



सत्यमेव जयते

भारत सरकार
विद्युत मंत्रालय
पूर्वी क्षेत्रीय विद्युत समिति

GOVERNMENT OF INDIA
MINISTRY OF POWER
EASTERN REGIONAL POWER COMMITTEE



No: ERPC/TCC&ERPCCOMMITTEE/2021/१७३

Date: 21.10.2021

To:

As per List

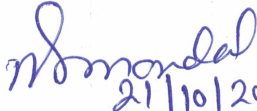
Sub: Minutes of the 44th ERPC Meeting-reg

Sir,

The Minutes of the 44th ERPC Meeting held on 30th September'2021 in Kolkata has been issued and uploaded on www.erpcc.gov.in . As per the decision of ERPC, distribution of Hard copies of the Minutes of the Meeting has been discontinued as Go-Green initiative.

Encl: As above

Yours faithfully,


21/10/2021
(N. S. Mondal)
Member Secretary

Distribution: ERPC Members

1. Chairperson, ERPC & Chairman-cum- Managing Director, Bihar State Power Holding Company Ltd., Vidyut Bhavan, Bailey Road, Patna-800001.
2. Managing Director, Bihar State Power Transmission Company Limited, Vidyut Bhavan, Bailey Road, Patna-800001.
3. Managing Director, North Bihar Power Distribution Company Limited, Vidyut Bhavan, Bailey Road, Patna-800001.
4. Chairman-cum-Managing Director, Jharkhand Urja Vikas Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
5. Managing Director, Jharkhand Urja Sancharan Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
6. Managing Director, Jharkhand Bijli Vitaran Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
7. Managing Director, Tenughat Vidyut Nigam Ltd., Hinoo, Doranda, Ranchi – 834002
8. Chairman & Managing Director, West Bengal State Electricity Distribution Company Ltd., Vidyut Bhavan, 7th Floor, Block-DJ, Sector-II, Bidhannagar, Kolkata-700091.
9. Managing Director, West Bengal State Electricity Transmission Company Ltd., Vidyut Bhavan, 8th Floor, Block-DJ, Sector-II, Bidhannagar, Kolkata-700091.
10. Chairman & Managing Director, West Bengal Power Development Corporation Ltd., Bidyut Unnayan Bhavan, 3/C, Block LA, Sector-III, Bidhannagar, Kolkata-700098.
11. Managing Director, Durgapur Projects Ltd., Administrative Building, Durgapur-713201, West Bengal.
12. Principal Chief Engineer-cum-Secretary, Energy & Power Department, Govt. of Sikkim, Kazi Road, Gangtok – 737101, Sikkim.
13. Chairman-cum-Managing Director, Odisha Power Transmission Corporation Ltd., Janpath, Bhubaneswar - 751022.
14. Chairman-cum-Managing Director, GRIDCO Ltd., Janpath, Bhubaneswar-751022.
15. Chairman-cum-Managing Director, OHPC Ltd., Orissa State Police Housing & Welfare Corporation Bldg. Vanivihar, Janpath, Bhubaneswar- 751022.
16. Managing Director, OPGC Ltd., Zone-A, 7th Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar-751023.
17. Chairman, Damodar Valley Corporation, DVC Towers, VIP Road, Kolkata -700054.
18. Member (GO&D), Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
19. Director (Commercial), NTPC Ltd., Core-7, SCOPE Complex, Lodhi Road, New Delhi -110003.
20. Director (Technical), NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003.
21. Director (Operations), Power Grid Corporation of India Ltd., Saudamini, Plot No. 2, Sector-29, Gurgaon-122001.
22. Executive Director, ERLDC, POSOCO, 14 Golf Club Road, Tollygunge, Kolkata – 700033.
23. Chairman-cum-Managing Director, POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016.
24. Director (C&O), PTC India Ltd., 2nd floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066.
25. Chief Executive Officer, NTPC Vidyut Vyapar Nigam Limited, SCOPE Complex, Core-3, 7th Floor, Lodhi Road, New Delhi-110003.
26. Managing Director, Tata Power Trading Company Limited, B12/13, 2nd Floor, Shatabdi Bhavan, Sector-4, Noida-201301, Uttar Pradesh.
27. Managing Director (Generation), CESC Ltd., CESC House, 1 Chowringhee Square, Kolkata-700001.
28. Chief Executive Officer, Maithon Power Ltd., Village-Dambhui, P.O. Barbindia, Dist.-Dhanbad, Jharkhand-828205.
29. Managing Director, Adhunik Power & Natural Resources Ltd., Lansdowne Towers, 5th Floor, 2/1A Sarat Bose Road, Kolkata-700020.
30. Chief Operating Officer, GMR Kamalanga Energy Ltd., AT/PO-Kamalanga, PS-Kantabania, Via-Meramundali, Dist.-Dhenkanal, Odisha-759121.
31. Chief Executive Officer, Jindal India Thermal Power Limited, Plot No-12, Sector-B1, Local Shopping Complex, Vasant Kunj, New Delhi-110070.
32. Managing Director, Teesta Urja Limited, 2nd Floor, Vijaya Building, 17 Barakhamba Road, New Delhi-110001.

Distribution: TCC Members

1. Chairperson & Director (Tech.), Bihar State Power Generation Company Limited, Vidyut Bhavan, Bailey Road, Patna-800001.
2. Chief Engineer (Commercial), Bihar State Power Holding Company Ltd., Vidyut Bhavan, Bailey Road, Patna-800001.
3. Director (Project), South Bihar Power Distribution Company Limited, Vidyut Bhavan, Bailey Road, Patna-800001.
4. Director (Project), Jharkhand Urja Sancharan Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
5. Chief Engineer (S&D-JBVNL), Jharkhand Urja Vikas Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
6. Chief Engineer (S&D), Jharkhand Bijli Vitaran Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
7. General Manager, Tenughat TPS, Lalpania, Dist- Bokaro, Jharkhand-829149.
8. Director (Operations), West Bengal State Electricity Transmission Company Ltd., Vidyut Bhavan, 8th Floor, Block-DJ, Sector-II, Bidhannagar, Kolkata-700091.
9. Director (R&T), West Bengal State Electricity Distribution Company Ltd., Vidyut Bhavan, 7th Floor, Block-DJ, Sector-II, Bidhannagar, Kolkata-700091.
10. Director (O&M), WBPDC, Bidyut Unnayan Bhavan, 3C, Block-LA, Sector-III, Bidhannagar, Kolkata-700098.
11. General Manager (Technical), Durgapur Projects Ltd., Administrative Building, Durgapur, West Bengal-713201.
12. Principal Chief Engineer-II, Energy & Power Dept., Govt. of Sikkim, Kazi Road, Gangtok-737101.
13. Director (Operation), Odisha Power Transmission Corporation Ltd., Janpath, Bhubaneswar - 751022.
14. Director (Commercial), GRIDCO Ltd., Janpath, Bhubaneswar-751022.
15. Director (Operation), Orissa Power Generation Corporation Ltd, Zone-A, 7th floor, Fortune Towers, Chandrasekharpur, Bhubaneswar-751023.
16. Director (Operation), Orissa Hydro Power Corporation Ltd, Orissa State Police Housing & Welfare Corporation Building, Vanivihar Chowk, Janpath, Bhubaneswar-751022.
17. Executive Director (Commercial), Damodar Valley Corporation, DVC Tower, VIP Road, Kolkata-700054.
18. Chief Engineer (GM), CEA, Sewa Bhawan, R.K. Puram, New Delhi-110066.
19. Regional Executive Director (ER-I), NTPC Ltd., 2nd floor, Lok Nayak Jai Prakash Bhawan, Dak Bunglow Chowk, Patna-800001.
20. Regional Executive Director (ER-II), NTPC Ltd., 3rd Floor, OLIC Building, Plot No.N-17/2, Nayapalli, Bhubaneswar-751012.
21. Executive Director (O&M), NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad-121003, Haryana.
22. Executive Director (ER-I), Power Grid Corporation of India Ltd, Board Colony, Shastri Nagar, Patna-800023.
23. Executive Director (ER-II), Power Grid Corporation of India Ltd, CF-17, Action Area-I, Newtown, Rajarhat, Near Axis Mall, Kolkata-700091.
24. Executive Director (Odisha Project), Power Grid Corporation of India Ltd, Plot No-4, Unit 41, Niladri Vihar, Chandrasekharpur, Bhubaneswar, Odisha-751021.
25. Executive Director, ERLDC, POSOCO, 14 Golf Club Road, Kolkata -700 033.
26. Executive Director, National Load Dispatch Center, POSOCO, B-9 Qutab Institutional Area, Katwaria Sarai, New Delhi-110016.
27. Executive Director (Marketing), PTC India Ltd., NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066.
28. Chief General Manager, NTPC Vidyut Vyapar Nigam Limited, SCOPE Complex, Core-3, 7th Floor, Lodhi Road, New Delhi-110003.
29. Head (Marketing), Tata Power Trading Company Limited, B-12/13, 2nd Floor, Shatabdi Bhavan, Sector-4, Noida-201301, Uttar Pradesh.
30. Vice President (System Operation), CESC Ltd, CESC House, 1 Chowringhee Square, Kolkata-700001.
31. Station Head & General Manager (O&M), Maithon Power Ltd., Village-Dambhui, P.O. Barbindia, Dist.-Dhanbad, Jharkhand-828205.
32. Director, Adhunik Power & Natural Resources Ltd., Lansdowne Towers, 5th Floor, 2/1A Sarat Bose Road, Kolkata-700020.
33. VP & Head (O&M), GMR Kamalanga Energy Ltd., AT/PO-Kamalanga, PS-Kantabania, Via-Meramundali, Dist.-Dhenkanal, Odisha-759121.
34. Chief Operating Officer, Jindal India Thermal Power Limited, Plot No-12, Sector-B1, Local Shopping Complex, Vasant Kunj, New Delhi-110070.
35. Managing Director, Teesta Urja Limited, 2nd Floor, Vijaya Building, 17 Barakhamba Road, New Delhi-110001.

Distribution: Others

1. Member (GO&D), CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
2. Member (Planning), CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
3. Shri Mukesh Choudhary, Director, Ministry of Coal, Govt. of India, New Delhi
4. Director (Marketing), Coal India Limited, Coal Bhawan, Kolkata-700156
5. Shri Nitin Bansal, CFTM, Eastern Railway, Kolkata
6. Member Secretary, NRPC, New Delhi-110016.
7. Member Secretary, WRPC, Mumbai-400093
8. Member Secretary, SRPC, Bangalore-560009
9. Member Secretary, NERPC, Shillong-793006
10. Chief Engineer, NPC, CEA, New Delhi- 110066.
11. Director General, Department of Hydropower & Power Systems, Ministry of Economic Affairs, Post Box No.106, Thimpu, Bhutan
12. Director, Shiga Energy Pvt. Ltd., 5th Floor, DLF Building No. 8, Tower-C, DLF Cyber City, Phase-II, Gurgaon – 122002
13. CEO, Alipurdar Transmission Limited, Gandhinagar, Gujrat-382028
14. AGM(E&M), GATI Infrastructure Ltd., Sundung, Rongli, East Sikkim, Sikkim-737131
15. Associate Director, DMTCL, Mumbai-400098



Minutes

of

44th Meeting

of

EASTERN REGIONAL POWER COMMITTEE

Date: 30th September, 2021

Time: 11:00 Hrs

The Vedic Village, Kolkata

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EASTERN REGIONAL POWER COMMITTEE

**MINUTES OF THE 44TH MEETING
OF
EASTERN REGIONAL POWER COMMITTEE**

Date: 30.09.2021

Place: The Vedic Village, Kolkata

In Chair: Shri Sanjeev Hans, IAS, Chairperson, ERPC & Chairman-cum-Managing Director, Bihar State Power Holding Company Limited.

Host: Eastern Regional Power Committee, Kolkata

Meeting was convened physically with an option to attend through MS Teams online platform.

List of participants is at **Annexure-I**.

Shri Sanjeev Hans, IAS, Chairperson, ERPC & Chairman-cum-Managing Director, Bihar State Power Holding Company Limited, joined through virtual mode and welcomed all the distinguished participants in 44th ERPC Meeting including the special guest from Coal India. He thanked ERPC secretariat for organizing the meeting.

He highlighted the following points in his inaugural address:

Power sector is undergoing transition reform stage. The whole world is also looking at energy transition in a big way. Our country has not only responded to this change but also taken a lead in energy transition.

As a nation, India has taken a giant step for ensuring balanced energy-mix in its system by setting target of about 40 per cent cumulative electric power installed capacity from non-fossil fuel based energy resources by 2030.

With regard to all India installed capacity, we have reached a comfortable level. However, as growth in demand is peaking up, the installed capacity also needs to be increased to match with the demand projection.

In view of increasing demands and festive season ahead, the power utilities shall take necessary actions and ensure preparedness in terms of machine availability, fuel stock etc. to meet the demand. Healthiness and availability of transmission network shall also be ensured by transmission utilities during this high demand period.

On regulatory side,

- CERC has brought out draft ancillary service regulation 2021 for discussion. The regulation aims to provide a roadmap for operationalizing reserves across the country. It provide measures for maintaining grid frequency within allowable band and for relieving transmission congestion to support reliable and stable operation of the grid, besides procurement and commercial mechanism for Secondary Reserve Ancillary Services (SRAS) and Tertiary Reserves Ancillary Services (TRAS).
- Recently CERC has published Draft DSM regulation 2021 for public comments/suggestions. All the member states might have gone through the draft regulation. The same may be discussed by utilities at regional level and
- Ministry of Power (MoP) lunched a reforms-based and results-linked Revamped Distribution Sector Schemewith stiff targets to improve the quality and reliability of supply of power to consumers. The Scheme aims to reduce the AT& C losses to pan-India levels of 12-15% and ACS-ARR gap to zero by 2024-25 by improving the operational efficiencies and financial sustainability of DISCOMs. This is a big opportunity for all the Discoms who want to perform and reduce their losses.

He stated that detailed deliberations on a number of vital issues had already been done in the TCC meeting held on 29.09.2021 and expected that issues taken for decision in the ERPC meeting is going to be discussed in a fruitful manner. He requested Member Secretary, ERPC to take up the todays agenda point for discussion.

PART-A: CONFIRMATION OF MINUTES

ITEM NO. A: Confirmation of the Minutes of 43rd ERPC Meeting

The minutes of the 43rd ERPC meeting held on 26.03.2021 in Kolkata were issued and uploaded on ERPC website (www.erpc.gov.in) vide ref. no. ERPC/TCC_ERPC_Committee/2020-21/44 dated 09.04.2021.

No comments have been received from constituent members on the minutes of the meeting.

Members may confirm the minutes of 43rd ERPC Meeting.

Deliberation in the 44th ERPC Meeting:

Members confirmed the minutes of 43rd ERPC meeting.

PART-B: ITEMS FOR DISCUSSION

ITEM NO B. 1: Issues referred to ERPC by TCC in its 44th Meeting held on 29.09.2021

The issues referred to ERPC by the TCC are placed below:

B1.1. Inadequate coal stock in most of the Thermal Power Plants in ER

Since the month of August, 2021, it is observed that many thermal units of the country have been forced to shut down due to inadequate coal stock which led to extreme low frequency operation in Indian Grid. Such low frequency makes the grid vulnerable and it became utmost important to bring maximum possible units on bar to ensure resource adequacy and to maintain adequate spinning reserve.

Inadequate coal stock was also observed in most of the Thermal Power Plants of Eastern Region which resulted into forced shutdown and later forced to go for unscheduled annual overhauling.

Thermal power stations should ensure coal stock as per the norms, i.e. 15 days coal stock for pit head plants and 20 days coal stock for load centred plants.

Deliberation in the 44th TCC meeting:

MS, ERPC informed that the Thermal Power Plants of Eastern Region are running with coal stock of 5-7 day at present. He further added that the coal supply scenario has not improved in recent times. Due to festive season, the power demand of ER including that of West Bengal is going to increase further and the coal companies may be impressed upon to supply adequate quantity of coal wherever there is shortage of coal in Eastern Region.

After detailed deliberation TCC observed that it is a perennial type of situation during every monsoon season. Some technical solutions need to be evolved to address the situation such as better storage facility of coal at both generators' and mines' ends, better logistics arrangements for transportation of coal etc. The matter may be taken up with Ministry of coal through Ministry of Power for a workable solution by taking a resolution at ERPC forum.

TCC referred the issue to ERPC for further guidance.

ERPC may guide.

Deliberation in the 44th ERPC Meeting:

MS, ERPC apprised the forum regarding the acute coal shortage scenario in Eastern Region Thermal Power Plants. He further added that on an average 5-7 days of coal stock is maintained and due to the ensuing festive season in Eastern Region specially in the state of West Bengal, the coal companies need to ensure adequate coal stock at Power Plants.

Chairperson TCC advised Coal India to come up with some technical solutions so that the coal production and transportation during the monsoon seasons do not get affected.

Representative of Coal India submitted that during the year 2020-21 sufficient coal stock was available with Coal Companies, however, there was less off-take during that period by the Thermal Power Plants which resulted in poor coal stock at Thermal Power Plants' end that might have

aggravated the present coal shortage situation. He assured that the coal supply shall be improved, however, he requested that outstanding dues may be cleared and payment may be made on regular basis by Thermal Power Plants.

ERPC advised Thermal Power Plants to maintain minimum coal stock as per the CERC norms to avoid any such exigency. ERPC further advised Thermal Power Plants to make regular payments to the coal companies.

B1.2. Procurement of 01 No, 105 MVA, 400/220/33 KV Spare Single-phase ICT for Rangpo S/s

400/220/132 KV Rangpo is one of the most important and critical substation of Eastern region –II. It is the gateway between all hydel generations of Sikkim to rest of India. This station has either direct or indirect connectivity with Teesta-III, Teesta-V, Rangit, Dikchu, Tashiding, JLHEP, Rangnichu & Chuzachen.

Total 5 nos. 400/220 KV 315 MVA (3*105MVA) ICT and four nos 220/132KV 100MVA ICTs are present at Rangpo. During hydel, all these ICTs are considerably loaded.

All 400/220/33 KV, 315 MVA units are Single phase units (3 X 105 MVA) and total 15 Units (05 X 03) No's are in service. Overall for total 15 Units only 01 spare units (Cold spare) are earlier considered for Rangpo SS.

Already due to internal problem one unit of ICT-4 has been taken out in August-20 and presently under repairing. Further the only spare has been utilized as Y-Phase of ICT-4 in last year. As the spare unit at Rangpo itself is a cold spare, putting it in the service includes dragging of the unit and afterwards includes complete commissioning activity.

Further, if we go by construction of Rangpo SS it can be seen that, entire SS built in 05 different layers. Even in 400 KV level itself, there are 02 different levels and transportation of spare unit from lower level to higher level itself require complete transportation arrangement as considerable slope is present.

A bird's eye view of Rangpo SS is given for reference:-



Any kind of transport of heavy consignments takes long time due to limited accessibility of road, frequent landslide, non-availability of strong bridges for heavy consignment etc. In case of any element outage, like transformer/Reactor for major repairing works, transportation time is much larger due to all above mentioned constraints.

Reference picture of road conditions around Rangpo and in general Sikkim stretches are given below for reference:





From the above pictures it is evident that in case of any major repairing and subsequent Transportation involved it may take enormous time in view of prevailing road conditions. Rather, keeping another spare unit is much preferable for the activity.

In view of the above, to ensure maximum grid availability, to enhance the flexibility towards the beneficiaries, to provide ease operation of grid in critical area, one more spare unit of same capacity is required at Rangpo.

Total financial implications excluding Freight, Insurance and GST is around **Rs. 4.50 Crores**, as per offer received from OEM.

In view of above, it is proposed for in-principle approval for procurement of 01 No spare single phase, 400/220/33 KV, 105 MVA ICT at Rangpo SS, considering the difficulty for transportation at hilly areas, as Cold Spare to meet any exigency and enhancing reliability of the grid.

In 183rd OCC Meeting, Powergrid representative explained the need for 400/220/33 KV Spare Single phase ICT for Rangpo Substation citing the limited accessibility of road, frequent landslide, non-availability of strong bridges for heavy consignment etc. He added that the 400 kV GIS switchyard is spread over two different spatial levels due to hilly terrain which makes it difficult to shift the spare ICT from one level to another. Further on query he informed that the only spare ICT is being under repair on site.

After detailed deliberation OCC felt the necessity of additional one no. spare single phase 105 MVA ICT in case of any exigency to enhance the reliability of the Grid. The matter was referred to TCC for further concurrence.

Deliberation in the 44th TCC meeting:

Powergrid representative explained the reasons for requirement of additional one no. spare single phase 105 MVA ICT keeping in view of the physical constraints as expressed in their plea.

Sikkim representative agreed that due to geographical constraints procurement of additional one no. of single phase spare ICT may be considered.

SLDC, West Bengal representative submitted that as of now the available ICTs of Rangpo S/s are not adequately loaded. Hence the requirement of an additional single phase spare ICT needs to be examined keeping that in view also.

Bihar representative opined that in view of two levels of GIS substation and the constraints faced by Rangpo S/s, the proposal may be agreed upon and the two spares of ICT may be kept at two different level.

However, in light of constraints being faced by Rangpo S/s due to its geographical location, TCC was of the view that the proposal of Powergrid may be considered and referred to ERPC for decision.

Members may discuss.

Deliberation in the 44th ERPC Meeting:

MS, ERPC highlighted the reasons for the requirement of an additional one no. spare single phase 105 MVA ICT keeping in view of the geographical constraints faced by Rangpo S/S.

ED(ER-II), Powergrid submitted that due to limited accessibility of road, frequent landslide, non-availability of strong bridges for heavy consignment etc additional one no. spare single phase 105 MVA ICT is required in case of any exigency.

After detailed deliberation, ERPC approved procurement of an additional one no. spare single phase 105 MVA ICT costing approximately Rs. 4.50 Crores.

B1.3. Issue of commissioning of elements commissioned by PMTL under ERSS XXI affected due to failure of 132 kV Bus extension module at DMTCL Motihari Sub-station.

315 MVA, 400/132 kV ICT-III at Motihari S/s was charged at no load on 18.04.2021 and first time loaded from 132 kV side through Bus-1 on 21.04.2021 at 19:00:09 Hrs. At 19:01:02:971 Hrs on the same day, 132 kV Bus-1 got tripped due to internal flashover in 132 kV Bus-1 extension module of DMTCL used for connecting new GIS Bus and ICT-III side 132 KV bay. During the incident all lines/ ICT connected to Bus 1 tripped.

315 MVA, 400/132 kV ICT-III at Motihari S/s, which is out since failure of 132kV Bus-1 on dtd 21.04.2021. The repair of failed extension module and restoration of 132KV Bus-1 has not been done till date by DMTCL. It may be mentioned that the failed 132KV Bus Bar extension module was supplied for future extension as part of original package for construction of 400/132KV substation of M/S DMTCL.

Till date neither any action for repair of 132KV Bus-1 has been taken nor permission has been given for charging of PMTL 400/132KV ICT-III through 132KV Bus-II until 132KV Bus-1 is restored.

Matter may be deliberated for an early resolution for re-charging of 315 MVA, 400/132 kV ICT-III at Motihari S/S and putting it in service.

Deliberation in the 44th TCC meeting:

ERPC Secretariat informed that in 105th PCC Meeting, PMTL representative had informed that they had received two offers from OEM i.e. M/s TBEA and the same is under examination.

PMTL further informed that since all materials required for restoration work are to be imported from China, it would take around 2 months for restoration after placing the work order.

POWERGRID representative opined that 400/132 kV ICT-III may be charged through 132KV Bus-II till 132KV Bus-I is rectified.

BSPTCL representative submitted that as the peak demand period has already been passed, the said ICT should be charged after rectification of the Bus-1extension module. He apprehended that in case of any eventuality while charging 400 /132KV ICT-III through Bus-II, as opined by Powergrid, may aggravate the situation further since the root cause analysis report of the failed elements have not been submitted by Powergrid till date.

TCC advised PMTL to complete the rectification of Bus-I and submission of the root cause analysis report at the earliest. TCC referred the issue to ERPC for further guidance.

ERPC may guide.

Deliberation in the 44th ERPC Meeting:

In line with TCC deliberation, the request of PMTL to charge the ICT with 132 kV Bus-II was not considered as the peak demand period has already been passed, the said ICT should be charged after rectification of the Bus-1extension module.

ERPC advised PMTL to submit the joint root cause analysis report within 15 days. ERPC further advised PMTL to take up the necessary rectification work of Bus-I so that 400/132 kV ICT-III may be charged at the earliest.

B1.4. Renewal of Contract for all installed SEMs of Phase-1 & 2 including AMR of Eastern Region

Existing AMC contract period for all installed SEMs of Phase-1 and Phase-2 including AMR has expired on 30-Jun-2020. Total 656 SEMs and 120 locations (129 DCU) are out of AMC scope since 30.06.2020. Currently, maximum SEMs are out of AMC support (66% SEM, out of AMC).

On a special request from PGCIL, TCS is continuing the AMC support for all 656 SEMs till now but further contract is required to be renewed.

Considering the lockdown period since the end of March-2020, maximum possible support has been provided by TCS and there is no disruption in weekly data availability of SEM.

TCS has submitted a techno-commercial proposal for renewal of their AMC Contract for another 5 years. Proposal value is total 4.98 Cr. This proposal includes 5 years of comprehensive AMC support for all 656 meters and 129 DCUs including DCU replacement in 60 Locations. As currently there is no active contract present with TCS for the AMC support, placing of AMC renewal LOA needs to be completed on priority basis. Based on the offer price submitted by TCS, now it is proposed to finalise the AMC contract on single tender basis with M/S. TCS.

Brief Scope of Work:

1. Comprehensive AMC support for the meters (656 SEM and 129 DCU) which have been installed in AMR Phase1 and Phase2.
2. AMC support includes replacement of Hardware which are installed at various Sub Stations (like DCU, Cables, PVC pipes, MOXA converters etc). Hardware replacement will be done as and when required.
3. As all DCU have already covered the service period (05 years plus), DCU replacement will be required. 60 numbers of DCUs have been considered for replacement in this proposal. (By considering the present scenario and future planning for faulty DCU replacement).
4. If more DCUs are required, then separate proposal will be submitted for the DCU replacement.
5. Connection of replaced meters will be done.

In view of the above, the proposed value of AMC contract is ₹ 4.98 Cr which includes

- 5 years of comprehensive AMC support for all 656 meters and
- 129 DCUs including DCU replacement in 60 Locations

In 170th OCC in-principle agreed for renewal of contract for all installed SEMs of Phase-1 and 2 including AMR since it is very much required in the interest of grid maintenance.

In 43rd CCM Powergrid representative informed that the existing contract period for Support of AMR/AMC of Phase-1 and Phase-2 has been completed on 30-Jun-2020. All 656 SEM and 120 locations (129 DCU) are out of AMC scope since 30.06.2020.

Further, he added that offered price of AMC amounting ₹ 4.98 Cr maybe negotiated and the final price would be intimated to ERPC Secretariat.

Members of Commercial Sub-Committee recommended for financial approval and also advised POWERGRID to place the revised value of AMC contract after negotiation before ERPC Secretariat.

43rd TCC/ERPC agreed to the proposal of POWERGRID for AMC contract of

- 1) 5 years of comprehensive AMC support for AMR of 656 meters and
- 2) AMC support for 129 DCUs including DCU replacement in 60 Locations.

43rd TCC advised POWERGRID to pursue with the concerned vendor proactively and intimate the final negotiated cost in the forthcoming ERPC meeting. 43rd ERPC accorded in-principal approval for the above AMC contract as per the decision of TCC and directed Powergrid to expedite the price negotiation.

In 44th CCM, PowerGrid representative informed that the LOA for the AMC contract has already been placed with M/s TCS and the same is valid till 31st March 2026. The value of the contract has been negotiated to ₹ 4.77 crores (excluding GST) from the pre-negotiated value of ₹ 4.98 crores (excluding GST). Hence, the total value of the AMC contract is ₹ 5,63,01,576/- including GST.

POWERGRID may further update the latest status.

Deliberation in the 44th TCC meeting:

Powergrid informed that the final value of AMC contract after negotiation is ₹ 5,63,01,576/- including GST.

TCC approved and referred to ERPC for further concurrence.

ERPC may concur.

Deliberation in the 44th ERPC Meeting:

ERPC concurred.

B1.5. Requirement of additional MiP-PSCT License key with Laptop

JUSNL vide email dated 16/09/21 intimated that only 02 (two) nos. of Mi-PSCT license has been provided to them under the scope of protection database project. They informed that as JUSNL transmission network is consistently expanding day by day, they would require additional 04 (four) nos. of Mi-PSCT license with Laptop under the project “creation and maintenance of web-based protection database management system and power system calculation tool for eastern region Grid” for system study i.e. load flow analysis, relay coordination, DR file analysis etc.

Deliberation in the 44th TCC meeting:

JUSNL informed that additional number of MiP-License is required for each of their five transmission zones. Extensive Training on the use of the software may also be included in the scope of work.

After detailed deliberation, TCC advised all the utilities of ER including JUSNL to furnish their requirement, if any, for additional MiP-PSCT license to ERPC Secretariat citing proper justification.

Further TCC advised ERPC secretariat to prepare a DPR for additional MiP-PSCT license as per the requirement of ER utilities.

ERPC may authorize ERPC secretariat to prepare a DPR and submit to PSDF nodal agency.

Deliberation in the 44th ERPC Meeting:

ERPC advised all the utilities to submit their requirement, if any, by 15th October'2021. ERPC further advised ERPC Secretariat to prepare and submit a DPR for additional MiP-PSCT licenses required for ER utilities for PSDF funding.

B1.6. Extension of support period for the project “Creation & Maintaining a web based Protection database and desktop based Protection setting calculation tool for Eastern Regional Grid”

The PSDF funded project of ERPC “Creation & Maintaining a web-based Protection database and Desktop based Protection Setting calculation tool for Eastern Regional Grid” was implemented and declared Go-line on 31.10.2017. Presently 4th year support period is in progress. As per the contract of the project, the support service will be provided for 5 yrs after declaration of the Go-Live of the project which is till 31.10.2022.

The online database(PDMS) as well as the offline PSCT tool are being utilized by all utilities of ER for analysing the grid disturbances, carrying out various studies i.e. load flow, short circuit, relay coordination, DR analysis etc. , sharing the disturbance report/DR/EL through online portal for compliance etc.

It is proposed to extend the AMC/support service of the project for further period of 5 yrs starting from 31.10.2022. For funding of the above requirement, a proposal may be submitted to PSDF secretariat for consideration of the same and approval.

Deliberation in the 44th TCC meeting:

ERPC secretariat informed that as per the contract of the project, the support service of the PSDF funded project of ERPC “Creation & Maintaining a web-based Protection database and Desktop based Protection Setting calculation tool for Eastern Regional Grid” is for 5 yrs. Presently the 4th year of support period is in progress and the support service would be active till 31.10.2022.

Therefore, for future updation of Protection Database, the support service needs to be continued. Hence it is proposed that a DPR for support service for another 5 years in this regard may be prepared and submitted for funding through PSDF.

TCC agreed to the proposal and referred it to ERPC.

ERPC may authorize ERPC secretariat to prepare a DPR and submit to PSDF nodal agency.

Deliberation in the 44th ERPC Meeting:

ERPC authorized ERPC Secretariat to prepare a DPR for support service for future updation of the Protection Database for another 5 years and share the cost estimate details with all the concerned utilities. Subsequently, the DPR shall be submitted for PSDF funding.

B1.7. Provisioning of STM-16 Channel between Darbhanga (ATL-Coriant) – Darbhanga (PMTL-ECI)- Muzaffarpur (PG-Coraint) Equipment

A redundant path of Malda- Farakka was provisioned by POWERGRID as per advice of the forum, in the form of Kishanganj (PG-Coriant) - Darbhanga (ATL- Coriant) STM-16 link and Darbhanga (ATL-Coriant) - Muzaffarpur (PG-Coriant) STM-4 link. The capacity of STM-4 provisioned between Darbhanga (ATL- Coriant) - Muzaffarpur (PG Coriant) & Kishanganj (PG-Coriant)- Dalkhola (PG-Coraint) is becoming a bottleneck in utilization of optimum capacity of Kishanganj (PG-Coriant)- Darbhanga (ATL- Coriant) STM-16 link and providing redundancy with optimum capacity. It is proposed to provision a new STM-16 Connectivity between Darbhanga (ATL-Coriant)- Darbhanga (PMTL-ECI) - Muzaffarpur (PG-Coraint) Equipment & Kishanganj (PG-Coriant)- Dalkhola (PG-Coraint) STM-4 link may be upgraded to STM-16, which will enable use of the network for redundancy purpose at optimum capacity i.e. STM-16. The tentative cost of the proposed Upgradation will be ₹ 3.5 Lacs approx.

9th TeST committee approved the proposal and referred it to the Commercial Committee meeting.

In 44th CCM Meeting, PowerGrid representative informed that in principle agreed in the 9th Test meeting for the proposal for STM-16 Channel between Darbhanga (ATL-Coriant) – Darbhanga (PMTL-ECI)- Muzaffarpur (PG-Coraint).

The estimated expenditure for the proposed upgradation work will be ₹ 3.5 Lacs approx. has been agreed by the Commercial Committee.

The matter was referred to forthcoming TCC meeting for concurrence.

Deliberation in the 44th TCC meeting:

TCC concurred the proposal for STM-16 Channel between Darbhanga (ATL-Coriant) – Darbhanga (PMTL-ECI) - Muzaffarpur (PG-Coraint) for an estimated cost of Rs. 3.5 Lacs approx. and referred it to ERPC.

ERPC may concur.

Deliberation in the 44th ERPC Meeting:

ERPC concurred proposal for STM-16 Channel between Darbhanga (ATL-Coriant) – Darbhanga (PMTL-ECI)- Muzaffarpur (PG-Coraint) for an estimated cost of Rs. 3.5 Lacs approx.

ITEM NO B. 2: Capacity Building Program of Eastern Region funded through PSDF

Ministry of Power, GOI had granted a sanction from PSDF fund for the following capacity building programs for the Eastern Region:

- 1) Training for Power System Engineers
- 2) Training on Power Market Trading at NORD POOL Academy for Power System Engineers of Eastern Regional Constituents

Subsequently, Agreement with Nodal Agency (i.e. NLDC have been signed for both the projects in September, 2018 and both the projects are being executed by ERPC Secretariat.

A. Training for Power System Engineers of various constituents of Eastern Region.

This program is basically meant for young entry level engineers working in State Load Despatch centres, State Transmission Utilities, State Gencos, ISGS, DISCOMS & others in Eastern Region, ERLDC, ERPC, CEA, MoP. A sanction of Rs. 61 lacs has been granted from PSDF for this project.

Total 8 nos. of programs each consisting of five days are to be conducted during the duration of two years. Each batch will comprise of 30-40 nos. of participants

The program is to be executed by Eastern Regional Power Committee (ERPC) in consultation with Asia Institute of Power Management (AIPM), CESC Ltd.

The following training program has been conducted under this project:

Training program No.	Training module name	Schedule	Venue	No. of participants
Batch-1	Power System protection	22nd to 26th July, 2019	AIPM, CESC	41
Batch-2	Latest Developments in Commercial Aspects of Power Management	18th to 22nd November, 2019	AIPM, CESC	36
Batch-3	Challenges and improvement areas in Transmission & Distribution Sector	13th to 17th January, 2020	AIPM, CESC	29
Batch-4	Ensuring Safe and Secure Power System Operation	2nd to 6th March, 2020	AIPM, CESC	31

- i) The Payment for 1st & 2nd Batch of the training program has been released to M/s AIPM, CESC Ltd in the year 2019 and a part payment of 45% for the 3rd Batch of training program has also been released to AIPM, CESC Ltd in the year 2020.
- ii) The requisition for 3rd installment of fund from PSDF was placed to Nodal Agency of PSDF i.e. NLDC and the same has been received in June'2020.
- iii) The payment for remaining 55 % of the 3rd batch of program & 4th batch of the training has been released to M/s AIPM, CESC Ltd in Dec'2020.
- iv) The training program for remaining four batches would be continued after the normalization of current Covid situation.

ERPC may guide.

Deliberation in the 44th ERPC Meeting:

ERPC secretariat intimated that 4 no. of training program already completed and the remaining 4 no. of program would be continued after the normalization of current Covid situation.

ERPC opined that since the current Covid situation is improving, the training program should be conducted in near future. ERPC further advised ERPC secretariat to coordinate with AIPM for conducting the remaining training program.

B. Training on power market trading at NORD POOL Academy for Power System Engineers of Eastern Regional Constituents

This capacity building program was meant to contribute towards capacity building and assist the development of a commercially viable and vibrant power market in India. It will also give an unique opportunity to the Indian participants to learn from the best industry practices and most enriching experiences of Nordic countries in running one of the most successful power exchanges in the world. It would benefit the participants from the State Transmission Utilities (STUs), Distribution Companies, State Load Despatch Centres (SLDCs), Generators (including ISGS), ISTS Licensees in Eastern Region, Power System Operation Corporation (POSOCO) and Eastern Regional Power Committee (ERPC) Secretariat. Participation from Central Electricity Authority (CEA), Ministry of Power, GoI has also been envisaged. A sanction of Rs. 5.46 Crore has been granted from PSDF for this project.

The program is to be executed by Eastern Regional Power Committee (ERPC) in consultation with partner M/s PTC and Nord Pool Consulting.

The detailed list of constituent-wise participants was approved in 39th ERPC. As per the decision of various ERPC meetings, ERPC Secretariat has completed the followings:

- i) The 1st training program was conducted for senior executives from 17th to 21st June, 2019 at Nord Pool, Norway.
- ii) The 2nd training program was conducted for mid-level executives from 19th to 23rd August, 2019 at Nord Pool, Norway.
- iii) Payment for the 1st & 2nd Batch of the study program had been released to M/s PTC India Ltd as per the terms of the contract.

- iv) The training for 3rd batch for mid-level executives was scheduled from 16th March, 2020 to 20th March, 2020 (excluding journey periods) at Nord Pool, Norway and a payment of ₹ 92,13,440/- (Rupees Ninety-Two Lakh Thirteen Thousand Four Hundred and Forty only) was released to PTC India Ltd. against reimbursement of 80% of advance payment.
- v) Subsequently in view of Covid-19 pandemic and consolidated travel advisory dated 06.03.2020 issued by GoI to avoid travelling to the countries affected by Covid-19, the study program of 3rd batch was postponed with the approval of chairperson, ERPC.
- vi) The training program for 3rd & 4th batch would be continued after the normalization of current situation and removal of international travel restrictions by Govt. of India.

ERPC may guide.

Deliberation in the 44th ERPC Meeting:

ERPC secretariat explained that first two batches of training program already completed and the 3rd & 4th batch of training program has to be postponed in view of COVID Pandemic. The same would be completed in consultation with PTC after the normalization of current Covid situation.

PTC representative informed that the Covid situation is improving worldwide and they would further explore the possibilities with Nord Pool for conducting the 3rd & 4th Batch training program and intimate to ERPC Secretariat. Members opined that the remaining training program may be conducted in the month of March-2022 & April-2022 respectively.

Chairperson, ERPC advised that there should be a feedback mechanism after completion of training program for knowledge sharing with other members of ER constituents.

After detailed deliberation, ERPC felt the necessity of the Training program for capacity building of Engineers of Eastern Region and advised ERPC secretariat to coordinate with nodal agency PTC India Ltd for finalization of schedule, course module etc. Further, ERPC Secretariat was also advised to coordinate with ER utilities for finalization of participants and other formalities for completion of the above programme.

ITEM NO B. 3: Reporting of expenditures from ERPC funds.

Expenditures from ERPC Establishment Fund and ERPC Fund are made as per the approved regulations on the funds. However, the following expenditures have been made which are placed for approval/information of ERPC:

3.1: Expenditures incurred out of sanctioned amount from 'ERPC Establishment Fund'- For approval of ERPC.

A. Outsourcing of Manpower & Security Services

Deployment of Man power for Office assistant & MTS along with deployment of Security and housekeeping staffs for smooth running of ERPC office and its residential complex, M/s GS&IS has been engaged by inviting open tender w.e.f 01.07.2021 for a period of two (02) years. In this regard, **Rs.9,14,601/-** has been spent for the month of July'21.

**** Note an estimated amount of Rs.10 Lakhs per month will be required for making payment to M/s GS&IS for providing aforesaid services in ERPC.**

B. Services of Drivers, PA and Electrician in ERPC office

- (a) In light of the approval obtained in 43rd ERPC Meeting, services of two (02) nos. Driver, one (01) no. PA and one (01) no. Electrician has been taken during the period from Mar'21 to July'21. As such expenditure incurred for the services of drivers, PA & Electricians is Rs. 3,20,437 /- only.
Further Rs.15,680/- has been paid for service of one (01) no. driver in the month of Aug'21.

C. Payments made for ERPC Office Establishment.

- (a) **Rs.70,050/-** has been spent towards payment to TATA Teleservices for charges if internet connection in ERPC office building.
(b) **Rs.63,258/-** has been spent towards payment to Kone Elevator India Pvt. Ltd. for quarterly maintenance charges of 2 (two) nos. lift installed at ERPC office building.
(c) **Rs.1,28,820/-** has been spent towards payment to CESC for Electricity Bill of ERPC office building & ERPC residential quarter.
(d) **Rs.2,12,737/-** has been spent towards payment to CESC for Electricity Bill of ERPC office building & ERPC residential complex and Kone Elevator India Pvt Ltd for maintenance of Lift.

Total expenditure incurred for these aforesaid works is **Rs. 4, 74, 865 /-** only.

D. Indoor Gym in ERPC Staff Quarter.

For installation of Indoor Gym equipment in ERPC Staff Quarter an estimated amount of Rs.7 Lakhs has been approved in the 43rd ERPC Board Meeting. In light to this approval, **Rs.4,88,381/-** has been spent towards payment to Power Break Services Pvt. Ltd. for supply and installation of Indoor Gym equipments in ERPC Staff Quarter and refurbishment of space for the Gym.

**** Balance Rs.2.11 lakhs are left for further procurement of Gym equipments.**

E. Operationalization of ERPC Guest House

In the **43rd ERPC Meeting**, approval for an estimated amount of Rs.10 Lakhs has been granted by the Board in order to make guest house (15 no. rooms) of ERPC office /residential complex operational after renovation.

In this regard, **Rs.22,889/-** has been spent towards purchase of miscellaneous items for operationalization of ERPC Guest House in ERPC Residential Quarter.

**** Balance Rs.9.7 lakhs are left for further procurement of various items.**

F. Repair & Maintenance of ERPC Office Building

- (a) **Rs.19,280/-** has been spent for replacement and repair of damaged plumbing and sewage system for ERPC office and residential complex.
- (b) **Rs.12,590/-** has been spent for purchase of Vacuum cleaner for ERPC office and guest house.
- (c) **Rs.15,163/-** has been spent for purchase of tools & tackles for minor repair works at ERPC office and residential complex.

Total expenditure incurred is **Rs.47,033** /- only.

Members may approve.

Deliberation in the 44th ERPC Meeting:

ERPC approved the above expenditure.

ERPC further advised ERPC secretariat to expedite the operationalization of ERPC Guest House.

3.2: Expenditures Incurred from ‘ERPC Establishment Fund’ as approved in previous ERPC meetings. - For information to ERPC.

A. Reimbursement of Fund to Govt of India

Rs.1,43,18,923/- to the consolidated fund of Govt. Of India towards reimbursement of the actual expenditure incurred by the office of the ERPC Secretariat for the period Jan’21 to June’21 (as per para-2 of regulations on ERPC Establishment Fund).

B. Maintenance of two nos. ERPC vehicle

Rs.57,527/- has been spent regarding servicing/repairing, Fuel, insurance for the two nos. ERPC office vehicle (TATA HEXAWB-02-AL-0227 & Mahindra XYLO WB-02AD-9028) during the period from April’21 to August’21.

C. Consultant Payment

Rs.4,23,667/- paid to Consultant and MTS engaged in ERPC office as per the approval of 37th ERPC meeting dated 17.03.2018 for the period Mar’21 to August’21.

D. Outsourced services

Rs.49,67,734/- has been paid for the deployment of man power for Office assistant & MTS along with deployment of Security and housekeeping staffs services during the period from Feb’21 to June’21 and Rs.1,42,500/- for complete maintenance of garden area including all labourers & materials for the period from Feb’21 to July’21.

E. Expenditure on hosting of 43rd ERPC meeting:

Rs. 5.89 Lakhs has been spent from ERPC Fund for hosting 43rd ERPC Meeting held on 26th Mar’2021 at Hotel Vivanta, Kolkata. This amount has been spent against the approved expenditure amounting to Rs.7 lakhs.

Members may approve sanction of actual expenditure.

Deliberation in the 44th ERPC Meeting:

ERPC noted.

3.3: Proposal of expenditures to be incurred from ‘ERPC Establishment Fund’ -For approval of ERPC

A. Expenditure from ERPC Establishment Fund in lieu of restriction in Budgetary Expenditure from Govt of India:

Govt of India, Ministry power vide order dated sanctioned the budget estimate for the F. Y 2021-22 of Rs 2.84 crore in respect of ERPC, Kolkata. This amount is being reimbursed to Govt of India by ERPC constituents members based on the actual expenditure at ERPC Secretariat by every Quarterly. Till date, ERPC has reimbursed an amount of Rs. 73 lakh towards Quarter 1 expenditure of ERPC secretariat of F.Y. 2021-22.

Due to the Covid-19 pandemic situation, Govt of India imposed 20% reduction in the controllable expenditure of Central Government Budgetary allocation for the Financial Year 2021-22 by taking 2019-20 as a base year for the above restrictions. Ministry of Finance, Dept. of expenditure OM Vide No. 7(1)E.Coord/2020, dated 10.06.2021 and Ministry of Power OM dated 18.06.2021 and subsequently, PAO, CEA letter No. PAO/CEA/Pre check/misc/2021-22/81, dated 01.07.2021, the fund under Regional Coordination Committee OE, MW, OC & DTE Head for F.Y. 2021-22 of this office has been limited to Rs. 37.35 lakh whereas the allotted Budgetary B.E. Fund for F.Y. 2021-22 under the above head was Rs. 64.76 lakh. The details are given below:

Head	B.E. 2021-22(Rs. In Lakh))	Expenditure Allowed (Rs. In Lakh)	Deficit (Rs. In lakh)
OE	44.76	23.07	21.69
MW	6	2.76	3.24
OC	5	2.81	2.19
DTE	9	8.71	0.29
	64.76	37.35	27.41

Thus, the available budget for expenditure towards ERPC secretariat under the above was reduced considerably. ERPC secretariat is unable to make the payment towards committed expenditure required for smooth running of this office viz. monthly electricity bill, quarterly lift maintenance, computer AMC, Internet lease line, firefighting AMC & other annual maintenance contract, etc since the restriction has been imposed. In the last two-month, ERPC secretariat has made the payment towards its committed expenditure by taking approval from Chairperson, ERPC. Since this issue will be continued for the whole Financial Year 2021-22.

Approval for Rs. 27.41 lakh may be accorded from ERPC Establishment Fund in lieu of restriction in expenditure from Govt. of India Budgetary allocation in the F.Y. 2021-22.

ERPC may approve.

Deliberation in the 44th ERPC Meeting:

ERPC approved the expenditure proposal of Rs. 27.41 lakh from ERPC Establishment Fund.

B. Purchase of Laptop:

ERPC Secretariat plays a vital role in the Eastern Region and has been entrusted with many important works like Operation Co-ordination, formulation of Protection Scheme and Islanding Scheme, Protection Audit, maintenance of Protection Database, finalization of Load Generation Balance Report, Commercial Accounting (Regional Energy Accounting, Bi Lateral Accounting, Regional Transmission Accounting, Regional Transmission Deviation Accounting, Deviation Settlement Mechanism Accounting, Compensation Accounting, Reserve Regulation Ancillary Services Accounting etc.), holding different meetings (Operation Co-ordination Committee Meeting, Protection Co-ordination Committee Meeting, Commercial Committee Meeting, TeST Meeting, TCC Meeting , ERPC Meeting and other issue based meetings). ERPC officers have to regularly attend different online meetings where ERPC Secretariat has to give presentations and answer questions for which ready access to the data/information and documents is required. Further, because of the shortage of officers at ERPC Secretariat, some works need to be performed at home also. At times, constituents of Eastern Region also interact with the officers beyond office hours for which easy access to data and documents is needed. Keeping in view all these things, it is felt that availability of Laptop would help the officers of ERPC to discharge the functions more effectively. As per the requirement of the office, 7 nos. of laptop is required for officers of ERPC.

It is requested to sanction a sum of Rs. 6, 00,000/- (Rupees Six Lakh only) from ERPC Establishment Fund for this purpose.

ERPC may approve.

Deliberation in the 44th ERPC Meeting:

ERPC approved.

C. Purchase of Furniture for ERPC Office:

After surveying it has been observed that there is lack of furniture for proper seating arrangements for ministerial staffs.

It is proposed that for sitting arrangements for 15 nos. ministerial staff, some furniture need to be procured on urgent basis for better look and work environment of the office. In view

of the above, an estimated amount of Rs 7 lakhs may be required for procurement of above furniture items.

A sum of Rs. 7, 00,000/- (Rupees Seven Lakh only) may be sanctioned from ERPC Establishment Fund for this purpose.

ERPC may approve.

Deliberation in the 44th ERPC Meeting:

ERPC approved the above proposal.

D. Minor Repair Work at ERPC Office building:

In current renovation work of ERPC office building, the 4th floor of ERPC office is not covered. Presently some minor repair work needs to be carried on urgent basis.

For this work, an estimated amount of Rs. 10,00,000/- (Rupees Ten Lakh only) may be required. Therefore a sanction of Rs. 10,00,000/- may be sanctioned from ERPC Establishment Fund for this purpose.

ERPC may approve.

Deliberation in the 44th ERPC Meeting:

ERPC approved an expenditure sanction of Rs. 10,00,000/- from ERPC Establishment Fund.

E. Expenditure approval for hosting 44th TCC & ERPC meeting.

An estimated amount of Rs. 20 lakh (Rupees Twenty lakh only) is required for organising the 44th TCC & ERPC Meeting. The 44th TCC & ERPC meeting is being organized by ERPC Secretariat. In this regard in principle approval of Rs. 10 lakh was obtained from Chairperson, ERPC.

A revised sum of Rs. 20, 00,000/- (Rupees Twenty Lakh only) may be sanctioned from ERPC Fund for this purpose.

ERPC may approve.

Deliberation in the 44th ERPC Meeting:

ERPC sanctioned Rs. 20,00,000/- from ERPC Fund for hosting 44th TCC & ERPC meeting.

ITEM NO B. 4: Outstanding contribution to ERPC Funds:

Contributions from the following organizations are still due:

- i) Ind-Barath Energy (Utkal) Ltd. (IBEUL): Rs.48 lakh (for 2016-17, 2017-18 & 2018-19)– Bills not raised from the year 2019-20 onwards.
- ii) Gati Infrastructure Private Ltd. (GIPL): Rs.64 lakh (for 2017-18, 2018-19, 2019-20& 2020-21)
- iii) Sneha Kinetic Power Projects Pvt. Ltd.: Rs. 16 lakhs for 2020-21
- iv) Durgapur Projects Ltd. (DPL): Rs. 16 lakhs for 2020-21.
- v) Powerlink Transmission Ltd.: Rs.16 lakhs for 2020-21.

IBEUL plant is not operational for a long time and reportedly under liquidation. Therefore, bills were not raised for the year 2019-20.

Several letters were issued from ERPC Secretariat to GIPL requesting payments. In response, GIPL vide letter No.GIPL/CO/ERPC/2019-20/12-001 dated 30.12.2019 has requested to waive off the fee to be paid towards ‘ERPC Establishment Fund’ and ‘ERPC Fund’.

Members may note that requests on similar ground were received from Dans Energy Private Limited (DEPL) and Shiga Energy Private Limited (SEPL) to exempt them from payment of Participation Fee. But it was not agreed. Subsequently both DEPL and SEPL paid the Participation Fee.

Members may discuss and decide.

Deliberation in the 44th ERPC Meeting:

ERPC directed all the concerned utilities to liquidate their outstanding contribution and further advised MS, ERPC to take up the matter with the concerned utilities.

ITEM NO B. 5: Finalisation of dates and venue for the next ERPC & TCC meetings.

The roster for hosting of ERPC meetings is given below:

Sl. No	Host Organization
1	APNRL - hosted 23 rd ERPC Mtg. on 22.12.2012
2	WEST BENGAL -hosted 26 th ERPC Mtg. on 18.01.2014
3	SIKKIM - hosted 29 th ERPC Mtg. on 14.02.2015
4	ODISHA - hosted 31 st ERPC Mtg. on 14.11.2015

5	JHARKHAND - hosted 32 nd ERPC Mtg. on 20.02.2016
6	BIHAR - hosted 33 rd ERPC Mtg. on 25.06.2016
7	CESC - hosted 34 th ERPC Mtg. on 19.11.2016
8	TPTCL - hosted 35 th ERPC Mtg. jointly on 25.02.2017
9	MPL - hosted 35 th ERPC Mtg. jointly on 25.02.2017
10	GMRKEL -hosted 36 th ERPC Mtg. on 26.08.2017
11	POWERGRID - hosted 37 th ERPC Mtg. on 17.06.2018
12	DVC -hosted 38 th ERPC Mtg. on 30.06.2018
13	NVVN - hosted 39 th ERPC Mtg. Om 17.11.2018
14	NHPC - hosted 40 th ERPC Mtg. on 16.03.2019
15	NTPC - hosted 41 st ERPC Mtg. on 27.03.2019
16	PTC - hosting 42 nd ERPC Mtg. on 13.12.2019
17	JITPL - yet to host ERPC Mtg.
18	Teesta Urja Ltd. - yet to host ERPC Mtg.

It is proposed that 45th TCC & ERPC meetings may be hosted by **West Bengal** (WBSEDCL, WBSETCL, WBPDC & DPL) in Dec'2021. **Energy & Power Department, Govt. of Sikkim**, is requested to host the 46th TCC and ERPC meetings in Mar'2022.

Members may discuss and finalize.

Deliberation in the 44th ERPC Meeting:

As per the roster for hosting of ERPC Meetings, West Bengal had to host the 41st ERPC Meeting in the year 2019; however, they couldn't host the Meeting due to some difficulties at their end.

ERPC emphasized that the 45th ERPC Meeting would be hosted by West Bengal. WBSEDCL representative submitted that they would confirm the same to ERPC Secretariat after getting necessary consent from Govt. of West Bengal.

The 45th ERPC meeting would be held tentatively in the 1st week of February'2022.

PART-C: ITEMS FOR INFORMATION

ITEM NO. C1:	Categorization of Thermal Power Plants as per the new MOEF&CC notification dated 31.03.2021 for implementation of new emission norms.
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As per new MoEF & CC Gazette Notification dated 31.03.2021 regarding Amendment to Environment (Protection) Rules, 1986 wherein thermal power plants have been categorized into A, B & C categories on the basis of their location from nearest Million plus population city, critically polluted areas and Non-attainment city for implementation of new emission norms as notified in 2015. To comply with the emission norms, time limit is as follows:

Sl.	Category	Location/Area	Non-retiring Units	Retiring Units
1.	Category-A	Within 10 km radius of cities having Million plus Population	Upto 31 st Dec, 2022	Upto 31 st Dec, 2022
2.	Category-B	Within 10 km radius of Critically Polluted Areas or Non-attainment Cities	Upto 31 st Dec, 2023	Upto 31 st Dec, 2025
3.	Category-C	Other than those included in Category A & B	Upto 31 st Dec, 2024	Upto 31 st Dec, 2025

As per the Notification, after the time limit, there shall be levied environment compensation based on per unit electricity generated on the non-retiring thermal power plant.

In Eastern Region, plants fall under Category-A & B are:

Category-A: APNRL (2x270 MW), Jojobera TPS (2x120 MW), Dishergarh TPS (1*12 MW), Southern TPS (2x 67.5 MW), Titagarh TPS (4x60 MW).

Category-B: KBUNL (2x110 MW + 2x 195 MW), GMR (3x 350 MW), Durgapur Steel TPS (2x500 MW), Waria TPS (1x 210 MW), Hiranmayee TPS (2x150 MW), DPL (1x300+1x250 MW).

Thermal power stations may expedite the installation of FGD to avoid any financial penalty.

Members may note for compliance.

Deliberation in the 44th TCC meeting:

MS, ERPC sensitized the issue of categorization of Thermal Power Plants as per the new MOEF&CC for implementation of new emission norms.

Members noted for compliance.

ITEM NO. C2:

Governor Response of State Control Area Generating units and Frequency Response Characteristics of SLDC

It has been observed that few generating units of State Control Area are being run at more than MCR on various occasions. Those units are not able to provide adequate primary frequency response due to the unavailability of PFR margin. As per IEGC section 5.2 (h), generating units are to run by ensuring adequate PFR margin.

In this regard a meeting was convened on 31.08.2021 wherein it was suggested that generating units must avoid running units in VWO mode or without PFR margin.

ERPC secretariat advised that each SLDC must ensure the monitoring of generating units to avoid any over generation and utilization of primary response margin.

TCC may advise state generators for necessary compliance.

Deliberation in the 44th TCC meeting:

TCC advised concerned SLDC to ensure the monitoring of generating units to avoid any over generation and utilization of primary response margin.

TCC further advised state generators for necessary compliance.

ITEM NO. C3:

Implementation of Islanding Schemes in Eastern Region

In the meeting held on 28th December 2020 and chaired by the Hon'ble Minister of State (IC) it was directed that islanding schemes should be implemented for all major cities of the country considering all the strategic and essential loads. Subsequently, in line with the direction given in the meeting, the subject matter was discussed in PCC meeting of ERPC and it was finalized that new islanding scheme would be implemented for capital city of Patna & Ranchi.

1. Patna Islanding Scheme

In the special meeting held on 06.08.2021, it was decided that Patna islanding scheme would be designed considering two unit of Nabinagr STPP(2*660 MW) of NPGCL as participating generator and loads of in and around Patna city. The provision of island formation with one unit of NPGC with corresponding load is also to be included in the island logic.

The islanding frequency & logic will be finalized based on the result of dynamic study to be carried out by SLDC Bihar/ERLDC.

The following timelines were decided:

1. Submission of requisite information by SLDC, Bihar: 2nd week of Aug' 2021.
2. Completion of Islanding simulation study by ERLDC: 4th Week of Aug' 2021
3. Review of islanding study & designing of the logic: By September'2021
4. Implementation & Operationalization of the Islanding Schemes: By March'2022

In 106th PCC meeting held on 16.09.2021 it was informed that the requisite information had already been shared by SLDC Bihar and the study is under progress by ERLDC. Further SLDC Bihar was advised to prepare the DPR by September'2021 for PSDF funding, if required.

BSPTCL may update.

Deliberation in the 44th TCC meeting:

BSPTCL updated that preparation of DPR for PSDF funding is under process and the same would be completed within 15 days.

TCC stressed on the fact that this issue is being regularly monitored by MoP and advised BSPTCL for timely implementation of the Islanding Scheme.

2. Ranchi Islanding Scheme

In the special meeting held on 06.08.2021, it was decided that Ranchi islanding scheme would be formed with one unit of Tenughat TPS(150-160 MW average generation) & Inland IPP(50-55 MW average generation) as participating generator & essential/critical loads of Ranchi to the tune of 180 MW. The islanding frequency & logic will be finalized based on the result of dynamic study to be carried out by SLDC Jharkhand/ERLDC.

The following timelines were decided:

1. Submission of requisite information by SLDC, Jharkhand: 2nd week of Aug' 2021.
2. Completion of Islanding simulation study by ERLDC: 4th Week of Aug' 2021
3. Review of islanding study & designing of the logic: By September'2021
4. Implementation & Operationalization of the Islanding Schemes: By February'2022

In 106th PCC meeting held on 16.09.2021 it was informed that the requisite information had already been shared by SLDC Jharkhand and the study is under progress by ERLDC. Further SLDC Jharkhand was advised to prepare the DPR by September'2021 for PSDF funding, if required.

JUSNL may update.

Deliberation in the 44th TCC meeting:

JUSNL updated that preparation of DPR for PSDF funding is under process and the same would be completed within 15 days.

TCC stressed on the fact that this issue is being regularly monitored by MoP and advised JUSNL for timely implementation of the Islanding Scheme.

In addition to above new islanding schemes, the following schemes have already been finalized and under different stage of implementation.

3. Chandrapura Islanding Scheme

The scheme detail in brief is as follows:

- The CTPS-B islanding scheme is to be designed with two units of CTPS-B (2x250 MW) generating station as participating generator and connected loads at CTPS, Putki, Biada, Nimiaghata&Patherdih. The estimated off-peak and peak load in the proposed islanding system is 280 MW & 420 MW respectively.
- The islanding frequency for CTPS-B islanding system was decided as 48.4 Hz.

In special meeting held on 06.08.2021, following deliberations took place – Representative of SPE wing of DVC updated that necessary discussion for implementation of the scheme at CTPS-B is going on with M/s GE for finalization of the scope of work & other modalities. He submitted that the tender process for implementation of islanding scheme would be initiated within two weeks.

DVC was advised to prepare the detail action plan for implementation of the scheme along with time line for each milestone and submit it to ERPC secretariat within fortnight. They were also advised to take all measures in expediting the implementation work.

The time line for implementation of Chandrapura Islanding Scheme is March-22.

DVC may update.

Deliberation in the 44th TCC meeting:

DVC representative informed that the work order for implementation of Chandrapura Islanding Scheme would be placed by March-2022 and the same would be implemented within 6 months.

4. KBUNL Islanding Scheme

In special meeting held on 08.06.2021, following deliberations were made:

1. KBUNL Islanding scheme would be designed considering both units of KBUNL stage-II (2x195 MW) as participating generator and connected radial loads at Gopalganj along with in-house load of KBUNL.
2. The islanding frequency will be at 48.6 Hz and this is subject to revision based on the suggestion received from KBUNL/OEM on under frequency settings of the generator units.
3. KBUNL would expedite the construction work related to implementation of Islanding scheme in switchyard. They would also take up with concerned OEM for testing and commissioning of islanding relay panel at their end.

In 106th PCC Meeting following deliberations were took place -

Regarding bay construction work at KBUNL switchyard, NTPC informed that civil work would be completed by October-21 & further testing & commissioning would be completed by January-21.

ERPC secretariat informed that time line for implementation of KBUNL islanding scheme had been decided as December-21 and advised NTPC to complete the bay construction work as well as other pending works related to implementation of the islanding scheme at the earliest.

KBUNL may update.

Deliberation in the 44th TCC meeting:

NTPC representative informed that the Islanding Scheme would be implemented by February-2022.

TCC advised NTPC representative to share the detailed timelines for completion of the remaining work to ERPC.

TCC further advised NTPC to implement the KBUNL Islanding Scheme as per the timeline.

5. IB-TPS Islanding Scheme

The scheme was finalized in the special Meeting on Islanding Scheme of IB-TPS held at ERPC, Kolkata on 12th December 2018.

In special meeting held on 06.08.2021, OPGC representative informed that work order had been placed on OEM (M/s BHEL) for implementation of the Islanding scheme at IB TPS units.

OPGC was also advised to take up the issue with their highest authority as well as with the OEM for expediting the implementation of islanding scheme.

The target date for implementation of the islanding scheme is April-22.

OPGC may update.

Deliberation in the 44th TCC meeting:

OPGC representative informed that IB TPS Islanding Scheme would be implemented as per the given timeline i.e. April-22.

C4.1: Restoration of 220kV Farraka-Lalmatia S/C line

The 220 kV Farakka-Lalmatia S/C was out of service since April 2021 due to tower collapse. The 220/132/33 kV Lalmatia substation is relying on only 132 kV lines. At present the local load at 220 kV Dumka and Godda S/S were being radially fed from 400/220 kV Maithon S/S through 220 kV Maithon-Dumka D/C and 220 kV Dumka-Godda D/C.

In the meeting held on 10th August 2021 by the Hon'ble Secretary, Ministry of Power, Government of India, ECL was directed to handover the FLTS assets on "as is where is basis" to JUSNL, the Operation and Maintenance whereof as was with the NTPC is also to be transferred to the JUSNL without any further delay and latest by 20th August 2021. Further JUSNL was directed to comply with all other directions of the CERC's order dated 21.07.2020, after the transfer of the FLTS from ECL.

In the 182nd OCC meeting, JUSNL representative submitted that the tripartite agreement for taking over of FLTS as well as O&M of FLTS is in process and the same would be done after getting the consent from the competent authority by 4th week of August'2021.

ERLDC representative advised JUSNL for putting 220kV Lamatia-Godda line into service. JUSNL representative informed that they had tried to charge the line once but due to voltage rise at Lalmatia end, they had to open the line.

In the 183rd OCC Meeting, JUSNL representative updated that the proposal has been placed before the BoD of JUSNL. Taking over of the FLTS system would be completed after getting necessary approval from BoD of JUSNL.

JUSNL may update.

Deliberation in the 44th TCC meeting:

JUSNL representative informed that the proposal has already been placed before the BoD of JUSNL and the necessary approval is awaited.

JUSNL representative further informed they had approached State Govt. for necessary funding.

TCC advised JUSNL to resolve the issue at the earliest.

C4.2: Status of O & M agreement for bay equipments at Maithon end of 220 kV D/C Maithon-Dumka Lines with Powergrid

In 103rd PCC meeting, during discussion of tripping of 220 kV Maithon-Dumka line-2 on 15/05/21, it was informed that the auto-recloser in the said line is not in operation due to some issues in PLCC. It was also come to notice that there was no formal agreement between JUSNL &Powergrid

for O & M of the bay equipment at Maithon end. As a result, bay equipment at Maithon end for 220 kV Maithon-Dumka D/C lines are not being maintained properly.

In 181st OCC Meeting, Jharkhand representative submitted that some queries along with few finance observations had been raised to Powergrid in this regard. However, complete reply from Powergrid side is yet to be received and as soon as they receive the response from Powergrid, they would proceed for the agreement. However, in principle they are ready for the agreement.

ERPC opined that as Farakka-Lalmatia line is not in service at present, Maithon-Dumka line is of vital importance and healthiness of PLCC at both ends is to be ensured.

OCC advised Jharkhand to take up the necessary rectification work for ensuring the healthiness of the PLCC. In this regard, Powergrid has also given consent to Jharkhand for the necessary PLCC work at Maithon end.

Jharkhand representative assured that the PLCC would be restored by 15th August 21.

In the 182nd OCC meeting, JUSNL representative submitted that Powergrid had submitted the revised estimate and the same is in the process for approval by competent authority. He further informed that it would be completed by 1st week of September'2021.

In 183rd OCC Meeting, JUSNL representative submitted that in principle approval for the above agreement had already been accorded and signing of the agreement would be completed by 30th September'2021.

JUSNL may update.

Deliberation in the 44th TCC meeting:

JUSNL and Powergrid representatives confirmed that the agreement has already been finalized and the same would be signed within a week.

ITEM NO. C5:	Frequent Tripping of 400 kV Baripada-Kharagpur line.
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It has been observed that 400 kV Baripada-Kharagpur line had tripped multiple times in recent months mostly on single phase to earth fault. As per relay indications from Baripada end, 57 out of 58 instances of tripping occurred in West Bengal jurisdiction. Number of tripping with distance from Baripada is summarised below where it can be observed that repeated fault is occurring at same location:

Distance from Baripada (Km)	No. of trippings
0-10	1
30-40	2
40-50	11
50-60	10
60-75	7
75-85	14
90-100	10
More than 100	3

In 106th PCC meeting, it was observed that most of the trippings had occurred within section of 40-60 Km & 75-100 Km of the line.

WBSETCL representative informed that the tripping of the line in their control area is due to vegetation issue & mainly on account of eucalyptus tree. They further informed that they are facing local issues in clearing the tree/vegetation in the concerned section of the line.

They added that they are planning to resolve the issue in coordination with district administration.

PCC advised WBSETCL to take up the issue with local district administration and referred this to forthcoming TCC meeting.

WBSETCL may update.

Deliberation in the 44th TCC meeting:

WBSETCL representative informed that they have taken up the issue with the local administration and the same would be resolved shortly.

ITEM NO. C6:	Implementation of AGC as a pilot project in West Bengal
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SLDC, West Bengal representative informed that for implementation of AGC among state generators there are two parts to sort out.

Firstly, a quantum of DC of WBPDC plants has to be kept as a hot spinning reserve out of 100% allotment to WBSEDCL for utilization under AGC. In present regime, the capacity charge of the plants for that quantum spinning reserve cannot be claimed from WBSEDCL. So, there should be a regulation of WBERC to cover these financial settlements of state generators scheduled to its beneficiary and actually declared by the plant under AGC after implementation of AGC as per direction of WBERC.

Secondly, the capital cost involved to implement AGC in different state generators and in SLDC should be approved by WBERC to adjust in tariff.

Accordingly, necessary orders /regulations need to be issued by WBERC to cover the above points. After detailed deliberation it was decided that the matter would be placed in forthcoming TCC meeting.

SLDC, West Bengal may update on the status.

Deliberation in the 44th TCC meeting:

SLDC, West Bengal representative informed that necessary orders /regulations need to be issued by WBERC in this regard.

ERPC Secretariat informed that the matter would be placed in upcoming “Meeting of CERC with RPC” scheduled to be held on 07.10.2021.

ITEM NO. C7:	Replacement of GPRS communication with Optical Fiber for AMR
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In ER, approximately 80% meters are connected through Automated Meter Reading (AMR). At present the communication system used for data transfer from each location is GPRS. It has been observed that many locations are not communicating with AMR system due to poor/no GPRS signal. Many substations have their own optical fiber which is also used for the LAN network of respective stations. TCS has successfully connected 02 locations (Subhasgram-PG and Binaguri-PG) in ER-II with PGCIL intranet and these two locations are smoothly reporting to AMR system after connecting with PGCIL LAN. The proposed network will not only provide better communication but also reduce the cost of GSM.

In 39th CCM, Powergrid requested other utilities to share their Fiber details to explore possibilities of using their own optical fiber network, wherever it is available, for communicating with AMR for smooth functioning of AMR.

In 40th CCM, POWERGRID requests all the constituents to share the available optical fiber network connectivity for further configuration to Optical connectivity. This will also help to reduce the maintenance cost of AMR, as recurring cost towards SIM cards may be avoided in that case.

POWERGRID also informed that optical fiber for AMR has been implemented for 38 locations out of 40 and rest would be completed by August'19. However, M/s TCS has confirmed that total 35 locations out of 40 was connected with LAN.

In 41st CCM, BSPTCL representative informed the required details of optical fiber network connectivity have been shared to POWERGRID for configuration AMR Optical connectivity. POWERGRID informed that they have not received any response from other constituents on this matter. All the constituents were advised to explore the possibility of Optical fiber network connectivity instead of GPRS for communication AMR system as this will significantly enhance the reliability of the system.

In 42nd TCC Meeting, TCC advised all the other constituents to share the details of optical fiber in TeST Meeting scheduled to be held on 20th December 2019, so that Powergrid could carry out the configuration of AMR connectivity.

In 42nd CCM, POWERGRID informed that the cost estimate for AMR implementation of BSPTCL system has been received. POWERGRID representative intimated that the cost estimate needs to be further updated.

All other constituents were again advised to explore the possibility of Optical fiber network connectivity instead of GPRS for communication with AMR system as this will significantly enhance the reliability of the system.

POWERGRID was advised to submit the updated status in the upcoming TCC.

Thereafter, the required details of optical fiber network connectivity have been received from OPTCL and DVC for configuration AMR Optical connectivity.

However, M/s TCS has confirmed that LAN connection has been done at 40 locations.

In the 8thTeST meeting ERLDC informed that necessary details have been received from all the state utilities except for Sikkim.

In 43rd TCC/ERPC, POWERGRID informed that necessary details from all the state utilities except for Sikkim have been received for 69 locations. POWERGRID was requested to share the details of 69 locations to ERPC.

TCC advised Sikkim to share the necessary details at the earliest. Further 43rd TCC/ERPC also approved the proposal of replacement of GPRS communication with Optical Fiber for AMR with estimated cost of **Rs. 10.73 lakhs** (excl. GST) for 69 locations (except Sikkim).

In 44th CCM, the Committee expressed serious concern over non-receipt of location details from Sikkim despite repeated persuasion from various forum of ERPC. Sikkim representative agreed to send the details by 15th July,2021. The Committee advised Powergrid to coordinate with Sikkim on this issue.

Powergrid informed that they have already started the work experimentally at Jeerat S/s and are initially planning to complete the work in the locations of West Bengal and nearby areas of Odisha and Jharkhand in the month of July,2021. Subsequently, the locations in DVC and Bihar would be completed by the end of August,2021.

Powergrid and Sikkim may update.

Deliberation in the 44th TCC meeting:

Sikkim submitted that three nos. of locations in Sikkim had been finalised for implementation of optical fibre based connectivity for AMR. The locations are Melli, Gangtok & Sagbari.

Powergrid representative informed that 12 locations at DVC, 2 locations at NHPC/NTPC have already been completed.

They further submitted that the work of 11 locations in Jharkhand & Bihar will be completed by next week and the work at remaining locations would be completed by Dec'2021.

TCC advised Powergrid to furnish the updated location details to ERPC secretariat at the earliest.

ITEM NO. C8:	Proportionate cost sharing by substation bays owners (M/s PMTL and ATL) for boundary wall work carried out by Darbhanga substation owner (DMTCL)
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As appraised by DMTCL to ERPC Secretariat in various monthly OCC meetings that the boundary wall work has been completed by DMTCL at Darbhanga Substation as directed by ERPC & other substation bay owners to avoid the situation experienced in the monsoon of 2020. Initially upon receipt of instructions from EPRC & other authorities, DMTCL already informed to all the authorities that there are 02 more no. of stake holders i.e. M/s ATL & M/s PMTL who are having their assets within the premises of Darbhanga substation from whom DMTCL requested for their co-operation in terms of taking up this work jointly. DMTCL tried their best to pursue and involve M/s ATL & M/s PMTL from design stage itself so that work could be completed with full co-ordination and consensus with all 03 parties. However, both- M/s ATL & M/s PMTL did not supported DMTCL by any means and indicated their inability for this.

As the cost of the above boundary wall is significantly high and it is difficult for any single stakeholder, who is operating transmission asset under TBCB- Tariff Based Competitive Bidding mode, to bear the entire cost. Hence, DMTCL request intervention at TCC level to coordinate among all the stakeholders of DMTCL Darbhanga Substation for bearing the proportionately cost of the substation boundary wall work. Committee to note that the construction of same has been completed in June 2021 by DMTCL at their own without waiting for the support from other bay owners.

DMTCL may explain.

Deliberation in the 44th TCC meeting:

DMTCL representative informed that the cost incurred for the construction of flood protection wall with a pumping arrangement is Rs 3.25 crore and submitted that since ATL & PMTL have their assets within the premises of Darbhanga S/s, they are also liable to share the cost.

Both ATL & PMTL representatives submitted that there is no such clause in the TSA for cost sharing of this boundary wall construction.

TCC felt that the construction of boundary wall was very important as a flood prevention measure and all the licences are likely to be equally impacted in the event of Flood.

After detailed deliberation, TCC opined that all three concerned transmission licensees need to adopt a flexible approach to resolve such types of issues. Further, TCC recommended for formation of a committee comprising of members from STUs of Bihar, Jharkhand, West Bengal and Odisha to examine all the aspects of this issue.

DMTCL, ATL & PMTL were advised to cooperate with the Committee as required.

ITEM NO. C9:	Non-Payment of Outstanding dues in respect of Bhutan Transaction
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PTC India Limited (PTC) has been designated as the nodal agency by Ministry of Power, Gol for supply of surplus power from the four hydroelectric power stations in Bhutan namely Chukha HEP, Tala HEP, Kurichhu HEP and Mangdechhu HEP. These HEPs have been setup under the Inter-Government Agreements between the Royal Government of Bhutan and the Government of India. Power supply from these HEPs to the Indian beneficiaries takes place as per the allocations and tariff decided by the Ministry of Power.

However, the beneficiaries of Eastern Region namely Bihar and Sikkim are irregular in making payment to PTC. It is to mention that since these are cross border transactions involving Royal Government of Bhutan and Government of India, PTC is making regular payments to the generating company namely Druk Green Power Corporation Limited irrespective of receipt of payments from the Procurer(s). For this purpose, PTC has to mobilise additional resources for the working capital mismatch and continued delays are causing liquidity crunch to PTC.

As on 31st Aug, 2021, the following payments are outstanding:

s. No.	Name of the State Utility/ Discom	Energy Outstanding dues for power supply from Chukha HEP	Energy Outstanding dues for power supply from Tala HEP	Energy Outstanding dues for power supply from Mangdechhu HEP	Total
	NBPDCL (Bihar)	Rs 29.30 Cr. (Outstanding since May 2021)	Rs 35.64 Cr. (Outstanding since June 2021)	Rs 110.43 Cr. (Outstanding since May 2021)	Rs 175.37 Cr.
2.	SBPDCL (Bihar)	Rs 37.91 Cr. (Outstanding since May 2021)	Rs 50.54 Cr. (Outstanding since May 2021)	Rs 138.69 Cr. (Outstanding since Apr 2021)	Rs 227.14 Cr

3.	Energy and Power Department of Sikkim (Sikkim)	Rs 16.94 Cr. (Outstanding since Nov 2019)			Rs 16.94 Cr.
	Total	Rs 84.15 Cr.	Rs 86.18 Cr.	Rs 249.12 Cr.	

The agreements for sale of power by PTC to utilities provide for reallocation of power if the bills remain unpaid for 7 days in case of Chukha and Tala HEP and 30 days in case of Mangdechhu HEP. Excerpts from the agreements are as below:

- Chukha HEP: As per clause 8.7 of the agreement, "If any bill remains unpaid for a period exceeding 7(seven) days from the date of presentation of bill, Member Secretary, EREB may reallocate the share of power of such Bulk Power Customer(s) if so advised by PTC. "
- Tala HEP: As per clause 7.2 of this agreement, "If any bill remains unpaid for a period exceeding 7(seven) days from the date of presentation of bill, Member Secretary, ERPC may reallocate the share of power of such Bulk Power Customer(s) if so advised by PTC. "
- Mangdechhu HEP: As per clause No. 7.2 of this agreement, "If any bill remains unpaid for a period exceeding 30(thiây) days from the date of presentation of bill, Member Secretary, ERPC may reallocate the share of power of such Bulk Power Customer(s) if so advised by PTC".

Agreements between PTC and beneficiaries for Chukha HEP, Tala HEP and Mangdechhu HEP have provisions to open Letter of Credits (LCS) for the transactions and reallocation of power in case beneficiaries fail to do so.

Chukha HEP: As per Article 8.6 of the Agreement: "In the event of failure to establish LC within 1 (one) month after the signing of this agreement, or issue of Govt. of India order assigning trading for Chukha power to PTC, whichever is later, Member Secretary, EREB may reallocate share of the defaulting state to some other state if so advised by PTC. "

Mangdechhu HEP: As per Article 6.6 of the Agreement: "In the event of failure to establish LC within 2 (two) weeks after the signing of this agreement, Member Secretary, ERPC may reallocate share of the defaulting state to some other state as may be advised by PTC. "

Though NBDCL and SBPDCL have provided LC information for Chukha HEP and Tala HEP, however, these are not operative as PTC has not received copy of the LCS. Also, the LCS are of insufficient value. NBDCL and SBPDCL have not provided LC for Mangdechhu HEP. Energy and Power Department of Sikkim has not provided LC for Chukha HEP.

In view of above, it is requested ERPC may advice NBDCL, SBPDCL and Energy and Power Department of Sikkim to liquidate the outstanding, make regular payments and open LCS as per the agreements or else PTC will be left with no other option but to request ERPC for reallocation of power as per the provisions of the agreements dated 21.08.2002, 27.09.2006 and 30.08.2019 respectively."

NBPDCL, SBPDCL & Sikkim may update their action plan to liquidate the outstanding dues.

TCC may discuss.

Deliberation in the 44th TCC meeting:

PTC representative informed that they had received substantial amount on 28.09.2021 and rest would be liquated shortly as assured by Bihar. PTC also requested Bihar to open the LC in respect of Tala, Chukka & Mangdechhu HEP energy.

PTC representative also informed that Sikkim had not paid any dues since Nov'2019.

Bihar representative informed that they are in the process of revalidating the LC and it would be done shortly.

SIKKIM representative informed that they are already pursuing with Govt. of Sikkim for necessary budgetary support for liquidation of outstanding dues. Sikkim further informed that they will start liquidating the outstanding dues from next month onwards and the entire outstanding dues shall be cleared by December'2021.

ITEM NO. C10:	Scheduling of Chuzachen HEP and Tashiding HEP
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Scheduling of Chuzachen HEP and Tashiding HEP is carried out by ERLDC, as per Indian Electricity Grid Code Clause 6.4.3. The clause 6.4.3 states

Quote...

“There may be exceptions with respect to above provisions, for reasons of operational expediency, subject to approval of CERC. Irrespective of the control area the jurisdiction, if a generating station is connected both to the ISTS and the STU, the load dispatch centre of the control area under whose jurisdiction the generating station falls, shall take into account grid security implication in the control area of the other load dispatch centre. ”

...Unquote

Presently for net injection of Chuzachen, Gangtok(PG) and Rangpo(PG) end meter is used and for Tashiding net injection , New Melli(PG) and Rangpo(PG) end meter is being used.

In 135th OCC it was decided that related issues of control area jurisdiction, scheduling, etc may be discussed in a separate meeting. A meeting was also held in this regard with ERPC and ERLDC on 04.09.2017.

In 36th TCC, Sikkim agreed to issue the NoC for scheduling of Tashiding HEP by ERLDC. It was also decided in the 36th TCC/ERPC meeting that Tashiding would approach CERC and obtain the approval from Hon'ble commission regarding the scheduling of Tashiding HEP by ERLDC. Tashiding HEP and Chuzachen HEP are yet to approach CERC for the said approval.

In 37th CCM, the followings were decided:

i) The metering points for Chuzachen and Tashiding HEPs would be at CTU end.

ii) As Chuzachen and Tashiding HEPs are embedded generators of Sikkim, both need to seek approval from CERC regarding scheduling by ERLDC.

38th TCC further advised Chuzachen and Tashiding HEP to file petition with CERC for obtaining NOC for scheduling of generation by ERLDC. The accounting of power shall conform to the methodology listed in the agenda.

In 44th CCM, Chuzachen representative informed that they are under the process of filing the petition with CERC and the same will be done by 17th July 2021. Further, he added that due to Covid-19 pandemic and nationwide lockdown they could not file the petition on time.

Tashiding representative informed that they would also file the petition with CERC by 14th July 2021. The Committee expressed serious concern over the issue and advised Chuzachen and Tashiding to intimate ERPC and ERLDC after filing the petition. It was also decided to place this agenda in the forthcoming TCC meeting.

Tashiding & Chuzachen may please update the latest Status.

TCC may discuss.

Deliberation in the 44th TCC meeting:

Tashiding and Chuzachen representatives informed that they had filed their respective petitions before CERC on 23.07.2021 & 16.07.2021 respectively.

ITEM NO. C11:	Nomination of Settlement Nodal Agency for Cross Border Transactions
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NVVN has been nominated as Settlement Nodal Agency (SNA) vide MoP order dated 26th Nov-2019 as per the clause 8.8 of the guide lines for Import/Export (Cross Border) of Electricity 2018.

It is primarily for settlement of Grid operation related charges with neighboring countries like Bangladesh, Nepal, Bhutan and Myanmar. However, the functions of Nodal agency and modalities of settlements has not yet been finalized.

In 42nd CCM, NVVN representative was present in the meeting. He drew the attention of the members in the meeting regarding the order issued by MoP, GoI wherein NVVN has been designated as Settlement Nodal Agency for import and export(Cross Border) of power. In this connection he informed that NVVN is already a nodal agency as far as Bangladesh and Nepal transactions are concerned. Further, in case of Bhutan, the hydro stations like Tala, Chukha, and Kurichhu & Mangdechhu do not come under DSM regulations. However, Dagachhu HEP is included within the ambit of DSM with TPTCL acting as the nodal agency.

Based on the MoP order, NVVN proposed to become the nodal agency for Dagachhu transactions w.e.f. 01.04.2020 and take up the scheduling and accounting responsibility w.r.t. Dagachhu HEP.

The proposal of NVVN was discussed in the 42nd Commercial sub-Committee meeting. Commercial Sub-Committee advised NVVN to enter into necessary agreement with TPTCL to take over all the responsibilities of nodal agency from TPTCL for Dagachhu HEP transactions. NVVN was also advised to complete the necessary registration process with ERLDC (POSOCO). After this, all matters pertaining to scheduling, payment & settlement shall be taken care of by NVVN. It was decided to place this agenda in forthcoming TCC meeting for further approval.

However, on request of NVVN-SNA-Bhutan, ERLDC has registered them and issued acceptance letter on 13.05.2020.

As per the decision taken in 43rd CCM, MS, ERPC wrote a letter dated 07.10.2020 to NVVN for updating the status of agreement with TPTCL to ERPC secretariat.

NVVN vide letter dated 10.03.2021 to TPTCL has sought confirmation for execution of revised SNA Agreement.

In 43rd TCC/ERPC, NVVN informed that they had received a letter from CEA, wherein CEA enquired about the status of revised SNA agreement from NVVN.

TCC opined that CEA is the designated authority for cross border power transactions and the matter is already being dealt with by CEA. Therefore, it would be appropriate for NVVN to approach CEA for resolution of the issue.

In 44th CCM, NVVN representative informed that the matter was already taken up with CEA. As advised by CEA, NVVN is in the process of signing SNA agreement with TPTCL for Dagachhu HEP transactions.

Further, it was informed by NVVN, they have written a letter to Bhutan and TPTCL and reply from them is awaited in this regard. CCM advised NVVN to update any progress in this regard to ERPC and ERLDC.

NVVN & TPTCL may update the status.

Deliberation in the 44th TCC meeting:

NVVN representative informed that they have not received any reply from Bhutan or TPTCL.

ITEM NO. C12:	Draft CERC (DSM & Related matters) Regulations'2021
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Draft DSM Regulation, 2021 was circulated by Honorable CERC on 08th Sept, 2021 for wider publication and stakeholder's comments by 08th October'2021 for implementation in panIndia. The provisions of this regulation are completely changed from the existing DSM mechanism in place.

ERPC Secretariat shall give a brief presentation on the various provisions of the draft DSM Regaultion'2021.

Deliberation in the 44th TCC meeting:

ERPC secretariat gave a brief presentation on Draft DSM Regaultion '2021.

TCC advised ER constituents to submit their comments on draft regulation to CERC.

ITEM NO. C13:	Payment/receipt status from various pool accounts in ER
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1) Payment of Deviation Charge – present status

Deviation Pool Account Fund of ER is being maintained & operated by ERLDC, in accordance with the CERC Regulations. As per Regulations 10 (1) of “Deviation Settlement Mechanism and related matters” the payment of charges for Deviation shall have a high priority and the concerned constituents shall pay the indicated amounts within 10 days of issue of statement of Charges for Deviation including Additional Charges for Deviation by the Secretariat of the respective Regional Power Committee in to the “Regional Deviation Pool Account Fund” of the concern region.

The current principal outstanding Deviation Charge of BSPHCL, JUVNL and SIKKIM is ₹ 218.84 Cr, ₹ 35.81 Cr, & ₹ 4.48 Cr respectively considering bill up to 05.09.2021. ERLDC is regularly giving reminders to BSPHCL, JUVNL & SIKKIM and others defaulting entity to liquidate the outstanding Deviation charges.

In 44th CCM, Bihar representative informed that due to Covid Pandemic they were facing severe financial crisis. He informed that the outstanding charges would be liquidated by September 2021. JUVNL informed that they would liquidate the charges by the end of July 2021.

The CCM Committee advised the respective constituents to liquidate the dues at the earliest.

BSPHCL, JUVNL, & SIKKIM may confirm the program for payment of outstanding dues.

Deliberation in the 44th TCC meeting:

Bihar representative informed that due to acute financial crisis and technical issues, they could not follow the payment schedule.

Bihar further informed that they had liquidated Rs. 50 crore as on 29.09.2021 and the rest amount would be cleared by December'2021.

SLDC, Bihar representative requested for waiver of Additional Deviation charge due to sign change violation in DSM statement issued for the period 12.04.2021 to 25.04.2021 attributed to huge over drawl during second wave of covid Pandemic.

ERPC secretariat informed that as per the prevailing CERC DSM regulation there is no provision for addressing this issue.

TCC advised that ERPC secretariat may flag this issue in the upcoming “CERC meeting with RPCs” scheduled to be held on 07.10.2021.

Jharkhand representative informed that the payments have been delayed due to Covid-19 pandemic and they would liquidate the outstanding dues within a month.

Sikkim representative informed that they would liquidate the outstanding dues from next month onwards and by December’2021 the entire outstanding dues shall be cleared.

TCC advised the defaulting constituents to clear the outstanding dues at the earliest.

2) Interest due to delayed payment of deviation charges/RRAS

a) Due to delayed payment of deviation charges in DSM Pool interest was computed for all the DSM Pool Members. DVC, Jorethang, GMR, KBUNL, NVVN-Bangladesh, PGCIL (HVDC Alipurduar), OPGC (Gridco), PGCIL (HVDC Sasaram) are requested to clear the dues.

b) CERC has approved detailed procedure for Ancillary Services Operations vide ref no.: 1/10/2012- Reg. Aff.(REC-Gen.)/CERC dtd 21st November, 2016. As per para 13.9 & 13.10 of detailed procedure Interest for delay payment for RRAS Providers has been calculated upto 31st March, 2021. An amount of ₹ 11.70764 lacs was payable towards RRAS interest upto 31.03.2021 and the same has been disbursed to the constituents on 16.06.2021.

44th CCM advised all the constituents to liquidate the payment at the earliest.

Constituents, who are in payable mode, may please confirm the program for payment of Interest.

Deliberation in the 44th TCC meeting:

TCC advised the defaulting constituents to clear the outstanding dues at the earliest.

3) Reactive Energy Charges – Present Status.

As per decision taken in 43rd TCC/ERPC the methodology of Reactive energy billing has been revised and is implemented w.e.f. 05.04.2021 and bills are being issued to recipient states as well.. The total outstanding receivable on account of Reactive charges from JUVNL is **₹2.80 Cr.** WBSETCL, DVC and GRIDCO are regularly paying the reactive charges. Sikkim and BSPHCL has cleared its long pending reactive charge outstanding.

In 44th CCM, Jharkhand informed that the Reactive Energy Charges shall be paid within a week.

JUVNL may confirm the program for payment of outstanding dues.

Deliberation in the 44th TCC meeting:

JUVNL representative informed that the outstanding dues would be cleared within two weeks.

ITEM NO. C14:	Opening of LC by ER constituents for DSM payments
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Clause 10 (4) of CERC Deviation Settlement Mechanism and related matters Regulations, 2014 vide notification No. L-1/132/2013/CERC dated 6th January, 2014 to be implemented from 17.02.2014 is reproduced below:

Quote

All regional entities which had at any time during the previous financial year failed to make payment of Charges for Deviation including Additional Deviation Charges for Deviation within the time specified in this regulations shall be required to open a Letter of Credit (LC) equal to 110% of its average payable weekly liability for Deviations in the previous financial year, in favour of the concerned RLDC within a fortnight from the date these Regulations come into force.....

.....Provided further that LC amount shall be increased to 110% of the payable weekly liability in any week during the year, if it exceeds the previous LC amount by more than 50%.

Unquote

Letters to this effect has been issued by ERLDC to the defaulting entities.

At present there is no valid LC i.r.o BSPHCL, JUVNL, DVC, GRIDCO, WEST BENGAL SIKKIM,NVVN Bangladesh, TPTCL, POWERGRID(ER-I & ER-II), JITPL, KBUNL, JLHEP and TASHIDING. Dikchu has opened LC but original document yet to be received from the bank.

In 43rd TCC, GRIDCO had informed that they would open the LC in due course. BSPHCL was also informed by ERLDC to open LC in favour of DSM Pool A/C in SBI instead of Axis Bank. However LC is not opened till now. TCC advised all the concerned constituents to open requisite LC at the earliest.

Further 44th Commercial Sub-Committee advised all the constituents to open the requisite LC in time.

Opening of LC is the regulatory requirement as per provision of CERC DSM regulations for defaulting members. Defaulting members may please intimate the latest status of opening of LC.

TCC may guide.

Deliberation in the 44th TCC meeting:

TCC advised all the constituents to open the requisite LC as per the provision of CERC DSM regulation.

ITEM NO. C15:	Default in payment of outstanding dues by beneficiaries
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C15.1 The total outstanding dues of ER beneficiaries towards POWERGRID portion as on 17.09.2021 are detailed below. Please note that these figures include both PoC as well as non-PoC outstanding amounts.

Rs. in Crores.

Sl No.	DIC	Total dues	>45 Days dues
1	SOUTH BIHAR (SBPDCL)	246.67	180.54
2	NORTH BIHAR (NBPDCCL)	221.06	163.14
3	JHARKHAND	67.13	45.53
4	BANGLADESH	28.18	12.83
5	SIKKIM	14.25	11.31
6	DVC	9.73	0.11
7	WEST BENGAL	83.27	0.00
8	DANS ENERGY	1.08	0.00
9	ECR	2.25	0.00
10	SER	0.24	0.00
11	SHIGA ENERGY	1.21	0.00
12	JUSNL *	11.96	11.96
13	OPTCL *	55.24	55.24
14	ODISHA	19.79	19.79
15	OPGC *	18.91	18.91
16	TEESTA URJA LIMITED *	8.50	8.50
17	TEESTA VALLEY *	5.75	5.75
18	ENICL*	0.53	0.53
	Total	795.75	534.14

* Non PoC only

DICs may update.

Deliberation in the 44th TCC meeting:

TCC advised all the defaulting beneficiaries to liquidate the outstanding dues at the earliest.

C15.2 Opening of Letter of Credit

The following beneficiaries have to open/enhance LC as listed below:

(Rs in Crores)		
DIC Name	LC Required	LC Available
East Central Railways-BRBCL	42.48	0.00
GRIDCO	59.29	0.00
South Eastern Railway_RGPPL	4.89	0.00
SOUTH BIHAR	72.91	15.27
NORTH BIHAR	62.11	9.73
JHARKHAND	14.66	11.52
SIKKIM	3.97	2.92

LC required values indicated above is as per CERC Sharing Regulation 2020 which came into effect w.e.f 01.11.2020. As per the Sharing Regulation 2020, generator billing shifted to DISCOMs for the tied-up portion. Opening/Enhancement of LCs is being continuously pursued with the DICs.

The beneficiaries may renew LC for the requisite amount in favor of CTUIL.

DICs may update.

Deliberation in the 44th TCC meeting:

TCC advised all the above constituents to renew the requisite LC amount at the earliest.

ERPC noted.

ITEM NO. C16:	Additional Agenda
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C16.1 RTA for the period from 15.11.2014 to 07.03.2016 issued vide ERPC letter No. ERPC/COM-I/REA/2018/3780-3798 dated 11/12.01.2018

Revised RTA for the period from 15.11.2014 to 07.03.2016 has been issued by ERPC in view of the Hon'ble CERC order dated 20.09.2016 in Pet. No. I 30/MP/2015 along with I.A. No. 67/2017 where Hon'ble Commission has set aside the COD of 15.11.2014 as declared by NTPC in respect of unit-IV of Barh Super Thermal Power Station Stage-II (660 MW) and has fixed 08.03.2016 as the revised date of COD of Unit-IV NTPC Barh- II.

From the said revised RTA, it is observed that the amount for transmission charges to be refunded to Bihar for the respective months/period do not match with the transmission charges mentioned in

the original monthly RTA issued by ERPC considering 15.11.2014 as the COD of Unit-IV of NTPC Barh-II. Due to this mismatch, differential amount for the transmission charges is to be refunded in addition to the revised RTA to Bihar Discoms on account which may be due to the following points observed from the Revised RTA.

1. Withdrawal charge is not considered to calculate refundable Transmission charges to Bihar from the month of November-14 to April-15 and only injection charge is considered for the same.
2. Latest revision of RTA and POC slab rate approved by Hon'ble CERC applicable for the month of May-15, June-15, Jan-16, Feb-16 and March-16 has not been considered.

BSPHCL may explain.

Deliberation in the 44th TCC meeting:

ERPC secretariat representative informed that the necessary RTA accounts would be checked and revised accordingly within 15 days.

C16.2 Unintentional overdrawal caused to West Bengal on 15.09.21 and 16.09.2021

WBSEDCL vide letter dated 27.09.2021 submitted the following:

Agenda :

At 11.00Hrs of 16.09.2021 WBSEDCL has come to know that on 15.09.2021 at around 12.00Hrs the Jeerat - Midnapore 765KV line was charged by Power Grid & started power flow towards West Bengal through Jeerat(PG) - Jeerat (WBSETCL) 400KV double circuits . After exploring the SCADA data history , it was then noticed that since charging of the said tie lines , West Bengal has been drawing around 150MW (75MW/Ckt.) from Jeerat(PG) & the same is not reflecting in the total drawl of West Bengal from ISTS . Upon enquiry , it was further come to the surface that the said lines were charged without integrating the data of the same in the drawl summation figure of West Bengal based on which real time balancing operation in compliance with prevailing DSM Regulation has already been done by the West Bengal Grid members . At around 13.00hrs. of 16.09.2021 the new tie line data was incorporated in the total drawl figure of West Bengal . Hence, for last 25Hrs. there was an unintentional over drawl of West Bengal from grid & the huge DSM burden on account of such over drawl with sign change violation will be impacted mainly on WBSEDCL. as WBSEDCL is the only DIC Discom of the state. In backdrop of above the additional DSM burden for which WBSEDCL is not at all responsible , should be waived from West Bengal DSM account for the interest of end consumers of the state.

Members may discuss.

Deliberation in the 44th TCC meeting:

ERPC Secretariat informed that the issue was already discussed in 183rd OCC meeting held on 20.09.2021 wherein it was deliberated in detail. OCC opined that the DSM charges including the additional DSM charges are being levied as per the CERC Regulations. Under the prevalent CERC

Regulations, there is no provision for waiver off of DSM charges under such circumstances. OCC advised ERPC Secretariat to place the issue in upcoming “CERC Meeting with RPCs” scheduled to be held on 07.10.2021.

After detailed deliberation, TCC agreed with the decision taken in the OCC Meeting and decided to flag the issue in upcoming CERC meeting scheduled to be held on 07.10.2021.

Meeting ended with vote of thanks to the Chair.

LIST OF PARTICIPANTS FOR 44TH ERPC ON 30.09.21 AT THE VEDIC VILLAGE, KOLKATA					
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5	Rajdeep Bhattacharjee	Resident Engineer	BSPHCL	9477345084	
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26	Vidya Sagar Singh	GM,SLDC	JUSNL	9934169984	sagarjseb@gmail.com
27	Santanu Sarkar	Chief Engineer(PTP)	WBSEDCL	8900793210	ceptp.wbsetcl@gmail.com
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30	A. K. Pandey	Director (R & T)	WBSEDCL		
31	Sabyasachi Roy	Director (OP)	WBSETCL		
32	Sri Sukanta Biswas	CE-CPD	WBSETCL		
33	Sri Dilip Das	CE-CTD	WBSETCL		
34	Chinmay Kumar Halder	CE-SLDC	WBSETCL		

35	Krishnendu Chakraborty	GM (OS)	WBPDC	8336903962	
36	Arup Sarkar	Member(finance)	DVC		
37	M. C. Rakshit	ED(Commercial)	DVC	9831783054	
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40	Ashish Lamichaney	Assistant Engineer(Transmission)	Power Department, Sikkim	9615878284	alamichaney@gmail.com
41	D.K. Jain	Executive Director, ERLDC	ERLDC		
42	G. Mitra	CGM (PP)	ERLDC		
43	R. Sutradhar	CGM	ERLDC		
44	S. Konar	GM (SO)	ERLDC		
45	D. Biswas	DGM	ERLDC		
46	N. Ahmed	DGM	ERLDC		
47	S. Sahay	CM	ERLDC		
48	N. S. Mondal	Member Secretary	ERPC		
49	S. Kejriwal	Superintending Engineer	ERPC		
50	D. K. Bauri	Superintending Engineer	ERPC		
51	S. Roy	Superintending Engineer	ERPC		
52	A. De	Executive Engineer	ERPC		

53	P.P. Jena	Executive Engineer	ERPC		
54	S. Sarvesh	Assistant Executive Engineer	ERPC		
55	S. K. Pradhan	Assistant Executive Engineer	ERPC		
56	S.R. Swain	Assistant Engineer	ERPC		
57	K. Satyam	Assistant Engineer	ERPC		
58	S. M. Jha	Consultant	ERPC		
59	Anjali Lal	JTO	ERPC		
60	A. Basu	Assistant Executive Engineer	BSPTCL		
61	A Barat	ED	PGCIL, ER-II		
62	D. K. Javeri	CGM	PGCIL, ER-II		
63	H. K. Ghosh	LO	GRIDCO		
64	A K Gupta	GM	Coal India Ltd.		

List of Participants who joined through online mode

Sl No.	Full Name	Join Time	Email
1	ERPC Kolkata	9/30/2021, 10:54:01 AM	ERPC@KolkataMST.onmicrosoft.com
2	Secretary Energy, Bihar	9/30/2021, 11:28:32 AM	cmd@nbpdc.co.in
3	Kapil Thapar CESC Limited (Guest)	9/30/2021, 10:54:10 AM	
4	Conference ROOM NBPDC	9/30/2021, 10:54:10 AM	vc.nb@nbpdc.co.in
5	SMS SAHOO,DGM,OPTCL,BHUBANESWAR (Guest)	9/30/2021, 10:54:10 AM	
6	Pradeep Mahapatra	9/30/2021, 10:54:11 AM	pradeep.mahapatra@opgc.co.in
7	Seema Gupta, Director(Operation), Powergrid	9/30/2021, 10:54:11 AM	seema@pgcil.onmicrosoft.com
8	SLDC-ODISHA (Guest)	9/30/2021, 10:54:11 AM	
9	M Q Huda, CGM,POWERGRID (Guest)	9/30/2021, 10:54:12 AM	
10	S K Maharana GRIDCO (Guest)	9/30/2021, 10:54:12 AM	
11	POWERGRID, CC (Guest)	9/30/2021, 10:54:12 AM	
12	Tashi Dorji (Guest)	9/30/2021, 10:54:13 AM	
13	M S Rao (PGCIL) (Guest)	9/30/2021, 10:55:16 AM	
14	Amaresh Mallick, ERLDC (Guest)	9/30/2021, 10:57:58 AM	
15	Vanrajsinh Dodia	9/30/2021, 10:59:02 AM	Vanrajsinh.Dodia@sekura.in
16	kinley jamtsho(Guest)	9/30/2021, 10:59:02 AM	
17	Sunil Kumar Sharma	9/30/2021, 11:00:14 AM	SKSHARMA06@NTPC.CO.IN
18	CESC (MD Generation) (Guest)	9/30/2021, 11:01:25 AM	
19	DN SARANGI (Guest)	9/30/2021, 11:01:58 AM	
20	ESE COMMERCIAL nbpdcl(Guest)	9/30/2021, 11:02:43 AM	
21	Gangadharan (Guest)	9/30/2021, 11:03:36 AM	
22	Nishant Shankwar	9/30/2021, 11:05:23 AM	Nishant.Kumar@SEKURA.IN
23	OHPC A K MOHANTY (Guest)	9/30/2021, 11:05:44 AM	
24	Praveen. Saxena	9/30/2021, 11:09:07 AM	PRAVEENSAXENA@NTPC.CO.IN
25	Arunava Sen Gupta (Guest)	9/30/2021, 11:09:07 AM	
26	Aayush Kumar Adarsh (00002106369)	9/30/2021, 11:11:56 AM	00002106369@aakashicampus.com
27	N. Hoda ESE TVNL (Guest)	9/30/2021, 11:13:42 AM	
28	Ganesh Korada	9/30/2021, 11:13:59 AM	ganesh.korada@opgc.co.in
29	Manoj Kumar Das GRIDCO (Guest)	9/30/2021, 11:16:07 AM	
30	Kurshna samntray	9/30/2021, 11:16:11 AM	krushna.samantray@opgc.co.in
31	ARUN KUMAR SINHA (Guest)	9/30/2021, 11:19:18 AM	
32	TVNL (Ashish Kr Sharma) (Guest)	9/30/2021, 11:21:11 AM	
33	PMC BSPHCL (Guest)	9/30/2021, 11:23:57 AM	
34	V K SINHA, NHPC (Guest)	9/30/2021, 11:24:38 AM	
35	vijay (Guest)	9/30/2021, 11:26:21 AM	
36	Rahul Anand	9/30/2021, 11:27:51 AM	RAHULANAND@NTPC.CO.IN
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38	SHANKAR SARAN	9/30/2021, 11:30:35 AM	SHANKARSARAN@NTPC.CO.IN
39	Anurag Gupta	9/30/2021, 11:43:00 AM	ANURAGGUPTA@NTPC.CO.IN
40	Director Project Bsptcl (Guest)	9/30/2021, 11:45:52 AM	
41	KR PRASANT,CE STU BSPTCL,Guest)" (Guest)	9/30/2021, 11:50:58 AM	
42	Karma Phuntsho	9/30/2021, 11:56:39 AM	
43	HEL (Guest)	9/30/2021, 11:57:19 AM	
44	Neeraj Kumar Verma	9/30/2021, 12:00:53 PM	Neeraj.Verma@SEKURA.IN
45	V.Srinivas, POWERGRID (Guest)	9/30/2021, 12:05:12 PM	
46	AMIT ARORA	9/30/2021, 12:11:57 PM	AMITARORA@NTPC.CO.IN
47	Manas Das,ERLDC (Guest)	9/30/2021, 12:38:35 PM	
48	ESE COMMERCIAL nbpdcl(Guest)	9/30/2021, 12:45:54 PM	
49	GM(Commercial) JBVNL (Guest)	9/30/2021, 1:12:34 PM	
50	Saugato Mondal , ERLDc" (Guest)	9/30/2021, 1:15:27 PM	
51	ER1 -1	9/30/2021, 1:37:05 PM	er1-1@pgcil.onmicrosoft.com