2014 in the matter of non-compliance of Regulation 5.4.2 (d) of IEGC directed all Respondents (SLDCs) for implantation of ADMS in their respective control area. CERC have allowed dead line till 30.06.2016 to the Respondent for implementation of ADMS. Failing which they will be liable for action under Section 142 of the Act.

In response to the offer for providing consultancy for implementation of ADMS, two numbers firms have given presentation on dated 03.06.16 at PTC, Chandaka.

Subsequently, one of the above participants has responded to the financial bid which is under scrutiny.

A team of officers of SLDC and Telecom will visit Gujarat to interact regarding implementation of the scheme. Chemtrol has agreed to provide hardware and software for additional cost.

In the 99th PSOC meeting it was decided that the Discoms shall identify the 33 kV / 132 kV feeders to be covered under the ADMS by 29th July'16 and intimate to CGM (Telecom) / SLDC, so that the purchase order can be placed.

Deliberations in the meeting

All Discoms have ensured to identify 33kV feeders to be integrated to RTU for ADMS. The report of the team regarding implementation of ADMS in Gujarat shall be placed in the next meeting

[Action: All Discoms / CGM (Telecom) / SLDC]

C.8: Mock Black start exercises in Eastern Region

As per the schedule, mock black start exercise in respect of Rengali, & Burla are to be carried out during August'16.

Deliberations in the meeting

SLDC stated that Mock black start exercise for Burla PH has done during the month of July'2016. The exercise for Rengali PH will be conducted during 1st week of September'2016.

[Action: OHPC / SLDC]

PART-D – Operational Issues

D.1: Non-compliance of drawal schedule by DISCOMs

Non compliance of drawal schedule messages issued to Discoms during the month of **July'16** was reviewed.

It is noticed that WESCO had overdrawn to the tune of 14.323 MU followed by NESCO to the tune of 12.225 MU & SOUTHCO to the tune of 9.806 MU while CESU has over drawn 2.919 MU.

Deliberations in the meeting.

NESCO Utility stated that due to post-facto in-incorporation of import by their embedded industries through open access transaction, they could not monitor their drawal correctly. All the Discoms were advised to discuss the issues with SLDC to comply their drawal schedule to maintain grid discipline and security.

[Action: SLDC / All Discoms]

D.2: Revival of Station Transformer for Station Auxiliary supply at Balimela HEP.

It was suggested in earlier meetings for revival of station supply for Balimela HEP from Balimela Grid S/S.

In the 99th PSOC meeting Southco stated that the meters at Balimela PH will be installed by 31st August 2016. CLD, SLDC stated that separate metering arrangement is required for recording of colony consumption at Balimela and Upper Indravati.

Deliberations in the meeting

Southco stated that the meter at Balimela feeder will be installed within a week time. Metering issue of Balimela and Upper Indravati Colony consumption will be discussed with OHPC.

[Action: SOUTHCO / OHPC]

D.3: Prolonged outage of transmission elements and tentative revival dates

The tentative revival dates of transmission elements are updated in the last meeting are as follows:

Sl.No	Name of transmission element	Reason of outage	Probable date of revival
1	400kV Meramundali-Mendhasal ckt.	Tower Collapse at Loc-180, 181 & 182	Due to water logging near the locations, revival will take time.
2	400kV Meramundali-Vedanta ckt.	Tower Collapse at Loc-34 & 35	August'2016

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

D.4: Communication issues

Installation of communication equipment by CGPs / Industries.

The status of data communication from CGPs as deliberated in the last meeting is as follows.

Sl.	Name of CGP	Present status
1	M/s IFFCO, Paradeep	Outdoor commissioning work completed. RTU was locally tested. After replacement of the faulty CVT, data will be integrated.
2	M/s MSP Mettalicks	PLCC / RTU installed. Database has already been prepared by OPTCL. Final RTU integration with OPTCL system by the vendor is awaited.
3	M/s NINL, Duburi	M/s NINL has requested for Scheme, BOQ for PLCC / SCADA, which has been forwarded by OPTCL. No action has been taken by NINL so far.
4	M/s Rohit Ferro tech	PLCC established and inspection by Telecom Engineers completed. Database has already been prepared by OPTCL.
5	M/s Vedanta Ltd. (IPP), Jharsuguda	All data stopped reporting since March 2016
6	Vedanta(9X 135 MW)	Some CB / Isolators and kV / Hz point yet to be provided. No response.

7	JSPL, Angul	Status not reporting.
8	BPSL	No DATA
9	CONCAST	No kV/Hz.
10	BSL	No Hz .
11	JSL	No Bus kV
12	TSIL	
13	VISA	
14	Paradeep	Data not available at ERLDC
15	Bolangir (New)	Data not available at ERLDC

In the 99th PSOC meeting, Vedanta Ltd stated that data communication system from 9x135 MW units has been revived on 15th June 2016.

It was also decided that GCC, OPTCL may file a case before the OERC through RT&C wing of OPTCL against those CGPs not complying the data communication provisions with SLDC.

GCC / O&M / RT&C/ C.G.M. (Telecom.) may please deliberate.

D.5: Web based drawal / generation scheduling.

SLDC is going to implement web based drawal / generation scheduling for Dist. Utilities and State generating stations including IPPs and CGPs soon.

SLDC had organized training on web based scheduling on 11.05.2016 for all the CGPs connected with OPTCL network. The feedback of the CGPs has been forwarded to IT wing.

In the 99th PSOC meeting CGM (IT) stated that the issues identified by SLDC have been resolved. SLDC may implement the Web based scheduling for GGPs and subsequently for other generators and Discoms.

Deliberations in the meeting

SLDC stated that some issues are still pending to be resolved. CGM (IT) stated that all issues are sorted out by end of September'2016. The web based scheduling may be implemented from 1st October'2016.

[Action: CGM (IT) / SLDC]

D.6: Implementation of Automatic Meter Reading for OPTCL-Discom interface points.

The work for Automatic Meter Reading (AMR) for all the interface points is in progress.

It was deliberated that that from 1st March onwards the AMR shall be made "Go live". Data will be available after one hour lapses of time.

In the 99th PSOC meeting CGM (IT) stated that software for AMR has been developed. The AMR will deliver 15 minute block data. However, the data cannot be utilized in the dashboard for real time monitoring due to mismatch of data pulling time from different locations. Further these data may not be used for ToD billing purpose by Discoms.

Deliberations in the meeting

CGM (IT) stated that by end of August'2016 testing of all meters of CESU control area will be completed for billing purpose. SLDC may check August data from both the meters.

[Action: SLDC / CGM (IT)]

D.7: Software for Deviation charge billing.

Hon'ble OERC may notify "Intra State Deviation settlement and related matters" Regulation at any time. For implementation of the regulation, required software for Deviation Charge billing need to be developed and tested. CGM (IT) may take necessary steps for development of the software.

In the 99th PSOC meeting CGM (IT) stated that M/s TCS will furnish their offer by 27th July 2016 for software development.

Deliberations in the meeting

CGM (IT) stated that M/S Infosys contract need to be closed before award of contract to any other Vender. SLDC shall issue a certificate for Infosys activity indicating the items completed.

[Action: SLDC /CGM (IT)]

D.8: Outage Planning of Transmission elements

It is noticed that “Emergency Shutdown permission request” for transmission elements are being received by SLDC from field units of O&M for the next day. Such shut downs should be treated as planned shutdown. Further shutdown of important transmission elements are being sent by AGM / DGM without the knowledge of GM /CGM. This issue had also been discussed earlier. All field units of O&M may be instructed to distinguish the planned and emergency shutdown. Further shutdown proposal of important transmission elements must be intimated to the higher authority.

Deliberations in the meeting

It was decided that SLDC may examine and decide the type of shutdown proposals before approval. Shutdown for important transmission elements, which are nor routed through GM/ SGM level may not be considered for approval.

[Action: SLDC]

D.9: PAFM for OHPC Stations

It was decided in the earlier meeting that any discrepancy relating to PAFM for hydro stations shall be intimated to SLDC in the next month. OHPC has requested to revise PAFM of Burla PH for the month of April’2015 after lapses of 16 months.

Deliberations in the meeting

OHPC have agreed to intimate the discrepancy by next month in future.

[Action : OHPC]

D.10: BPPL Issue

- 1) High Voltage during off peak hrs in Aarti-Choudwar ckt lead to tripping of BPPL unit.
- 2) Isolation of 132 kV Choudwar-Bidanasi ckt lead to over Voltage.
- 3) Bidanasi-BPPL-Chandaka circuit has been kept open at Chandaka end, which reduces the flexibility of evacuation. In case of any disturbance at Bidanasi end the unit gets islanded incurring financial loss.
- 4) Line breakers relay set point to be reviewed for both LILO connectivity (Bidanasi-Chandaka as well as Aarati-Chowduar) in order to avoid unnecessary tripping during line fault.
- 5) In spite of all communication that had taken place between SLDC and CESU regarding wheeling of Power to M/s TS Alloys from BPPL, CESU never consider the above transaction on time and releases monthly invoices late regularly, for which BPPL has to face problems in calculating above wheeling of power with TS Alloys and settling electricity duty with Govt. of Odisha.

Deliberations in the meeting

SLDC stated that after parallel operation of both the generators the high Voltage problem may be resolved. CESU have assured to take up the matter with the concern Executive Engineer. BPPL stated that parallel operation will be done by 15th September’2016.

[Action : CESU / BPPL]

D.11: DISCOM Issues

CESU

A. CESU has identified technical issues relating to early completion of ongoing S/Ss, augmentation of EHT S/S capacity, conversion of S/C line to D/C, bay extension at different S/Ss etc.

B.

- (i) Mismatch of SCADA drawal with the billing meter during May' 16.
- (ii) Fixed data indicated on dashboard may be converted to variable for accurate drawal display.
- (iii) Provision of on line recording of drawal data for CESU on real time basis.
- (iv) Gridco to facilitate for realizing the long outstanding dues of CESU from WESCO & NESCO.
- (v) Suspected data of ESSAR, BPPL, OPCL, IMFA- I & II
- (vi) Instant implementation of schedule revision.

Deliberations in the meeting

It was deliberated that CESU may take up the technical issues with CGM (O&M) / CGM (Const), OPTCL. SLDC stated that the fixed data of 33 kV Inter Discom feeders shall be changed after integration of those 33kV feeders with SCADA. The revision of drawal schedule shall be done as per OGC Regulation.

[Action: CESU]

NESCO

Monthly interruption report of EHT consumers under NESCO Utility may kindly be provided to the Corporate office.

Deliberations in the meeting

SLDC stated that the shutdown of EHT consumer feeders is being intimated to the Discoms.

[Action: NESCO]

PART E: OPERATIONAL PLANNING

E.1: Commissioning status of New Transmission elements.

The status of commissioning of new transmission elements is as follows:

Sl. No	Transmission element details	Present Status
1	Commissioning of 220 kV Jayanagar-Jeypore 2 nd DC line	Work has already been started. Expected to be completed by December' 2016.
2	Commissioning of 400 kV Meramundali-Mendhasal 2nd ckt	Line is ready and shall be charged after commissioning of 3 rd ICT at Mendhasal, which is under progress. ICT is at BHEL factory. Expected by March'2017.
3	Commissioning of 220 kV Bidanasi-Cuttack line	Work in progress and expected to be completed by August' 2016.
4	Commissioning of 220/132 kV Cuttack S/S	Work in progress and expected to be completed by August' 2016.
5	Commissioning of 132 kV Baripada (PG)-Jaleswar line	Work has already been started, which will be completed by March 2017.
6	Commissioning of 220/132 kV Kesinga S/S	Work under progress. Expected by December' 2017.

Status of Discom's action plan for power drawal from the S/Ss commissioned / expected to be commissioned:

Sl. No	Name of the sub-station	Probable month of commissioning	Name of DISCOM	Action taken by Discoms
1	132/33kV, 2x20 MVA Khajuriakota	July'16	CESU	Action being taken
2	220/33kV, 2x20 MVA Banei	Dec'17	WESCO Utility	Stayed by Court.
3	132/33kV, 2x20 MVA Udala	Dec-17	NESCO Utility	Line existing
4	132/33 kV, 1x12.5 MVA, Mania	Charged	CESU	33 kV line not done by CESU

WESCO shall take action for diversion of 11 kV lines from Jharusuguda S/S.

[Action: CGM(O&M) / CGM(Const.) / All Distribution Utilities]

E.2: Energy Metering at Hydro stations.

Energy meters have already been installed at all hydro stations. Billing for all OHPC stations, except Upper Kolab, is being done from the newly installed energy meters. The energy meters at Upper Kolab are have been rectified in the mean time.

In the 99th PSOC meeting, OHPC stated that Meter installed at Rengali PH for TTPS feeder is not functioning properly and need to be replaced. It was decided that O&M shall take necessary action for rectification of energy meter at Rengali PH. OHPC shall take action for PT replacement at Indravati ICT-II.

On completion of the above energy accounting for hydro stations will be taken up by SLDC.

Deliberations in the meeting

OHPC stated that TTPS feeder meter at Rengali PH is yet to be changed. All check meters at Balimela PH is showing erratic reading. Sr. GM, Indravati PH stated that the CVT at Indravati is ok. O&M may take necessary action for rectification of the meters at those hydro stations, so that energy accounting for hydro stations will be taken up by SLDC.

[Action: O&M / GRIDCO / OHPC/ SLDC]

E.3: Installation of Feeder meters at TTPS.

Meters in all feeders at TTPS have been commissioned. As decided in the 99th PSOC meeting, Energy Accounting for TTPS (NTPC) will be done by considering the newly installed feeder meters from the next billing cycle

Deliberations in the meeting

SLDC stated that billing from feeder meters has already been implemented from July'2016.

E.4: Major Events in the month of July'16

No report of major event has been received by SLDC.

E.5: Important Grid Incidences during the month of July'16.

Important Grid incidents during the month were reviewed. O&M may analyze the incidents for deliberation in the OCC meeting of ERPC.

[Action : O&M]

E.6: Outage of major transmission Elements during the month of July'16. (above 10 hrs).

Outage of major transmission elements above 10 hours during the month was reviewed. Most of the outages are due to conductor snapping and jumper snapping.

E.7: Review of Outage Program of State Generators / Transmission elements for the month of September'16:

Tentative Outage programme for State Generators for the month of **September'2016** are as follows:

Sl.	Station	Unit	Period	Remarks
1	Burla	# 2 # 6 # 1	22.07.16 to 31.10.16 17.02.14 to continue 14.08.16 to 25.08.16	Capital Maintenance Under R, M & U Intake gate problem
2	Chiplima	# 3	15.02.14 to continue	TGB problem and started R,M & U
3	Balimela	# 1	31.01.13 to continue	TGB problem Programming for R,M & U
4	TTPS	# 1	10.09.16 to 24.09.16	Boiler overhauling

[Action: OHPC / SLDC]

E.8: Generation Program for the month of September'16.

Generation schedule for the month of September'16 furnished by OHPC are given below.

Name of Hydro Gen. Station	Generation Programme (MW)		Reservoir Level as on 01.08.15	Reservoir Level as on 01.08.16	MDDL	High Flood Reservoir Level
	Sept'16 (1 st fortnight)	Sept'16 (2 nd fortnight)				
HPS-I, Burla	150	150	608.39ft	609.08 ft	590 ft.	630 ft.
HPS-II, Chipilima	40	40	-	-	-	-
Balimela	200	200	1484.30 ft	1484.40 ft	1440 ft.	1516 ft.
Rengali	200	200	119.92 mt	115.02 mt	109.72m	123.5 mtr.
U.Kolab	110	110	850.79 mt	850.93 mt	844 mtr	858 mtr.
U. Indravati	200	200	630.37 mt	632.88 mt	625mtr	642 mtr
MKD (O/D)	30	30	2725.30 ft	2727.20 ft	2685 ft.	2750 ft.
TOTAL	930	930				

E.9: Anticipated power generation and demand for the month of September'2016.

Sl. No	Discom	Average	Peak
1	CESU	1050	1450
2	WESCO	900	1150
3	NESCO	850	1000
4	SOUTHCO	420	520
6	Total	3350	4120
Availability			
1	Hydro	930	1550
2	State Thermal	750	750
3	IPP, small hydro &RE	750	710
4	ISGS share (including OA)	850	1000
5	CGP support (OA)	150	150
6	Total availability	3430	4160
7	Surplus / Deficit	80	40

[Action: SLDC / OHPC]

PART F: OTHER ISSUES

All members expressed their gratitude to Er. P. C. Tripathy, CGM (O&M), OPTCL, who is going to retire from service on superannuation by end of this month for his guidance and advice. PSOC will remember his valuable advices and the foot prints he has left for all times with deep regard.

F.1: The meeting was ended with vote of thanks to all the members and M/s Tata Steel Ltd, Kalinganagar for organizing the meeting.

F.2: Date and Venue of the next (101st) PSOC meeting.

It was decided that the 101st meeting shall be held at Hotel Sandy's Tower, Bhubaneswar under the aegis of M/s Vedanta Limited. The date of 101st PSOC meeting will be intimated to all members. Vedanta may confirm.

List of participants in the 100th PSOC meeting dated 27.08.2016
100th Power System Operational Co-ordination Committee Meeting
[At 10:00 A.M. on 27.08.2016]
[At Hotel Sandy's Tower, Bhubaneswar]

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