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STATE LOAD DESPATCH CENTRE
ORISSA POWER TRANSMISSION CORPORATION LIMITED
GRIDCO Colony, P.O.- Mancheswar Rly. Colony, Bhubaneswar-17, FAX-0674- 2748509
CIN: U40102OR2004SGC007553

No-SGM (PS)-PL-15/2019/ 1017 (46)

Dated: 12.05.22

From:

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

To:

As per distribution list

Sub: Minutes of 144th PSOC meeting held on 17.03.2022 through video conferencing.

Sir,

Please find enclosed herewith the minutes of 144th Power System Operational Co-ordination meeting held on 17.03.2022 through video conferencing.

This is for your information & necessary action.

Encl: As above

Yours faithfully;

Director/Chief Load Despatcher,
SLDC, OPTCL

- (i) Copy along with enclosures forwarded to the Executive Assistant to MD, OPTCL for kind information of MD.
- (ii) Copy along with enclosures forwarded to the Executive Assistant to MD, GRIDCO for kind information of MD.

Distribution list

1. The Director (Trading), Gridco, Bhubaneswar
2. The Director (Operation), OPTCL, Bhubaneswar
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4. The Director (Operation), OHPC, Bhubaneswar
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9. The CGM (IT.), OPTCL, Bhubaneswar.
10. The Sr.GM (Telecom), OPTCL, Bhubaneswar.
11. The G.M. (RT&C), OPTCL, Bhubaneswar.
12. The C.G.M. (PP), GRIDCO, Bhubaneswar.
13. The C.G.M (CP), OPTCL, Bhubaneswar.
14. The CEO, TPCODL, Bhubaneswar.
15. The CEO, TPWODL, Burla
16. The CEO, TPNODL, Balasore
17. The CEO, TPSODL, Berhampur.
18. The Member Secretary (GCC), OPTCL.
19. The ED, Power Grid Corporation of India, Bhubaneswar.
20. The Unit Head, BHEP, Balimela
21. The Unit Head, CHEP, Chiplima
22. The Unit Head, UIHEP, Mukhiguda
23. The Unit Head, RHEP, Rengali
24. The Unit Head, HHEP, Burla
25. The Unit Head, UKHEP, Bariniput, Koraput
26. The S.E. (O&M), Machhakund
27. The C.G.M, TTPS, NTPC
28. The DGM (Elect.), IbTPS, OPGC, Banharpali.
29. The Vice President (O), IMFA, Choudwar.
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.
43. M/S Tata Power & Steel Ltd., Kalinganagar.
44. M/S BEL, Badamal, Bolangir.

Odisha Power Transmission Corporation Ltd. Bhubaneswar.

Minutes of 144th PSOC meeting held on 17.03.2022 through Video Conferencing

Director/Chief Load Despatcher, SLDC, OPTCL welcomed all the participants to the 144th Power System Operational Coordination meeting and highlighted the system performance during the period from April 2021 to February 2022 and overall power scenario of the State.

Asst. Manager, SLDC took the agenda items for discussion.

The review proceeded as follows:

1: Confirmation of minutes of 143rd PSOC meeting held on 07.10.2020

The minutes of meeting was circulated vide letter No. SGM (PS)-PI-15/2019/4012(49) dated 23.11.2020 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 143rd PSOC meeting was confirmed.

PART B: SYSTEM PERFORMANCE

B1: Review of Grid Performance for the month of February'2022.

(A) Frequency

It was noticed that, during the month of February'2022, **77.98 %** of times the frequency remained in the IEGC band i.e. **49.90Hz - 50.05Hz** in comparison to **76.80 %** and **73.84%** during the month of January'2022 and December'2021 respectively. The maximum and minimum System frequency during the month was **50.26 Hz** & **49.54 Hz** respectively.

Deliberations in the meeting

SLDC stated that the percentage of times of frequency in the IEGC band has been increased. The frequency ("above 50.05 Hz") range has been decreased from 16.83 % to 15.57 % in comparison with the previous month. The low frequency range 49.7-49.9 Hz has increased from 6.36% to 6.39%. The overall frequency during the month has been improved.

(B) Grid demand

Grid demand upto the month of February'2022 was reviewed. The average consumption during the month was **4364MW**. The maximum System demand of **5425 MW** occurred on **28.02.22** at 20:00 Hrs and minimum demand of **3397 MW** occurred on **02.02.22** at 22:00 Hrs.

Deliberation in the meeting

It is observed that the average demand during the month of February'2022 has increased substantially to the tune of 431 MW and the maximum demand has also increased by 323MW. The increase in demand might have been due to increase of power import by Vedanta Ltd through Open Access transaction and weather condition during the month.

(C) Voltage Profile of important Sub Stations in OPTCL System during the month of Feb'22.

The Voltage profile at different 220 kV buses in OPTCL system during the month of **February'22** was reviewed.

Deliberations in the meeting

The maximum Voltage of **248.77 kV** occurred at Jayanagar **220 kV bus.**, while **Keonjhar GIS 220 kV bus** has experienced the minimum Voltage of **208.53 kV**.

(D) Loading of 220/ 132 kV Auto Transformer at 220 kV S/Ss in OPTCL system for the month of Feb'22.

Auto Tfr and ICT loading of all 400/220 & 220/132 kV S/Ss during the month of February'22 was reviewed.

(E) Energy Generation / import during the month of February'22

Energy generation and exchange during the month of February'22 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 **2932.77 MU**.

Deliberations in the meeting

The quantum of energy transaction has increased by 6.57 MU in comparison with previous month.

(F) Drawal of Machhakund Power

The drawal of Machhakund power up to the month of **February'22** are as detailed:

Drawal of Machhakund Power						
Month	Total Generation		Odisha Drawl		AP Drawl	
	MU	Avg (MW)	MU	Avg (MW)	MU	Avg (MW)
Apr'21	44.242	61.447	19.069	26.485	23.337	32.413
May'21	65.926	88.610	27.614	37.116	36.022	48.417
June'21	57.834	80.325	24.981	34.696	30.791	42.765
July'21	65.571	88.133	28.027	37.671	35.514	47.734
Aug'21	69.806	93.825	30.362	40.809	36.997	49.727
Sep'21	49.152	68.267	22.441	31.168	24.653	34.240
Oct'21	56.589	76.060	25.431	34.181	28.934	38.890
Nov'21	55.439	76.999	24.510	34.042	28.779	39.971
Dec'21	63.595	85.477	27.257	36.636	33.866	45.519
Jan'22	78.670	105.739	33.303	44.762	42.515	57.144
Feb'22	60.359	89.820	26.780	39.851	31.250	46.503

In the 143rd PSOC meeting, members opined to maximize the Machhkund drawal by putting matching load.

Presently, Machhkund supply is being availed by Jayanagar, Podagada, Pottangi, Rayagada, Akhusingh, Paralakhemundi, Mohana as per the Machhkund generation availability. Sunabeda can also avail Machhkund supply.

Deliberations in the meeting

PSOC advised OHPC to schedule a meeting with Machhkund through VC in presence of GRIDCO/OPTCL/SLDC. GRIDCO shall communicate to APGENCO/Machhkund regarding shortfall in drawal of Machhkund prior to the meeting. SLDC stated that present load arrangement

of putting load by frequent changeover is not in the interest of the consumers. GRIDCO was requested to explore alternate arrangement and taken up with higher authorities to avoid frequent switching of loads.

[Action: GRIDCO/SLDC/TPSODL]

(H) Under Frequency Relay operation in OPTCL System during the month of February'22.

Since, the frequency had never gone beyond the lowest setting of UFR, there was no UF Relay operation occurred during the month of **February'22**.

(I) Status of Open Access applications during the month of February'2022

SLDC has processed 1063 numbers of Short Term / Medium term and Collective transaction applications for according Approval / Consent / NoC during the month and disposed all.

(J)

Members may note:

1. All requisitions for planned outage of interstate tie lines and 400kV transmission elements which needs ERLDC approval for next month must be sent by 04th of the current month.

2. Requisitions for first time charging of transmission elements must be accompanied with first time charging formats A1-A5, B1-B5 along with clearance from electrical inspector, PTCC clearance in case of line diversion (shifting more than 1km) . In case of ISTS lines, CTU charging instructions and standing committee report must be submitted. The parameters of the elements must be sent in annexure 1-B format. In case of modified elements, B6, B7 & B8 must be submitted. The formats must be sent at least 10days prior to scheduled date of FTC. (ref: Annexure)

3. All OHPC stations are hereby requested that the timings of planned and forced outages and standby declaration of machines must be intimated to SLDC vide Email at hydpafm@sldcorissa.org.in and hydpafm@gmail.com for record and calculation of PAFM..

Deliberations in the meeting

All the FTC formats are available in the SLDC website and must be complied prior to first time charging of the transmission elements. All the members agreed to adhere to the timeline of application of FTC and shutdown requisitions. OHPC assured to intimate the timings of planned and forced outages and standby declaration of machines vide mail to SLDC for PAFM calculation at ease.

[Action:All entities]

PART C – Issues discussed in the earlier OCC meetings of ERPC

C.1: Outage of Important Transmission System.

C.1.1. 220kV Pandiabili - Samangara D/C

220kV Pandiabili-Samangara D/C line tripped on 03-05-2019 during the event of Fani due to Tower collapse. 48 no towers got fully damaged and 12 no towers got partially damaged. Presently the line is charged from Pandiabili end up to location no 58. It is a very important line for supplying power to Puri area and is under outage for more than 2 years.

In the 182nd OCC meeting, OPTCL representative submitted that the restoration work redesigning of tower in view of change of wind zone from Zone 4 to Zone 6 for 220kV Pandiabili - Samangara D/C line is being carried out by PowerGrid. OPTCL representative informed that the line is expected to be restored by March'2022.

In the 183rd OCC meeting, OPTCL representative informed that design of all the tower foundations of subjected line has been changed from open cast to pile foundation-based tower. Therefore, the restoration of the line would take considerable time and so expected by June'23.

In the 184th OCC meeting, OPTCL representative submitted that DA & DD type tower design has already been tested and passed by CPRI, however, the prototypes of DB & DC type tower are under testing. The action plan of the restoration work would be submitted by PowerGrid after successful testing.

In the 185th OCC meeting, OPTCL representative informed that permission for testing of type DB & DC towers has been taken from CPRI but the tentative timelines for completion of test are yet to be received from CPRI.

In the 186th OCC meeting, OPTCL representative informed that the type testing of DB & DC towers is under progress at CPRI. Type testing of DB & DC type tower is expected to be completed by 22nd and 28th December 2021 respectively. Further, the foundation work of towers has also started and is under progress.

In the 187th OCC meeting, OPTCL representative informed that the type-testing for all the towers had been completed at CPRI. The foundation work has been started at three places and the tower materials would be procured shortly.

Deliberations in the meeting

O&M wing stated that Tower DA, DB, DC and DD type tower has been successfully tested at CPRI. Pile foundation work has been completed by PGCIL at 15 locations. Work is likely to be completed by December'2023.

[Action: Construction wing]

C.1.2. 440/220kV 315 MVA ICT 2 at Meramundali:

400KV/220KV 315 MVA ICT 2 at Meramundali tripped on 21-02-2021 due to fire hazard at Meramundali SS and the ICT is under outage since then. Meramundali S/S is serving the important load of the Odisha. Long outage of an ICT at such crucial S/S may hamper the reliability of the Grid.

In the 182nd OCC meeting, OPTCL representative submitted that the old ICT, which was completely damaged, would be replaced by a new one and the replacement work is expected to be completed by 30th Nov'21.

In the 184th OCC meeting, OPTCL representative submitted that the work would be completed by December'21 and mentioned that representative of BHEL (OEM) is yet to visit the site. The civil construction work has been completed and the said transformer is on the plinth.

In the 185th OCC meeting, OPTCL representative informed that they are in constant touch with the OEM and after receipt of some of the materials at the site the erection work is expected to be completed by the end of December 2021.

In the 186th OCC meeting, OPTCL representative informed that some materials are yet to be received for which the order has already been placed. After receipt of materials and arrival of OEM representatives, work would be started and would be completed in another 2 months.

In the 187th & 188th OCC meeting, OPTCL representative informed that the required materials have been received and the work would be started after the arrival of OEM engineers.

Deliberations in the meeting

O&M stated that erection work of ICT-2 at Meramundali has been completed. Oil Pumps have been installed. Some materials are missing as received from BHEL. It will take time to procure the missing materials. Pre-commissioning tests shall be conducted after that and the work is likely to be completed by April last week.

[Action: O&M wing]

C.2: Performance of Primary Frequency Response of Generating Units.

After every event as communicated by ERLDC, the details of frequency response is being shared with the generators but no response is received regarding the reason behind non-satisfactory response. In several discussions with ERLDC, it has been communicated that frequency response of the generators need to be analysed at generator end.

Deliberations in the meeting

OHPC assured of sharing the response of their generators to SLDC after intimation of event from SLDC/ERLDC. OPGC was not present during the meeting.

[Action: OHPC/OPGC]

C.3. Testing of primary frequency response of state generating units by third party agency-- ERLDC

In the 171st OCC Meeting, OCC advised all the SLDC's to prepare the action plan for their state generators and submit the details to ERPC and ERLDC at the earliest.

In the 183rd OCC meeting, OHPC representative submitted that work order has been placed on M/s Solvina and they are planning to conduct the test in the month of Nov'21 for unit#5 of Rengali & Unit #4 of Indravati HEP.

In the 184th OCC meeting, OHPC representative submitted that the order has been placed to M/s Solvina on 3rd Sept'21 and the testing of unit#5 of Rengali & Unit #4 of Indravati HEP are scheduled to be conducted in the month of Nov'21.

In the 186th OCC Meeting, OHPC representative informed that the testing of Primary Frequency Response of all the units of Rengali and Indravati would be done by the 2nd week of January 2022.

Deliberations in the meeting

OPGC was not present during this meeting. Testing shall be done at Rengali and then Indravati by Solvina and testing of two units are likely to be completed by 15th April'2022.

[Action: OHPC/OPGC]

C.4: 220 kV Inter-connecting lines of OPTCL with Keonjhar PG & Pandiabil S/s

In 144th PSOC meeting the status has been updated as follows:

Sl.	Name of the transmission line	Completion schedule
1.	400/220 kV Keonjhar S/S.	
a.	Keonjhar (PG)-Turumunga (220/132 kV) & 220 kV D/C Line.	December'2022
2.	400/220 kV Pandiabil Grid S/s	
a.	Pratapsasan(OPTCL)-Pandiabil (PG) 220 kV D/C	May'2022

Action: [Construction /O&M wing]

C.5: Update on status of telemetry

CERC vide order dated 28.02.2016 on Petition No. 007/SN/2014 directed NLDC and respective RLDCs to update the status of telemetry every month at their respective websites and take up the issue of persistent non-availability of data from Generating Stations/substations at RPC meetings for appropriate action. Major issues are given below:

Issues relating OPTCL Network:

Narsingpur data:

In the 132nd PSOC meeting CGM (Telecom) stated that survey work for Meramundali-Bhanjanagar line is under process. OPGW will be reached at site after completion of survey and preparation of drum schedule.

In the 134th meeting CGM (Telecom) stated that delivery of OPGW has already been started.

In the 135th PSOC meeting DGM (Telecom) stated that replacement of earth wire by OPGW in 220 kV Bhanjanagar-Meramundali is expected by December'2019.

In the 143rd PSOC meeting, GM (telecom) informed that telemetry data of Narsinghpur will be available within one month.

NALCO data: DGM (Telecom) stated that the vendor list and rate will be provided to NALCO for placement of order by them.

In the 137th PSOC meeting, NALCO stated that the estimate has already been received from OPTCL (Telecom). Approval from higher authority is under process.

In the 139th PSOC meeting, NALCO stated that they need protection scheme to be incorporated in the estimate. PSOC advised NALCO to write Telecom wing of OPTCL for revise estimate.

In the 140th PSOC meeting, DGM (Telecom) stated that protection scheme has already been incorporated in the estimate. NALCO representative was not present in the meeting for deliberation.

In the 141th PSOC meeting, NALCO stated that the file is under process by their Finance wing.

In the 143rd PSOC meeting, NALCO intimated that file has been sent for administrative approval to their corporate office and the approval is expected within one month.

Deliberations in the meeting

Telecom wing stated that OPGW work of Narsinghpur has been completed. Voice communication is available. Construction wing need to intervene since GE is not cooperating with SAS work. Tender has been floated for NALCO and accordingly work order shall be placed.

Action: [Construction /Telecom/NALCO]

C.6: Monitoring of Next Six-Month New Element Integration in OCC and Its Update on Monthly Basis --ERLDC

It has been observed that many elements are getting interconnected into the system and beforehand details are not available with the system operator resulting in difficulty in carrying out operational planning activity. In view of this, as a regular agenda all ISTS and ISGS/IPP to update the OCC regarding any new elements at 220 kV and above which will be integrated in next six months with the grid. For State Grid, SLDC will be submitting the details on behalf of its intrastate Generation and transmission system. The format is given below:

Transmission Elements	Agency/ Owner	Scheme (ERSS/ TBCB/ Standing Committee/State	Schedule Completion	Projected Month for Completion	Issue Being Faced

In previous several OCC, Transmission licensees and SLDCs are requested to submit RLDC/RPC following details on monthly basis

- List of transmission element /generators of State and ISTS licensees synchronised in the last month.
- List of transmission element /generators expected to be synchronised during next month or in near future

Some SLDCs are submitting the list of intrastate and interstate line on regular basis, however transmission element /generators expected to be synchronised during next month or in near future is not submitted by any SLDC/Transmission licensee to RLDC/RPC.

In 163rd OCC, OCC advised all the constituents, SLDCs and ISTS licensees to submit the details to erldcprotection@posoco.co.in as per the format.

List of upcoming Transmission Element is received from Bihar and Jharkhand.

In the 141th PSOC meeting, DGM (Const) stated that the information has already been submitted. In the 143rd PSOC meeting, O&M and construction wing stated that the information shall be submitted to SLDC on regular basis.

The updated list is as follows:

Sl. No.	Name of the Project
1	132/33kV Bahugram S/s
2	132/33kV Birmaharajpur S/s
3	132/33kV Hinjili S/s
4	220kV Pandiabil-Pratapsasan line
5	220/33kV Godisahi
6	220/132/33kV Kuanramunda S/s
7	220/132/33kV Bamra S/s
8	220/33kV Kalimela S/s
9	132/33kV Bhatli S/s
10	132/33kV Chandipur S/s
11	Conversion of 132kV SC line from Jayanagar to Sunabeda to DC line
12	220kV LILO of Narendrapur-Therubali at Aska New

Action: [Construction /O&M wing]

C.7: 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 on the same to Chief Engineer, Distribution Planning & Development Division, CEA.

In 142nd OCC, ERLDC informed that, in line with Enquiry Committee Recommendation, cyber security audit is being conducted on regular basis for SCADA system installed at ERLDC and SLDC as well but cyber security audit for telecom infrastructure installed in Eastern Region is not being carried out.

OCC advised all the constituents to conduct the cyber security audit on telecom infrastructure installed in Eastern Region. It is further advised that compliance / mitigation of the points observed during the audit should also be completed for improvement of the telecom infrastructure in ER.

As suggested by CEA, a format has been circulated among ER constituents for furnishing the information of the respective systems for discussion in OCC Meeting. The format is enclosed at Annexure-E1.

OCC advised all the constituents to submit the information to ERPC as per Annexure-E1. OPTCL has submitted the required data

In the 139th PSOC meeting, IT stated that the Auditing is under process since 20th Nov'19 and will be completed today. The information has been submitted to ERPC in the prescribed format.

In the 140th PSOC meeting, SLDC stated that IT wing have forwarded the report in the prescribed format to ERPC for the Qr. ending Sept'2019.

In the 141th PSOC meeting IT stated that ISO certification for cyber security has been renewed for one year. Telecom may provide 3 Nos. CCTV, Fire alarm and biometric arrangement for their server room.

Deliberations in the meeting

Telecom stated that Cyber security has been resolved for IT wing of OPTCL Headquarters but for SLDC, work shall be completed within a week.

Action: [IT/Telecom]

PART-D – Operational Issues

D.1: Compliance of CEA Regulations for Grid Connectivity of Renewable Energy Sources.

As per CEA (Technical Standards for connectivity to Grid) Regulations, 2007, dated 21st February 2007, the pertinent clauses 6 (iii) & 6 (iv) (b) of general Connectivity Conditions shall be applicable to all the Generating Projects including the renewable, which are getting connected to the Grid at voltage level of 33kV & above. Subsequently, CEA have notified the CEA (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations 2013 dated 30.09.2013. These Regulations are applicable for “Distributed Generation Resources”, which means A Generating Station feeding electricity into the System at voltage level below 33kV. Needless to mention that these Regulations also cover the renewable projects connected to the Distribution Licensee’s System at voltage level of below 33kV. The letter received from CEA is annexed herewith.

SLDC has already forwarded the Regulations & a letter received from DoE, Govt. of Odisha to the Distribution Licensees.

A meeting has been convened by Gridco in this regard with the RE generators, OPTCL, Telecom & SLDC. In the meeting, two nos of agencies presented their data acquisition logic from the RE sources. It was decided that each agency will take up a pilot project for data communication from one RE source to SLDC. On completion of the above project next course of application shall be decided.

A committee has been constituted with representatives of GRIDCO, O&M, Telecom & SLDC. This issue was also discussed in the 16th GCC meeting held on 09.08.2019. GRIDCO assured to make a demo of data communication from MGM Solar at Tangi to SLDC by end of August’19.

After successful demonstration of the data communication from the pilot Solar plant by Chemtrol, A meeting was convened by GRIDCO with all the Solar developers, Telecom, SLDC, OPTCL & DISCOMs to discuss the commercial issue.

In the 140th PSOC meeting GRIDCO stated that the rate offered by M/s Chemtrol for integration of real time solar data is being examined by the developers. The next meeting is scheduled to be held on 27th December’19 to discuss and finalize the issue.

In the 141th PSOC meeting GRIDCO stated that 15th January’20 was the dead line fixed for placing order by the developers. Data communication is expected by end of March’2020.

In the 143rd PSOC meeting, Sr.GM(Telecom) informed that 14nos of RTU panels are ready for despatch while Chemtrol requested for waiver of inspection charges claimed by OPTCL.

Deliberations in the meeting

Telecom stated that Out of 14nos, 13RTUs's have been installed and data is reporting at SLDC except Molisati Solar. Chemtrol will proceed next month to Molisati. GEDCOL shall depute their officer to meet GM, Telecom for discussion regarding RTU installation and data reporting at SLDC.

Action: [Telecom]

D.2: Data communication from newly commissioned RE sources connected at 132 kV- SLDC

There are as many 8 Nos. of Solar projects with installed capacity of 272.5 MW have connected with OPTCL network through 132 kV lines. The real time data of these plants are yet to be received at SLDC control room. Since the generation quantum is quite substantial (to the tune of 0.6 MU during a day), this has an impact on real time generation monitoring.

In the 133rd PSOC meeting CGM (Telecom) stated that Vento Solar data can be integrated only after laying of optical fiber, which has been proposed for PSDF funding

In the 137th PSOC meeting CGM (Telecom) stated that laying of optical fiber is expected to be completed by December'2019. DGM (Telecom) suggested that SLDC may write a letter to Vento Power (Solar) at Kesinga to explore the data communication, since all communication equipment are available with them. Data communication can be made through after visit of the service Engineer of the company.

In the 138th PSOC meeting, it was suggested that Telecom may ensure establishment of data communication facility before recommending for connectivity for any Solar Plant.

In the 139th PSOC meeting Telecom stated that data communication from all the Solar stations connected through 132 kV is expected by January'2020.

In the 140th PSOC meeting, DGM (Telecom) stated that the Despatch Instruction for OPGW has already been issued. Laying of optical fiber is expected by June'20. As suggested by DGM (Telecom), SLDC may write a letter to Vento Power (Solar) at Kesinga to explore the data communication, since all communication equipment are available with them.

In the 141th PSOC meeting DGM (Telecom) stated that Vento Solar at Kesinga has procured PLC in place of RTU resulting non- communication of data. It was decided that GRIDCO shall approach all the RE projects to speed up the process of data communication. Telecom may explore the process for laying of optical fiber.

In the 143rd PSOC meeting, GM(Telecom) informed that he will submit the status report to SLDC.

Deliberations in the meeting

Telecom intimated that OPGW work of Tusura, Padampur has been completed. SAS work is being carried out at Kesinga so data can be received after two-three months.

Action: [Telecom]

D.3: Despatch Scheduling for RE Generation.

At present about 23 Nos of RE generating plants having 408 MW installed capacity operating in the State. None of the plants are furnishing day ahead schedule except 2-3 Nos. In absence of day ahead Declared injection Schedule, there is a substantial mismatch of day ahead generation planning. Also SLDC is not aware of the PPA made by GRIDCO with the Solar plants. As such, it

is requested that GRIDCO may forward the copy PPA made with the Solar plants and insist the plants to submit day ahead DC in respect of their plants to SLDC in 15 minute blocks.

In the 139th PSOC meeting GRIDCO assured to forward the PPAs before next PSOC meeting also to write all the Solar stations to submit day ahead injection schedule to SLDC. The said documents are yet to be received by SLDC.

In the 140th PSOC meeting, SLDC stated that the PPAs made by GRIDCO with Solar plants have been received by SLDC. GRIDCO was requested to ask the Solar plants to forward their day-ahead generation schedule to SLDC.

In the 141th PSOC meeting it was decided that GRIDCO shall convene a meeting with solar developer to discuss the issue of day ahead scheduling of solar power injection.

In the 143rd PSOC meeting, GRIDCO informed that all RE generators have been informed to submit the day ahead schedule to SLDC since February 2020. PSOC advised SLDC to further pursue the matter with RE generators.

Deliberations in the meeting

It is essential to provide schedule for system operation point of view. PSOC advised GRIDCO to convene a meeting with all RE generators in presence of SLDC on this matter.

Action: [GRIDCO]

D.4. Replacement/Rectification of Billing meters

It has been observed that some billing meters used for energy accounting purpose are time desynchronized frequently. In the new series of meter, "FEEDER SUPPLY FAILED" event is not logged in the dumped files which is a crucial requirement for billing and analysis purposes.

Deliberations in the meeting

O&M shall take up the matter with Secure. GRIDCO stated that interface meters should be tested once in five years. But, many OHPC meters are due for testing. O&M stated that all interface meters of OHPC have been tested and updated database shall be shared with GRIDCO. Vedanta intimated that routine testing of energy meters of 4 X 600MW plant need to be carried out in presence of representatives of GRIDCO, TPWODL and OPTCL. PSOC advised Vedanta to propose a suitable date to GRIDCO/OPTCL for testing of energy meters.

Action: [Vedanta/SLDC/ O&M wing/GRIDCO]

D.5: Non-receipt of weekly meter dumped data of 220kV TTPS-TSTPP line

The weekly dumped data of 220kV TTPS-TSTPP line has not been received since long and same was included as an agenda item in last CCM meeting of ERPC.

Deliberations in the meeting

The irregularity has been observed after closure of TTPS. PSOC advised TTPS to provide weekly dumped data of 220kV TTPS-TSTPP feeder by Monday of every week.

Action: [TTPS/SLDC]

D.6: Non-intimation to SLDC for 400kV Bus-II shutdown by Vedanta

On 09th March 2022, the shutdown of 400kV Bus-II was availed by Vedanta without any intimation to SLDC. Switching off / availing shutdown of 400kV element without prior intimation/ approval from SLDC/ERLDC is gross violation of OGC and IEGC norms.

Deliberations in the meeting

PSOC advised Vedanta to take due permission before availing any outage.

Action: [Vedanta/SLDC]

PART E: OPERATIONAL PLANNING

E.1: Summer Preparedness

All the generators may update the status of any planned outages in the month of April, May, June-2022 so as to prepare the LGBR for the upcoming summer.

Action: [OHPC/OPGC/SLDC]

E.2: Commissioning status of new Transmission elements.

The status of commissioning of new transmission elements deliberated in the last meeting is as follows:

Sl. No	Name of the Project	Expected month of Charging	DISCOM	33kV Take off Planning by DISCOMs (4 Nos. Feeder Bay)
1	220 kV Jayanagar-Jeypore(PG) 2nd DC line			
2	132/33kV CDA (Brajabiharipur) Cuttack S/s	Oct-20	TPCODL	
3	132/33kV Pratapsasan S/s	Oct-20	TPCODL	
4	132/33kV Gandia S/s	Feb-21	TPCODL	
5	132/33kV Rajnagar S/s	Mar-21	TPCODL	
6	220/33kV Telkoi S/s	Dec-20	TPCODL/TPNODL	
7	132/33kV Maneswar S/s	Oct-20	TPWODL	
8	220/33kV Deogarh S/s	Nov-20	TPWODL	
9	132/33kV Bhatli S/s	Dec-20	TPWODL	
10	132/33kV Hirakud S/s	Feb-21	TPWODL	
11	132/33kV Birmaharajpur S/s	Mar-21	TPWODL	
12	132/33kV Thuapalli S/s	Mar-21	TPWODL	
13	132/33kV R Udayagiri S/s	Oct-20	TPSODL	
14	220/33kV Govindpalli S/s	Oct-20	TPSODL	
15	132/33kV G Udayagiri S/s	Dec-20	TPSODL	
16	220/132/33kV Gunupur S/s	Jan-21	TPSODL	
17	132/33kV Nawrangpur S/s	Feb-21	TPSODL	
18	132/33kV Boriguma S/s	Mar-21	TPSODL	

In the 140th PSOC meeting AGM (Const.) stated that 2 Nos. 40 MVA Transformers have been provided in the proposed Maneswar S/S. WESCO may divert all loads from Chipilima PH S/S to Maneswar S/S to make free the Chipilima PH S/S. SLDC suggested to instruct and impart training the executives deployed at the newly charged S/Ss for extraction of the meter data and forward to SLDC. DGM (Const.) suggested that SLDC may write a letter to CGM (Const.) in this regard.

In the 141th PSOC meeting WESCO stated that due to shortage of funds they cannot construct 33 kV line. It was suggested that CGM (Const) may convene a meeting to review the take-off arrangement.

In the 143rd PSOC meeting, TPCODL informed that they have prepared and submitted the report in this regard to the MD, OPTCL. NESCO informed that out of 31 nos. of bays 12 nos. have already been utilized and another 9 nos. are under progress and for others the estimation is being prepared. SLDC requested all the DISCOMs to share the updated plan and report with CGM(Const.), OPTCL and SLDC as well.

The status of 33 kV bays and takeoff arrangement by DISCOMs have been updated as follows:

SI no	Name of Project	DISCOM	Voltage	Date of Charging	Bays Available	Bays utilised	Bays Available for utilisation by DISCOMs	Utilization in %
1	Konark	TPCODL	132/33	29-06-2015	4	3	1	75
2	Samagara	TPCODL	220/132/33	14-07-2015	5	3	2	60
3	Marshaghai	TPCODL	132/33	16-10-2015	5	2	3	40
4	Atri	TPCODL	220/132/33	24-02-2016	4	0	4	0
5	Mania	TPCODL	132/33	31-03-2016	5	2	3	40
6	Infocity-II	TPCODL	220/33	23-12-2016	6	4	2	67
7	Chandaka - B	TPCODL	220/132/33	28-03-2017	4	1	3	25
8	Khajuriakata	TPCODL	132/33	28-03-2017	5	2	3	40
9	Tirtol	TPCODL	132/33	05-01-2018	5	3	2	60
10	Khuntuni	TPCODL	132/33	31-05-2018	5	3	2	60
11	Narasinghpur	TPCODL	220/33	24-08-2018	5	3	2	60
12	Unit-8	TPCODL	132/33	01-04-2019	5	3	2	60
13	Kharagprasad	TPCODL	132/33kV	31-07-2019	1	1	0	100
14	Mancheswar B	TPCODL	132/33kV	28-02-2020	5	2	3	40
15	Goda	TPCODL	220/132/33 kV	29-05-2020	5	1	4	20
16	Satasankha	TPCODL	132/33kV	25-06-2020	5	0	5	0
17	CDA, Cuttack	TPCODL	132/33kV	30-10-2021	5	1	4	20
18	Pratapsasan	TPCODL	132/33kV	30-10-2021	5	2	3	40
19	Rajnagar	TPCODL	132/33kV	11-08-2021	5	2	3	40
20	Gondia	TPCODL	132/33kV	31-08-2021	5	0	5	0
21	Malkangiri	TPSODL	220/33	27-03-2017	4	2	2	50
22	Muniguda	TPSODL	132/33	29-11-2017	4	0	4	0
23	Podagada	TPSODL	132/33	09-02-2018	4	2	2	50
24	Chikiti	TPSODL	132/33	25-02-2019	5	2	3	40
25	Aska New	TPSODL	220/132/33	31-03-2019	5	2	3	40
26	Kasipur	TPSODL	220/33	30-06-2019	4	1	3	25

27	Patangi	TPSODL	132/33	15-09-2019	4	3	1	75
28	Govindpalli	TPSODL	22033	17-11-2021	5	0	5	0
29	G Udayagiri	TPSODL	132/33	28-03-2021	5	2	3	40
30	Gunupur	TPSODL	132/33	14-07-2021	5	0	5	0
31	Nawrangpur	TPSODL	132/33	29.12.21	5	0	5	0
32	Bangiriposi	TPNODL	132/33	03-10-2016	4	2	2	50
33	Bhogarai	TPNODL	132/33	28-03-2017	4	1	3	25
34	Udala	TPNODL	132/33	16-09-2018	4	3	1	75
35	Keonjhar	TPNODL	220/33	31-12-2018	5	2	3	40
36	Chandbali	TPNODL	132/33	20-02-2019	4	1	3	25
37	Betanati	TPNODL	132/33	19-04-2019	4	3	1	75
38	Agarpada	TPNODL	132/33	30-08-2019	5	2	3	40
39	Telkoi	TPNODL	220/33	14-07-2021	5	1	4	20
40	Dhenkikote	TPNODL	132/33kV	24-02-2018	5	2	3	40
41	Kantabanji	TPWODL	132/33	28-02-2018	5	5	0	100
42	Jayapatana	TPWODL	220/132/33	11-07-2019	4	2	2	50
43	Ghens	TPWODL	132/33	13-04-2018	4	4	0	100
44	Maneswar	TPWODL	132/33	03-02-2021	5	2	3	40
45	Thuapalli	TPWODL	132/33	14-07-2021	5	2	3	40
46	Deogarh	TPWODL	220/33	06-08-2021	5	0	5	0
47	Lephripara	TPWODL	220/33	08-08-2021	5	0	5	0
48	Hirakud	TPWODL	132/33kV	17.03.22	5	1	4	20
	TOTAL				222	85	137	38

E.3: Major Events in the month of February'22

1. On Dt. 02.02.22 at 17:45 Hrs -18MW TG-2 at M/S Adhunik Metaliks Limited, Kuarmunda, Rourkela synchronized with OPTCL system.
2. On Dt. 09.02.22 at 13:00 Hrs- 40MW Unit at M/S SMC Power Generation Limited, Jharsuguda synchronized with 220kV Budhipadar line of OPTCL system
3. On Dt. 18.02.22 at 19:26 Hrs -132kV feeder bay extension at 220/132/33kV Grid S/s, Jayanagar for 132kV Jayanagar-Sunabeda DC line.

[Members may note]

E.4: Outage of major transmission Elements during the month of February -2022. (above 10 hrs).

Sl No	Transmission line / element	Tripping Dt/time	Restoration Dt/time	Reason
1	220kV Jayanagar-Upper Kolab-II	01.02.2022 18:11	02.02.2022 12:59	Snapping of B-phase conductor in S/Y
2	132kV Katapalli-Bargarh	01.02.2022 22:10	03.02.2022 13:55	Burst of R ph C.T

3	132kV Burla-Lapanga ckt-I	15.02.2022 22:50	16.02.2022 16:54	DP Z-I 5.6km 2.8KA
4	220kV Jaypatna-Indravati	16.02.2022 21:30	18.02.2022 15:40	damaged of R-phase conductor between loc no-41&42
5	132kV Budhipadar-Kalugaon fdr	23.02.2022 21:11	24.02.2022 14:23	tripped at Kalugaon on DP Z-I B-E 77.49km 1.293KA
6	400/220kV 315MVA ICT-I of Indravati PH	24.02.2022 19:39	12.03.2022 05:06	Buchholz Relay operated

[Members may note]

E.5: Prolonged outage of Transmission elements

Sl. No.	Transmission line/element	Date of outage	Reason	Expected date of restoration
1	220/132kV 100MVA Auto TRF-I at Joda	21.06.2021	Replacement of old 100MVA GE make Auto TRF by new 160MVA T&R make Auto TRF.	Commissioned on 31.03.2022
2	400kV Tie Bay of (400kV Pandiabili-1 and future) at New Duburi	16.08.2021	Construction of foundation, erection, testing and commissioning of CT, CB & Isolator for installation of new 125MVAR Bus Reactor at New Duburi end	15.05.2022
3	220kV side CB of 315MVA, 400/220kV ICT-II Bay (212) at New Duburi	25.01.2022	Replacement of old/ defective 220kV ABB make SF6 CB with New 220kV GE make SF6 CB.	Replaced on 22.03.2022
4	220kV Samangara-Pandiabili ckt-I & II	03.05.2019	Breakdown due to extremely severe cyclonic storm "FANI"	December 2023
5	100MVA Auto-II at Duburi	08.03.2020	Tripped on Buchholz Alarm & Diff. protection	31.05.2022
6	315MVA ICT-II at Meramundali	21.02.2021	Completely damaged due to fire	31.05.2022
7	100MVA Auto- III at Meramundali	22.12.2021	Oil leakage from 220kV side R-Ph bushing	Bushing will be replaced by 31.05.2022
8	400/220 kV, 315MVA ICT-I of Indravati PH	24.02.2022	Y- Ph transformer completely damaged due to fire.	Order for ICT kiosk has been placed to BHEL and may take around 4months

[Action: Construction/O&M]

E.6: Review of Outage Program of State Generators for the month of April'22:

Tentative Outage program for State Generators for the month of April'22

Sl.	Station	Unit	Period	Remarks
1	Balimela	# 1	05.08.16 to continue	Under R&M (Synchronised on 11.04.2022)
		# 5	24.01.22 to 15.04.22	Fault in PMG (Synchronised on 06.05.2022)

2	Rengali	# 3	26.11.21 to 15.03.22	Thrust bearing problem
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[Members may note]

E.7: Generation Program for the month of March'22.

Generation schedule for the month of March'22 furnished by OHPC are given below.

Name of Hydro Gen. Station	Generation Program (MW) Mar'22	Reservoir Level as on 28.02.2022	Reservoir Level as on 28.02.2021	MDDL	High Flood Reservoir Level
HPS-I, Burla	50	624.12 ft.	618.65 ft.	590 ft.	630 ft.
HPS-II, Chiplima	35				
Balimela	155	1479.70 ft.	1484.6 ft.	1440 ft.	1516 ft.
Rengali	90	121.28 mtr.	116.93 mtr.	109.72 mtr.	123.5mtr
U.Kolab	80	850.03 mtr.	849.79 mtr.	844 mtr.	858 mtr.
U. Indravati	75	631.48 mtr.	635.82 mtr.	625 mtr.	642 mtr.
MKD (O/D)	30	2714.6 ft.	2737.65 ft.	2685 ft.	2750 ft.
TOTAL	515				

Generation schedule may change depending on inflow & availability of machine.

[Members may note]

E.8: Anticipated power generation and demand for the month of April'2022.

Sl. No	Discom	Average	Peak
1	TPCODL	1300	1529
2	TPWODL	1100	1350
3	TPNODL	745	841
4	TPSODL	550	650
5	Total Discom	3695	4370
	System Loss & others	100	150
	Total Demand	3795	4420
Availability			
1	Hydro	493	1020
2	State Thermal	729	760
3	IPP, small hydro &RE	357	297
4	ISGS share (including OA& purchase)	1948	1948
5	CGP support (OA)	250	250
6	Total availability	3777	4275
7	Surplus / Deficit	18	145

[Members may note]

PART F: Issues raised by DISCOMs

F.1. Common Agenda

1. Information to the DISCOMs for the load curtailments by SLDC:

Load curtailments are carried out at 33kV feeders by OPTCL grid substations on the instruction of SLDC without any consent or information to the DISCOMs It is requested that SLDC should intimate and consult PSCC(Power System Control Centre) in the event of load curtailment with reference to the 33kV feeders- the quantum of load shedding and the expected duration of load curtailment in the event of grid contingency to PSCC of DISCOMs.

Deliberations in the meeting

PSOC advised that DISCOM representative deputed at SLDC should update the respective PSCC regarding any information about demand management since these are carried out under emergency conditions to manage the grid. Further, DISCOMs may update the concerned OPTCL grid substation officially about any important feeders to be excluded for demand management in case of any exigency.

[Action: DISCOMs/SLDC]

2. RVDU (Remote Visual Display Unit) data suspect at many circuits

The power scheduling activity, the day ahead schedule is given by utility and the intraday actual drawl is monitored based on the Remote Visual Display unit (RVDU) drawal data visible on the screen which is analogous to the RVDU data at SLDC, Bhubaneswar. We have been observing significant gap to the tune of 30 to 40 MW per 15min time block for the drawal data at RVDU display and the actual drawl data as per the SLDC one minute readings. This impacts scheduling accuracy as well as gives the impression of huge under drawal / over drawal by the discom. There is no alternate mechanism provided to the utility by SLDC to monitor and control the discom actual drawl vis-à-vis their scheduled drawl. The situation merits urgent attention by the SLDC. It is submitted that SLDC should arrange the rectification in the RVDUs as an immediate measure.

Deliberations in the meeting

SLDC informed that SCADA data is for operation and monitoring purpose and should not be utilized for commercial purpose.

[Action: DISCOMs/SLDC]

3. Schedule Vs Actual Drawl of the distribution Company should be displayed at SLDC website

In order to monitor the actual drawl and maintain accurate scheduling, it is requested that SLDC should make available the schedule vs actual drawl position of the Odisha discoms at their website for accurate and faster response by the distribution company.

Deliberations in the meeting

PSOC stated that schedule vs actual drawal data is displayed on VPS screen. So, there is no need for the same to be displayed on website.

[Action: DISCOMs/SLDC]

4. Open Access consumers drawl is not available to the discom in intraday resulting in poor scheduling:

The day ahead drawl schedule and the intraday revisions in drawl schedule uploaded by SLDC does not reflect intraday change in open access consumer's demand. All variations in the open access consumers drawl from open access and RTM during the day are adjusted only the following day post facto. The open access consumers do not share their revisions in drawl schedule with the distribution company. In the absence of the information regarding open access consumer's intraday drawal variations, the distribution company is forced to revise its schedule based on assumptions and conjectures so as to reduce its overdraw or underdraw. It is therefore requested that SLDC should ensure that the schedule revisions by the open access consumers in the intraday is updated immediately in the revisions so that the distribution company may adjust its drawal accordingly. Alternatively SLDC may direct the open access consumers to share their drawl schedule with the respective distribution company whenever any change is done by them. In the absence of such a mechanism, the distribution companies would at huge disadvantage and will not be able to discharge their forecasting and scheduling function efficiently.

Deliberations in the meeting

RTM transactions are being carried out in half an hour basis and maximum possible care is taken by SLDC to incorporate the same in DISCOM scheduling. However, the scheduling will be automated after implementation of SAMAST.

[Action: DISCOMs/SLDC]

5. Planned Outages of OPTCL Grids impacting discom drawl should be intimated to PSCC only as a single nodal agency:

Currently the outages from OPTCL grids are sent to the respective individual divisions of the discoms for the consent and information. In order to streamline the outage process, it is submitted that all planned and emergency outages from the OPTCL grids impacting discom drawl should be intimated to Power System control only as a single point of contact for the discom. It shall be the responsibility of the discom power system control to arrange consent and inform OPTCL / SLDC for the respective proposed outage.

Deliberations in the meeting

SLDC stated that outages are permitted after obtaining consent from respective DISCOMs if there is any area load restriction/interruption. PSOC advised that in such cases, the concerned DISCOM field offices should intimate their respective PSCC regarding the outages.

[Action: DISCOMs/SLDC]

F.2. Agenda of TPCODL

1. Station Consumption of Global Grid is being included in TPCODL drawal even after bringing this to the notice of GRIDCO and SLDC. This may be corrected.

Deliberations in the meeting

PSOC advised OPTCL to convene a separate meeting with GRIDCO and TPCODL regarding handing over of Global grid.

[Action: TPCODL/OPTCL/GRIDCO/SLDC]

2. Main meter and Check meter are being used for the purpose of billing without any standard methodology, also Transformer HT meter at times are being considered. Same may be standardized.

Deliberations in the meeting

SLDC has intimated the methodology regarding billing meters. PSOC advised TPCODL to share the discrepancies case by case with energy accounting cell of SLDC.

[Action: TPCODL/ SLDC]

3. Facilitating ICCP connectivity from SLDC to PSCC TPCODL for better monitoring and control of its network.

Deliberations in the meeting

PSOC advised that it is not technically feasible to extend ICCP connectivity to DISCOMs in view of cyber security issues.

[Action: TPCODL/ SLDC]

4. Transmission System Elements remaining out for a prolonged period: both the 132 kV sources to 132 /33 kV Mancheswar B GIS are out since 13.2.2022 due to which two of 33 /11 Primary Substations are on Single 33 kV Source, 132/33 kV 40 MVA Trf. 2 at Unit 8 GIS & 33 kV OG Breaker of Unit 8 Feeder 2 is out since long.

Deliberations in the meeting

O&M updated that tender has been floated for repairing of cables to Mancheswar-B GIS which has been broken by Jio, GAIL. Work shall be completed by 10th April.

*132kV UG Cable from Mancheswar-A to Mancheswar-B charged at 16:48Hrs on Dt.29.04.2022.

[Action: TPCODL/ O&M/SLDC]

5. RVDU issues arising frequently may please be looked into like Aarti Steel communication down since long.

Deliberations in the meeting

Telecom stated that Arati & BPPL are using PLCC based communication which is not reliable. All the industries having PLCC communication need to upgrade their communication system to fibre optics for seamless communication for the time being.

[Action: BPPL/Arati/TPCODL/ SLDC]

6. Credit of Units to be provided for RSB Casting by SLDC for export of units by TPCODL to OPTCL: 132/33 kV Mania (Tangi) Grid communicated through letter TPCODL /PSCC/21-22/04/02/01 dtd.4.02.2022 to SLDC.

Deliberations in the meeting

The final order has been passed by the Honorable OERC. PSOC advised that the matter should be resolved bilaterally between GRIDCO and TPCODL.

[Action: GRIDCO/TPCODL]

F.3. Agenda of TPNODL

1. Outages from OPTCL Grids should be planned considering the load back feeding through alternate bus at GSS:

It is submitted that currently the maintenance outages from OPTCL GSS are often planned without considering the load back feeding options. As a result mostly the maintenance outages from GSS leads to complete loss of power in the distribution area during the schedule period. Considering that currently there is very few interconnection in the distribution network to enable load shifting, the end consumers suffers poor reliability. It is therefore submitted that OPTCL should ensure that during planned outages no load is effected wherever there is provision to shift load on the alternate bus.

Deliberations in the meeting

Outages are approved by SLDC after receiving the consent from concerned DISCOMs. All possible efforts are being taken by SLDC to explore alternate supply before permitting any outage.

[Action: TPNODL/ SLDC]

F.4. Agenda of TPSODL

1. High voltage problem in TPSODL network due to unscheduled power of Saptadhara of mini OHPC.

Deliberations in the meeting

PSOC advised TPSODL that Saptadhara(3X6=18MW) plant is a mini hydro. High voltage issues due to Saptadhara is less likely to occur.

[Action: TPSODL]

2. Planned outages of OPTCL to be approved by SLDC three days prior to scheduled date and same to be intimated to PSCC to inform the EHT Consumers to minimize their production loss and revenue impact of DISCOM.

Deliberations in the meeting

SLDC has already intimated OPTCL to submit requisitions of planned outages on D-3 basis in line with ERLDC outage planning procedure. However, PSOC advised OPTCL to follow the guidelines.

[Action: OPTCL]

3. DISCOM to be allowed to raise provisional bill to open access customer and adjustment in next month as final schedule (MU drawn) of Open access consumer is not received on 1st day of every month.

Deliberations in the meeting

The settlement of open access purchase by industry is being carried out in accordance with Grid Code/ Open access regulation. However, for operational flexibility and ease, the requirement of provisional bill and settlement by industries thereof may be decided mutually between DISCOM and industries. The PSOC might not have jurisdiction to decide upon this.

[Action: DISCOMs]

4. TPSODL drawl from Jaypatna grid s/s should be clarified as at present TPWODL & TPSODL drawl measured at Autotransformer commonly.

Deliberations in the meeting

SLDC stated that the issue has been resolved.

5. Day-ahead entitlement should be uploaded in the SLDC website by 11AM everyday so that DISCOM can be able to give their Day-ahead schedule request within one hour of receipt of Entitlement.

Deliberations in the meeting

SLDC stated that the issue has been resolved.

Undertaking / Self Certification by Owner under Regulation 43(7) of CEA (Measures relating to safety and electric supply) regulations 2010 For Replacement due to Failure

(to be duly signed by Station Incharge/Asset Owner/CE SLDC on a Letter Head)Ref.

No:

Date:

To,
The Executive Director,
_____ Regional Load Despatch Centre,
_____,

Sub: Charging of [Element Name] with replaced [new CT/CVT/PT/LA/Isolator/CB. with ratings/Towerwith loc] of [Asset Owner] at [Substation Name]

Sir,

The failure was observed on [old CT/CVT/PT/LA/Isolator/CB..... with ratings/Tower(loc)] of [Element Name] at [Substation Name] due to [reason] on [Date]. The faulty [old CT/CVT/PT/LA/Isolator/CB..... with ratings/Tower(loc)] of [_____] make has been replaced by [Asset Owner] on [Date] with [new CT/CVT/PT/LA/Isolator/CB with ratings/ Tower(loc)] of [_____] make. I hereby undertake that

1. The said (new CT/CVT/PT/EMVT/LA/CB.....) is not a new element to be charged for first time and is a replacement element.	strike through if not applicable
2. We have complied to CEA Measures relating to Safety and Electric Supply 2010 (as amended) and all statutory clearances have been obtained for the said replacement.	
3. All protection systems are in place.	
4. There is no change in CTR/PTR wrt metering and telemetry. Or There is change in CTR / PTR wrt metering and telemetry. Necessary activities of incorporation of changes at SLDC and / or RLDC has been done.	
5. There is no change in the length of the line after works of transmission line. Or After completion of the works, the length of the transmission line is increased by _____ m.	
6. There is no change in the count of the tower after works of transmission line. Or After completion of the works, _____ Nos. of additional towers are erected in the transmission line. New erected towers are _____ (tower identification numbers)	
7. There is no change in the route alignment of transmission line. Or After completion of the works, route alignment of transmission line is changed.	
8. There is no requirement of change in protection coordination at main and adjacent substations after completion of the works of the transmission line. Or Necessary protection coordination at main and adjacent substations after completion of the works of the transmission line is carried out.	
9. PTCC clearance has been obtained during the first time commissioning of the line and since only minor changes/modification has only been carried out and as such the modification is within the limit as per the Regulation and the norms specified in sec 160 of the Electricity Act,2003.	

May kindly allow the charging.

Thanking you,

Yours faithfully,

Signature and stamp of Station
Incharge / Asset owner
with Station Name

Undertaking / Self Certification by Owner under Regulation 43(7) of CEA (Measures relating to safety and electric supply) regulations 2010 For Diversion of TL / Tower Height modification

(to be duly signed by Station Incharge/Asset Owner/CE SLDC on a Letter Head)Ref.

No:

Date:

To,

The Executive Director,

_____ Regional Load Despatch Centre,

Sub: Charging of [Transmission line Name] after diversion by [Asset Owner]

Sir,

A diversion / modification of the [Name of Transmission line] due to [reason] was approved. The activity of [Name of the transmission line] diversion is under execution by [Name of the asset owner] from [date of starting of outage]. In regard to the aforementioned diversion, I hereby undertake that

1. The said (<u>Name of Transmission line</u>) is not a new element to be charged for first time.	strike through if not applicable
2. We have complied to CEA Measures relating to Safety and Electric Supply 2010 (as amended) and all statutory clearances have been obtained for the said diversion.	
3. All protection systems are in place.	
4. There is no change in the length of the line after works of transmission line. Or After completion of the works, the length of the transmission line is increased by _____ m.	
5. There is no change in the count of the tower after works of transmission line. Or After completion of the works, _____ Nos. of additional towers are erected in the transmission line. New erected towers are _____ (tower identification numbers)	
6. There is no change in the route alignment of transmission line. Or After completion of the works, route alignment of transmission line is changed.	
7. There is no requirement of change in protection coordination at main and adjacent substations after completion of the works of the transmission line. Or Necessary protection coordination at main and adjacent substations after completion of the works of the transmission line is carried out.	
8. PTCC clearance has been obtained during the first time commissioning of the line and since only minor changes/modification has only been carried out and as such the modification is within the limit as per the Regulation and the norms specified in sec 160 of the Electricity Act, 2003.	

May kindly allow the charging.

Thanking you,

Yours faithfully,

Signature and stamp of
Station Incharge / Asset owner
with Station Name

Undertaking / Self Certification by Owner under Regulation 43 of CEA (Measures relating to safety and electric supply) regulations 2010 for **Anti Theft Charging**

(to be duly signed by Station In charge/Asset Owner/CE SLDC on a Letter Head)

Ref. No:

Date:

To,

The Executive Director,

_____ Regional Load Despatch Centre,

_____,

Sub: Anti Theft Charging of [length] km length of [Transmission Line Name] from [Substation Name] end

Sir,

With reference to the anti theft charging proposal of [Transmission Line Name] transmission line, I hereby undertake that:

<p>The said [<u>Transmission Line</u>] is an under construction transmission line and is not terminated at both the ends. To prevent theft during construction, anti theft charging from [<u>name of the substation</u>] end is required.</p>
<p>or</p>
<p>The said [<u>Transmission Line</u>] has already been First time charged. Due to failure of towers in [<u>details of transmission section</u>] section of transmission line, the line has lost completeness. To prevent theft during repair and restoration activity anti theft charging from [<u>name of the substation</u>] end is required.</p>
<p>We have complied to all provisions of CEA Measures relating to Safety and Electric Supply Regulations 2010 (as amended). Approval of Electrical inspector statutory clearances shall be obtained by asset owner after completion and termination of the line at bays / substation at both ends and shall be submitted prior to charging/energization of the complete line.</p>
<p>3. All protection systems are in place. Necessary protection settings and protection coordination at main and adjacent substations has been done.</p>
<p>4. The length of anti-theft charged section is _ km.</p>
<p>5. Anti-theft charged section of the said line will cover Nos. of towers. From location _____ to _____ (tower identification numbers)</p>
<p>6. All concerned parties, asset owners of both ends and Transmission line sections are already informed in writing for anti-theft charging of the said line section.</p>
<p>7. All the men and materials from the line are removed. All safety measures are taken for anti-theft charging of the said line.</p>

May kindly allow the proposed anti theft charging.

Thanking you,

Yours faithfully,

Signature and stamp of Station
Incharge / Asset owner
with Station Name