



Agenda

for

46th ERPC Meeting

of

EASTERN REGIONAL POWER COMMITTEE

Date: 06th August'2022

Time: 14:00 Hrs

Mayfair Tea Resort, Siliguri

EASTERN REGIONAL POWER COMMITTEE

AGENDA FOR THE 46TH MEETING OF EASTERN REGIONAL POWER COMMITTEE

Date: 06.08.2022

Place: Mayfair Tea Resort, Siliguri

PART-A: CONFIRMATION OF MINUTES

ITEM NO. A: Confirmation of the Minutes of 45th ERPC Meeting

The minutes of the 45th ERPC meeting held on 26.03.2022 at Rajgir, Bihar were issued and uploaded on ERPC website (www.erpc.gov.in) vide ref. no. ERPC/TCC_ERPC_Committee/2022/71 dated 11.04.2022. Subsequently a corrigendum vide letter dated 08.06.2022 was issued.

Members may confirm the minutes of 45th ERPC Meeting.

PART-B: ITEMS FOR DISCUSSION

ITEM NO B. 1: Issues referred to ERPC by TCC in its 46th meeting held on 05.08.2022

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

B1.1. Extension of SCADA/EMS AMC Contract from 2023 to 2025 as per same rate and same terms & conditions.

Existing AMC contract for SCADA/EMS System of ERLDC and Eastern Region Constituents is going to end on 31st March 2023. Upgradation package of existing SCADA/EMS System is in Pre-NIT Stage & it is expected to take another 2-3 years to complete the Upgradation process. Therefore, extension of existing AMC contract with M/s Chemtrols is required for continuation of the existing contract. It is proposed to extend the present contract till March 2025 with the same rate & terms as per the Clause No .X of the LOA so that Grid Operation doesn't get affected.

In the special meeting held on 14.06.2022 at ERPC, Kolkata M/s Chemtrols was advised to provide cost estimation for the following:

- a) Cost estimate for maintenance of RTUs.
- b) Cost estimate for extension of contract to be done at a revised incremented cost for all control centres including RTU maintenance.

M/s Chemtrols vide letter UEX130005/SBU5/ERPC/001/2022 dated July 6, 2022 had submitted two offers. In this regard another Special Meeting was convened at ERPC, Kolkata on 14.07.2022.

M/S Chemtrols representative gave a brief presentation on the proposed offers. He informed that as per deliberation in last special meeting, according to first offer, the extension of contract may be done at same rate and conditions and as RTU maintenance was not included in the scope of work of original contract, separate contract for maintenance RTUs would be signed. If constituents agree with the cost details provided (**Annexure-B5**, option 1), separate contract will be signed with constituents for RTU maintenance and old contract would be extended at same rate and conditions. He further added that according to second offer, extension of contract may be done at a revised incremented cost for all control centres including RTU maintenance (**Annexure-B5**, option 2). If constituents agree with the proposal, contract will be signed.

Bihar representative submitted that as per the existing contract it is clearly mentioned that constituents may extend contract for additional 2 years with same rate and conditions. Besides, the RTU maintenance is a part and parcel of the contract and nowhere in the contract it is mentioned that RTU maintenance will not be covered in scope of the contract. So, the 1st offer is not acceptable by them.

Further the utilities were of the view that cost estimate of the 2nd offer, provided by M/S Chemtrols, is very high. So, the offer is not acceptable by them.

SE, ERPC submitted that as per deliberation in last special meeting, for the 2nd offer, it was advised to provide incremented cost for all control centres including RTU maintenance. However, as per the details provided by M/S Chemtrols, cost for control centres and RTU maintenance are given separately, so it is not possible for constituents to go with second offer. He further requested M/S Chemtrols to provide an offer that gives overall incremented cost for all control centres including RTU maintenance.

Keeping in mind about the actual materials & maintenance cost due to Covid, high demand of electronic components, decreased production rate and recent global geo-political situations, M/S Chemtrols provided a fresh proposal with an incremented cost for maintenance of all control centres including RTU maintenance. Constituent wise yearly AMC Price Breakup for the extended period as submitted by M/S Chemtrols is as follows:

Sl. No.	Constituents	Yearly Existing AMC basic Price (INR)	Proposed Increment @35%(INR)	Final Proposed Yearly Extended AMC basic Price (INR)
1	POSO CO (MCC)	8,09,608	2,83,363	10,92,971
2	POSO CO (BCC)	8,09,608	2,83,363	10,92,971
3	WBSETCL(MCC)	9,10,112	3,18,539	12,28,651
4	WBSETCL(BCC)	9,10,112	3,18,539	12,28,651
5	DVC (MCC)	9,33,852	3,26,848	12,60,700
6	DVC (BCC)	9,33,852	3,26,848	12,60,700
7	BSPTCL (MCC)	9,33,852	3,26,848	12,60,700
8	JUSNL (MCC)	9,33,852	3,26,848	12,60,700
9	Sikkim (MCC)	9,33,852	3,26,848	12,60,700

The above AMC price is exclusive of GST and Labour Index. Calculation of labour index shall be considered as per the existing Contract Agreement. In case there is any revision in the calculation of the labor index then the 35% increase shall be calculated on the value of the last quarter contract value including the labor index before the extension is issued.

M/S Chemtrols requested the constituents to reduce the bank guarantee to 3% value (as per Govt. norms) against AMC cost only for the extended contract at the time of extension of the Contract. M/s Chemtrols was advised to take up this matter separately with concerned utilities.

M/S Chemtrols representative requested the concerned constituents to release the 10% amount of total cost that was withheld by the constituents at time of commencement of the contract. It was further deliberated that concerned utilities may release 5 % amount of total cost withheld by them against bank guarantee of same cost to be provided by M/S Chemtrols. M/s Chemtrols was advised to take up this matter separately with concerned utilities.

TCC may discuss and approve.

Deliberation in the 46th TCC meeting:

TCC concurred and referred it to ERPC for final approval.

ERPC may approve.

B1.2. Augmentation of Transformation Capacity at Subhasgram (Powergrid) Odisha.

1. Presently, there are 4x315MVA + 1x500MVA ICTs at Subhasgram S/s. 2x315MVA + 1x500MVA are under ISTS and 2x315MVA have been installed by CESC.
2. With growth in demand in and around Kolkata area necessity of augmentation of transformation capacity at Subhasgram (POWERGRID) is required on urgent basis.
3. The matter was deliberated in the 7th & 8th CMETS-ER held on 31-05-2022 & 30-06-2022 respectively, wherein it was decided that augmentation of transformation capacity at Subhasgram S/s will be finalized after assessing the power drawl by CESC and WBSETCL in last one year.
4. ERLDC vide email dated 12-07-2022 has shared the ICTs loading details at Subhasgram S/s. Major highlights of the details shared by ELRDC is given below:
 - In the present summer season (Apr-June 2022), N-1 reliability rating has been violated in 400/220kV Subhasgram (POWERGRID) ICTs on many occasions.
 - The highest loading of about 1540MW was observed on 28th April 2022 to meet the demand of both by CESC and WBSEDCL.
 - CESC maximum drawl was 803.17 MW on 28-04-2022 3:42 PM
 - WBSEDCL maximum drawl was 804.76 MW on 28-04-2022 11:25 PM

- The N-1 of CESC ICTs have been violated for about 74% of the time to meet its load.
 - The N-1 of ISTS ICTs have been violated for about 11% of the time to meet WBSEDCL load.
5. The matter was discussed in the 9th CMETS-ER held on 29-07-2022 wherein it emerged that keeping in view the loading on existing ICTs not meeting the reliability criteria as detailed at para 4 above, there is an urgent requirement for installation of 6th 400/220kV, 500MVA ICT at Subhasgram (POWERGRID) S/s. All the stakeholders including CESC and WBSETCL agreed for installation of new ICT (6th) on technical grounds. Accordingly, the following scope of works was proposed under ISTS under the Eastern Region Expansion Scheme-XXXII (ERES-XXXII) within 18 months from date of allocation:
- Installation of 400/220kV, 500MVA ICT (6th) along with associated ICT bays at both levels at Subhasgram (POWERGRID) S/s.
6. ERLDC also emphasised regarding the urgent need for augmentation of transformation capacity at Subhasgram S/s. It was mentioned that major power demand of capital city of Kolkata is met from Subhasgram S/s, and any major overloading could result into cascaded tripping of ICTs, leading to major blackout in the area.
7. WBSETCL mentioned that since major over drawl at Subhasgram is by CESC, the 6th ICT may be installed at cost of CESC. CESC mentioned that as both CESC (74% of the time) and WBSEDCL/WBSETCL (11% of the time) drawl are not N-1 compliant, the cost of ICT in ISTS may be shared by both utilities. Accordingly, on commercial grounds the ERES-XXXII scheme could not be finalised in the 9th CMETS-NER.
8. To resolve the commercial issues, it was suggested the matter may be discussed in the forthcoming 46th meeting of ERPC. Thus, following is suggested for deliberation:
- **ICT to be installed in ISTS:** WBSETCL to bear the ISTS transmission charges (CESC is not a DIC) of the new 6th 400/220kV, 500MVA ICT at Subhasgram (POWERGRID) substation as per the prevailing CERC Sharing Regulation 2020, on similar lines as the tariff of existing 2x315MVA + 1x500MVA ICTs are being recovered. Further, WBSETCL and CESC may enter into a separate agreement for sharing of ISTS transmission charges among them on mutually agreed proportion, as 6th ICT is required for both CESC and WBSEDCL/WBSETCL.

In view of the above, it is proposed that the commercial arrangement as mentioned above may be deliberated and finalised in the ERPC

TCC may discuss.

Deliberation in the 45th TCC meeting:

ED, ERLDC gave a brief presentation on the issue. It was deliberated that there is an urgent requirement for installation of 6th 400/220kV, 500 MVA ICT at Subhasgram (Powergrid) S/s.

On request of West Bengal, CESC agreed to bear the cost associated with the installation of the said ICT and its future maintenance. Further, CESC requested Powergrid to execute the project on deposit work basis.

On query, Powergrid representative submitted that the timeline for completion of the aforesaid work would be confirmed in the 46th ERPC Meeting.

TCC appreciated the proposal of CESC and referred it to ERPC for approval.

Powergrid may update. ERPC may approve.

B1.3. Technical overview of AMR data center hardware and software application refreshment program.

In continuation with agenda point no - B15 of 190th OCC, POWERGRID after detail deliberation, taken fresh offer from M/S. TCS. As per latest offer, total cost of upgradation will be Rs. 1,39,49,793/- (Excluding GST). Further meeting with ERLDC and TCS also conducted on TS of H/W & S/W upgradation on 12.05.2022.

ERLDC may provide go ahead technically for the program.

In view of above, it is proposed to provide in-principal approval to POWERGRID such that LOA can be issued for above work to TCS on Single Tender (ST) basis.

In the 191st OCC Meeting, West Bengal representative expressed that they would inform their views to ERPC within 5 days after consulting with their higher authority.

OCC agreed with the proposal of Powergrid and gave an in-principle approval for the program and referred it to the next Commercial Committee Meeting.

In 192nd OCC meeting, Powergrid representative submitted that as per the provisions laid in the contract, 54 nos. of additional SEM's could be integrated in the 4th Phase AMR as per the existing terms and conditions of LOA.

OCC referred to the upcoming Commercial Sub Committee meeting of ERPC.

In 46th CCM, POWERGRID representative submitted that as per provision laid out in the contract of existing LOA, further 54 No's SEM can only be integrated further to existing AMR system with same Terms/Conditions of LOA. Commercial sub-committee approved the additional amount of Rs. 37,26,232/- for integration of 54 No's SEM in ER along with required AMC components also for 54 No's SEM. In total the composite value of LOA finally stands at Rs. 2,08, 00,706/- (Excluding GST) after incorporating all amendment with same Terms/Conditions as per Original LOA. For integration of additional 54 SEMs with existing term and conditions of 4th Phase AMR and referred the same to the upcoming TCC/ERPC meeting for further approval.

Powergrid may explain. TCC may approve.

Deliberation in the 46th TCC meeting:

TCC concurred and referred it to ERPC for final approval.

ERPC may approve.

B1.4. LAN integration of DCU's installed at various S/s at ER for SEM data transmission to ERLDC – cost proposal.

In continuation with agenda B14 of 190th OCC meeting regarding cost approval for further LAN integration of various DCU's installed across various SS of Eastern Region, followings may be noted: -

As per original LOA- 40 Locations integrated.

As per amendment of LOA- 69 Locations integrated.

TCS has successfully completed all the 109 LAN integration work under scope vide LOA (Ref: ER-II/KOL/CS/I-2446/P-2420/AMEND-II/4374) dated- 05/07/2021. Now, the following 63 locations where LAN setup is present and AMR LAN integration is possible using that channel. Among these 41 locations can be integrated as regular connection through Normal CAT-6 cabling and TCS has agreed to carry out the work on prevailing rate of existing LOA and further 22 locations require additional financial implication in regard to converter and Optical cables. Further 08 locations are yet to provide any information about connectivity but included in totality. Total location count comes to 71. Location details attached separately.

Total Cost Calculation as below, based on TCS's proposal submitted.

Item	Type	Qty	Unit Price	Total Price (INR)
LAN Integration Service at Sub Station**	Services	71	15564	11,05,044.00
Additional Charges for LAN Integration at Kiosk Sites	Services	22	17830	3,92,260.00
Fiber Optical Cable with Converters and other accessories.	HW Supply	18000	94.50	17,01,000.00

Total Price: 31,98,304/- INR (without GST).

** Unit price for LAN Integration Service is same as per the existing LOA of AMR Phase-4.

In view of above, it is proposed to provide in-principal approval to POWERGRID such that LOA can be issued for LAN integration to TCS on Single Tender (ST) basis on urgent basis.

In the 191st OCC Meeting, Powergrid representative submitted that few locations in Jharkhand and Sikkim do not have fiber connectivity.

Sikkim representative submitted that fiber connectivity is available at Sagbari.

Jharkhand representative submitted that OPGW installation work is in progress in Chandil and Daltonganj S/s.

GMR representative agreed to provide the port opening details within 5 days.

West Bengal representative submitted that a separate meeting may be convened between the communication departments of WBSETCL, Powergrid, ERLDC and ERPC for further deliberation in this regard.

OCC advised all the states to provide the port opening details to Powergrid at the earliest.

OCC further advised Powergrid to give the status update of LAN integration to ERPC on weekly basis.

OCC gave in-principle approval for the cost proposal of Rs. 31,98,304/- INR (without GST) and referred it to the next Commercial Committee Meeting.

In 46th CCM, Powergrid representative submitted that as of 3rd July 2022, out of total 180 locations, LAN integration had been completed for 142 locations. Subsequently, LAN integration is being planned for next 19 locations in coming 3 weeks. In the remaining 19 locations work is pending due to non-receipt of port opening details and other issues.

Powergrid further informed that OCC gave in principle approval for LAN integration DCU installed at various locations of ER for data transmissions to ERLDC. The negotiated cost of LAN integration work is Rs 31,03,452/- (without GST)

Commercial Sub-Committee approved the cost of Rs 31,03,452/- (without GST) towards LAN integration DCU installed at various locations of ER for data transmissions to ERLDC and referred the same to the upcoming TCC/ERPC meeting for further approval.

Powergrid may explain. TCC may approve.

Deliberation in the 46th TCC meeting:

TCC concurred and referred it to ERPC for final approval.

ERPC may approve.

B1.5. Amendment of 4th Phase AMR of Eastern Region - Powergrid.

The existing scope of 4th Phase AMR project scope is completed and since then many new locations have been came up and presently data taken from those locations/SEM manually. As per condition of contract, there is a scope for deviation and maximum 54 No's new SEM can be integrated afresh.

Rate & other Terms/Conditions shall be remained same and confirmation received from M/S. TCS. Final amendment value comes to **Rs. 2, 08, 00,706/- (Rs. Two crore eight lacs seven hundred six only) against initial LOA of Rs. 1,60,00,559/- (Rs. One crore sixty lacs five hundred fifty-nine only).**

By this amendment fresh 54 SEM can be integrated in 4th phase AMR, including AMC and this will be final amendment as no quantity remains in the LOA.

In 192nd OCC meeting, Powergrid representative submitted that as per the provisions laid in the contract, 54 nos. of additional SEM's could be integrated in the 4th Phase AMR as per the existing terms and conditions of LOA.

OCC referred to the upcoming Commercial Sub Committee meeting of ERPC.

In 46th CCM, Powergrid representative submitted that as per the provisions laid in the contract, 54 nos. of additional SEM's could be integrated in the 4th Phase AMR as per the existing terms and conditions of LOA.

Commercial Sub-Committee approved the amount of Rs. 2, 08, 00,706/- (Rs. Two crore eight lacs seven hundred six only) for procurement additional 54 SEMs in the existing term and conditions of 4th Phase AMR and referred the same to the upcoming TCC/ERPC meeting for further approval.

Powergrid may explain. TCC may approve.

Deliberation in the 46th TCC meeting:

TCC concurred and referred it to ERPC for final approval.

ERPC may approve.

B1.6. Proposal for upgradation of 220 KV side bays pertaining to Durgapur (PG) – Parulia (DVC) D/C at Powergrid end under ADDCAP 2019-24 tariff block – Powergrid.

In reference to the 1st ERPCTP vide agenda no-03 (Sub-point-3.5), competent authority has approved reconductoring of 200 KV Durgapur (PG) – Parulia (DVC)-D/C reconductoring activity along with bay upgradation work at both ends. As per minutes the entire work to be carried out by POWERGRID at the cost of DVC. Under subject package, apart from line upgradation (From Conventional conductor to HTLS) both side bay equipment also to be upgraded to 1600 A.

Further, on dated 28.04.2022 220kV Main Bus-I tripped due to failure of R-phase BPI which is installed in 220kV Parulia (PGCIL) - Parulia (DVC) Line-II side between CT and Line Isolator. The cause of failure of BPI was due to ageing effect. There was no sign of damage on BPI prior to tripping, but due to extreme heat wave persisting in and around subject station, the BPI may have developed snag for ageing. This event i.e., the failure of BPI due to ageing effect further stressed the requirement of complete replacement of the age-old equipment's/systems are in service at Durgapur SS. Further upgradation of line capacity without replacement of all concerned equipment's may reduce reliability.

Being asset of POWERGRID, upgradation of associated bay equipment along with hardware fittings, connectors etc. and Control & Protection Panels at POWERGRID end cannot be carried

out on cost deposit basis from DVC but can be done on ADDCAP basis (under Tariff block 2019-24). The bays are commissioned back in 1987-92 period under FSTPP and as the upgradation required for enhancing capacity, it can be included in ongoing ADDCAP of FSTPP under 2019-24 block.

Therefore, to carry out the upgradation work, it is proposed to carry out the strengthening work of 220kV D/C Parulia (PGCIL) - Parulia (DVC) under ACE 2019-24 (for FSTTPS). Under subject upgradation work, following major works are proposed to be carried out at POWERGRID end: -

1. Replacement of old Isolator (05 set)
2. Replacement of CB (01 set)
3. Replacement of CT (07 set)
4. Upgradation of protection system including numerical line differential protection system.
5. Associated civil construction activity.

Tentative cost for entire upgradation work at Durgapur end will be around 2.2 Crores excluding GST.

In the 191st OCC meeting, DVC representative submitted that the cost of line and bay upgradation work at their end would be borne by them. Powergrid representative submitted that they would carry out the upgradation work of the asset situated at Powergrid end and file the petition with CERC (under Tariff block 2019-24).

OCC approved the proposal and referred it to the next Commercial Committee Meeting.

In 46th CCM, Powergrid representative submitted that they would carry out the upgradation work of 220 KV side bay pertaining to Durgapur (PG)-Parulia (DVC)-D/C at Powergrid end and file the petition with CERC (under Tariff block 2019-24) for recovery of cost.

The Commercial sub-committee approved the cost of Rs 2.2 Cr for upgradation work of 220 KV side bay pertaining to Durgapur (PG)-Parulia (DVC)-D/C at POWERGRID end under ADDCAP 2019-24 tariff block.

It was decided to place this agenda in the upcoming TCC/ERPC meeting.

Powergrid may explain. TCC may approve.

Deliberation in the 46th TCC meeting:

TCC concurred and referred it to ERPC for final approval.

ERPC may approve.

ITEM NO B. 2: Draft ERPC (Conduct of Business Rules) 2022.

As discussed in the 45th ERPC Meeting, the draft ERPC (Conduct of Business Rules) 2022 has been prepared as per Ministry of Power, Government of India resolution dated 3rd December' 2021 and subsequent corrigendum dated 17th December 2022. The same was circulated to member organizations vide email dated 29th July 2022 for their comments or suggestions. Till now, no comment has been received by ERPC secretariat. **(Draft ERPC CBR 2022 attached Annexure-B2)**

ERPC may approve.

ITEM NO B. 3: Strengthening of State Load Despatch Centers (SLDC).

The report "CAPACITY BUILDING OF INDIAN LOAD DESPATCH CENTRES-(CABIL)" was endorsed by Forum of regulators (FOR) standing technical committee in its 21st. Meeting at New Delhi on 08th October 2018 and subsequently adopted by the FOR in its 65th meeting on 13th December 2018.

The sub-group attempted to group the different LDCs based on different parameters viz. generation capacity (MW) handled, average energy catered by the control area under the LDC, length of EHV Transmission network handled by the LDC and the installed renewable generation capacity (MW). Accordingly, a weighted average score (WAS) was worked out. This exercise revealed that there are 13 large LDCs (with WAS > 9000), 10 medium LDCs (3000<WAS<9000) and 19 small/emerging LDC (WAS< 3000).

The key recommendation of the committee was that the number of executives (including supervisors but excluding non-executives) for an emerging LDC would be in the range of 30 to 50; for a medium LDC it would be in the range of 70 to 100; while in a large LDC it would be in the range of 100 to 150.

The present strength of eastern region SLDCs as gathered is tabulated below:

SLDC -wise Employee Strength					
Sl. No.	State Name	CABIL Recommendation	Number of executives (including supervisors but excluding non-executives)	Non-Technical	Total
1	WBSLDC (medium)	70- 100	27	16	43
2	Odisha SLDC (medium)	70- 100	38	9	47
3	Bihar SLDC (medium)	70- 100	37	5	42
4	Jharkhand SLDC (emerging)	30-50	19	10	29
5	DVC SLDC (emerging)	30-50	17	10	27
6	Sikkim SLDC (emerging)	30-50	21	9	30

It is seen that the number of existing personnel is much less than the recommended numbers in case of medium SLDCs. There is a need of appropriate personnel other than real time grid operation also for activities like IT - cyber security, post-despatch analysis, outage coordination-analysis, forecasting, operational feedback, Market operation, Big Data Analytics, etc.

Therefore, as per CABIL recommendation SLDCs need to be strengthened in the interest of reliable, secure and economic operation of respective systems. In this connection, it is gathered that Govt. of UP has decided to corporatize UP-SLDC as a public limited company which will be separated from UP Transmission Corporation.

ERPC may discuss.

ITEM NO B. 4: 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

In 45th ERPC Meeting, ERPC Secretariat was advised to coordinate with AIPM for conducting the remaining training program.

Subsequently, 5th batch of training programme has been organised from 04th to 08th July 2022 on the subject “Resource Optimization & Efficiency Improvement in Power System Operation” at AIPM, Kolkata.

The 6th batch of training programme is expected to be scheduled in 2nd week of September-22 on Distribution Sector.

ERPC may note.

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, Gol 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) 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.
- iv) Subsequently in view of Covid-19 pandemic and consolidated travel advisory dated 06.03.2020 issued by Gol to avoid travelling to the countries affected by Covid-19, the study program of 3rd batch was postponed with the approval of chairperson, ERPC.
- v) 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.

45th ERPC advised ERPC secretariat to coordinate with PTC in finalizing the schedule and thereafter complete necessary formalities for completion of the training programme.

The 3rd batch of training programme has now been scheduled from 12th Sep to 16th Seep 2022.

Nomination of total 18 participants from ER utilities including MoP & CEA has been finalized for the 3rd batch of training programme. In this regard, an office order no.43 dated 29.07.2022 has been issued as per the concurrence of Chairperson, ERPC for list of participants of the 3rd batch of training programme.

ERPC may note.

ITEM NO B. 5: Requirement of additional MiP-PSCT License key with Laptop

In 44th ERPC meeting, all the utilities were advised to submit their requirement of additional PSCT licenses, 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.

In 45th ERPC meeting, it was noted that the DPR for additional MiP-PSCT licenses was submitted to nodal agency on 22.03.2022 for PSDF funding.

The techno-economic sub group(TESG) of PSDF discussed the DPR in its 63rd meeting held on 10.06.2022. Subsequently, the nodal agency of PSDF vide letter dated 29.06.2022 has sought written replies for the observations by TESSG on the proposed DPR at the earliest.

ERPC may note.

ITEM NO B. 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.

44th 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.

In 45th ERPC meeting, it was noted that the DPR for additional MiP-PSCT licenses was submitted to nodal agency on 22.03.2022 for PSDF funding.

The techno-economic subgroup (TESG) of PSDF discussed the DPR in its 63rd meeting held on 10.06.2022. Subsequently, the nodal agency of PSDF vide letter dated 29.06.2022 has sought written replies for the observations by TESG on the proposed DPR at the earliest.

ERPC may note.

ITEM NO B. 7: Appointment of Audit/Tax Consultant for preparation of Books of Accounts of ERPC Establishment Fund and ERPC Fund.

In view of the approval of 45th ERPC meeting under Item no.8.2.4 for “Consultation related to TAX, preparation of Income & Expenditure Accounts” it is to inform that work order has been placed to M/s M Saha & Co. (L-1 bidder) after inviting limited quotations at an annual consolidated fees amounting to Rs.75,000/- (Rupees Seventy-Five Thousand Only) plus taxes as applicable.

The scope of work involved are as mentioned below:

- Preparation of accounts for FY-2021-22
- Preparation of Fixed Asset schedule after considering back records as per dead stock register
- Consultancy in regard to Income Tax matters
- Consultancy in regard to GST (TDS) matters
- Explaining matters to Statutory Auditors

The matter is placed before ERPC for information.

ITEM NO B. 8: Expenditure from ERPC Establishment Fund due to insufficient fund allocation from Govt. of India in the F.Y. 2022-23.

Central Electricity Authority (CEA) vide Letter No. 1/1/2022-Bud. (CEA)/151-197 dated 21st March, 2022 has sanctioned Budget Estimate (BE) 2022-23 of ERPC under Demand No. 79 of Ministry of Power. The proposed BE viz-a-viz Sanctioned BE for the year 2022-23 in respect to ERPC, Kolkata is given under:

Sl.	Head	Proposed BE 2022-23 (Rs. in Lakh)	Sanctioned BE 2022-23 (Rs. in Lakh)	Deficit (Rs. in Lakh)
1.	Office Expenditure (OE)	45.00	25.24	19.76
2.	Minor Works (MW)	6.00	3.00	3.00
3.	Other Charges (OC)	5.00	4.00	1.00
4.	Rent, Rates & Taxes (RRT)	1.50	1.50	0.00
5.	Domestic TE (DTE)	15.00	8.00	7.00
	Total	72.50	41.74	30.76

The actual expenditure of ERPC Secretariat is being reimbursed to Govt of India Quarterly by ERPC Constituents Members. Till date, ERPC has reimbursed an amount of Rs. 81.27 lakh towards Quarter-1 expenditure of ERPC secretariat for F.Y. 2022-23.

From the above, it may be observed that the aggregate sanctioned Budget Estimate under the mentioned Heads is Rs. 41.74 Lakh only, against the proposed Budget estimate of Rs. 72.50 Lakh. Therefore, 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. due to insufficient budget under "OE Head".

In the view of above, approval for Rs. 30.76 lakh (Rupees thirty lakh seventy-six thousand only) may be accorded for expenditure from ERPC Establishment Fund in the F.Y. 2022-23.

ERPC may approve.

ITEM NO B. 9: 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 - hosting42 nd ERPC Mtg. on 13.12.2019
17	JITPL - yet to host ERPC Mtg.
18	Teesta Urja Ltd. - yet to host ERPC Mtg.

Members may discuss and finalize.

PART-C: ITEMS FOR INFORMATION

The following agenda items are placed before ERPC for information:

ITEM NO C. 1:	Safeguarding interests of non-surrendering beneficiaries during RSD (Reserve shutdown).
----------------------	--

With the onset of monsoon, nor-wester and heavy torrential downpour often visits Eastern Region. This leads to sudden fall in demand necessitating running units to go under RSD (Reserve Shutdown). However, such fall in demand is rarely of long duration. With revival of demand especially during peak hours such outage of generators often led to resource inadequacy issues affecting load generation balance & system frequency.

Recently on 23rd May 2022, it was observed that demand of various states in ER was on a much lower side due to the prevailing storm & rainy weather conditions. Therefore, FSTPP Unit 2 had been taken into reserve shutdown in Real Time at 12:22 Hrs. of 23.05.2022. West Bengal, Bihar, Gujarat & Jharkhand owns around 90% share in FSTPP I & II Plant and their requisition is mentioned in table below for date 23 May 2022.

1. Requisition of state before RSD are given below

State	Share allocation (%)	% Requisition from their entitlement before RSD
West Bengal	31.93%	55 % of their Ent.
Bihar	31.40%	57 % of their Ent.
Gujarat	15.95%	0 % of their Ent.
Jharkhand	8.50%	0 % of their Ent.

2. Requisition of state at 16:00 hrs. of 24.05.2022 onward

State	Share allocation (%)	% Requisition from their on bar entitlement	% Requisition from their off bar entitlement
West Bengal	31.93%	100% of their On bar Ent.	100 % of their Off-bar Ent.
Bihar	31.40%	100% of their On bar Ent.	0 % of their Off-bar Ent.
Gujarat	15.95%	100% of their On bar Ent.	100 % of their Off-bar Ent.
Jharkhand	8.50%	100% of their On bar Ent.	0 % of their Off-bar Ent.

Based on the above details it is evident that due to full surrender of shares by some of the large states from ISGS, there may be situations where generator getting schedule well below technical minimum & unit(s) may go into RSD in Real Time. However, as demands picks up, the surrendering beneficiaries may seek full share from the remaining running units. This may affect the beneficiaries, who otherwise had maintained schedule at or above technical minimum during low demand period.

From the perspective of system reliability and generation adequacy, it may not be prudent to give full surrender of share of power by large shareholding states during lean or low demand period & resort to full requisition during peak periods. As such incidents affect the non-surrendering beneficiaries disproportionately and will also lead to outage of running units and put them under RSD. As in the above case, it was witnessed that Gujarat was taking above mentioned course of action, same may kindly be taken up with WRPC for future mitigation any such situations.

Further, West Bengal has expressed strong reservation on this and has requested to take up the matter with erring beneficiaries. In view of this, it is felt prudent that the matter may be taken up by ERPC through other RPCs.

It may be noted that beneficiaries of other regions are still not under purview of the URJA scheme (URS RESCHEDULING & JACKING-UP ASSISTANT). It is requested to extend URJA scheme to beneficiaries of other region, who have share allocation in ER ISGS's for providing technical minimum support at a discounted rate, while helping units to remain on bar.

In 46th CCM, ERLDC representative gave an overview and submitted that due to full surrender of shares by some of the major beneficiaries from a generating station during off-peak hours and full requisition from other units during high demand hours, beneficiaries, who otherwise had maintained schedule at or above technical minimum during low demand period are adversely affected.

West Bengal representative submitted that the above-mentioned instances were very frequent in case of some generators and requested ERPC to take up the matter with the respective regional RPCs for further deliberation.

ERPC secretariat representative informed that Hon'ble CERC during review meeting with Chairpersons and Member secretaries of RPCs assured for taking care of Reserve Shutdown of ISGS due to scheduling below Technical Minimum in the upcoming Draft IEGC regulation. However, no such provisions have been made regarding the above issue in the draft IEGC regulation'2022 which was circulated by CERC. Further, Technical Minimum issue has already been discussed in 11th NPC meeting for inclusion of other region beneficiaries in schemes approved in Eastern Region. ERPC secretariat while submitting comments to Ministry of Power on GRIDCO's concern on Technical minimum schedule support to ISGS stations, highlighted for bringing policy in the matter of reserve shutdown due to non-scheduling during lean period.

The Commercial Sub-Committee requested ERPC secretariat for convening a workshop on Draft IEGC Regulation'2022 for better understating of the regulation and also above issue may be deliberated further for sending comments to Hon'ble CERC on behalf of Eastern Region.

Further CCM advised ERPC secretariat to write letter to other region beneficiaries having share in ISGS stations of ER for inclusion in the URJA scheme implemented in ER or maintain schedule in ISGS stations of ER for keeping units on bar. (Scheme attached **Annexure-B1**)

It was decided to place this agenda in the upcoming TCC/ERPC meeting.

TCC may discuss.

Deliberation in the 46th TCC meeting:

ERLDC representative gave brief presentation on the issue faced by the ISGS stations of Eastern Region in the ongoing monsoon period. Further he informed that ISGS plants of ER having variable cost of more than three rupees are getting schedule below Technical Minimum during lean period.

Gujarat SLDC representative appreciated the effort made by ERPC forum for resolving Technical Minimum issue. He further assured to extend full support by giving schedule up to technical minimum.

UP SLDC representative informed that they are following merit order dispatch while scheduling and same is intimated to UPERC, if there is any deviation. He further informed that they are not in a position to participate in the URJA scheme of ER in the absence of any regulatory guideline.

WBSEDCL representative informed that during off-peak period, beneficiaries of ER like Bihar, Jharkhand, West Bengal, etc. are giving schedule of up to 55% whereas beneficiaries of other regions (for example Gujrat) is giving zero schedule. However, during peak period, the same beneficiaries give full schedule. Due to this, the generation schedule of some ISGS fall below technical minimum and the units opt to go under RSD. This results in the needy beneficiaries are not able to avail power during the peak period. He also informed that as per draft IEGC regulation 2022, it is the generators obligation to meet the supply of electricity of the beneficiaries.

After detailed deliberation, TCC advised all the stakeholders of Eastern Region to give their suggestions in the relevant provisions of draft IEGC regulation 2022 for long term solution of the ongoing RSD issue.

ERPC may note.

ITEM NO C. 2:	Ensuring Reliability of Barauni Generating Station (2X250 MW).
----------------------	---

Barauni TPS (2 X 250 MW) is connected with grid via 220 kV Barauni-Begusarai D/C, 220 kV Barauni-Mokama-Biharshariff D/C and 220 kV Barauni-Hajipur D/C. Out of these 220 kV Barauni-Hajipur one circuit is at present out on tower collapse and expected by 22-25 July 2022 as per Bihar SLDC. The availability of Barauni power plant is equally important from the Pan-India resource adequacy point of view. However, Barauni power plant experienced a total blackout due to loss of evacuation path on three occasions in last three months. One meeting was convened by ERLDC on 12 July 2022 to discuss these events. Members from Bihar SLDC, BSPTCL CRITL, BGCL, NTPC Barauni, NTPC Patna RHQ and ERPC participated in the discussion.

Following major issues emerged during the discussion of events:

1. Non-availability of bus bar protection at 220 kV as well as 132 kV levels at 220/132 kV Begusarai, 220/132 kV Hajipur and 220/132 kV Bihar Sharif substations of BSPTCL

2. Lack of protection coordination causing unwanted tripping during 132 kV faults at the 220/132 kV Begusarai substation. (Non-direction backup protection time setting is lower compared to IDMT characteristics of 220/132 kV ICTs)
3. Equipment failure (Jumper snapping, CT failure) at 220/132 kV Begusarai substation.
4. Concern by NTPC on Load carrying capacity of 220 kV ACSR Zebra conductor for 220 kV Barauni-Begusarai D/C (Limit provided is 175 MW/Ckt) while conductors are rated for 210-220 MW/ckt.
5. Keeping 220 kV Bihar Sharif-Mokama D/C open for loading control on 220 kV Barauni-Begusarai D/C
6. Restoration of 220 kV Barauni-Hajipur one circuit which is out on tower collapse.

Following are the major outcome of the meeting discussion for short-term and long-term measures:

Short term measures:

1. Restoration of 220 kV Barauni-Hajipur circuit which is out on tower collapse by **23-25 July 2022 (As per SLDC Bihar)**
2. SLDC to carry out following study
 - a. Condition-1 all 6 outgoing line from BTPS is available
 - i. Check N-1
 - ii. Suggest network reconfiguration required or not
 - iii. Design SPS if required
 - b. Condition-2 220 kV Barauni-Hajipur S/C is out
 - i. Check N-1
 - ii. Suggest network reconfiguration required or not
 - iii. Design SPS if required
3. SLDC to check the possibility of load segregation at 220 kV Begusarai substation to reduce loading on 220 kV Barauni- Begusarai D/C.
4. For any generation reduction requirement for SPS designed by SLDC, NTPC Barauni to check HP-LP bypass scheme and its feasibility.
5. To avoid a total blackout of Barauni NTPC to check and share the feasibility of house load operation.
6. Protection reviews and audit of Begusarai and O&M rectification

Long term measures

1. SLDC to intimate target date for commissioning of 220 kV Saharsha Begusarai D/C.
2. SLDC to carry out study to decide the operating network configuration considering commissioning of 220 kV Saharsha Begusarai D/C.

In 193rd OCC meeting, SLDC Bihar representative submitted that the load study in PSSE software had been carried out and some minor changes were observed. Based on the study report of load flow, the decision regarding keeping the 220 KV Biharshariff-Mokama D/C line open or close would be taken. The detailed study report would be shared with ERPC and ERLDC by 21st July 2022.

Feasibility study of bus segregation at 220 KV Begusarai substation to reduce loading on 220 KV Barauni-Begusarai D/C line is under progress and the detailed report would be shared with ERPC

and ERLDC shortly. Further, designing of SPS and load trimming scheme is also under consideration by O&M department.

Regarding conversion of 220 KV Barauni-Begusarai D/C line to HTLS, it was informed that the project team had already been intimated and decision regarding the same is awaited.

Regarding commissioning of 220 KV Saharsha-Begusarai D/C line, it was informed that, SLDC Bihar would apply for code by 21st July 2022 for charging of the circuit.

Upon enquiring about the left-out job of restoration of Barauni-Hajipur circuit, NTPC Barauni representative submitted that, 7 nos. of foundations have been made for strengthening of 2 nos. of towers which had collapsed in 2019. Upon physical inspection it was found that the materials had been mobilized to the site and the work is under progress. Work permit has been applied from 21st to 25th July regarding restoration of towers.

OCC advised NTPC Barauni to monitor the progress of work and extend any possible help to restore the Barauni-Hajipur circuit at the earliest.

OCC further raised serious concern over non-availability of bus bar protection at 220 kV as well as 132 kV levels at 220/132 kV Begusarai, 220/132 kV Hajipur and 220/132 kV Bihar Sharif substations of BSPTCL and directed to submit the implementation plans regarding the same latest by 25th July 2022 to ERPC and ERLDC for further discussion in PCC meeting.

TCC may discuss.

Deliberation in the 46th TCC meeting:

*ED, ERLDC gave a brief presentation highlighting the major issues regarding reliability of evacuation path of Barauni Generating Station (2*250 MW).*

Bihar representative submitted the following:

- 1. 220kV Begusarai-Saharsa D/C line has already been commissioned.*
- 2. 220 kV Bihar Sharif-Mokama D/C line is in close condition.*
- 3. One circuit of 220 kV Barauni-Hajipur, which is out on tower collapse, is expected to be restored by 15th August'2022.*
- 4. Strengthening work of 220 kV Barauni-Begusarai D/C has been planned and it would take one month for completing the same. After strengthening work, load carrying capacity will be 200 MW/circuit.*
- 5. Process for reconductoring work (to HTLS) of 220 KV Barauni-Begusarai D/C line has already been initiated and it would take around 1 year to complete the reconductoring work.*

ERPC may note.

ITEM NO C. 3:	Status of Implementation of Bus Bar protection at 220 KV Substations.
----------------------	--

During discussion and analysis of various grid disturbances in PCC meeting, it was observed that in many of the events where bus fault had occurred, the fault clearing time exceeded the allowed time due to non-availability of busbar protection at the concerned substations. Further non-availability of busbar protection leads to total power failure at the substation causing huge load loss to the nearby serving areas. Thus, affecting the reliability & security of the grid.

As per the CEA grid connectivity standard, busbar protection shall be provided at and above 220 kV levels for all substations.

The issue was raised in 45th TCC Meeting wherein concerned utilities replied that the implementation of busbar protection would be done at the earliest.

The status of availability of busbar protection at 220 kV substations of ER utilities is attached at **Annexure-B3**.

Concerned utilities may update the present status. Members may discuss.

Deliberation in the 46th TCC meeting:

BSPTCL representative updated that out of twelve substations where busbar protection is not available, proposal for ten no of substations has been sent for funding through PSDF.

Busbar protection of Fatuha S/s will be commissioned in August'22. For Biharsharif S/s, there is space constraint and the busbar protection can be implemented after construction of new control room building.

OPTCL representative informed that some of the substations where busbar is not-operational are under SAS project and the commissioning of busbar is covered under the SAS project. For these substations, the tentative timeline for implementation would be one year.

For many of the substations, the busbar protection is not functional due to faulty bay units for which procurement of new bay units have already been initiated and they are in constant touch with the manufacturer for early supply & installation of the defective bay units.

TCC opined that the requirement of having busbar protection in 220 kV substations is mandatory as per CEA grid connectivity standard and advised concerned transmission utilities to take necessary action for operationalizing busbar protection in all the 220 kV substations in their respective jurisdiction.

ERPC may note.

ITEM NO C. 4:	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.

In 45th TCC Meeting, it was decided to constitute technical committees for finalizing the Islanding Schemes of Patna & Ranchi.

Subsequently, the committees were formed & discussed the matter in detail. The report submitted by the committee is attached at **Annexure-B4**.

The summary of the recommendation of the committee is as follows:

Ranchi Islanding Scheme:

In 191st OCC meeting of ERPC held on 20.05.2022, a proposal was approved to charge the existing 220 kV Tenughat-PTPS S/C line at 400 kV level & terminate the line at 400 kV PVUNL S/s for supplying start up power to PVUNL. The new line will be 400 kV Tenughat-PVUNL S/C line. It emerged that after implementation of the above proposal, there will not be any connectivity between the participating generator (Tenughat) and Load centre of Ranchi.

In the 3rd meeting of the committee, Jharkhand representative informed that the above arrangement is an interim one & 400 kV Tenughat-PVUNL line will be later on shifted from PVUNL to 400 kV PTPS S/s after commissioning of PVUNL units (tentatively in 2023). However, they did not communicate any firm timeline for this interim arrangement.

As the timeline of interim arrangement as well as the final network configuration is not clearly spelt out, members opined that the discussion related to Ranchi Islanding Scheme may be kept in abeyance.

Accordingly, it was decided that the Ranchi Islanding Scheme would only be discussed after finalization of the network configuration.

Patna Islanding Scheme:

The islanding scheme would be designed considering one unit of NPGCL (660 MW) as participating generator & corresponding load Patna city (approx. 560 MW).

Islanding Logic:

Based on the preliminary study result of Patna Islanding scheme, the scheme is found to be stable for all the extreme scenarios.

The islanding logic is proposed as follows:

- I. As the islanding should commence before picking up of any of the under-frequency protection stage of units and that's why island formation will start at 48.4 Hz with a delay of 200 msec.
- II. In scenario where Generation is minimum, Loads are becoming High in the island in both the cases of Minimum & Maximum load, so to tackle this situation and avoid fast frequency dip as well as to limit the rate of frequency down following should be done at the instant of island formation,

Whenever Load >80 MW of Generation, Trip 50 MW between (48.5- 48.7 Hz).

Whenever Load >150 MW of Generation, Trip 150 MW between (48.5- 48.7 Hz).

- III. Even after that island will be load rich for the case when generation is minimum, in this case, under frequency Load Shedding (UFLS) inside the island is proposed to trigger at 48.2 Hz so as to balance the load generation within the island.

The details are as follows:

- 48.2 HZ 100 ms 20 % of island load.
- 48.0 Hz 100 ms 10% of Island load.
- 47.8 Hz 100 ms 10 % of Island load.

Action to be taken at Generator side:

- NPGCL to decide about the scheme regarding unit selection during islanding as it will require tripping of breakers to create the island. This requires flexibility based on selection of units with one and half scheme bus arrangement. It should be noted that islanding should not be unit specific and should work even with one unit in service during actual conditions.
- NPGC must ensure that during islanding, islanded unit auxiliary or any AC connection between existing units and islanded units should not be there as it will create a loop with the grid.
- NPGC to check regarding capability and feasibility of its units for islanded mode of operation with OEM.

Load Generation balance within island:

- In addition to centralised monitoring unit, Provision for monitoring of load generation balance of the system shall be done at NPGCL end as well as SLDC Bihar end.
- Based on the load generation imbalance, corrective action such as necessary pre-identified block load shedding is to be done via centralized unit between 48.8 Hz i.e., last grid side UFR stage setting & 48.4 Hz which is frequency for island formation. This way Island survival and stability can be assured.
- For the above, block of loads /feeders needs to be pre-identified which will be tripped by centralized unit command in between the frequency (48.7-48.5 Hz), in case of large load generation imbalance as per the logic obtained from the study.
- Whenever frequency is below 48.8 Hz (Last STAGE of grid side UFLS) and above islanding frequency (48.4 Hz) and hovering around the same even after some block load shedding by the centralized island monitoring and control system, load generation imbalance can be

minimized also manually to stabilize the frequency by SLDC on regular basis. This can be done using alarm system integration for SLDC operators.

- Identified maximum load within the island is to be reviewed periodically. In case of load within the island if exceeding the maximum load considered for the study it needs to be revised and limited accordingly for successful island and its survival.

Finally, study for the islanding study should be done in detail considering all plant dynamics, and various control loops of the plant considering influences from speed and pressure control loop needs to be studied in consultation with OEM. Scheme detailed engineering design for actual installation and implementation should be done considering reliability, security, selectivity, robustness and redundancy.

TCC may discuss.

Deliberation in the 46th TCC meeting:

ERPC Secretariat representative stated that as per the direction of 45th ERPC, technical committees were constituted and the matter was discussed in several meetings of the committee. The deliberation of the committee in brief is as follows:

Ranchi Islanding Scheme:

Due to proposed upgradation of 220 kV Tenughat-PTPS line at 400 kV level and terminating the line at 400 kV PVUNL S/s for supplying start up power to PVUNL, there will not be connectivity between the participating generator (Tenughat) and Load center of Ranchi.

As the timeline of interim arrangement as well as the final network configuration is not clearly spelt out, members opined that the discussion related to Ranchi Islanding Scheme may be kept in abeyance.

JUSNL representative updated that upgradation & termination work of Tenughat-PTPS is under progress and it is expected that work will be completed by October 2022. He further informed that this interim arrangement has been made in order to provide start up power as well as evacuation path for PUVNL unit which is expected to be commissioned by Feb-24.

Patna Islanding Scheme:

Based on the steady state as well as dynamic study result of Patna Islanding scheme, the scheme is found to be stable for all the extreme scenarios.

The islanding system will be formed with one unit of NPGCL and corresponding loads of Patna city as enumerated in the study report.

Committee recommends for a centralized monitoring unit which would monitor & initiate action to balance load generation of the islanding system.

Also, an islanding study shall be done in detail considering the actual models of the governor & excitor of the unit, various control loops of the plant considering influences from speed and pressure control loop in consultation with OEM.

Preparation of detailed project report may be initiated by Bihar based on the preliminary study report of the committee & the DPR shall include provision of detailed study in it.

After deliberation, TCC opined that for detailed study by OEM, NTPC has to take initiatives & advised NTPC to take up the matter with OEM for carrying out detailed study of the proposed islanding scheme in a time bound manner. NTPC agreed to it.

TCC advised Bihar to initiate the process of DPR preparation & advised all the concerned stakeholders to coordinate for providing relevant inputs for preparation of DPR.

ERPC may note.

ITEM NO C. 5:	Taking FSC of 400 KV Jeypore – Gajuwaka # 1 & 2 into service at higher power levels only.
----------------------	--

- A. A meeting was held on 05.07.2022 to discuss the ferro resonance issue being observed at HVDC Vizag. HVDC Vizag team presented the brief details of ferro resonance phenomenon and the recommendation of OEM (M/s ABB) for mitigating the issues.
- B. As per the study carried out by M/s ABB (detailed study report attached), the following is proposed to be adopted for FSC operation and control:-
1. FSC to be kept out of service during charging of Line.
 2. FSC to be kept out of service during startup of HVDC System
 3. FSC shall be put in service if total power flow from East to South in 400kV Jeypore-Gajuwaka#1 & 2 is more than 500MW i.e. Each line Power Flow is more than 250 MW.
 4. FSC shall be kept out of Service if power flow is from South to East direction for both circuits of 400kV Jeypore-Gajuwaka lines.
 5. FSC is to be kept out of service if only Pole-1 is in service at Gajuwaka end, since there is no detection of Ferro Resonance in Pole-1.
 6. Bypassing of series compensation on detection of ferro resonance.

From the past records of detection of ferro resonance during transient disturbances in the AC system in the vicinity like the recent incidence of single phase to ground fault in Jeypore-Gajuwaka line and subsequent bypassing of FSC at Jeypore end. The combined power flow in both the circuits of 400kV Jeypore-Gajuwaka Circuit was around 350 MW and 450 MW in two events at the time of ferro resonance detection i.e., the power flow was less than 500 MW with power flow direction from East to South.

Total 10 no. of transient disturbances in AC System were observed in last Six years, when the Power flow was high (> 500 MW) and ferro resonance was not occurred.

Accordingly, it is proposed to take the FSC into service at higher power levels only i.e. power flow in both circuits totalling more than 500MW (East to South). This will minimize the occurrence of ferro resonance as the phenomenon is more predominant at lower power levels.

Powergrid may explain. TCC may discuss.

Deliberation in the 46th TCC meeting:

Powergrid Odisha representative explained the issue in brief. He submitted that FSC may be taken into service when the power flow in both circuits totalling more than 500MW and the direction of power flow is from East to South. This will in turn minimize the occurrence of ferro resonance which is more predominant at lower power levels.

ERLDC representative submitted that as such there is no issue in implementing the said proposal. However, the same can be implemented in consultation with NLDC, SRPC and SRLDC.

TCC advised ERPC secretariat to convene a meeting among Powergrid Odisha, NLDC, SRLDC, SRPC, ERLDC for implementation of the said proposal.

ERPC may note.

ITEM NO C. 6:	Repeated Right of Way (ROW) issues encountered during the OPGW Stringing work in 400 KV Angul-JITPL D/C Transmission Line.
----------------------	---

- A. Under Package-I: Communication System for Central Sector under North Eastern Region (Additional) & Eastern Region (Reliable Scheme), POWERGRID has been entrusted for the establishment of OPGW Link in Angul-GMR, Angul-JITPL & Angul-Srikakulam (up to Location No.- 319) as a part of ULDC Project requirement.
- B. In this regard, POWERGRID has awarded the contract to M/s Shenzhen SDG Information Company Limited (SDGI) for the establishment of OPGW link in Angul-GMR (Link Length- 29.855 KM), Angul-JITPL ((Link Length- 75.186 KM) and Angul-Srikakulam (up to Location No.- 319) (Link Length- 121.19 KM).
- C. The Commissioning of the PMUs at GMR and JITPL end are also linked with the commissioning of Angul-GMR link and Angul-JITPL Link respectively.
- D. Due to active support and co-operation from GMR, the OPGW stringing work of Angul-GMR link (Link Length- 29.855 KM) has been successfully completed. The final commissioning of this Angul-GMR OPGW link and PMUs at GMR end have been planned for completion during this month.
- E. However, repeated ROW issues have been encountered during the OPGW stringing work of Angul-JITPL Link. Till date only 23.923 KM OPGW stringing work has been completed out of total link length of 75.186 KM.
- F. These ROW issues are mostly related to the construction period of the line. Since the line belongs to JITPL, therefore it is not becoming feasible for POWERGRID to carry out the balance OPGW stringing work (around 51.263 KM) of Angul—JITPL link without active participation from JITPL to resolve these inherent issues linked with the construction of 400kV Angul-JITPL Line.
- G. The executing agency (M/s SDGI) de-mobilized its gang on 11.03.2022 due to repeated ROW issues in Angul-JITPL Line, since their gang were compelled to sit idle for a long period of time without any work.
- H. In view of the above facts, full support from JITPL end with their active participation is highly essential for the completion of the balance OPGW stringing work in Angul-JITPL link to ensure an early and successful commissioning of Angul-JITPL link along with PMUs at JITPL end.

- I. In this regard, a joint co-ordination meeting was conducted between M/s POWERGRID, Odisha and M/s JITPL on 26.02.2022 to take firm action to resolve the deadlock condition, but so far M/s JITPL has been non-committal in resolving the issues severely affecting further progress of the work.
- J. It is therefore requested to issue necessary instructions to M/s JITPL to co-operate and participate directly in resolving the construction related ROW issues for completion of the balance OPGW stringing work in Angul-JITPL link.

Powergrid may explain. TCC may discuss.

Deliberation in the 46th TCC meeting:

Powergrid Odisha representative briefed the issue in brief and further submitted that they need JITPL's cooperation in resolving the RoW issues of Angul-JITPL Line.

JITPL representative submitted that many RoW issues have been resolved and regular meeting between JITPL and Powergrid Odisha may be convened to resolve any pending RoW issue, if arises.

TCC advised JITPL to give written communication to Powergrid so that the same can be submitted before local authorities by Powergrid while carrying out the OPGW stringing work.

ERPC may note.

ITEM NO C. 7:	Outage of Important Transmission Lines.
----------------------	--

A. Outage of 132 KV Sagbari-Melli

Sikkim vide mail dated 09.06.2021 updated the following status:

- 1) In loc 82,83 & 84 we have low ground clearance which need hill cutting but if needed TL can be charged after putting temporarily barbed wire fencing.
- 2) In loc 98-99 a house had been constructed just below the line and warning had been issued to the owner for not to do vertical extension of the house till any such arrangement is made.
- 3) In loc 116 & 117 land owner demanding for intermediate tower and not allowing for us to clear the jungles.
- 4) Loc 128 is in dilapidated condition due to sinking effect posing threat to lives and properties. Local public are asking to shift the tower in safe place before restoration of supply in the TL.
- 5) 80% of jungle clearance has been completed and remaining 20% is in Forest area most of it is under west district and waiting for permission from Forest department.
- 6) The delay in obtaining permission for following trees in forest land is that it cannot be ascertained whether FCA clearance during construction of TL was obtained as the record is not available either in power department or in DFO Office. Regarding this it had been told by ERPC that once obtaining environment clearance at the time of construction there need not to take permission for further clearance of ROW from Forest dept and this matter is been conveyed to the Forest department but they informed us as per Forest Act of Sikkim state

permission has to be obtained for fresh felling with payment of compensation. File for approval is being send to conservator of Forest from DFO on 10/6/2021.

Sikkim may update.

Deliberation in the 46th TCC meeting:

Sikkim representative updated the following:

1. Tower foundation work is going on in loc 128.
2. Other issues have been resolved.
3. The line is expected to get restored by October-22.

ERPC may note.

B. Restoration of 220 KV Farakka-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 181st OCC Meeting, JUSNL representative submitted that they had got a letter from NTPC on 19th July '21 regarding anti-theft charging of the 220kV Farraka-Lalmatia S/C line at 33kV level. Earlier the antitheft charging of the line was done at 11kV level but incidents of thefts have been reported in some portion of the conductor.

Further, Jharkhand representative requested NTPC to submit the details of the 33kV lines passing below 220kV Farakka-Lamatia T/L. He added that as per information obtained from their JUSNL Discom part, the 33kV lines are mostly connected with 11kV feeders and due to this it would be difficult to charge the Farakka-Lalmatia line at 33kV level in Pakur area.

NTPC representative informed that they had charged the line up to loc no.241 but in between loc no.76-82 only the top conductor was in charged condition and the bottom rest were not; because of this theft might have happened in that portion. He further added that they had already isolated the section from loc no.76-82, whereas up to loc no.76 the line is in charged Condition and from loc no.82-241 the line needs to be charged.

ERPC advised NTPC and Jharkhand to explore the possibility of antitheft charging at 33kV level first and if that is not feasible then charging at 11kV can be assessed.

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 192nd OCC meeting, JUSNL representative submitted that the price part was opened on 17.06.2022 and the price was found to be higher than the estimated cost. Decision is being taken in this regard and the order would be placed within 20 days.

In 193rd OCC meeting, JUSNL representative submitted that they have requested their Energy Dept. for necessary approval regarding additional budget and any decision regarding the same is still awaited.

OCC referred the above agenda to the upcoming TCC/ERPC meetings.

TCC may discuss.

Deliberation in the 46th TCC meeting:

Jharkhand representative submitted that the tendering work for the rectification of the said line has been completed. They are in process of sanction of fund for placing the order.

ERPC may note.

ITEM NO C. 8:	Monthly Bilateral REA for IPPs of Eastern Region (i.e., APNRL).
----------------------	--

Adhunik Power & Natural Resources Limited supplying power under following PPAs:

- (1) Long-term Power Purchase Agreement (PPA) dated 25.03.2011 signed between Adhunik Power & Natural Resources Ltd. (APNRL) and PTC for supply of 100 MW to WBSEDCL.
- (2) Long-term Power Purchase Agreement (PPA) signed between PTC and APNRL dated 19.12.2013 for supply of 100 MW to TANGEDCO.
- (3) Long-term Power Purchase Agreement (PPA) dated 28.09.2012 & 06.11.2017 signed between JBVNL & APNRL for supply of 122.85 MW & 66 MW respectively.

Declared Capacity for the power supply under above PPA's is being submitted to ERLDC and concerned SLDC on regular basis, whereas currently APNRL's Declared Capacity statement is not getting reflected in REA/portal of ERPC website. Further, for other IPPs, DC statement is being uploaded in REA portal of ERPC website.

Accordingly, we request ERPC secretariat to upload the APNRL's monthly Declared Capacity certificate for supply of power under all 3 long term PPAs for current Financial Year (FY 2022-23) in ERPC Website.

APNRL may explain.

Deliberation in the 46th TCC meeting:

ERPC Secretariat representative informed that in line with the DC certification of other IPPs of Eastern Region such as GMR, JITPL etc., DC certification of APNRL would be done. Further, he informed that APNRL will submit PPA wise DC and Agreed Schedule in the first week of every month to ERLDC for onward submission of the same to ERPC for certification of the same by ERPC secretariat.

After detailed deliberation TCC advised ERPC Secretariat to issue DC certification of APNRL from April-2022 onwards in line with that of other IPPs of ER.

ERPC may note.

ITEM NO C. 9:	Revised RTA for the period from 15.11.2014 to 07.03.2016 issued vide ERPC letter No. ERPC/COM-I/REA/3780-3798 dated 12.01.2018.
----------------------	--

The instant matter is related with the Revised RTA issued vide ERPC letter no. ERPC/COM-I/REA/2018/3682-3700 dated 11/12.01.2018 for the period from 15.11.2014 to 07.03.2016 in view of the Hon'ble CERC order dated 20.09.2016 in Pet. No. 130/MP/2015 along with I.A. No. 67/2017.

From the said revised RTA, it has been observed that the amount pertaining to transmission charges to be refunded to Bihar DISCOMs for the respective months/period as mentioned in the revised RTA is not correct as it does not matches/ not in line with the transmission charges already billed to the Bihar DISCOMs as per the subsequently revised applicable PoC charges/rates. Due to this, a differential amount for the transmission charges is also to be refunded to Bihar Discoms.

Bihar DISCOMs has observed that this incorrectness/mismatch of the amount pertaining to transmission charges to be refunded to Bihar DISCOMs is due to the following reasons:

1. For the period of November-14 to April-15, it has been observed that only Injection charge has been considered to arrive at the refundable Transmission charges to Bihar DISCOMs whereas the applicable Withdrawal charge has not been considered for the same.
2. For the month of May-15, June-15, Jan-16, Feb-16 and March-16, the latest revised RTA issued by the ERPC on the basis of revision of PoC rate has not been considered while calculating the refundable Transmission charges to Bihar DISCOMs. (copy of the already revised RTA is enclosed).

In this connection, Bihar Discoms vide letter 161 dated 21.09.2021 by providing the detailed calculation has already requested ERPC to kindly look into the matter and accordingly revise the RTA for the period from 15.11.2014 to 07.03.2016.

Earlier, this matter was discussed in the 44th & 45th TCC meeting of ERPC whereas following was deliberated:

44th TCC meeting as item no: C16.:

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

45th TCC meeting as item no: B20:

“ERPC secretariat explained that the RTA revision for the period 15.11.2014 to 07.03.2016 will be done based on revised PoC rates. The issue has already been taken up with NLDC vide letter dated 23.03.2022 for early revision of PoC rates, the reply is still awaited.”

ERLDC representative informed they will coordinate with NLDC for PoC rate revision for above period.

After detailed deliberation, TCC advised ERLDC to take up with NLDC for revision of PoC rates for above period at the earliest.”

Bihar Discoms by reiterating its earlier submissions, further submit that in order to consider request of Bihar DISCOMs for further revision of the revised RTA there is no requirement of any revision of PoC rates by NLDC rather it may be done by considering the subsequently revised RTA already issued by the ERPC as well as other submissions made by the Bihar DISCOMs.

In view of the above, the said agenda item may be considered and necessary revision in RTA may be done.

TCC may discuss.

Deliberation in the 46th TCC meeting:

Bihar representative raised some discrepancies in the RTA issued for the period from November 2014 to March 2016 with respect to the PoC rates considered during that period.

ERPC Secretariat assured to go through the relevant CERC orders and revise the accounts for the said period, if required.

ERPC may note.

ITEM NO C. 10:	Revision of schedule by ERLDC from retrospective effect – Agenda by Bihar.
-----------------------	---

Bihar DISCOMs have brought into the knowledge of ERLDC that several times revision in schedule from generator is done from retrospective effect. In this connection, it is to submit that, the power drawl of Bihar DISCOMs is monitored and controlled, to match the Schedule provided by the various generators for each time block on continuous basis. However, any change in schedule with retrospective effect makes such monitoring and control of drawl by Bihar Discoms a futile exercise.

Further, due to such retrospective revision of schedule of generator, on various occasions, Bihar DISCOMs has to pay charges for electricity not provided to it/availed by it.

Bihar Discoms, vide various letters have already placed this issue before ERLDC for their kind consideration and necessary action. Copy of the some of the such letter are enclosed as **Annexure-B12**

Bihar may explain. ERLDC may respond.

Deliberation in the 46th TCC meeting:

Bihar representative informed that the power drawl by Bihar DISCOMS is monitored and controlled to match with the schedule but frequent changes in schedule from retrospective effect makes the monitoring very difficult.

ED, ERLDC informed that the present integration of RTM, GDAM schedule into WBES scheduling software create glitches in the software sometimes. Further, he informed that they will look into the issue and will try to resolve the same. He assured that these types of changes in schedule from retrospective effect will not happen in future.

ERPC may note.

ITEM NO C. 11:	Implementation of CERC (DSM & Related matters) Regulations'2022 – Agenda by NHPC.
-----------------------	--

CERC vide notification dated 14th March'2022 had issued Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2022. The regulation shall come into force on such date as may be notified by the Commission separately.

NHPC vide letter 03.06.2022 to Member Secretary, ERPC highlighted the implications of various provisions of DSM Regulation' 2022. (Letter attached at **Annexure-B13**)

In 46th CCM, NHPC representative gave an overview of the agenda item and raised their concern over the new DSM regulations. Upon enquiry, he intimated those comments were submitted against the aforesaid regulations (as mentioned in Annexure) to CERC.

Commercial Sub-Committee observed that the Hon'ble Commission has already issued the final DSM regulations after considering the comments of all the stakeholders.

Commercial Sub-Committee referred the issue to the upcoming TCC meeting for further deliberation.

TCC may discuss.

Deliberation in the 46th TCC meeting:

TCC observed that CERC (DSM & Related matters) Regulation 2022 is already notified. Further TCC advised NHPC & other generators to raise their concern in the draft IEGC regulation 2022 for consideration in the final regulation.

ERPC may note.

ITEM NO C. 12:	Payment/receipt status from various pool accounts in ER.
-----------------------	---

A. Payment of Deviation Charge & Reactive Charges – 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 status of Deviation Charge payment as on 20.07.2022 is enclosed at **Annexure –B18.1**. The current principal outstanding Deviation Charge of BSPHCL, JUVNL and SIKKIM is ₹ 48.38 Cr, ₹ 131.57 Cr, & ₹ 13.75 Cr respectively considering bill up to 05.06.2022. ERLDC is regularly giving reminders to BSPHCL, JUVNL & SIKKIM and others defaulting entity to liquidate the outstanding Deviation charges.

In 46th CCM held, Bihar representative informed that the current outstanding of Rs 40.79 Cr on account of Deviation charges will be cleared by July’2022. Commercial sub-committee requested JUVNL and Sikkim to clear some part of their outstanding Deviation charges dues by July’2022. However, after the 46th CCM Bihar, Jharkhand and Sikkim have paid Rs. 4 Cr, 2 Cr and 5 Cr. respectively (until 20.07.2022).

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

Deliberation in the 46th TCC meeting:

TCC advised all the concerned constituents to clear their outstanding dues at the earliest.

ERPC may note.

B. Interest due to delayed payment of deviation charges/RRAS

Due to delayed payment of deviation charges in DSM Pool interest was computed for all the DSM Pool Members. The statement of interest amount as on 20.07.22 is enclosed in **Annexure-B18.2**.

46th CCM advised all the constituents to liquidate the payment at the earliest. GMR is yet to clear the outstanding Interest of ₹1.74 Cr.

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

Deliberation in the 46th TCC meeting:

TCC advised all the concerned constituents to clear their outstanding dues at the earliest.

ERPC may note.

C. Reactive Energy Charges – Present Status.

The status of Reactive Energy Charges in the pool as on 20.07.2022 considering bill up to 03.07.2022 is indicated in **Annexure –B18.3**. The total outstanding receivable on account of Reactive charges from JUVNL is ₹ **4.8 Cr.** Bihar & Sikkim have cleared all the dues of reactive charges. WBSETCL and GRIDCO are regularly paying the reactive charges.

In 46th CCM/ERPC the Commercial sub-Committee advised all the constituents of Eastern Region to clear their payments in time.

JUVNL may confirm the program for payment of outstanding dues.

Deliberation in the 46th TCC meeting:

TCC advised all the concerned constituents to clear their outstanding dues at the earliest.

ERPC may note.

ITEM NO C. 13:	Opening of LC by ER constituents for DSM payments.
-----------------------	---

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

The details of LC amount required to be opened in 2021-22 by ER constituents is given in **Annexure – B19**. Letters to this effect was issued by ERLDC to the defaulting entities.

In 46th CCM, NTPC representative informed that the requisite LC amount on account DSM charge payment in respect of NTPC, NPGC will be opened as early as possible. The Commercial Sub-Committee requested defaulting constituents to open their requisite LC as per prevailing CERC DSM Regulation'2014. And subsequent amendments.

At present there is no valid LC i.r.o WEST BENGAL, SIKKIM, NTPC, MPL, APNRL, Gati HEP, GMR, JITPL, JLHEP, Dikchu, Tashiding, NPGC, Rongichu.

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.

Members may update.

Deliberation in the 46th TCC meeting:

JITPL informed that they are unable to open LC due to restriction by bank. Further they informed that they are ready to deposit the cash amount in ER DSM Pool Account in place LC.

ERLDC representative informed that LC should be opened as per prevailing DSM regulation.

After detailed deliberation, TCC opined that till such time JITPL is allowed to open LC, cash deposit method may be accepted by ERLDC. Further TCC advised all other defaulting constituents to open their requisite LC as per prevailing CERC DSM Regulation.

ERPC may note.

ITEM NO C. 14:	Performance of ER grid during March-22 to June-22.
-----------------------	---

A) Real time operation:

During the period under review, power supply position in the region was as under:

	Mar-21	Apr-21	May-21	Jun-21	Mar-22	Apr-22	May-22	Jun-22
Avg Freq. (Hz)	50.00	50.00	50.00	50.01	49.98	49.93	50.00	49.98
Peak Demand (MW)	23647	24656	24347	23504	24951	25621	24669	26096
Energy Consumption (MU/day)	451	492	426	456	469	534	510	539
ISGS Gen (MU)	5576	5490	5705	6359	7377	7549	6817	8010
IPP Gen (MU)	2379	2471	2661	3088	2261	2512	2716	2866

State Sector Gen (MU)	11087	10400	9608	9497	11000	10233	10698	10146
Regional Gen including Bhutan Injection (MU)	19043	18361	17974	18944	20638	20294	20231	21023
% Increase in Regional Gen					8.38	10.53	12.56	10.97

Constituent	Mar-22		Apr-22		May-22		Jun-22	
	SCH	ACT	SCH	ACT	SCH	ACT	SCH	ACT
BIHAR	2853	2855	3252	3255	3176	3185	3315	3325
JHARKHAND	685	709	737	764	693	709	706	719
DVC	-1633	-1645	-1396	-1393	-1285	-1262	-1224	-1221
ODISHA	1374	1393	1513	1561	1634	1678	1898	1955
WEST BENGAL	701	708	1860	1909	1374	1405	1698	1733
SIKKIM	54	52	44	47	43	47	45	44

B) System Operational Discipline during the period from MAR-22 to JUN-22:

The month-wise energy draws of ER constituents were as given here under:

SUB-STATION/ POWER STN.	Mar-22		Apr-22		May-22		Jun-22	
	MAX (KV)	MIN (KV)	MAX (KV)	MIN (KV)	MAX (KV)	MIN (KV)	MAX (KV)	MIN (KV)
NEW RANCHI-765 KV	792	764	796	763	796	759	795	764
ANGUL-765 KV	802	757	803	767	801	746	799	757
GAYA-765 KV	778	748	780	747	785	746	785	750
JHARSUGUDA-765 KV	799	768	792	775	791	778	793	776
SASARAM-765 KV	790	742	799	743	797	747	798	748
DARLIPALLI-765 KV	790	752	793	767	792	763	793	762
MIDNAPORE-765KV	785	746	798	745	802	755	790	755
NEW JEERAT-765KV	783	740	799	740	806	740	794	744
BERHAMPORE - 400KV	415	404	418	401	418	405	417	405
BIHARSARIFF - 400KV	419	397	420	397	420	400	419	401
BINAGURI - 400KV	422	399	419	399	420	400	417	400
DURGAPUR - 400KV	409	397	408	394	408	396	407	393
MUZAFFARPUR - 400KV	414	382	417	389	416	386	411	387
RANGPO - 400KV	426	399	422	399	421	399	415	399
JAMSHEDPUR - 400KV	415	401	415	396	414	387	416	398
JEERAT - 400KV	416	391	421	384	424	395	418	395
JEYPORE - 400KV	407	407	417	402	417	400	418	396
KODERMA - 400KV	418	404	417	401	418	404	419	404
MAITHON-A - 400KV	414	398	408	397	410	396	410	396
ROURKELA - 400KV	403	390	403	390	404	392	404	393
MERAMUNDALI - 400KV	413	389	415	396	416	396	416	396
SASARAM - 400KV	411	366	412	390	415	395	417	392
SUBHASHGRAM - 400KV	413	384	421	386	420	387	416	386

C) Frequency & Voltage:

Frequency profile for the period during **MAR-22 to JUN-22** is given hereunder. The frequency mostly remained within the allowable range for the entire period

Month	% of time for which frequency		
	<49.9	49.9-50.05 (IEGC Band)	> 50.05
Mar-22	14.50	73.41	12.09
Apr-22	31.98	59.24	8.78
May-22	9.83	72.22	17.95
Jun-22	12.45	73.37	14.18

		Mar-21	Apr-21	May-21	Jun-21	Mar-22	Apr-22	May-22	Jun-22
BIHAR	AVG MAX DMD(MW)	5004	5611	5262	5786	5249	5827	5735	6116
	MU/DAY	93	109	95	107	99	116	112	121
DVC	AVG MAX DMD(MW)	3249	3187	2939	3128	3450	3587	3485	3502

	MU/DAY	68	69	62	66	74	78	76	75
JHARKHAND	AVG MAX DMD(MW)	1437	1564	1410	1483	1510	1603	1466	1502
	MU/DAY	27	29	25	27	30	33	31	32
ODISHA	AVG MAX DMD(MW)	4733	5056	4820	4774	5309	5510	5872	6060
	MU/DAY	97	105	98	100	111	117	123	129
SIKKIM	AVG MAX DMD(MW)	88	66	77	83	105	104	98	94
	MU/DAY	1.2	0.9	1.1	1.3	1.6	1.6	1.5	1.4
WEST BENGAL	AVG MAX DMD(MW)	8152	8814	7652	7784	7696	9179	8448	8976
	MU/DAY	164	179	145	155	154	189	167	180

Maximum and minimum voltages recorded at some important 765 KV and 400 kV sub-stations were as follows:

D) Constituent-wise demand met is given below:

E) Inter-regional energy exchange during the review period were as follows: (Figures in MU)

Region	Mar-22		Apr-22		May-22		Jun-22	
	SCH	ACT	SCH	ACT	SCH	ACT	SCH	ACT
NER	46.0	-37.9	-120	-375	-268	83	-392	104
SR	871.8	2308.3	1131	1808	250	1260	81	1273
WR	2454.1	283.6	689	-229	1126	-702	1437	-1114
NR	1266.3	2134.9	1344	1692	1945	2261	2702	3368
TOTAL	4638.3	4688.9	3044	2896	3053	2903	3828	3631

F) Reservoir levels of important hydro stations in ER during MAR-22 to JUN-22 (as on last day of the month) is given below:

STATION	MDDL/ FRL	Mar-22	Apr-22	May-22	Jun-22
BURLA	590/630 FT	619.02	610.47	602.62	599.73
BALIMELA	1440/ 1516 FT	1471.8	1458.6	1451.8	1444.3
RENGALI	109.7/ 123.5 MTR	119.35	115.45	111.01	110.04
U. KOLAB	844/ 858 MTR	848.01	846.09	845.46	845.47

MACHKUND	2685/ 2750 FT	2707.35	2701.3	2699	2688.4
INDRAVATI	625/ 642 MTR	630.6	629.68	629.59	629.69

G) New Element Charging:

Mar-22

NEW ELEMENTS COMMISSIONED DURING MARCH-2022						
ICTs/GTs/STs						
S.NO	Agency/Owner	SUB-STATION	ICT NO	Voltage Level (kV)	CAPACITY (MVA)	DATE
1	JUSNL	PATRATU	1	400/220	315	3-Mar-22
2	OPTCL	MEERAMUNDAL I-B	1	400/220	500	23-Mar-22
3	BIHAR/BGCL	NAUBATPUR	2	400/220	500	17-Mar-22
TRANSMISSION LINES						
S.NO	Agency/Owner	LINE NAME	Length (KM)	Conductor Type	DATE	
1	OPTCL	220KV-BOLANGIR (PG)-KESINGA-1	80.596	ACSR Zebra	9-Mar-22	
2	BSPTCL	220KV-SAHARSA(PMTL)-KHAGARIA(NEW)-1	73	ACSR Zebra	9-Mar-22	
LILO/Re-Arrangement OF TRANSMISSION LINES						
S.NO	Agency/Owner	LINE NAME/LILO at	Length (KM)	Conductor Type	DATE	
1	BIHAR/BGCL	LILO of 400 KV PATNA-BALIA-3 AT NAUBATPUR(BGCL) (400KV-NAUBATPUR(BH)-BALIA-1)	155.818	QUAD Moose	17-Mar-22	
2	BIHAR/BGCL	LILO of 400 KV PATNA-BALIA-3 AT NAUBATPUR(BGCL) (400KV-PATNA-NAUBATPUR(BH)-1)	25.452	QUAD Moose	17-Mar-22	
3	BIHAR/BGCL	LILO of 400 KV PATNA-BALIA-4 AT NAUBATPUR(BGCL) (400KV-NAUBATPUR(BH)-BALIA-2)	155.818	QUAD Moose	17-Mar-22	
4	BIHAR/BGCL	LILO of 400 KV PATNA-BALIA-4 AT NAUBATPUR(BGCL) (400KV-PATNA-NAUBATPUR(BH)-2)	25.452	QUAD Moose	17-Mar-22	
5	Sikkim	220KV-NEW MELLI-	18.8	ACSR	25-Mar-	

		TASHIDING-2		Zebra + ACSR Twin Moose	22
Bays of Line/ICT/Reactor associated System					
S.NO	Agency/Owner	Element Name	SUB-STATION	Voltage Level (kV)	DATE
1	PGCIL	220KV MAIN BAY OF 400KV/220KV 315 MVA ICT 1 AT PATRATU	PATRATU	220	3-Mar-22
2	BIHAR/BGCL	400KV MAIN BAY OF PATNA -1 AT NAUBATPUR(BH)	NAUBATPUR	400	17-Mar-22
3	BIHAR/BGCL	400KV MAIN BAY OF PATNA -2 AT NAUBATPUR(BH)	NAUBATPUR	400	17-Mar-22
4	BIHAR/BGCL	400KV MAIN BAY OF BALIA-1 AT NAUBATPUR(BH)	NAUBATPUR	400	17-Mar-22
5	BIHAR/BGCL	400KV TIE BAY OF BALIA-1 AND PATNA-2 AT NAUBATPUR(BH)	NAUBATPUR	400	17-Mar-22
6	BIHAR/BGCL	400KV MAIN BAY OF BALIA-2 AT NAUBATPUR(BH)	NAUBATPUR	400	17-Mar-22
7	BIHAR/BGCL	400KV MAIN BAY OF 500 MVA ICT-2 AT NAUBATPUR(BH)	NAUBATPUR	400	17-Mar-22
8	BIHAR/BGCL	400KV TIE BAY OF BALIA -2 AND 500 MVA ICT-2 AT NAUBATPUR(BH)	NAUBATPUR	400	17-Mar-22
9	OPTCL	220KV MAIN BAY OF 400KV/220KV 500 MVA ICT 1 AT MERAMUNDALIB	MERAMUNDALI-B	220	23-Mar-22
10	OPTCL	400KV MAIN BAY OF 400KV/220KV 500 MVA ICT 1 AT MERAMUNDALIB	MERAMUNDALI-B	400	28-Mar-22
BUS					
S.NO	Agency/Owner	Element Name	SUB-STATION	Voltage Level (kV)	DATE
1	BIHAR/BGCL	400KV MAIN BUS - 2 AT NAUBATPUR(BH)	NAUBATPUR	400	17-Mar-22
2	BIHAR/BGCL	400KV MAIN BUS - 1 AT NAUBATPUR(BH)	NAUBATPUR	400	17-Mar-22

Apr-22

NEW ELEMENTS COMMISSIONED DURING APRIL-2022
ICTs/ GTs / STs

SL. NO.	Agency/Owner	SUB-STATION	ICT NO	Voltage Level (kV)	CAPACITY (MVA)	DATE
1	PGCIL	FARAKKA(NTPC)	2	400/220	315	21-Apr-22
2	PGCIL	MUZAFFARPUR	4	400/220	500	5-Apr-22
3	BGCL/PGCIL	JAKKANPUR	1	400/220	500	20-Apr-22
TRANSMISSION LINES						
SL. NO.	Agency/Owner	LINE NAME	Length (KM)	Conductor Type	DATE	
1	BSPTCL	220KV-SAHARSA(PMTL)-KHAGARIA(NEW)-2	73.000	ACSR Zebra	11-Apr-22	
2	BGCL/PGCIL	220KV-ARRAH (PG)-NAUBATPUR(BH)-2	43.085	ACSR Zebra	28-Apr-22	
LILO/RE-ARRANGEMENT OF TRANSMISSION LINES						
SL. NO.	Agency/Owner	Line Name/LILO at	Length (KM)	Conductor Type	DATE	
1	BGCL/PGCIL	LILO of 400 KV PATNA-NABINAGAR(NPGC)-1 AT JAKKANPUR(BGCL) (400KV-JAKKANPUR(BH)-PATNA-1)	138.145	QUAD Moose	20-Apr-22	
2	BGCL/PGCIL	LILO of 400 KV PATNA-NABINAGAR(NPGC)-1 AT JAKKANPUR(BGCL) (400KV-NABINAGAR(NPGC)-JAKKANPUR(BH)-1)	18.548	QUAD Moose	21-Apr-22	
3	BGCL/PGCIL	LILO of 400 KV PATNA-NABINAGAR(NPGC)-2 AT JAKKANPUR(BGCL) (400KV-JAKKANPUR(BH)-PATNA-2)	138.145	QUAD Moose	21-Apr-22	
4	BGCL/PGCIL	LILO of 400 KV PATNA-NABINAGAR(NPGC)-2 AT JAKKANPUR(BGCL) (400KV-NABINAGAR(NPGC)-JAKKANPUR(BH)-2)	18.548	QUAD Moose	21-Apr-22	
5	ATL/PGCIL	LILO of 400 KV KISHANGANJ-DARBHANGA(DMTCL)-1 AT SAHARSA(PMTL) (400KV-SAHARSA-DARBHANGA (DMTCL)-1)	86.684	QUAD Moose	22-Apr-22	
6	ATL/PGCIL	LILO of 400 KV KISHANGANJ-DARBHANGA(DMTCL)-1 AT SAHARSA(PMTL) (400KV-SAHARSA-	158.677	QUAD Moose	26-Apr-22	

KISHANGANJ-3)					
7	ATL/PGCIL	LILO of 400 KV KISHANGANJ- DARBHANGA(DMTCL)-2 AT SAHARSA(PMTL) (400KV-SAHARSA- DARBHANGA (DMTCL)-2)	86.684	QUAD Moose	22-Apr-22
8	ATL/PGCIL	LILO of 400 KV KISHANGANJ- DARBHANGA(DMTCL)-1 AT SAHARSA(PMTL) (400KV-SAHARSA- KISHANGANJ-4)	158.677	QUAD Moose	26-Apr-22
9	PGCIL	220KV-RANGPO-NEW MELLI-2	25.800	HTLS	7-Apr-22

May-22

NEW ELEMENTS COMMISSIONED DURING JUNE-2022						
ICTs/ GTs / STs						
SL. NO.	Agency/Owner	SUB-STATION	ICT NO	Voltage Level (kV)	CAPACITY (MVA)	DATE
1	PMTL	MOTIHARI(DMTCL)	3	400/132	315	7-Jun-22
TRANSMISSION LINES						
SL. NO.	Agency/Owner	LINE NAME	Length (KM)	Conductor Type	DATE	
1	DVC	220KV-RANCHI-MTPS(DVC)-1	228.580	AAAC Zebra	22-Jun-22	
BAYS						
SL. NO.	Agency/Owner	Element Name	SUB-STATION	Voltage Level (kV)	DATE	
1	Odisha	400KV MAIN BAY OF MERAMUNDALI-A AT MERAMUNDALI B	MERAMUNDALI B	400	10-Jun-22	
2	Odisha	400KV MAIN BAY OF GMR-1 AT MERAMUNDALI B	MERAMUNDALI B	400	10-Jun-22	
3	Odisha	400KV MAIN BAY OF NEW DUBURI- 2 AT MERAMUNDALI B	MERAMUNDALI B	400	10-Jun-22	
4	Odisha	400KV MAIN BAY OF NEW DUBURI- 1 AT MERAMUNDALI B	MERAMUNDALI B	400	10-Jun-22	

5	Odisha	400KV MAIN BAY OF 400KV FUTURE LINE-7 AT MERAMUNDALI B	MERAMUNDALI B	400	10-Jun- 22
---	--------	--	------------------	-----	---------------

ERPC may note.

ITEM NO C. 15:	Scheduling of Chuzachen HEP and Tashiding HEP.
----------------	--

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 meters are used and for Tashiding net injection, New Melli(PG) and Rangpo(PG) end meters are 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 45th CCM Meeting, Tashiding representative submitted that no hearing has taken place in the petition filed by them before CERC. ERLDC representative informed that Sikkim SLDC has given NoC for scheduling of Chuzachen by ERLDC up to 31st March 2022. From FY 2022-23, Sikkim SLDC will do the scheduling of Chuzachen HEP.

Further, Sikkim has intimated vide NOC letter no 02/GEN/SLDC/2015-16/466 dated 23.05.2022 that scheduling may be done by ERLDC and the power be evacuated further to the Interstate Transmission System till the time SAMAST Framework is set up at SLDC, Sikkim. The letter is attached as **Annexure-C2**.

In 46th CCM, Tashiding representative informed that no hearing has taken place. Letter has already been addressed to CERC for early listing of the petition.

Chuzachen representative informed that hearing has taken place and they have discussed with Sikkim Power Department for scheduling.

ERLDC representative informed that Sikkim has intimated vide NOC letter no 02/GEN/SLDC/2015-16/466 dated 23.05.2022 that scheduling may be done by ERLDC and the power be evacuated

further to the Interstate Transmission System till the time SAMAST Framework is set up at SLDC, Sikkim.

The Commercial Sub-Committee advised Sikkim to implement the SAMAST framework at SLDC, Sikkim at the earliest.

TCC may note.

Deliberation in the 46th TCC meeting:

TCC noted.

ERPC may note.

ITEM NO C. 16:	Strengthening of Transmission and Distribution Network of DVC.
-----------------------	---

In 45th TCC meeting, DVC representative informed that the proposal for Renovation and Augmentation Schemes for transmission and Distribution Network of DVC was submitted to CEA and it was subsequently examined and found in order. They suggested following procedure for approval of the scheme:

A committee may be formed to study the scheme in detail and subsequently the same would be submitted to CTU for their observation. After receiving the CTU observation the same would be placed before TCC/ERPC for concurrence. After detailed deliberation in the 45th TCC meeting, it was decided that the proposal for Strengthening of Transmission and Distribution Network of DVC may be discussed in the planning sub-committee of ERPC.

Subsequently, the proposal of DVC was discussed in a special meeting held on 01.06.2022. The minutes of the meeting is enclosed at **Annexure-C3**.

The conclusion of the meeting is as follows:

“After detailed discussion, it was concluded that the proposal presented by DVC are generally in order with few observation/modification as given below:

1. Health assessment & necessary rectification of associated towers where the lines have exhausted their design life & reconductoring has been proposed.
2. LiLo of S/C of 132 kV CTPS-Gola B at Biada S/s instead of Lilo of D/c of 132 kV CTPS-Gola B line.
3. JUSNL may discuss with DVC regarding JBVNL load growth projection and completed/under execution transmission scheme in the common command area keeping in view optimal utilization of assets”

TCC may note.

Deliberation in the 46th TCC meeting:

TCC noted.

Agenda for 46th ERPC Meeting_06.08.2022

ERPC may note.

ITEM NO C. 17:	Payment/receipt status from various pool accounts in ER
----------------	---

A. RRAS Account ----Present Status.

The updated position of Payments to the RRAS Provider(s) from the DSM pool and Payments by the RRAS Provider(s) to the DSM pool as of 20.07.2022(considering bill up to 03.07.2022) is indicated in **Annexure – C4.1**. Total receivable by the pool is **₹34.14 Cr** and the total payable by the pool is **₹ 29.76 Cr** as of 20.07.2022 (considering bill up to 03.07.2022).

This is for information to the members.

Deliberation in the 46th TCC meeting:

TCC noted.

B. AGC Account ----Present Status.

The updated position of Payments to the AGC Provider(s) from the DSM pool and Payments by the AGC Provider(s) to the DSM pool as on 20.07.2022(considering bill up to 03.07.2022) is indicated in **Annexure – C4.1**. Total receivable by the pool is **₹29.45 Cr** and the total payable by the pool is **₹ 0.43 Cr** as of 20.07.2022 (considering bill up to 03.07.2022) .

This is for information to the members.

Deliberation in the 46th TCC meeting:

TCC noted.

C. Status of PSDF

An amount of total **₹ 15.91 Cr** from Reactive account (**4.91 Cr.**) & DSM Account (**11 Cr.**) has been transferred to PSDF after 46th Commercial sub-committee meeting held on 06.07.2022. With this the total amount of **₹ 1873.6 Cr** has been transferred to PSDF so far. The breakup details of fund transferred to PSDF (till 20.07.22) is enclosed in **Annexure C4.2**.

This is for information to the members.

Deliberation in the 46th TCC meeting:

TCC noted.

ITEM NO C. 18:	New Regulations of CEA/CERC
----------------	-----------------------------

1. Central Electricity Regulatory Commission (Ancillary Services) Regulations, 2022

CERC vide notification dated 31.01.2022 had issued Ancillary Service regulation'2022 and directed the Nodal Agency (NLDC) for preparing detailed procedure after stakeholders' consultation within a period of 3 months of notification of these regulations and submit the same for information to the Commission.

NLDC vide dated 24.05.2022 formulated a draft Detailed Procedure for Estimation of the Requirement of Secondary Reserve Ancillary Service (SRAS) and Tertiary Reserve Ancillary Service (TRAS) at Regional Level. NLDC organized workshop on 19th July 2022 through online mode on draft detail procedure on methodology for detailed procedure for estimation of reserves for ER beneficiaries. PPT attached at **Annexure-C5.1**

2. Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2022

CERC vide notification dated 14th March'2022 had issued Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2022 and These regulations shall come into force on such date as may be notified by the Commission separately.

3. Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022

CERC vide notification dated 07th June 2022 had issued the Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022.

These regulations shall come into force on such date as the Central Commission may notify. Provided that different dates may be appointed for commencement of different regulations.

ERPC secretariat organized workshop on GNA regulation' 2022 on 26th July'2022 for ER beneficiaries. PPT attached at **Annexure-C5.2**.

4. Draft CERC (Indian Electricity Grid Code) Regulation'2022

CERC vide notification dated 07.06.2022 had issued the Draft Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2022 and requested to furnish the comments/ suggestions/objections from the stakeholders and interested persons on the above Draft Regulations on or before 31st August'2022.

ERPC secretariat organized workshop on draft IEGC regulation' 2022 on 25th July'2022 for ER beneficiaries, interested organization may send their valuation comments on draft regulation to ERPC secretariat for onward submission to CERC on behalf of Eastern Region beneficiaries. PPT attached at **Annexure-C5.3**.

5. Draft CERC (Sharing of ISTS charges & losses) 1st Amendment Regulation'2022

CERC vide notification dated 11.06.2022 had circulated the Draft Central Electricity Regulatory Commission (Sharing of ISTS charges & losses) First Amendment Regulations, 2022 and

requested to furnish the comments/ suggestions/objections from the stakeholders and interested persons on the above Draft Regulations on or before 19th August'2022.

6. Draft CEA (Flexible operation of thermal power plant) Regulation'2022

CEA vide notification dated 07.07.2022 had circulated draft CEA (Flexible operation of thermal power plant) Regulation'2022 and requested to furnish comments by 26th August 2022.

7. Draft CEA Manual on Transmission Planning Criteria, 2022

CEA vide notification dated 16.06.2022 had circulated Draft CEA Manual on Transmission Planning Criteria, 2022 for optimal development of transmission system in the country and requested to furnish the comments/ suggestions/objections from the stakeholders (if any) on the draft Manual on Transmission Planning Criteria to CEA by 15th July 2022

8. Draft Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2022

CEA vide notification dated 10.06.2022 had circulated Draft Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2022 for public/stakeholders comments by 28th July, 2022.

9. Technical Specifications for Bird Flight Diverter (BFD) issued by SC Committee in consultation with Central Electricity Authority

10. NPC Division of CEA vide email dated 6thJuly, 2022 had circulated the finalized "Technical Specification (TS) of the 5/15 min Interface Energy Meters with Automatic Meter Reading system and Meter Data Processing system on Pan India basis."

Members may note for compliance.

Deliberation in the 46th TCC meeting:

TCC noted.

ERPC may note.

EASTERN REGIONAL POWER COMMITTEE



ERPC (CONDUCT OF BUSINESS RULES), 2022

ERPC (TECHNICAL CO-ORDINATION SUB-COMMITTEE) REGULATIONS, 2022

ERPC (OPERATION CO-ORDINATION SUB-COMMITTEE) REGULATIONS, 2022

ERPC (COMMERCIAL SUB-COMMITTEE) REGULATIONS, 2022

ERPC (PROTECTION SUB-COMMITTEE) REGULATIONS, 2022

**ERPC (TELECOMMUNICATION, SCADA AND TELEMETRY SUBCOMMITTEE)
REGULATIONS, 2022**

ERPC (TRANSMISSION PLANNING SUB-COMMITTEE REGULATIONS), 2022

ERPC (ESTABLISHMENT FUND) REGULATIONS, 2022

ERPC FUND REGULATIONS, 2022

KOLKATA

AUGUST 2022

CONTENTS

Sl. No.	Particulars	Page No.
ERPC (Conduct of Business) Rules, 2022		
CHAPTER-I		
1.	Short title and commencement	1
2.	Definitions	1-3
3.	Functions of ERPC	3-4
4.	Chairperson of ERPC	4-5
5.	Secretariat of ERPC	5-6
6.	Constituents' obligation to furnish data / information to the Secretariat of ERPC	6-7
7.	Website of ERPC	7
CHAPTER II		
8-11	Methodology to discharge the functions	8
CHAPTER-III		
Procedure for conducting ERPC meeting		
12.	Periodicity, place and date of ERPC meeting	9
13.	Hosting the ERPC meeting	9
14.	Re-scheduling / Cancellation of meeting	10
15.	Notice for the Committee meeting and agenda	10
16.	Effect of non-receipt of notice of meeting by a member	10
17.	Quorum of ERPC meeting	11
18.	Decision making and implementation	11
19.	Presiding Authority and the convener	11-12
20.	Recording of the minutes	12
21.	Confirmation of the minutes	12
CHAPTER-IV		
Composition and functions of sub-committee of ERPC		
22.	Constitution of Sub-Committee of ERPC	13
CHAPTER-V		
23-30	Expenditure of ERPC	14-15
31.	Member, member by rotation & contribution	15-16
32.	Members of ERPC by rotation	16
33.	Contribution	16-17
CHAPTER-VI		
34.	Reports by ERPC	18
CHAPTER-VII		
Miscellaneous		
35.	Saving of inherent Power of the ERPC	19
ANNEXURES		
	Functions & duties of ERPC Secretariat (Annexure-I)	20-23
	Regulations on hosting of ERPC Meetings (Annexure-II)	24-25
REGULATIONS		
	ERPC (Technical Co-ordination Sub-Committee) Regulations, 2022	26-30
	ERPC (Operation Co-ordination Sub-Committee) Regulations, 2022	31-33
	ERPC (Commercial Sub-Committee) Regulations, 2022	34-37
	ERPC (Protection Co-ordination Sub-Committee) Regulations, 2022	38-41
	ERPC (Telecommunication, SCADA and Telemetry Subcommittee) Regulations, 2022	42-45
	ERPC (Transmission Planning Sub-Committee Regulations),2022	46-48
	ERPC (Establishment Fund) Regulations, 2022	49-50
	ERPC Fund Regulations, 2022	51-52

Eastern Regional Power Committee

(Conduct of Business) Rules, 2022

CHAPTER-I GENERAL

[Dated: 06th August 2022]

1. Short title and commencement

- 1.1. Government of India, under the provision of Sub-Section 55 of Section 2 of the Electricity Act 2003 vide Resolution F.No. 23/21/2021-R&R dated 03rd December'2021 and subsequent Corrigendum dated 17th December'2021 published in the Gazette of India (herein after referred to as 'GoI Resolution', attached at Annexure-A) has established the Eastern Regional Power Committee (hereinafter referred to as 'ERPC') comprising of States of West Bengal, Bihar, Orissa, Jharkhand and Sikkim for facilitating the integrated operation of the power systems in the Region.
- 1.2. Drawing powers from the para (9) of the aforesaid GoI Resolution, the ERPC hereby makes the following rules called "Eastern Regional Power Committee (Conduct of Business) Rules,2022" (hereinafter referred to as 'CBR').
- 1.3. These rules shall come into force from the date of its approval by the ERPC and shall remain in force unless otherwise modified and shall supersede "Eastern Regional Power Committee (Conduct of Business) Rules, 2011".

2. Definitions:

- 2.1 In these Rules unless the context otherwise requires:
 - a) 'Act' means the Electricity Act, 2003.
 - b) 'Agenda' means the list of business items proposed to be transacted at a meeting of the Committee or Sub-Committee.
 - c) 'Authority' means Central Electricity Authority (CEA)

- d) 'CBR' means 'Eastern Regional Power Committee (Conduct of Business) Rules, 2022'
- e) 'Commercial Sub-Committee (CC)' means a sub-committee constituted by the ERPC to consider commercial related issues.
- f) 'Commission' means the Central Electricity Regulatory Commission (CERC).
- g) 'Committee' means the Eastern Regional Power Committee (ERPC) constituted by the Central Government under Sub-Section (55) of Section 2 of the Act.
- h) 'CTU' means Central Transmission Utility.
- i) 'ERLDC' means Eastern Regional Load Despatch Centre.
- j) 'IEGC' means the Indian Electricity Grid Code regulations by CERC.
- k) 'Meeting' means a meeting of the Committee or Sub-Committee convened by the Head of the Secretariat or any member authorized to convene a meeting in the absence of the Head of Secretariat.
- l) 'Member' means the member of the ERPC as per GoI Resolution.
- m) 'NCT' means National Committee on Transmission
- n) 'NLDC' means National Load Despatch Centre.
- o) "Non Regular Member" means members who are participating in the meetings of ERPC paying Participation fees.
- p) 'NPC' means National Power Committee constituted by MoP, GoI to resolve the issues among RPCs.
- q) 'Operation Coordination Sub-Committee (OCC)' means a sub-committee constituted by the ERPC to consider all issues related to operation of the regional grid.
- r) 'POSOCO' means Power System Operation Corporation Limited.
- s) 'Protection Sub-Committee (PC)' means a sub-committee constituted by the ERPC to consider all power system protection related issues.
- t) 'Sub-Committee' means the sub-committee constituted by ERPC to guide and assist it in conducting the functions assigned to it.
- u) 'System Study Sub-Committee' means a sub-committee constituted by ERPC to carry out the system studies.

- v) ‘Technical Coordination Sub-Committee (TCC)’ means a sub-committee constituted by the ERPC to assist the ERPC on all technical, commercial and other matters.
- w) ‘TeST Sub-Committee’ means a sub-committee constituted by ERPC to consider all issues related to Telecommunication, SCADA and Telemetry.
- x) “Transmission Planning Sub-Committee” means a sub-committee constituted by ERPC to study and give suggestions on the intra-state transmission planning proposals submitted by the state transmission utilities including DVC.
- y) “Year” means a financial year.

2.2 The words and expression used and not defined in these Rules shall be construed as having the same meaning as defined in the Act.

3. Functions of ERPC

3.1 Clause 29 (4) of the Act provides that “the Regional Power Committee in the region may, from time to time; agree on matters concerning the stability and smooth operation of the integrated grid and economy and efficiency in the operation of the power system in that region.”

3.2 As per Clause-6 of the MoP Resolution dated 3rd December 2021 ERPC shall carry out following functions:

- (1) To undertake Regional Level operation analysis for improving grid performance.
- (2) To facilitate inter-state/inter-regional transfer of power.
- (3) To facilitate all functions of planning relating to inter-state/intra state transmission system with CTU / STU.
 - (3A) To provide views on the inter-state transmission system planned by CTU within 45 days of the receipt of the proposal by the concerned RPC. The views of RPC will be considered by National Committee on Transmission for sending their recommendation to Ministry of Power for approval of new inter-state transmission system.

- (4) To coordinate planning of maintenance of generating machines of various generating companies of the region including those of inter- state generating companies supplying electricity to the Region on annual basis and also to undertake review of maintenance programme on monthly basis.
- (5) To undertake planning of outage of transmission system on monthly basis.
- (6) To undertake operational planning studies including protection studies for stable operation of the grid.
- (7) To undertake planning for maintaining proper voltage through review of reactive compensation requirement through system study committee and monitoring of installed capacitors.
- (8) To evolve consensus on all issues relating to economy and efficiency in the operation of power system in the region.

3.3 ERPC shall discharge the functions envisaged in Regulations, IEGC and orders of CERC, CEA Regulations, Orders of MoP, GoI Resolution issued from time to time.

3.4 ERPC may decide any function for itself, from time to time.

4. Chairperson of ERPC

4.1 Para (4) of the GoI Resolution provides:

“Chairperson of the ERPC would represent the States of the region by rotation in alphabetical order. Members of the ERPC from the particular State would nominate the Chairperson of ERPC from amongst themselves. The term of the Chairperson would be for a period of one year.”

4.2 In the last ERPC meeting of each year, the members of the ERPC belonging to the concerned State shall nominate the Chairperson of the ERPC for the ensuing year, who shall take over the charge w.e.f. 1st April.

4.3 In the event, Chairperson ceases to be a member of the ERPC, and he/she is from a particular State having two or more members, members of ERPC from that State

shall consult each other and communicate their nomination for Chairperson of ERPC.

4.4 As per MoP order No. A-60016/59/2005 Adm-I dated 23.02.2006, Member Secretary, ERPC will be under the administrative and financial control of the Chairperson, ERPC.

4.5 The Chairperson, ERPC shall preside over the ERPC meeting.

5. Secretariat of ERPC

5.1 Clause-8 of MoP Resolution dated 3rd December 2021 specifies that:

“The Committee shall have a Secretariat of its own which will be headed by the Member Secretary of the Committee. The Member Secretary as well as other staff for the Secretariat shall be provided by the Central Electricity Authority in the manner as was being provided to the erstwhile Eastern Regional Electricity Board.”

5.2 The Secretariat shall be the nodal point for all communications with ERPC.

5.3 The Secretariat shall assist ERPC for discharging all the functions of ERPC.

5.4 The Secretariat shall also discharge functions assigned to it by MoP, CEA and CERC.

5.5 The detailed functions and duties of the Secretariat are appended at Annexure-I.

5.6 Manpower

5.6.1 As per GoI Resolution, "The Committee shall have a secretariat of its own which will be headed by the Member Secretary of the Committee. The Member Secretary as well as other staff for the secretariat shall be provided by the Central Electricity Authority in the manner as was being provided to the erstwhile Eastern Regional Electricity Board”.

- 5.6.2 However, in order to help discharge the duties of ERPC Secretariat, as and when required, officers from State Utilities of ER may be deputed to ERPC Secretariat on loan basis with consent of ERPC Forum.
- 5.6.3 However, in order to help discharge the duties of ERPC Secretariat, as and when required, Group “C” officials may be outsourced with consent of ERPC Forum.
- 5.6.4 Member Secretary is also empowered to hire services of personnel as and when required on short-term basis. The same shall be vetted by ERPC Forum in due course.
- 5.6.5 ERPC may hire experts or consultants for specific assignments. For this purpose, ERPC shall make regulation determining the terms and conditions.

6. Constituents’ obligation to furnish data / information to the Secretariat of ERPC

6.1 As per CEA Regulations Grid Standard 2010, clause (15)

- (a) All real time operational data as required by the Appropriate Load Despatch Center shall be furnished by the Entities.
- (b) All data required by Regional Power Committee, in discharge of the responsibilities assigned to it, shall be furnished by Regional Load Despatch Centre (RLDC).
- (c) All operational data, including disturbance recorder and event logger reports, for analyzing the grid incidents and grid disturbance and any other data which in its view can be of help for analyzing grid incident or grid disturbance shall be furnished by all the Entities within twenty-four hours to the Regional Load Despatch Centre and concerned Regional Power Committee.
- (d) All equipment such as disturbance recorders and event loggers shall be kept in healthy condition, so that under no condition such important data is lost.
- (e) A real time operation display of the grid position shall also be made available to the Regional Power Committee by Regional Load Dispatch Centre.

(f) Regional Load Dispatch Centre shall classify the grid incidents and grid disturbances according to regulation 11, analyse them and furnish periodic reports of grid incidents and grid disturbances to the Regional Power Committee which shall recommend remedial measures to be taken on the Report of Regional Load Despatch Centre to prevent recurrences of such grid incidents and grid disturbances.

6.2 The constituents of the region shall make available to the Secretariat all the data / information required by the Secretariat to discharge all its functions or to carry out any other responsibility/function assigned to it by the Authority/Commission/Committee

7. Website of ERPC

The ERPC website shall be maintained by ERPC Secretariat.

CHAPTER - II

METHODOLOGY TO DISCHARGE THE FUNCTIONS

- 8.** All decisions shall be taken during a meeting of the constituent members called ‘ERPC Meeting’. All decisions of ERPC shall be by consensus. Chapter-III deals with the procedure for conducting ERPC Meeting as well as all other Sub-Committee meetings of ERPC.

- 9.** Para (10) of GoI Resolution dated 03.12.2021 and subsequent Corrigendum dated 17.12.2021 provides:

“The Committee may constitute its Sub-Committees, Task Forces, Ad-hoc Committees and Standing Committees, as deemed necessary for efficient functioning. It may also set up, if required, Groups/ Committees of eminent experts to advise it on issues of specific nature. The level of the representative to the Sub-Committees etc. would depend on the nature of the issue concerned.”

- 10.** Wherever a Sub-Committee is constituted to discharge the functions of ERPC on a regular basis, ERPC shall constitute such sub-committee(s) by making a separate regulation.

- 11.** Wherever, Sub-Committees, Task Forces, Ad-hoc Committees and Standing Committees or Committee, Groups/ Committees of eminent experts is constituted to discharge a one-time job; ERPC or Sub-Committee constituted by it, shall constitute it through a resolution passed respectively in ERPC meeting or Sub-Committee meeting.

CHAPTER-III

PROCEDURE FOR CONDUCTING ERPC MEETING

12. Periodicity, Place and date of ERPC Meeting

- 12.1 The ERPC shall meet at least once in a month, as per Clause-11 of MoP Resolution dated 3rd December 2021 and subsequent Corrigendum dated 17.12.2021.
- 12.2 Member Secretary, ERPC on its own or a matter referred by CEA/GOI or on a matter proposed by any constituents may convene a meeting on short notice on any urgent matter in consultation with The decision of Member Secretary and Chairperson with regard to degree of urgency shall be binding on all parties concerned.
- 12.3 The date of the meeting will be decided by Member Secretary, ERPC in consultation with Chairperson, ERPC as well as the host organisation. The place will be decided by Member Secretary, ERPC in consultation with the host organisation.
- 12.4 In case the situations are not conducive for physical meetings, the meetings may be conducted through Video Conferencing or Hybrid mode(physically as well as virtually).

13. Hosting the ERPC meeting

- 13.1 Meeting will be hosted by member organizations as per the roster finalized by ERPC. The host member organisation shall incur its expenditure
- 13.2 ERPC shall determine the terms and procedure for maintaining the roster. The regulations on hosting of ERPC meetings are appended at Annexure-II.

14. Re-scheduling / Cancellation of Meeting

14.1 If a meeting is required to be rescheduled or cancelled, the same shall be intimated to the members at the earliest by telephone/ e-mail and also posted on ERPC Website.

15. Notice for the Committee meeting and Agenda

15.1 Notice for the Committee meeting shall be issued by Member Secretary, ERPC at least three weeks in advance in consultation with Chairperson, ERPC. For urgent meeting (refer 12.2) notice of one week may be given.

15.2 Agenda for Committee meeting shall be put up after discussions in TCC. Every constituent should ensure that it places its agenda item in time. For agenda of TCC meeting, refer the related regulations.

15.3 Agenda pertaining to ERPC Secretariat shall be placed directly before the Committee.

15.4 Member Secretary, ERPC may also put any agenda involving urgent matter/ policy issue directly before the Committee in consultation with Chairperson, ERPC.

15.5 Normally, ERPC shall meet to discuss the agenda related to transmission planning submitted by CTU on monthly basis. Discussions other than those related to transmission planning shall generally be put up after discussions in Technical Coordination Sub-Committee (TCC)

16. Effect of Non-receipt of Notice of Meeting by a Member

16.1 The non-receipt of notice by any member of ERPC or Sub-Committees shall not invalidate the proceeding of the meeting or any decision taken in the meeting.

17. Quorum of ERPC Meeting

17.1 The Quorum of the meeting shall be 50% of its members or the person authorized by the member.

17.2 Only members of ERPC accompanied by not more than two representatives of concerned organization shall participate in the meeting. Additional representatives may participate with prior permission of the Member Secretary.

17.3 Special Invitees by Member Secretary may also attend the meeting

18. Decision making and implementation

18.1 All decisions shall be taken during a meeting of the constituent members called 'ERPC Meeting'. All decisions of ERPC shall be by consensus.

18.2 As per Clause-7 of MoP Resolution dated 3rd December 2021 and subsequent Corrigendum dated 17.12.2021, the decision of the ERPC arrived at for Operation of the Regional Grid and Scheduling and dispatch of Electricity shall be followed by Eastern Regional Load Despatch Centre (ERLDC) subject to the directions of regulations of the Central Commission, if any.

18.3 Each constituent shall follow the decision of ERPC and convey to the ERPC Secretariat the follow up action taken on the decision(s) taken in the previous meeting(s). ERPC Secretariat shall compile the follow up action on the decision(s) and place it before the ERPC. Follow up action shall be omitted for those decisions which have been completely implemented.

19. Presiding Authority and the Convener

19.1 The Chairperson, ERPC shall preside over the meeting of ERPC.

19.2 The Member Secretary, ERPC shall convene the meeting.

19.3 If the Chairperson is unable to be present at the meeting for any reason, ex-Chairperson of the previous year shall preside over the meeting. If ex-Chairperson is not present, then the ERPC members from State Utilities may decide among themselves who will preside over the meeting.

19.4 If the Member Secretary is unable to be present at the meeting for any reason, the next senior most officer of the ERPC Secretariat shall convene the meeting.

20. Recording and finalization of the minutes

20.1 The host organisation shall get the proceedings of the meeting electronically recorded and handover its copy to the Secretariat. The Secretariat shall keep it as record until the minutes of the meeting get confirmed.

20.2 The minutes of the meeting shall be finalized after due approval of Chairperson, ERPC and circulated to all its members by ERPC Secretariat within 15 working days from the date of this meeting. The minutes shall also be posted on the website of ERPC.

21. Confirmation of the Minutes

Minutes of the ERPC meeting shall be placed in the next meeting for getting confirmed. In case of minutes pertaining to urgent matters, it may be got confirmed by circulation among the members.

CHAPTER-IV

COMPOSITION AND FUNCTIONS OF SUB-COMMITTEE OF ERPC

22. Constitution of Sub-Committee of ERPC

22.1 Following Sub-Committees have been constituted by ERPC to assist it in conducting the functions assigned to it in their respective Regulations:

22.1.1 Technical Co-ordination Sub-Committee (TCC)

22.1.2 Operation Co-ordination Sub-Committee (OCC)

22.1.3 Commercial Sub-Committee (CC)

22.1.4 Protection Co-ordination Sub-Committee (PCC)

22.1.5 Telecommunication, SCADA & Telemetry Sub-Committee (TeST)

22.1.6 Transmission Planning Sub-Committee (TPC)

22.2 Each Sub-Committee shall make a regulation for the procedure for conducting its meetings and get it approved from ERPC. Each Sub-Committee may amend its procedure as and when it requires and get the amendment approved from ERPC.

22.3 Any of these sub-committees can be discontinued through a Resolution of ERPC.

22.4 ERPC may constitute any other sub-committee that it may deem fit through its Resolution.

22.5 TCC Meeting shall be hosted by member organization as per the roster finalized for ERPC meeting. Special TCC meeting, if any, shall be hosted separately by ERPC Secretariat.

CHAPTER-V

EXPENDITURE OF ERPC

23. MoP communication to CEA vide letter no. A-60016/59/2005 Adm-I dated 23rd February 2006 stipulates “The activities of the Regional Power Committees (RPCs) will be fully financed by the constituent Members with effect from 01.04.2006 and the Central Electricity Authority will take immediate steps in this regard.”
24. MoP communication to CEA vide letter no. F.No.6/10/90-Trans dated 3rd April 2006 stipulates “For a transition period of six months the establishment expenditure of RPC would be met out of the budget of the CEA and the same will be reimbursed by the constituent members of the RPCs. Meanwhile, the constituents of RPCs will finalise the share of expenditure to be borne by the constituents of RPCs so that the RPCs become self-financing. The expenditure meted out from the budget and contribution of share by the constituent members will be reviewed by the Ministry of Power, every quarter.”

Unquote (for para 23 & 24): All activities to be self-financed. All expenditures met out of the Central budget shall be reimbursed by the constituent members of ERPC. Any other Establishment related expenditure shall be financed by constituent members of ERPC.

25. For the purpose of reimbursement of expenditures met out of Central Budget to the consolidated fund of GoI, and all other Establishment related expenditure a fund named “ERPC ESTABLISHMENT FUND” has been created and is being maintained by ERPC. Out of this fund, a cheque shall be issued and got deposited to the consolidated fund of GoI for an amount equal to the quarterly bill amount, within the period specified on the bill.
26. As and when CEA/Central Government discontinue the practice of first spending from central budget and getting reimbursement, the all the establishment related expenditure of the ERPC Secretariat shall be met out of “ERPC Establishment Fund”.
27. ERPC shall make regulations on “ERPC Establishment Fund”.

28. The expenses related to ERPC meeting shall be borne by each constituent in respect of the meeting hosted by it (on the basis of roster on its turn).
29. Expenses related to sub-committee meetings and any other meetings/workshops/seminar hosted by ERPC Secretariat shall be met out of the fund named “ERPC FUND”, which shall be maintained by ERPC for this purpose. ERPC shall make regulations on “ERPC Fund”.
30. Expenses related to activities as a consequence of functions entrusted under IEGC, other regulations / orders of CERC/MoP/CEA shall be met out of the “ERPC Fund” mentioned in para-(29) above.

MEMBER, MEMBER BY ROTATION & CONTRIBUTION

31. Members of ERPC

GoI Resolution dated 03.12.2021 provides for permanent membership and membership of one year by rotation. As per the GoI Resolution the following organisations shall be permanent member of ERPC:

- (i) Member (Grid Operation & Distribution), Central Electricity Authority (CEA).
- (ii) One representative each of Central Generating Companies, Central Transmission Utility (CTU), Central Government owned Transmission Company, National Load Despatch Centre (NLDC) and the Eastern Regional Load Despatch Centre (ERLDC).
- (iii) From each of the States in the region, the State Generating Company, State Transmission Utility (STU), State Load Despatch Centre (SLDC), one of the State owned distribution companies as nominated by the State Government.
- (iv) A representative each of every generating company (other than central generating companies or State Government owned generating companies) having more than 1000 MW installed capacity in the region.

- (v) A representative each of every Nodal Agency appointed by the Government of India for coordinating cross-border power transactions with the countries having electrical inter-connection with the region.
- (vi) Member Secretary, ERPC – Convenor

The representative from respective organizations should be either the head of the organization or at least a person not below the rank of a Director on the Board of the company / corporate entity except for Central Public Sector Undertaking (CPSUs) where representative could also be at the level of Executive Director.

32. Members of ERPC by rotation

The GoI Resolution also provides for membership of ERPC by rotation. The following organizations shall be member of ERPC by rotation for a period of one year.

- (i) One distribution company by alphabetical rotation out of the private distribution companies functioning in the region.
- (ii) A representative of the generating companies having power plants in the region [not covered in para 3(ii) to 3(iv) of GoI] by alphabetical rotation.
A representative of one private transmission licensee, nominated by Central Government, operating the Inter State Transmission System, by alphabetical rotation out of such Transmission Licensee operating in the region.
- (iii) One member representing the electricity traders in the region by alphabetical rotation, which have trading volume of more than 500 million units during the previous financial year.

Wherever a member is represented by rotation, the nomination would be for a period of one year. The level of representation shall be same as is applicable for permanent members.

33. Contribution

- (i) All members except CEA, NLDC, CTU and ERLDC shall contribute to ‘ERPC Establishment Fund’, ‘ERPC Fund’ and any other fund created by ERPC as per the regulations of respective funds.

- (ii) Contributions to the funds for the following year shall be decided by ERPC in its last meeting of the financial year and this decision shall be communicated to all members by ERPC Secretariat.
- (iii) All members shall send their contributions in one installment to the ERPC Secretariat within 30 days from the date of communication by ERPC Secretariat failing of which may attract penalty
- (iv) All contributions shall be made through any electronic mode.
- (v) The contribution of the constituents shall be kept in funds as 'Trustee' until the money is spent for the purpose.
- (vi) ERPC shall decide on the deployment of surplus funds from time to time. For this purpose ERPC shall constitute a group of at least three experts in the field of finance and audit from the constituents.
- (vii) As per the decision of 33rd ERPC Meeting, Contribution by non-regular member organizations shall be decided by ERPC in its last meeting of the financial year and this decision shall be communicated to all members by ERPC Secretariat.

CHAPTER-VI
REPORTS BY ERPC
SECRETARIAT

34. The following reports shall be prepared and circulated.

Sl. No	Name of the report	Periodicity
1	Monthly Progress Report of Eastern Regional Grid/Operational Data	Monthly
2	Annual Report of ERPC	Annual
3.	Regional Load Generation Balance Reports	Annual + Mid-term
5.	Major Grid incident report	As and when required

CHAPTER-VII

MISCELLANEOUS

35. Saving of inherent Power of the ERPC.

- (a) Nothing in these Rules shall bar the ERPC from adopting in conformity with the Act a procedure that is at variance with provisions in these Rules, if the ERPC in view of the special circumstances of a matter or class of matters deem it necessary or expedient to deal with such a matter or class of matters.
- (b) Nothing in these Rules shall expressly or by implication, bar the ERPC to deal with any matter or exercise any power under the Act for which no Rules have been framed and ERPC may deal with such matters and functions in a manner it thinks fit.

FUNCTIONS & DUTIES OF ERPC SECRETARIAT

1. The Secretariat shall perform the following duties namely:

- (i) Keep custody of records of proceedings of the Committee, Sub-Committees, Task Force and Working Groups of the ERPC.
- (ii) Prepare agenda for the Committee and Sub-Committee meetings.
- (iii) Prepare minutes of Committee and Sub-Committee meetings.
- (iv) Monitor follow-up action on the decision taken in the Committee & Sub-Committee meeting.
- (v) Maintain archive of data and information pertaining to operating parameters, protection system and communication system of the regional power system.
- (vi) Collect from the constituent members or other offices, companies, firms or any other party as may be directed by Committee, such information as may be considered useful in the efficient discharge of functions of the Committee under the Resolution and place the information before the Committee and its Sub-Committees.

2. The duties and responsibility envisaged under Indian Electricity Grid Code Regulations (IEGC), other Regulations/Orders of MoP, CEA, CERC Regulations, ERPC Resolutions, GoI Resolution from time to time shall be carried out by the ERPC Secretariat.

3. The functions envisaged for ERPC Secretariat in IEGC Regulations 2010 and subsequent amendments are given below:

- (i) **Compliance Oversight:** The RPC in the region shall also continuously monitor the instances of non-compliance of the provisions of IEGC and try to sort out all operational issues and deliberate on the ways in which such cases of non-compliance are prevented in future by building consensus. The Member Secretary RPC may also report any issue that cannot be sorted out at the RPC forum to the Commission. The RPC shall also file monthly reports on

- a. Status of UI payment

b. Installation of capacitors by states vis-à-vis the requirement/targets, as decided in the RPC.

- (ii) **Reactive Power Compensation:** The person already connected to the grid shall also provide additional reactive compensation as per the quantum and time frame decided by respective RPC in consultation with RLDC. The Users and STUs shall provide information to RPC and RLDC regarding the installation and healthiness of the reactive compensation equipment on regular basis. RPC shall regularly monitor the status in this regard.

- (iii) **System Security Aspects:** Any prolonged outage of power system elements of any User/CTU/STU, which is causing or likely to cause danger to the grid or sub-optimal operation of the grid, shall regularly be monitored by RLDC. RLDC shall report such outages to RPC. RPC shall finalize action plan and give instructions to restore such elements in a specified time period.

- (iv) **Power System Stabilizer:** Power System Stabilizers (PSS) in AVR's of generating units (wherever provided), shall be got properly tuned by the respective generating unit owner as per a plan prepared for the purpose by the CTU/RPC from time to time.
CTU /RPC will be allowed to carry out checking of PSS and further tuning it, wherever considered necessary.

- (v) **Automatic Under Frequency Relay and df/dt relay:** RPC shall decide and intimate the action required by SEB, distribution licensee and STUs to get required load relief from Under Frequency and Df/Dt relays. All SEB, distribution licensee and STUs shall abide by these decisions.

RLDC shall keep a comparative record of expected load relief and actual load relief obtained in Real time system operation. A monthly report on expected load relief vis-a- vis actual load relief shall be sent to the RPC and the CERC.

RLDC shall inform RPC Secretariat about instances when the desired load relief is not obtained through these relays in real time operation.

SLDC shall furnish monthly report of UFR and df/dt relay operation in their respective system to the respective RPC.

RPC Secretariat shall carry out periodic inspection of the underfrequency relays and maintain proper records of the inspection.

- (vi) **System Protection Schemes (SPS):** Such schemes would be finalized by the concerned RPC forum and shall always be kept in service.
- (vii) **Voltage Control Measures:** All Users, CTU and STUs shall provide adequate voltage control measures through voltage relay as finalized by RPC, to prevent voltage collapse.
- (viii) **Procedure for Operational Liaison:** Forced outages of important network elements in the grid shall be closely monitored at the RPC level.

RPC shall send a monthly report of prolonged outage of generators or transmission facilities to the Commission.

- (ix) **Outage Planning Process:** The RPC Secretariat shall be primarily responsible for finalization of the annual outage plan for the following financial year by 31st January of each year.

All SEBs/STUs, transmission licensees, CTU, ISGS IPPs, MPPs and other generating stations shall provide RPC Secretariat their proposed outage programme in writing for the next financial year by 30th November of each year.

RPCs shall submit quarterly, half-yearly reports to the Commission indicating deviation in outages from the plan along with reasons. These reports shall also be put up on the RPC website.

- (x) **Demarcation of responsibilities:** RLDC shall periodically review the actual deviation from the dispatch and net drawal schedules being issued, to check whether any of the regional entities are indulging in unfair gaming or collusion.

In case any such practice is detected, the matter shall be reported to the Member Secretary, RPC for further investigation/action.

- (xi) **Preparation of various Accounts :** RPC Secretariat or any other person as notified by the Commission from time to time, shall prepare monthly Regional Energy Account, Regional Transmission Account, Regional Transmission Deviation Account, Compensation account, Ramping certificate, DC certificate, Security Constraint Economic Despatch account, weekly Deviation Settlement Mechanism account, ancillary services accounts, Reactive Energy account, URS Account and congestion charge account, based on data provided by RLDC/NLDC/ISGS and renewable regulatory charge account based on data provided by SLDC/ RLDC of the State/ Region in which wind generator is located and any other charges specified by the Commission for the purpose of billing and payments of various charges.

- (xii) **Transmission System Availability Certificate:** Member Secretary, ERPC shall certify transmission system availability factor for regional AC and HVDC transmission systems separately for the purpose of payment of transmission charges.

REGULATIONS ON HOSTING OF ERPC MEETINGS

1. As per Clause-11 of MoP Resolution dated 3rd December 2021 and subsequent Corrigendum dated 17.12.2021, ERPC shall meet at least once in a month.
2. Members of ERPC who are members by rotation for a year as per GoI Resolution will not be required to host ERPC meeting [e.g. Member-Trader, Member-IPP (≤ 1000 MW installed capacity) and Member-Private-DISCOM].
3. The roster for hosting the ERPC meetings shall be in the order as was decided in the 1st meeting of ERPC.

Final host for a meeting will be decided by Member Secretary, ERPC in consultation with Chairperson, ERPC and shall be announced at the previous meeting. However, Member Secretary, ERPC is empowered to swap the order between two consecutive parties in the list.

The roster is as under:

Sl. No.	Host Organization
1.	West Bengal
2.	DVC
3.	NHPC
4.	Power Grid
5.	Sikkim
6.	PTC
7.	Orissa
8.	Jharkhand
9.	Bihar
10.	NTPC
11.	CESC
12.	APNRL
13.	MPL
14.	JITPL
15.	GMRKEL
16.	TPTCL
17.	Teesta Urja Limited
18.	BRBCL
19.	NPGC

4. When the turn for hosting ERPC meeting comes to a State as per above roster, existing members of ERPC from that State (excluding IPPs in the State) shall decide amongst themselves as to who will host the meeting or whether the meeting will be hosted jointly by all members from that State or a group of members.
5. The host organisation shall communicate to the Secretariat about venue, nodal officer, contact telephone no, e-mail id etc.
6. The name of new member of ERPC will be appended to the roster.

Eastern Regional Power Committee
(Technical Co-ordination Sub-Committee) Regulations 2022

[Dated: 6th August 2022]

General

Drawing powers from the para (10) of the GoI Resolution dated 03.12.2021 and subsequent Corrigendum dated 17.12.2021, ERPC hereby makes the following Sub-Committee called “**Technical Co-ordination Sub-Committee**” (hereinafter referred to as ‘**TCC**’).

1. Functions of TCC:

TCC shall consider issues referred to it by the

- (a) Operation Co-ordination Sub-Committee
- (b) Commercial Sub-Committee
- (c) Protection Co-ordination Sub-Committee
- (d) Telecommunication, SCADA & Telemetry Sub-Committee (TeST)
- (e) Transmission Planning Sub-Committee (TPC)
- (f) Other groups/committees/task force constituted by ERPC
- (g) Agenda points proposed by the constituents concerning operation of regional grid, commercial aspects, inter-state/inter- regional transfer of power, grid stability etc. leading to economy and efficiency in the operation of power system in the region.

TCC shall consider the matters/issues referred to it by CTU on transmission planning of Eastern Region.

TCC shall also consider the matters/issues referred to it by ERPC.

TCC shall assist to implement the decision of the ERPC and provide guidance on formulation of policy matters on regional grid operation, grid security and commercial matters.

2. Composition of TCC:

- 2.1 TCC shall comprise of one technical person from each of the ERPC member organizations.

- 2.2 The TCC members shall be at the level of Member/ Director in State Utilities, and Executive Director/ General Manager in CPSUs, Technical Head of Distribution Company/ Traders/ IPPs, Heads of NLDC & ERLDC, Chief Engineer of CEA and Member Secretary of ERPC.
- 2.3 Chairperson of TCC shall be nominated by Chairperson, ERPC and shall be from the State, the Chairperson, ERPC represents, for a period concurrent with his/her tenure.
- 2.4 In the event Chairperson, TCC ceases to be a member of TCC, then Chairperson, ERPC will nominate a new Chairperson.
- 2.5 In the event of change in the Chairperson, ERPC during a year, the incumbent Chairperson, TCC shall continue.

PROCEDURE FOR CONDUCTING TCC MEETING

3. Periodicity and date of TCC Meeting

- 3.1 TCC shall normally meet a day before the ERPC meeting.
- 3.2 TCC may meet separately also as and when needed to address urgent matter which shall be called a special TCC meeting.
- 3.3 The date of Special TCC meeting will be decided by Member Secretary, ERPC in consultation with Chairperson, TCC.

4. Hosting the TCC meeting

TCC Meeting will be hosted by member organization as per the roster finalized for ERPC meeting. Special TCC meeting shall be hosted by ERPC Secretariat.

5. Re-scheduling / Cancellation of Meeting

If a meeting is required to be cancelled or rescheduled, the same shall be intimated to the members at the earliest by telephone / e-mail and also posted on ERPC website.

6. Notice for the Committee meeting and Agenda

- 6.1 Notice for the TCC meeting shall be issued by Member Secretary, ERPC at least three weeks in advance. Member Secretary, ERPC may convene a Special TCC meeting on short notice on any urgent matter in consultation with Chairperson, TCC.
- 6.2 Agenda for TCC meeting shall include issues referred to it by various sub-committees, other groups/committees/task force constituted by ERPC, agenda points proposed by constituents, matters/issues referred by CTU.
- 6.3 Notice may also be issued to non-regular Member organizations of ER to participate in the TCC meeting.
- 6.4 The agenda points proposed by the constituents for the meeting should reach ERPC Secretariat at least 15 days in advance of the meeting.
- 6.5 The Member Secretary, ERPC shall finalize the agenda in consultation with Chairperson, TCC and get it posted on the ERPC Website at least 7 days in advance and shall also circulate the agenda to all of its members. Agenda submitted beyond cut-off time as specified shall be posed to Chairperson, TCC for his/her permission. If permitted, it shall be taken up as additional agenda. Agenda submitted after the commencement of the meeting shall not be permitted.
- 6.6 Member Secretary, ERPC may also put any agenda involving urgent matter/policy issue directly in consultation with Chairperson, TCC.

7. Effect of Non-receipt of Notice of Meeting by a Member

The non-receipt of notice by any member of TCC or Sub-Committees shall not invalidate the proceeding of the meeting or any decision taken in the meeting.

8. Quorum of TCC Meeting

The Quorum of the meeting shall be 50% of its members or the persons authorized by the members.

9. Decision making and implementation

9.1 All decisions in the TCC shall be taken by consensus. TCC shall decide whether its recommendations will be placed before ERPC for approval or information or refer its decisions to sub-committee(s) for implementation.

9.2 ERLDC shall follow the decision of the TCC concerning scheduling, despatch and operation of the regional grid, provided it is consistent with CERC Regulations/orders.

9.3 Each constituent must ensure the implementation of decision taken in the meeting.

9.4 Each constituent should furnish its “action taken report” on the decision taken by TCC in its next meeting as also in subsequent meeting(s) as per requirement.

10. Presiding Authority and the Convener

10.1 The Chairperson, TCC shall preside over the meeting.

10.2 Member Secretary, ERPC shall be the Co-Chairperson of TCC.

10.3 Superintending Engineer, ERPC shall be the convener of the meeting.

10.4 If the Chairperson is unable to be present at the meeting for any reason, Co-Chairperson of TCC shall preside over the meeting. If Co-Chairperson is not present then the members present shall choose a person among themselves, who shall preside over the meeting.

11. Recording of the minutes

11.1 The host organisation shall get the proceedings of the meeting electronically recorded and handover its copy to the Secretariat. The Secretariat shall keep it as record until the minutes of the meeting are got confirmed.

11.2 The minutes of the meeting shall be finalized in consultation with Chairperson, TCC and circulated to all its members by ERPC Secretariat within 15 working days from the date of this meeting. The minutes shall also be posted on the website of ERPC.

12. Confirmation of the minutes

Minutes of the TCC meeting shall be placed in the next meeting for confirmation. In case of minutes pertaining to urgent matters, it may be got confirmed by circulation.

Eastern Regional Power Committee
(Operation Co-ordination Sub-Committee) Regulations 2022

[Dated: 6th August 2022]

General

Drawing powers from the para (10) of the GoI Resolution dated 03.12.2021 and subsequent Corrigendum dated 17.12.2021, ERPC hereby makes the following Sub-Committee called “**Operation Co-ordination Sub-Committee**” (herein after referred to as ‘**OCC**’)

1. Functions of OCC:

- 1.1 OCC shall discuss all issues related to operation of the regional grid, power supply position of the region, maintenance schedule for generating units and major transmission lines, operation discipline, operation of Automatic Under-Frequency Relays, grid incidents/disturbances, and the status of implementation of the recommendations of the Inquiry Committees, etc.
- 1.2 OCC shall also discuss any other operational issues as specified in Indian Electricity Grid Code (IEGC) and other CERC regulations.
- 1.3 OCC shall also deliberate upon any matter as referred by TCC or ERPC.

2. Members of OCC:

- 2.1 OCC shall comprise of one technical person from each of the member organisation of ERPC. The OCC members shall be at the level of Chief Engineer or equivalent.
- 2.2 Member Secretary, ERPC shall be the Chairperson of OCC.
- 2.3 Superintending Engineer (Operation) of Secretariat shall be the convener of OCC.
- 2.4 Member Secretary, ERPC may co-opt any other person/entity in OCC as special invitee.

PROCEDURE FOR CONDUCTING OCC MEETING

3. Periodicity, Place and date of OCC Meeting

- 3.1 The meeting will be held at regular interval of about 4 weeks or earlier, as required.
- 3.2 The place and date of the meeting will be decided by Member Secretary, ERPC.

4. Hosting the OCC meeting

In general, The OCC meeting shall be hosted by ERPC Secretariat., However, in special cases the same may be hosted by any other constituents of ER.

5. Re-scheduling / Cancellation of Meeting

If a meeting is required to be cancelled or rescheduled, the same shall be intimated to the members at the earliest by telephone /e-mail and also posted on ERPC Website.

6. Notice for the Committee meeting and Agenda

- 6.1 Notice for the Committee meeting shall be issued by Convener at least 10 days in advance.
- 6.2 The agenda points proposed by the constituents for the meeting should reach ERPC Secretariat at least 7 days in advance of the meeting. ERPC Secretariat shall finalize the agenda and get it posted on the ERPC Website at least 3 days in advance. Agenda submitted beyond cut-off time as specified shall be posed to Chairperson for his/her permission. If permitted, it shall be taken up as additional agenda. Agenda submitted after the commencement of the meeting shall not be permitted.
- 6.3 Member Secretary, ERPC may also put any agenda involving urgent matter/policy issue directly.
- 6.4 Notice may also be issued to non-regular Member organizations of ER to participate in the OCC meeting.

7. Effect of Non-receipt of Notice of Meeting by a Member

The non-receipt of notice by any member of OCC or Sub-Committees shall not invalidate the proceeding of the meeting or any decision taken in the meeting.

8. Quorum of OCC Meeting

8.1. The Quorum of the meeting shall be 50% of its members or the persons authorized by the members.

8.2. Special invitees by Member Secretary may also attend the meeting.

9. Decision making and implementation

9.1. All decisions in the OCC shall be taken by consensus.

9.2. Each constituent must ensure the implementation of the decisions taken in the meeting.

10. Presiding Authority and the Convener

10.1. Member Secretary, ERPC shall preside over the meeting.

10.2. Superintending Engineer ERPC shall convene the meeting.

10.3. If Member Secretary is unable to be present at the meeting for any reason, the next senior most officer of the ERPC Secretariat shall preside over the meeting.

11. Recording of the minutes

The minutes of the meeting shall be finalized and circulated to all its members by ERPC Secretariat within 10 working days from the date of the meeting. The minutes shall also be posted on the website of ERPC.

12. Confirmation of the Minutes

Minutes of the OCC meeting shall be placed in the next meeting for confirmation. However, in case of any urgency, the minutes may be confirmed by circulation to the members.

Eastern Regional Power Committee
(Commercial Sub-Committee) Regulations, 2022

[Dated: 6th August 2022]

General

Drawing powers from the para (10) of the GoI Resolution dated 03.12.2021 and subsequent Corrigendum dated 17.12.2021, ERPC hereby makes the following Sub-Committee called “**Commercial Sub-Committee**” (herein after referred to as ‘CC’).

1. Functions of CC:

Commercial Sub-Committee(CC) shall discuss all commercial related issues viz. energy accounting, schemes required for inclusion in the Bulk Power Transmission Agreements, requirement of power from the new projects, installation of special energy meters and its cost sharing, etc., metering aspects, reviewing of the payments towards DSM charges, treatment of transmission losses, commercial declaration of lines/substation, on request from CTUs, commercial issues in inter-state an inter-regional exchange of power, issues concerning settlement of payments among constituents, if any, etc. and any other matter referred by the TCC/ERPC.

2. Composition of Commercial Sub-Committee (CC):

- 2.1. Commercial Sub-Committee shall comprise of one person (dealing with commercial matters) each from the constituent organisation of ERPC. The CC members shall be at the level of Chief Engineer or equivalent.
- 2.2. Member Secretary, ERPC shall be Chairperson of the CC.
- 2.3. Superintending Engineer, ERPC shall be the Convener of the CC.

PROCEDURE FOR CONDUCTING CC MEETING

3. Periodicity, Place and date of CC Meeting

3.1. The meeting will be held at regular interval of about 4 months or earlier, if required.

3.2. The place and date of the meeting will be decided by Member Secretary, ERPC.

4. Hosting the CC meeting

In general, The CC meeting shall be hosted by ERPC Secretariat. However, in special cases the same may be hosted by any other constituents of ER.

5. Re-scheduling / Cancellation of Meeting

If a meeting is required to be cancelled or rescheduled, the same shall be intimated to the members at the earliest by telephone / e-mail and also posted on ERPC Website.

6. Notice for the Committee meeting and Agenda

6.1. Notice for the Committee meeting shall be issued by Member Secretary, ERPC at least 15 days in advance.

6.2. The agenda points proposed by the constituents for the meeting should reach ERPC Secretariat at least 10 days in advance of the meeting. ERPC Secretariat shall finalize the agenda and get it posted on the ERPC Website at least 7 days in advance, and shall also circulate the agenda to all of its members. Agenda submitted beyond cut-off time as specified shall be posed to Chairperson for his/her permission. If permitted, it shall be taken up as additional agenda. Agenda submitted after the commencement of the meeting shall not be permitted.

6.3. Member Secretary, ERPC may also put any agenda involving urgent matter/ policy issue directly.

6.4. Member Secretary, ERPC may convene a meeting on short notice on any urgent matter.

6.5. Notice may also be issued to non-regular Member organizations of ER to participate in the CC meeting.

7. Effect of Non-receipt of Notice of Meeting by a Member

The non-receipt of notice by any member of CC or Sub-Committees shall not invalidate the proceeding of the meeting or any decision taken in the meeting.

8. Quorum of CC Meeting

8.1. The Quorum of the meeting shall be 50% of its members or the persons authorized by the members.

8.2. Special Invitees by Member Secretary may also attend the meeting.

9. Decision making and implementation

9.1. All decision in the CC shall be taken by consensus.

9.2. ERLDC shall follow the decision of the CC concerning scheduling, despatch and operation of the Regional Grid, provided it is consistent with CERC Regulations/ orders.

9.3. Each constituent must ensure the implementation of the decisions taken in the meeting.

9.4. Each constituent should furnish its “action taken report” on the decisions taken by CC in its next meeting as also subsequent meeting(s) as per requirement.

10. Presiding Authority and the Convener

10.1. Member Secretary, ERPC shall preside over the meeting.

10.2. Superintending Engineer, ERPC shall convene the meeting.

10.3. If Member Secretary is unable to be present at the meeting for any reason, the next senior most officer of the ERPC Secretariat shall preside over the meeting.

11. Recording of the minutes

The minutes of the meeting shall be finalized and circulated to all its members by ERPC Secretariat within 10 working days from the date of this meeting. The minutes shall also be posted on the website of ERPC.

12. Confirmation of the Minutes

Minutes of the CC meeting shall be placed in the next meeting for confirmation. However, in case of any urgency, the minutes may be confirmed by circulation to the members.

Eastern Regional Power Committee

(Protection Co-ordination Sub-Committee) Regulations 2022

[Dated: 6th August 2022]

General

Drawing powers from the para (10) of the GoI Resolution dated 03.12.2021 and subsequent Corrigendum dated 17.12.2021, ERPC hereby makes the following Sub-Committee called “**Protection Co-ordination Sub-Committee**” (herein after referred to as ‘**PCC**’).

1. Functions of PCC:

Protection Co-ordination Sub-Committee (PCC) shall discuss all power system protection related issues viz. analysis of system disturbances in the region, review of protective relaying schemes, relay co-ordination islanding schemes, automatic under frequency, load shedding schemes, review of the implementation of recommendation made by the Inquiry Committee of the grid disturbance in the region concerning the above matters, etc. and any other matter referred by the TCC/ERPC.

2. Composition of Protection Co-ordination Sub-Committee

- 2.1. Protection Co-ordination Sub-Committee shall comprise of one person each from the constituent organisation of ERPC. The PCC members shall be at the level of Chief Engineer or equivalent and dealing with power system protection / testing.
- 2.2. Member Secretary, ERPC shall be Chairperson of the PCC.
- 2.3. Superintending Engineer, ERPC shall be convener of the PCC.

PROCEDURE FOR CONDUCTING PC MEETING

3. Periodicity, Place and date of PC Meeting

- 3.1. The meeting will be held at regular interval of about 4 weeks or earlier, as required
- 3.2. The place and date of the meeting will be decided by Member Secretary, ERPC.

4. Hosting the PCC meeting

In general, The PCC meeting shall be hosted by ERPC Secretariat. However, in special cases the same may be hosted by any other constituents of ER.

5. Re-scheduling / Cancellation of Meeting

If a meeting is required to be cancelled or rescheduled, the same shall be intimated to the members at the earliest by telephone / e-mail and also posted on ERPC Website immediately.

6. Notice for the Committee meeting and Agenda

- 6.1. Notice for the Committee meeting shall be issued by Member Secretary, ERPC at least 15 days in advance.
- 6.2. The agenda points proposed by the constituents for the meeting should reach ERPC Secretariat at least 10 days in advance of the meeting. ERPC Secretariat shall finalize the agenda and get it posted on the ERPC Website at least 5 days in advance, and shall also circulate the agenda to all of its members. Agenda submitted beyond cut-off time as specified shall be posed to Chairperson for his/her permission. If permitted, it shall be taken up as additional agenda. Agenda submitted after the commencement of the meeting shall not be permitted.
- 6.3. Member Secretary, ERPC may also put any agenda involving urgent matter/ policy issue directly.
- 6.4. Member Secretary, ERPC may convene a meeting on short notice on any urgent matter.
- 6.5. Notice may also be issued to non-regular Member organizations of ER to participate in the PCC meeting, as and when required.

7. Effect of Non-receipt of Notice of Meeting by a Member

The non-receipt of notice by any member of PC shall not invalidate the proceeding of the meeting or any decision taken in the meeting.

8. Quorum of PCC Meeting

8.1. The Quorum of the meeting shall be 50% of its members or the persons authorized by the members.

8.2. Special Invitees by Member Secretary may also attend the meeting.

9. Decision making and implementation

9.1. All decisions in the PCC shall be taken by consensus.

9.2. ERLDC shall follow the decisions of the PC concerning Protection Coordination, Analysis of grid incidences and Disturbance report preparation, etc. of the Regional Grid, provided it is consistent with CERC Regulations/orders.

9.3. Each constituent should ensure the implementation of the decisions taken in the meeting.

9.4. Each constituent should furnish its “action taken report” on the decision taken by PC in its next meeting, as also subsequent meeting(s) as per requirement.

10. Presiding Authority and the Convener

10.1. Member Secretary, ERPC shall preside over the meeting.

10.2. Superintending Engineer, ERPC shall convene the meeting.

10.3. If Member Secretary is unable to be present at the meeting for any reason, the next senior most officer of the ERPC Secretariat shall preside over the meeting.

11. Recording of the minutes

The minutes of the meeting shall be finalized and circulated to all its members by ERPC Secretariat within 15 working days from the date of this meeting. The minutes shall also be posted on the website of ERPC.

12. Confirmation of the Minutes

Minutes of the PC meeting shall be placed in the next meeting for confirmation. However, in case of urgency the minutes may be confirmed by circulation to the members.

Eastern Regional Power Committee

(Telecommunication, SCADA & Telemetry Sub-Committee) Regulations 2022

[Dated: 6th August 2022]

General

Drawing powers from the para (10) of the GoI Resolution dated 03.12.2021 and subsequent Corrigendum dated 17.12.2021, ERPC hereby makes the following Sub-Committee called “**Telecommunication, SCADA & Telemetry Sub-Committee**” (herein after referred to as ‘TeST’).

1. Functions of TeST:

TeST Sub-Committee shall meet to deliberate upon Telecommunication, SCADA and Telemetry schemes of ER and issues thereon in accordance with the provisions of Indian Electricity Grid Code.

2. Composition of Telecommunication, SCADA & Telemetry Sub-Committee:

2.1. Telecommunication, SCADA & Telemetry Sub-Committee shall comprise of one person each from the constituent organisation of ERPC. The TeST members shall be at the level of Chief Engineer or equivalent and conversant with Telecommunication, SCADA & Telemetry in the region.

2.2. Member Secretary, ERPC shall be Chairperson of the TeST.

2.3. Superintending Engineer of Secretariat shall be convener of the TeST.

PROCEDURE FOR CONDUCTING TeST MEETING

3. Periodicity, Place and date of TeST Meeting

3.1. The meeting will be held at regular interval of about 4 months or earlier, if required.

3.2. The place and date of the meeting will be decided by Member Secretary, ERPC.

4. Hosting the TeST meeting

In general, The TeST meeting shall be hosted by ERPC Secretariat. However, in special cases the same may be hosted by any other constituents of ER.

5. Re-scheduling / Cancellation of Meeting

If a meeting is required to be cancelled or rescheduled, the same shall be intimated to the members at the earliest by telephone / e-mail and also posted on ERPC Website immediately.

6. Notice for the Committee meeting and Agenda

- 6.1. Notice for the Committee meeting shall be issued by Member Secretary, ERPC at least 15 days in advance.
- 6.2. The agenda points proposed by the constituents for the meeting should reach ERPC Secretariat at least 10 days in advance of the meeting. ERPC Secretariat shall finalize the agenda and get it posted on the ERPC Website at least 5 days in advance and shall also circulate the agenda to all of its members. Agenda submitted beyond cut-off time as specified shall be posed to Chairperson for his/her permission. If permitted, it shall be taken up as additional agenda. Agenda submitted after the commencement of the meeting shall not be permitted.
- 6.3. Member Secretary, ERPC may also put any agenda involving urgent matter/policy issue directly.
- 6.4. Member Secretary, ERPC may convene a meeting on short notice on any urgent matter.
- 6.5. Notice may also be issued to non-regular Member organizations of ER to participate in the TeST meeting, as and when required.

7. Effect of Non-receipt of Notice of Meeting by a Member

The non-receipt of notice by any member of TeST shall not invalidate the proceeding of the meeting or any decision taken in the meeting.

8. Quorum of TeST Meeting

8.1. The Quorum of the meeting shall be 50% of its members or the persons authorized by the members.

8.2. Special Invitees by Member Secretary may also attend the meeting.

9. Decision making and implementation

9.1. All decisions in the TeST shall be taken by consensus.

9.2. ERLDC shall follow the decisions of the TeST, provided it is consistent with CERC Regulations/orders.

9.3. Each constituent should ensure the implementation of the decisions taken in the meeting.

9.4. Each constituent should furnish its “action taken report” on the decision taken by TeST in its next meeting, as also subsequent meeting(s) as per requirement.

10. Presiding Authority and the Convener

10.1. Member Secretary, ERPC shall preside over the meeting.

10.2. Superintending Engineer, ERPC shall convene the meeting.

10.3. If Member Secretary is unable to be present at the meeting for any reason, the next senior most officer of the ERPC Secretariat shall preside over the meeting.

11. Recording of the minutes

The minutes of the meeting shall be finalized and circulated to all its members by ERPC Secretariat within 15 working days from the date of this meeting. The minutes shall also be posted on the website of ERPC.

12. Confirmation of the Minutes

Minutes of the TeST meeting shall be placed in the next meeting for confirmation. However, in case of urgency, the minutes may be confirmed by circulation to the member

Eastern Regional Power Committee
(Transmission Planning Sub-Committee) Regulations 2022

[Dated: 6th August 2022]

General

Drawing powers from the para (10) of the GoI Resolution dated 03.12.2021 and subsequent Corrigendum dated 17.12.2021, ERPC hereby makes the following Sub-Committee called “**Transmission Planning Sub-Committee**” (herein after referred to as ‘**TPC**’).

1. Functions of TPC:

Transmission Planning Sub-Committee (TPC) shall study and give suggestions on the intra-state transmission planning proposals submitted by the state transmission utilities including DVC.

2. Composition of Transmission Planning Sub-Committee (TPC) Sub-Committee:

2.1. Transmission Planning Sub-Committee shall comprise of members from each of the state transmission utilities, SLDCs, DVC, CTU, ERLDC & ERPC Secretariat. The TPC members shall be at the level of Chief Engineer or equivalent.

2.2. Member Secretary, ERPC shall be Chairperson of the TPC.

2.3. Superintending Engineer, ERPC shall be convener of the TPC.

PROCEDURE FOR CONDUCTING TPC MEETING

3. Periodicity, Place and date of TPC Meeting

3.1. The meeting will be held as and when required.

3.2. The place and date of the meeting will be decided by Member Secretary, ERPC.

4. Hosting the TPC meeting

The TPC meeting shall be hosted by ERPC Secretariat, Kolkata.

5. Re-scheduling / Cancellation of Meeting

If a meeting is required to be cancelled or rescheduled, the same shall be intimated to the members at the earliest by telephone / e-mail and also posted on ERPC Website immediately.

6. Notice for the Committee meeting and Agenda

- 6.1. Notice for the Committee meeting shall be issued by Member Secretary, ERPC at least 15 days in advance.
- 6.2. The agenda points proposed by the constituents for the meeting should reach ERPC Secretariat at least 10 days in advance of the meeting. ERPC Secretariat shall finalize the agenda and get it posted on the ERPC Website at least 5 days in advance and shall also circulate the agenda to all of its members. Agenda submitted beyond cut-off time as specified shall be posed to Chairperson for his/her permission. If permitted, it shall be taken up as additional agenda.
- 6.3. Agenda submitted after the commencement of the meeting shall not be permitted.
- 6.4. Member Secretary, ERPC may also put any agenda involving urgent matter/ policy issue directly.
- 6.5. Member Secretary, ERPC may convene a meeting on short notice on any urgent matter.
- 6.6. Notice may also be issued to non-regular Member organizations of ER to participate in the TPC meeting, as and when required.

7. Effect of Non-receipt of Notice of Meeting by a Member

The non-receipt of notice by any member of TPC shall not invalidate the proceeding of the meeting or any decision taken in the meeting.

8. Quorum of TPC Meeting

- 8.1. The Quorum of the meeting shall be 50% of its members or the persons authorized by the members.
- 8.2. Special Invitees by Member Secretary may also attend the meeting.

9. Decision making and implementation

- 9.1. All decisions in the TPC shall be taken by consensus.
- 9.2. Each concerned constituent should ensure the implementation of the decisions taken in the meeting.
- 9.3. Each concerned constituent should furnish its “action taken report” on the decision taken by TPC in its next meeting, as also subsequent meeting(s) as per requirement.

10. Presiding Authority and the Convener

- 10.1. Member Secretary, ERPC shall preside over the meeting.
- 10.2. Superintending Engineer, ERPC shall convene the meeting.
- 10.3. If Member Secretary is unable to be present at the meeting for any reason, the next senior most officer of the ERPC Secretariat shall preside over the meeting.

11. Recording of the minutes

The minutes of the meeting shall be finalized and circulated to all its members by ERPC Secretariat within 15 working days from the date of this meeting. The minutes shall also be posted on the website of ERPC.

12. Confirmation of the Minutes

Minutes of the TPC meeting shall be placed in the next meeting for confirmation. However, in case of urgency, the minutes may be confirmed by circulation to the members

ERPC (ESTABLISHMENT FUND) REGULATIONS-2022

[Dated: 6th August 2022]

Drawing power from section 25(d) of 'Eastern Regional Power Committee (Conduct of Business) Rules, 2022', ERPC hereby makes the following regulations called "**ERPC (Establishment Fund) Regulations 2011**".

1. **Name:** The name of the fund shall be "**ERPC Establishment Fund**".
2. **Objective:** The fund shall be utilized for meeting reimbursement of expenditure met out of Central Budget to the consolidated fund of GoI, and all other Establishment related expenditure.
3. **Contribution:** All members of ERPC except CEA, NLDC, CTU and ERLDC shall contribute equal amount on annual basis as per the decision of ERPC. Members of ERPC shall send their contribution through any electronic mode. Besides, all non-regular members, participating in the meetings of ERPC shall contribute Participation Fee, on annual basis as per the decision of ERPC.
4. **Operation:** The fund shall be operated by a group of three officers from member constituents of ERPC, preferably posted in Kolkata as nominated by Member Secretary, ERPC. Bank account shall be opened in the name of the fund in a scheduled bank and officers nominated as above shall be given the cheque drawing authority. The maximum tenure of each nominated officer will be three years. The tenure of any nominated officer can be further extended at the sole discretion of Member Secretary, ERPC.
5. The actual expenditure met out of Central Budget for the relevant period as approved by Member Secretary, ERPC shall be reimbursed to the consolidated fund of GoI by cheque drawn in favor of 'DDO, ERPC, Kolkata'.
6. Audited yearly statement of receipt & expenditure of the fund shall be placed before the ERPC.

7. ERPC Secretariat shall place the head wise budget estimate for the next financial year before the ERPC forum in the last ERPC meeting of the current financial year for approval.
8. Expenditure against approved budget, as per para (7), can be made with the approval of Member Secretary, ERPC.
9. The fund shall be audited by Chartered Accountant.
10. The accounts of the fund shall be got audited by two officers, one officer nominated by incumbent Chairperson from his own organisation & the other nominated by the Chairperson of previous year from his own organisation. The officers nominated as above shall be other than the officers nominated as per para-4 above.
11. ERPC, if desires, may constitute a Sub-Committee, comprising of at least three experts in the field of finance and audit from the constituents to discuss/ settle/ recommend on various issues related to this fund.
12. Management of surplus fund shall be at the sole discretion of ERPC. Expenditure from the surplus funds shall be made only after the consent of ERPC.

ERPC FUND REGULATIONS-2022

[Dated: 6th August 2022]

Drawing power from section 28 of 'Eastern Regional Power Committee (Conduct of Business) Rules, 2022', ERPC hereby makes the following regulations called "**ERPC Fund Regulations 2022**".

1. **Name:** The name of the fund shall be "**ERPC Fund**".
2. **Objective:** The fund shall be utilised for
 - (i) Expenses related to meetings, workshops, seminars etc. hosted by ERPC Secretariat.
 - (ii) Expenses related to hospitality extended to officials of constituents and other guests on their visit to ERPC Secretariat.
 - (iii) Expenses related to printing and binding works for flex/banner, publication of reports etc.
 - (iv) Expenses related to discharge of any other functions deemed fit by ERPC.
3. **Contribution:** All members and non-regular members of ERPC except CEA, NLDC, CTU and ERLDC shall contribute equal amount on annual basis as per the decision of ERPC. Members of ERPC shall send their contribution through any electronic mode.
4. **Operation:** The fund shall be operated by a group of three officers from member constituents of ERPC preferably posted in Kolkata as nominated by Member Secretary, ERPC. Bank account shall be opened in the name of the fund in a scheduled bank and officers nominated as above shall be given the cheque drawing authority. The maximum tenure of each nominated officer will be three years. The tenure of any nominated officer can be further extended at the sole discretion of Member Secretary, ERPC.
5. Expenditure from ERPC Fund can be made with the approval of Member Secretary, ERPC.
6. Audited Yearly statement of receipt & expenditure of the fund shall be placed before the ERPC.

7. The fund shall be audited by Chartered Accountant.
8. The accounts of the fund shall be got audited by two officers, one officer nominated by incumbent Chairperson from his own organisation and the other nominated by the Chairperson of previous year from his own organisation. The officers nominated as above shall be other than the officers nominated as per para-4 above.
9. ERPC, if desires, may constitute a Sub-Committee, comprising of at least three experts in the field of finance and audit from the constituents to discuss/ settle/ recommend on various issues related to this fund.
10. Management of surplus fund shall be at the sole discretion of ERPC. Expenditure from the surplus funds shall be made only after the consent of ERPC.



भारत का राजपत्र The Gazette of India

सी.जी.-डी.एल.-अ.-06122021-231635
CG-DL-E-06122021-231635

असाधारण
EXTRAORDINARY

भाग I—खण्ड 1
PART I—Section 1

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 359]

नई दिल्ली, सोमवार, दिसम्बर 6, 2021/अग्रहायण 15, 1943

No. 359]

NEW DELHI, MONDAY, DECEMBER 6, 2021/AGRAHAYANA 15, 1943

विद्युत मंत्रालय

संकल्प

नई दिल्ली, 3 दिसम्बर, 2021

फा.सं. 23/21/2021-आरएंडआर.— विद्युत अधिनियम, 2003 की धारा 2 की उप-धारा (55) में किसी क्षेत्र में केंद्रीय सरकार के एक संकल्प द्वारा किसी क्षेत्र विशेष के लिए उस क्षेत्र में विद्युत प्रणाली के समेकित प्रचालन को सुविधाजनक बनाने हेतु क्षेत्रीय विद्युत समितियों (आरपीसी) की स्थापना किये जाने की परिकल्पना की गई है।

2. अधिनियम की धारा 29 (4) में आगे प्रावधान किया गया है कि क्षेत्र में क्षेत्रीय विद्युत समिति समय-समय पर उस क्षेत्र में समेकित ग्रिड के स्थिरता एवं निर्बाध प्रचालन और विद्युत प्रणाली के प्रचालन में मितव्ययिता व दक्षता से संबंधित मामलों पर सहमति प्रदान कर सकती है।

3. उपरोक्त प्रावधानों के अनुसरण में, केंद्र सरकार एतद्वारा निम्नलिखित सदस्यों के साथ दिल्ली, हरियाणा, हिमाचल प्रदेश, पंजाब, राजस्थान, उत्तर प्रदेश राज्यों तथा उत्तराखंड, जम्मू एवं कश्मीर संघ राज्य क्षेत्र, लद्दाख तथा चण्डीगढ़ को शामिल करते हुए उत्तर क्षेत्रीय विद्युत समिति (एनआरपीसी) की स्थापना करती है:-

- सदस्य (ग्रिड संचालन एवं वितरण), केंद्रीय विद्युत प्राधिकरण (सीईए)।
- केन्द्रीय उत्पादन कंपनियों, केन्द्रीय पारेषण यूटिलिटी (सीटीयू), केंद्र सरकार के स्वामित्व वाली पारेषण कंपनी, राष्ट्रीय भार प्रेषण केंद्र (एनएलडीसी) और उत्तर क्षेत्रीय भार प्रेषण केंद्र (एनआरएलडीसी) प्रत्येक से एक-एक प्रतिनिधि।
- क्षेत्र के प्रत्येक राज्य से, राज्य उत्पादन कंपनी, राज्य पारेषण यूटिलिटी (एसटीयू), राज्य भार प्रेषण केंद्र (एसएलडीसी), राज्य सरकार द्वारा नामित राज्य के स्वामित्व वाली वितरण कंपनियों में से एक और इस क्षेत्र में कार्यशील निजी वितरण कंपनियों में से वर्णानुक्रम रोटेशन द्वारा एक वितरण कंपनी।

- iv. क्षेत्र के प्रत्येक संघ राज्य क्षेत्रों से, संघ राज्य क्षेत्रों में विद्युत के उत्पादन/पारेषण/वितरण कार्य कर रही संस्थाओं में से संबंधित संघ राज्य क्षेत्र के प्रशासन द्वारा नामित प्रतिनिधि।
- v. इस क्षेत्र में 1000 मेगावाट से अधिक संस्थापित क्षमता वाली प्रत्येक उत्पादन कंपनी (केंद्रीय उत्पादन कंपनियों या राज्य सरकार के स्वामित्व वाली उत्पादन कंपनियों को छोड़कर) में से प्रत्येक का एक प्रतिनिधि।
- vi. वर्णानुक्रम रोटेशन द्वारा इस क्षेत्र (जो उपरोक्त (ii) से (v) में शामिल नहीं हैं) में विद्युत संयंत्र रखने वाली उत्पादन कंपनियों का एक प्रतिनिधि।

(vi) केंद्र सरकार द्वारा नामित, एक निजी पारेषण लाइसेंसधारी का एक प्रतिनिधि, जो उस क्षेत्र में प्रचालनरत ऐसे पारेषण लाइसेंसधारी में से वर्णानुक्रम रोटेशन द्वारा, अंतर राज्यीय पारेषण प्रणाली का, संचालन करता है।

- vii. वर्णानुक्रम रोटेशन द्वारा क्षेत्र में विद्युत व्यापारियों का प्रतिनिधित्व करने वाला एक सदस्य, जिसने पिछले वित्तीय वर्ष के दौरान 500 मिलियन यूनिट से अधिक का व्यापार किया हो।

(vii) क्षेत्र के साथ विद्युत अंतः-कनेक्शन वाले देशों के साथ सीमा-पार विद्युत लेनदेन के समन्वय के लिए भारत सरकार द्वारा नियुक्त प्रत्येक नोडल एजेंसी में से प्रत्येक का एक प्रतिनिधि।

- viii. सदस्य सचिव, एनआरपीसी - संयोजक।

जहां कहीं भी किसी सदस्य का प्रतिनिधित्व रोटेशन द्वारा किया जाता है, नामांकन एक वर्ष की अवधि के लिए होगा। केंद्रीय सार्वजनिक क्षेत्र के उपक्रमों (सीपीएसयू) को छोड़कर, जहां प्रतिनिधि भी कार्यकारी निदेशक के स्तर का भी हो सकता है, संबंधित संगठनों का प्रतिनिधि या तो संगठन का प्रमुख होना चाहिए या कम से कम वह व्यक्ति हो जो कंपनी/कॉर्पोरेट इकाई के बोर्ड के निदेशक के पद से नीचे का नहीं होना चाहिए।

4. एनआरपीसी का अध्यक्ष वर्णानुक्रम क्रम में रोटेशन द्वारा क्षेत्र के राज्यों/संघ राज्य क्षेत्रों का प्रतिनिधित्व करेंगे। उस विशेष राज्य से एनआरपीसी के सदस्य अपने में से एनआरपीसी के अध्यक्ष को नामित करेंगे। अध्यक्ष का कार्यकाल एक वर्ष की अवधि के लिए होगा।

5. समिति का मुख्यालय नई दिल्ली में स्थित होगा।

6. समिति निम्नलिखित कार्यों का निर्वहन करेगी:

1. ग्रिड प्रदर्शन में सुधार के लिए क्षेत्रीय स्तर पर संचालन का विश्लेषण करना।

2. विद्युत के अंतर-राज्य/अंतर-क्षेत्रीय अंतरण को सुविधाजनक बनाना।

3. सीटीयू/एसटीयू के साथ अंतर-राज्यीय/अंतर-राज्यीय पारेषण प्रणाली से संबंधित आयोजना के सभी कार्यों को सुगम बनाना।

3क- संबंधित आरपीसी द्वारा प्रस्ताव प्राप्त होने के 45 दिनों के भीतर सीटीयू द्वारा नियोजित अंतर-राज्यीय पारेषण प्रणाली पर विचार प्रदान करना। नई अंतर-राज्यीय पारेषण प्रणाली के अनुमोदन के लिए विद्युत मंत्रालय को अपनी अनुशंसा भेजने के लिए राष्ट्रीय पारेषण समिति द्वारा आरपीसी के विचारों पर विचार-विमर्श किया जाएगा।

4. वार्षिक आधार पर क्षेत्र को विद्युत की आपूर्ति करने वाली अंतर-राज्य उत्पादन कंपनियों सहित क्षेत्र की विभिन्न उत्पादन कंपनियों की उत्पादन मशीनों की आयोजना और रखरखाव का समन्वय करना और मासिक आधार पर रखरखाव कार्यक्रम की समीक्षा भी करना।

5. मासिक आधार पर पारेषण प्रणाली के औटेज की योजना बनाना।

6. ग्रिड के स्थिर प्रचालन के लिए सुरक्षा अध्ययन सहित प्रचालन आयोजना अध्ययन करना।

7. प्रणाली अध्ययन समिति और संस्थापित कैपेसिटरों की निगरानी के माध्यम से प्रतिक्रियाशील मुआवजे की आवश्यकता की समीक्षा के माध्यम से उचित वोल्टेज बनाए रखने की आयोजना बनाना।

8. क्षेत्र में विद्युत प्रणाली के प्रचालन में मितव्ययता और दक्षता से संबंधित सभी मुद्दों पर सर्वसम्मति विकसित करना।

7. जैसा कि एनआरएलडीसी को समिति के एक सदस्य के रूप में प्रतिनिधित्व के लिए निरूपित किया जाएगा, एनआरएलडीसी द्वारा क्षेत्रीय ग्रिड के प्रचालन और विद्युत के शेड्यूलिंग तथा प्रेषण के संबंध में सर्वसम्मति से प्राप्त समिति के निर्णयों का पालन केंद्रीय आयोग के निर्देशों, यदि कोई हो, के अधीन किया जाएगा।
8. इस समिति का अपना एक सचिवालय होगा जिसकी अध्यक्षता समिति के सदस्य सचिव करेंगे। सचिवालय के लिए सदस्य सचिव के साथ अन्य कर्मचारियों को केंद्रीय विद्युत प्राधिकरण द्वारा उस तरीके से साथ-उपलब्ध कराया जाएगा जैसा कि पूर्ववर्ती पूर्वी क्षेत्रीय विद्युत बोर्ड को उपलब्ध कराया जा रहा था।
9. समिति अपनी बैठक के प्रचालन और अन्य संबंधित मामलों के लिए कार्य के अपने नियम स्वयं बनाएगी।
10. समिति अपनी उपसमितियों-, कार्यबलों, तदर्थ समितियों और स्थायी समितियों का गठन कर सकती है, जिसे कुशल कामकाज के लिए आवश्यक समझा जाए। यह विशिष्ट प्रकृति के मुद्दों पर सलाह देने के लिए, यदि आवश्यक हो, प्रतिष्ठित विशेषज्ञों के समूह ता है। उप समितियों आदि के प्रतिनिधि का स्तर संबंधित मुद्दों की प्रकृति पर निर्भर समितियां भी स्थापित कर सक / करेगा।
11. एनआरपीसी की महीने में कम से कम एक बार बैठक होगी। उप समितियों, कार्यबलों, तदर्थ समितियों और एनआरपीसी की स्थायी समितियों की आवश्यकता पड़ने पर बैठक हो सकती है।
12. यह संकल्प प्रधान संकल्प दिनांक 25 मई, 2005 और तदन्तर संशोधनों दिनांक 29 नवंबर, 2005, 9 मई, 2008, 5 मई, 2017 और 21 दिसंबर, 2017 का अधिक्रमण करता है।
13. यह संकल्प राजपत्र में प्रकाशन की तारीख से प्रवृत्त होगा।

घनश्याम प्रसाद, संयुक्त सचिव

MINISTRY OF POWER

RESOLUTION

New Delhi, the 3rd December, 2021

F. No. 23/21/2021-R&R.—Sub-section (55) of section 2 of the Electricity Act, 2003 envisages the establishment of Regional Power Committees (RPCs) by a resolution of the Central Government for a specified region for facilitating the integrated operation of the power system in that region.

2. Section 29 (4) of the Act further provides that the RPC of the region may, from time to time, agree on matters concerning the stability and smooth operation of the integrated grid and economy and efficiency in the operation of the power system in that region.

3. In pursuance of the aforesaid provisions, the Central Government hereby establishes the Northern Regional Power Committee (NRPC) comprising the States of Delhi, Haryana, Himachal Pradesh, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand and the Union Territories of Jammu & Kashmir, Ladakh and Chandigarh with the following members:-

- i. Member (Grid Operation & Distribution), Central Electricity Authority (CEA).
- ii. One representative each of Central Generating Companies, Central Transmission Utility (CTU), Central Government owned Transmission Company, National Load Despatch Centre (NLDC) and the Northern Regional Load Despatch Centre (NRLDC).
- iii. From each of the States in the region, the State Generating Company, State Transmission Utility (STU), State Load Despatch Centre (SLDC), one of the State owned distribution companies as nominated by the State Government and one distribution company by alphabetical rotation out of the private distribution companies functioning in the region.
- iv. From each of the Union Territories in the region, a representative nominated by the administration of the Union Territory concerned out of the entities engaged in generation/ transmission/ distribution of electricity in the Union Territory.
- v. A representative each of every generating company (other than central generating companies or State Government owned generating companies) having more than 1000 MW installed capacity in the region.

- vi. A representative of the generating companies having power plants in the region (not covered in (ii) to (v) above) by alphabetical rotation.
- (via) A representative of one private transmission licensee, nominated by Central Government, operating the Inter State Transmission System, by alphabetical rotation out of such Transmission Licensee operating in the region.
- vii. One member representing the electricity traders in the region by alphabetical rotation, which have trading volume of more than 500 million units during the previous financial year.
- (viiia) A representative each of every Nodal Agency appointed by the Government of India for coordinating cross-border power transactions with the countries having electrical inter-connection with the region.”
- viii. Member Secretary, NRPC – Convenor

Wherever a member is represented by rotation, the nomination would be for a period of one year. The representative from respective organizations should be either the head of the organization or at least a person not below the rank of a Director on the Board of the company/corporate entity except for Central Public Sector Undertakings (CPSUs) where representative could also be at the level of Executive Director.

4. Chairperson of the NRPC would represent the States/UTs of the region by rotation in alphabetical order. Members of the NRPC from that particular State would nominate the Chairperson of NRPC from amongst themselves. The term of the Chairperson would be for a period of one year.
5. The Headquarters of the Committee will be located at New Delhi.
6. The Committee shall discharge following functions:
1. To undertake Regional Level operation analysis for improving grid performance.
 2. To facilitate inter-state/inter-regional transfer of power.
 3. To facilitate all functions of planning relating to inter-state/ intra-state transmission system with CTU/STU.
- 3A- To provide views on the inter-state transmission system planned by CTU within 45 days of receipt of the proposal by the concerned RPC. The views of RPC will be considered by National Committee on Transmission for sending their recommendation to Ministry of Power for approval of new inter-state transmission system.
4. To coordinate planning & maintenance of generating machines of various generating companies of the region including those of inter-state generating companies supplying electricity to the Region on an annual basis and also to undertake review of maintenance programme on a monthly basis.
 5. To undertake planning of outage of transmission system on a monthly basis.
 6. To undertake operational planning studies including protection studies for stable operation of the grid.
 7. To undertake planning for maintaining proper voltages through review of reactive compensation requirement through system study committee and monitoring of installed capacitors.
 8. To evolve consensus on all issues relating to economy and efficiency in the operation of power system in the region.
7. As NRLDC would be represented as one of the member of the Committee, the decisions of Committee arrived at by consensus regarding operation of the regional grid and scheduling and dispatch of electricity will be followed by NRLDC subject to directions of the Central Commission, if any.
8. The Committee shall have a secretariat of its own which will be headed by the Member Secretary of the Committee. The Member Secretary as well as other staff for the secretariat shall be provided by the Central Electricity Authority in the manner as was being provided to the erstwhile Northern Regional Electricity Board.
9. The Committee will frame its own rules of business for the conduct of its meeting and other related matters.
10. The Committee may constitute its Sub-committees, Task Forces, Ad hoc Committees and Standing Committees, as deemed necessary for efficient functioning. It may also set up, if required, Groups / Committees of eminent experts to advise it on issues of specific nature. The level of the representative to the Sub Committees etc would depend on the nature of the issue concerned.
11. The NRPC shall meet at least once in a month. Sub Committees, Task Forces, Ad hoc Committees and Standing Committees of the NRPC could meet as and when required.

12. This Resolution supersedes the Principal Resolution dated 25th May, 2005 and subsequent amendments dated 29th November 2005, 9th May 2008, 5th May 2017 and 21st December 2017.

13. This resolution shall come into force from the date of publication in the Gazette.

GHANSHYAM PRASAD, Jt. Secy.

संकल्प

नई दिल्ली, 3 दिसम्बर, 2021

फा.सं. 23/21/2021-आरएंडआर.—विद्युत अधिनियम, 2003 की धारा 2 की उप-धारा (55) में किसी क्षेत्र में केंद्रीय सरकार के एक संकल्प द्वारा किसी क्षेत्र विशेष के लिए उस क्षेत्र में विद्युत प्रणाली के समेकित प्रचालन को सुविधाजनक बनाने हेतु क्षेत्रीय विद्युत समितियों (आरपीसी) की स्थापना किये जाने की परिकल्पना की गई है।

2. अधिनियम की धारा 29 (4) में आगे प्रावधान किया गया है कि क्षेत्र में क्षेत्रीय विद्युत समिति समय-समय पर उस क्षेत्र में समेकित ग्रिड के स्थिरता एवं निर्बाध प्रचालन और विद्युत प्रणाली के प्रचालन में मितव्ययिता व दक्षता से संबंधित मामलों पर सहमति प्रदान कर सकती है।

3. उपरोक्त प्रावधानों के अनुसरण में, केंद्र सरकार एतद्वारा निम्नलिखित सदस्यों के साथ छत्तीसगढ़, गुजरात, मध्य प्रदेश, महाराष्ट्र, गोवा राज्यों और दादरा तथा नगर हवेली और दमन एवं दीव संघ राज्य क्षेत्र को शामिल करते हुए पश्चिम क्षेत्रीय विद्युत समिति (डब्ल्यूआरपीसी) की स्थापना करती है:-

- i. सदस्य (ग्रिड संचालन एवं वितरण), केंद्रीय विद्युत प्राधिकरण (सीईए)।
- ii. केन्द्रीय उत्पादन कंपनियों, केन्द्रीय पारेषण यूटिलिटी (सीटीयू), केंद्र सरकार के स्वामित्व वाली पारेषण कंपनी, राष्ट्रीय भार प्रेषण केंद्र (एनएलडीसी) और पश्चिम क्षेत्रीय भार प्रेषण केंद्र (डब्ल्यूआरएलडीसी) प्रत्येक से एक-एक प्रतिनिधि।
- iii. क्षेत्र के प्रत्येक राज्य से, राज्य उत्पादन कंपनी, राज्य पारेषण यूटिलिटी (एसटीयू), राज्य भार प्रेषण केंद्र (एसएलडीसी), राज्य सरकार द्वारा नामित राज्य के स्वामित्व वाली वितरण कंपनियों में से एक और इस क्षेत्र में कार्यशील निजी वितरण कंपनियों में से वर्णानुक्रम रोटेशन द्वारा एक वितरण कंपनी।
- iv. क्षेत्र के प्रत्येक संघ राज्य क्षेत्रों से, संघ राज्य क्षेत्रों में विद्युत के उत्पादन/पारेषण/वितरण कार्य कर रही संस्थाओं में से संबंधित संघ राज्य क्षेत्र के प्रशासन द्वारा नामित प्रतिनिधि।
- v. इस क्षेत्र में 1000 मेगावाट से अधिक संस्थापित क्षमता वाली प्रत्येक उत्पादन कंपनी (केंद्रीय उत्पादन कंपनियों या राज्य सरकार के स्वामित्व वाली उत्पादन कंपनियों को छोड़कर) में से प्रत्येक का एक प्रतिनिधि।
- vi. वर्णानुक्रम रोटेशन द्वारा इस क्षेत्र (जो उपरोक्त (ii) से (v) में शामिल नहीं हैं) में विद्युत संयंत्र रखने वाली उत्पादन कंपनियों का एक प्रतिनिधि।
(vi) केंद्र सरकार द्वारा नामित, एक निजी पारेषण लाइसेंसधारी का एक प्रतिनिधि, जो उस क्षेत्र में प्रचालनरत ऐसे पारेषण लाइसेंसधारी में से वर्णानुक्रम रोटेशन द्वारा, अंतर राज्यीय पारेषण प्रणाली का, संचालन करता है।
- vii. वर्णानुक्रम रोटेशन द्वारा क्षेत्र में विद्युत व्यापारियों का प्रतिनिधित्व करने वाला एक सदस्य, जिसने पिछले वित्तीय वर्ष के दौरान 500 मिलियन यूनिट से अधिक का व्यापार किया हो।
(vii) क्षेत्र के साथ विद्युत अंतः-कनेक्शन वाले देशों के साथ सीमा-पार विद्युत लेनदेन के समन्वय के लिए भारत सरकार द्वारा नियुक्त प्रत्येक नोडल एजेंसी में से प्रत्येक का एक प्रतिनिधि।
- viii. सदस्य सचिव, डब्ल्यूआरपीसी - संयोजक।

जहां कहीं भी किसी सदस्य का प्रतिनिधित्व रोटेशन द्वारा किया जाता है, नामांकन एक वर्ष की अवधि के लिए होगा। केंद्रीय सार्वजनिक क्षेत्र के उपक्रमों (सीपीएसयू) को छोड़कर, जहां प्रतिनिधि भी कार्यकारी निदेशक के स्तर का भी हो सकता है, संबंधित संगठनों के प्रतिनिधि या तो संगठन का प्रमुख होना चाहिए या कम से कम वह व्यक्ति हो जो कंपनी/कॉर्पोरेट इकाई के बोर्ड के निदेशक के पद से नीचे का नहीं होना चाहिए।

4. डब्ल्यूआरपीसी का अध्यक्ष वर्णानुक्रम क्रम में रोटेशन द्वारा क्षेत्र के राज्यों/संघ राज्य क्षेत्रों का प्रतिनिधित्व करेंगे। उस विशेष राज्य से डब्ल्यूआरपीसी के सदस्य अपने में से डब्ल्यूआरपीसी के अध्यक्ष को नामित करेंगे। अध्यक्ष का कार्यकाल एक वर्ष की अवधि के लिए होगा।
5. समिति का मुख्यालय नई दिल्ली में स्थित होगा।
6. समिति निम्नलिखित कार्यों का निर्वहन करेगी:
 1. ग्रिड प्रदर्शन में सुधार के लिए क्षेत्रीय स्तर पर संचालन का विश्लेषण करना।
 2. विद्युत के अंतर-राज्य/अंतर-क्षेत्रीय अंतरण को सुविधाजनक बनाना।
 3. सीटीयू/एसटीयू के साथ अंतर-राज्यीय/अंतरा-राज्यीय पारेषण प्रणाली से संबंधित आयोजना के सभी कार्यों को सुगम बनाना।

3क- संबंधित आरपीसी द्वारा प्रस्ताव प्राप्त होने के 45 दिनों के भीतर सीटीयू द्वारा नियोजित अंतर-राज्यीय पारेषण प्रणाली पर विचार प्रदान करना। नई अंतर-राज्यीय पारेषण प्रणाली के अनुमोदन के लिए विद्युत मंत्रालय को अपनी अनुशंसा भेजने के लिए राष्ट्रीय पारेषण समिति द्वारा आरपीसी के विचारों पर विचार-विमर्श किया जाएगा।
 4. वार्षिक आधार पर क्षेत्र को विद्युत की आपूर्ति करने वाली अंतर-राज्य उत्पादन कंपनियों सहित क्षेत्र की विभिन्न उत्पादन कंपनियों की उत्पादन मशीनों की आयोजना और रखरखाव का समन्वय करना और मासिक आधार पर रखरखाव कार्यक्रम की समीक्षा भी करना।
 5. मासिक आधार पर पारेषण प्रणाली के औटेज की आयोजना बनाना।
 6. ग्रिड के स्थिर प्रचालन के लिए सुरक्षा अध्ययन सहित प्रचालनात्मक आयोजना अध्ययन करना।
 7. प्रणाली अध्ययन समिति और संस्थापित कैपेसिटरों की निगरानी के माध्यम से प्रतिक्रियाशील मुआवजे की आवश्यकता की समीक्षा के माध्यम से उचित वोल्टेज बनाए रखने की आयोजना बनाना।
 8. क्षेत्र में विद्युत प्रणाली के प्रचालन में मितव्ययता और दक्षता से संबंधित सभी मुद्दों पर सर्वसम्मति विकसित करना।
7. जैसाकि डब्ल्यूआरएलडीसी को समिति के एक सदस्य के रूप में प्रतिनिधित्व के लिए निरूपित किया जाएगा, डब्ल्यूआरएलडीसी द्वारा क्षेत्रीय ग्रिड के प्रचालन और विद्युत के शेड्यूलिंग तथा प्रेषण के संबंध में सर्वसम्मति से प्राप्त समिति के निर्णयों का पालन केंद्रीय आयोग के निर्देशों, यदि कोई हो, के अधीन किया जाएगा।
8. इस समिति का अपना एक सचिवालय होगा जिसकी अध्यक्षता समिति के सदस्य सचिव करेंगे। सचिवालय के लिए सदस्य सचिव के साथ साथ अन्य कर्मचारियों को केंद्रीय विद्युत प्राधिकरण द्वारा उस तरीके से-उपलब्ध कराया जाएगा जैसा कि पूर्ववर्ती पश्चिम क्षेत्रीय विद्युत बोर्ड को उपलब्ध कराया जा रहा था।
9. समिति अपनी बैठक के संचालन और अन्य संबंधित मामलों के लिए कार्य के अपने नियम स्वयं बनाएगी।
10. समिति अपनी उपसमितियों-, कार्यबलों, तदर्थ समितियों और स्थायी समितियों का गठन कर सकती है, जिसे कुशल कामकाज के लिए आवश्यक समझा जाए। यह विशिष्ट प्रकृति के मुद्दों पर सलाह देने के लिए, यदि आवश्यक हो, प्रतिष्ठित विशेषज्ञों के समूह समितियां भी स्थापित कर सकता है। उप समितियों आदि के प्रतिनिधि का स्तर संबंधित मुद्दों की प्रकृति पर निर्भर/करेगा।
11. डब्ल्यूआरपीसी की महीने में कम से कम एक बार बैठक होगी। उप समितियों, कार्यबलों, तदर्थ समितियों और डब्ल्यूआरपीसी की स्थायी समितियों की आवश्यकता पड़ने पर बैठक हो सकती है।
12. यह संकल्प प्रधान संकल्प दिनांक 25 मई, 2005 और तदन्तर संशोधनों दिनांक 29 नवंबर, 2005, 9 मई, 2008, 5 मई, 2017 और 21 दिसंबर, 2017 का अधिक्रमण करता है।
13. यह संकल्प राजपत्र में प्रकाशन की तारीख से प्रवृत्त होगा।

घनश्याम प्रसाद, संयुक्त सचिव

RESOLUTION

New Delhi, the 3rd December, 2021

F.No. 23/21/2021-R&R .—Sub-section (55) of section 2 of the Electricity Act, 2003 envisages the establishment of Regional Power Committees (RPCs) by a resolution of the Central Government for a specified region for facilitating the integrated operation of the power system in that region.

2. Section 29 (4) of the Act further provides that the RPC of the region may, from time to time, agree on matters concerning the stability and smooth operation of the integrated grid and economy and efficiency in the operation of the power system in that region.

3. In pursuance of the aforesaid provisions, the Central Government hereby establishes the Western Regional Power Committee (WRPC) comprising the States of Chhattisgarh, Gujarat, Madhya Pradesh, Maharashtra, Goa and the Union Territory of Dadra & Nagar Haveli and Daman & Diu with the following members:-

- i. Member (Grid Operation & Distribution), Central Electricity Authority (CEA).
- ii. One representative each of Central Generating Companies, Central Transmission Utility (CTU), Central Government owned Transmission Company, National Load Despatch Centre (NLDC) and the Western Regional Load Despatch Centre (WRLDC).
- iii. From each of the States in the region, the State Generating Company, State Transmission Utility (STU), State Load Despatch Centre (SLDC), one of the State owned distribution companies as nominated by the State Government and one distribution company by alphabetical rotation out of the private distribution companies functioning in the region.
- iv. From each of the Union Territories in the region, a representative nominated by the administration of the Union Territory concerned out of the entities engaged in generation/transmission/ distribution of electricity in the Union Territory.
- v. A representative each of every generating company (other than central generating companies or State Government owned generating companies) having more than 1000 MW installed capacity in the region.
- vi. A representative of the generating companies having power plants in the region (not covered in (ii) to (v) above) by alphabetical rotation.

(via) A representative of one private transmission licensee, nominated by Central Government, operating the Inter State Transmission System, by alphabetical rotation out of such Transmission Licensee operating in the region.
- vii. One member representing the electricity traders in the region by alphabetical rotation, which have trading volume of more than 500 million units during the previous financial year.

(viiia) A representative each of every Nodal Agency appointed by the Government of India for coordinating cross-border power transactions with the countries having electrical inter-connection with the region.”
- viii. Member Secretary, WRPC – Convenor

Wherever a member is represented by rotation, the nomination would be for a period of one year. The representative from respective organizations should be either the head of the organization or at least a person not below the rank of a Director on the Board of the company/corporate entity except for Central Public Sector Undertakings (CPSUs) where representative could also be at the level of Executive Director.

4. Chairperson of the WRPC would represent the States/UTs of the region by rotation in alphabetical order. Members of the WRPC from that particular State would nominate the Chairperson of WRPC from amongst themselves. The term of the Chairperson would be for a period of one year.

5. The Headquarters of the Committee will be located at New Delhi.

6. The Committee shall discharge following functions:

1. To undertake Regional Level operation analysis for improving grid performance.
2. To facilitate inter-state/inter-regional transfer of power.
3. To facilitate all functions of planning relating to inter-state/ intra-state transmission system with CTU/STU.

3A- To provide views on the inter-state transmission system planned by CTU within 45 days of receipt of the proposal by the concerned RPC. The views of RPC will be considered by National Committee on Transmission for sending their recommendation to Ministry of Power for approval of new inter-state transmission system.

4. To coordinate planning & maintenance of generating machines of various generating companies of the region including those of inter-state generating companies supplying electricity to the Region on an annual basis and also to undertake review of maintenance programme on a monthly basis.
 5. To undertake planning of outage of transmission system on a monthly basis.
 6. To undertake operational planning studies including protection studies for stable operation of the grid.
 7. To undertake planning for maintaining proper voltages through review of reactive compensation requirement through system study committee and monitoring of installed capacitors.
 8. To evolve consensus on all issues relating to economy and efficiency in the operation of power system in the region.
7. As WRLDC would be represented as one of the member of the Committee, the decisions of Committee arrived at by consensus regarding operation of the regional grid and scheduling and dispatch of electricity will be followed by WRLDC subject to directions of the Central Commission, if any.
8. The Committee shall have a secretariat of its own which will be headed by the Member Secretary of the Committee. The Member Secretary as well as other staff for the secretariat shall be provided by the Central Electricity Authority in the manner as was being provided to the erstwhile Western Regional Electricity Board.
9. The Committee will frame its own rules of business for the conduct of its meeting and other related matters.
10. The Committee may constitute its Sub-committees, Task Forces, Ad hoc Committees and Standing Committees, as deemed necessary for efficient functioning. It may also set up, if required, Groups / Committees of eminent experts to advise it on issues of specific nature. The level of the representative to the Sub Committees etc would depend on the nature of the issue concerned.
11. The WRPC shall meet at least once in a month. Sub Committees, Task Forces, Ad hoc Committees and Standing Committees of the WRPC could meet as and when required.
12. This Resolution supersedes the Principal Resolution dated 25th May, 2005 and subsequent amendments dated 29th November 2005, 9th May 2008, 5th May 2017 and 21st December 2017.
13. This resolution shall come into force from the date of publication in the Gazette.

GHANSHYAM PRASAD, Jt. Secy.

संकल्प

नई दिल्ली, 3 दिसम्बर, 2021

फा.सं. 23/21/2021-आरएंडआर.—विद्युत अधिनियम, 2003 की धारा 2 की उप-धारा (55) में किसी क्षेत्र में केंद्रीय सरकार के एक संकल्प द्वारा किसी क्षेत्र विशेष के लिए उस क्षेत्र में विद्युत प्रणाली के समेकित प्रचालन को सुविधाजनक बनाने हेतु क्षेत्रीय विद्युत समितियों (आरपीसी) की स्थापना किये जाने की परिकल्पना की गई है।

2. अधिनियम की धारा 29 (4) में आगे प्रावधान किया गया है कि क्षेत्र में क्षेत्रीय विद्युत समिति समय-समय पर उस क्षेत्र में समेकित ग्रिड के स्थिरता एवं निर्बाध प्रचालन और विद्युत प्रणाली के प्रचालन में मितव्ययिता व दक्षता से संबंधित मामलों पर सहमति प्रदान कर सकती है।
3. उपरोक्त प्रावधानों के अनुसरण में, केंद्र सरकार एतद्वारा निम्नलिखित सदस्यों के साथ आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु, तेलंगाना राज्यों तथा पुदुचेरी संघ राज्य क्षेत्र को शामिल करते हुए दक्षिण क्षेत्रीय विद्युत समिति (एसआरपीसी) की स्थापना करती है:-
 - i. सदस्य (ग्रिड संचालन एवं वितरण), केंद्रीय विद्युत प्राधिकरण (सीईए)।
 - ii. केन्द्रीय उत्पादन कंपनियों, केन्द्रीय पारेषण यूटिलिटी (सीटीयू), केंद्र सरकार के स्वामित्व वाली पारेषण कंपनी, राष्ट्रीय भार प्रेषण केंद्र (एनएलडीसी) और दक्षिण क्षेत्रीय भार प्रेषण केंद्र (एसआरएलडीसी) प्रत्येक से एक-एक प्रतिनिधि।
 - iii. क्षेत्र के प्रत्येक राज्य से, राज्य उत्पादन कंपनी, राज्य पारेषण यूटिलिटी (एसटीयू), राज्य भार प्रेषण केंद्र (एसएलडीसी), राज्य सरकार द्वारा नामित राज्य के स्वामित्व वाली वितरण कंपनियों में से एक और इस क्षेत्र में कार्यशील निजी वितरण कंपनियों में से वर्णानुक्रम रोटेशन द्वारा एक वितरण कंपनी।

- iv. क्षेत्र के प्रत्येक संघ राज्य क्षेत्रों से, संघ राज्य क्षेत्रों में विद्युत के उत्पादन/पारेषण/वितरण कार्य कर रही संस्थाओं में से संबंधित संघ राज्य क्षेत्र के प्रशासन द्वारा नामित प्रतिनिधि।
- v. इस क्षेत्र में 1000 मेगावाट से अधिक संस्थापित क्षमता वाली प्रत्येक उत्पादन कंपनी (केंद्रीय उत्पादन कंपनियों या राज्य सरकार के स्वामित्व वाली उत्पादन कंपनियों को छोड़कर) में से प्रत्येक का एक प्रतिनिधि।
- vi. वर्णानुक्रम रोटेशन द्वारा इस क्षेत्र (जो उपरोक्त (ii) से (iv) में शामिल नहीं हैं) में विद्युत संयंत्र रखने वाली उत्पादन कंपनियों का एक प्रतिनिधि।

(vi) केंद्र सरकार द्वारा नामित, एक निजी पारेषण लाइसेंसधारी का एक प्रतिनिधि, जो उस क्षेत्र में प्रचालनरत ऐसे पारेषण लाइसेंसधारी में से वर्णानुक्रम रोटेशन द्वारा, अंतर राज्यीय पारेषण प्रणाली का, संचालन करता है।

- vii. वर्णानुक्रम रोटेशन द्वारा क्षेत्र में विद्युत व्यापारियों का प्रतिनिधित्व करने वाला एक सदस्य, जिसने पिछले वित्तीय वर्ष के दौरान 500 मिलियन यूनिट से अधिक का व्यापार किया हो।

(vii) क्षेत्र के साथ विद्युत अंतः-कनेक्शन वाले देशों के साथ सीमा-पार विद्युत लेनदेन के समन्वय के लिए भारत सरकार द्वारा नियुक्त प्रत्येक नोडल एजेंसी में से प्रत्येक का एक प्रतिनिधि।

- viii. सदस्य सचिव, एसआरपीसी - संयोजक।

जहां कहीं भी किसी सदस्य का प्रतिनिधित्व रोटेशन द्वारा किया जाता है, नामांकन एक वर्ष की अवधि के लिए होगा। केंद्रीय सार्वजनिक क्षेत्र के उपक्रमों (सीपीएसयू) को छोड़कर, जहां प्रतिनिधि भी कार्यकारी निदेशक के स्तर का भी हो सकता है, संबंधित संगठनों का प्रतिनिधि या तो संगठन का प्रमुख होना चाहिए या कम से कम वह व्यक्ति हो जो कंपनी/कॉर्पोरेट इकाई के बोर्ड के निदेशक के पद से नीचे का नहीं होना चाहिए।

4. एसआरपीसी का अध्यक्ष वर्णानुक्रम क्रम में रोटेशन द्वारा क्षेत्र के राज्यों/संघ राज्य क्षेत्रों का प्रतिनिधित्व करेंगे। उस विशेष राज्य से एसआरपीसी के सदस्य अपने में से एसआरपीसी के अध्यक्ष को नामित करेंगे। अध्यक्ष का कार्यकाल एक वर्ष की अवधि के लिए होगा।

5. समिति का मुख्यालय नई दिल्ली में स्थित होगा।

6. समिति निम्नलिखित कार्यों का निर्वहन करेगी:

1. ग्रिड प्रदर्शन में सुधार के लिए क्षेत्रीय स्तर पर संचालन का विश्लेषण करना।

2. विद्युत के अंतर-राज्य/अंतर-क्षेत्रीय अंतरण को सुविधाजनक बनाना।

3. सीटीयू/एसटीयू के साथ अंतर-राज्यीय/अंतर-राज्यीय पारेषण प्रणाली से संबंधित आयोजना के सभी कार्यों को सुगम बनाना।

3क- संबंधित आरपीसी द्वारा प्रस्ताव प्राप्त होने के 45 दिनों के भीतर सीटीयू द्वारा नियोजित अंतर-राज्यीय पारेषण प्रणाली पर विचार प्रदान करना। नई अंतर-राज्यीय पारेषण प्रणाली के अनुमोदन के लिए विद्युत मंत्रालय को अपनी अनुशंसा भेजने के लिए राष्ट्रीय पारेषण समिति द्वारा आरपीसी के विचारों पर विचार-विमर्श किया जाएगा।

4. वार्षिक आधार पर क्षेत्र को विद्युत की आपूर्ति करने वाली अंतर-राज्य उत्पादन कंपनियों सहित क्षेत्र की विभिन्न उत्पादन कंपनियों की उत्पादन मशीनों की आयोजना और रखरखाव का समन्वय करना और मासिक आधार पर रखरखाव कार्यक्रम की समीक्षा भी करना।

5. मासिक आधार पर पारेषण प्रणाली के औटेज की आयोजना बनाना।

6. ग्रिड के स्थिर प्रचालन के लिए सुरक्षा अध्ययन सहित प्रचालनात्मक आयोजना अध्ययन करना।

7. प्रणाली अध्ययन समिति और संस्थापित कैपेसिटरों की निगरानी के माध्यम से प्रतिक्रियाशील मुआवजे की आवश्यकता की समीक्षा के माध्यम से उचित वोल्टेज बनाए रखने की आयोजना बनाना।

8. क्षेत्र में विद्युत प्रणाली के प्रचालन में मितव्ययता और दक्षता से संबंधित सभी मुद्दों पर सर्वसम्मति विकसित करना।

7. जैसा कि एसआरएलडीसी को समिति के एक सदस्य के रूप में प्रतिनिधित्व के लिए निरूपित किया जाएगा, एसआरएलडीसी द्वारा क्षेत्रीय ग्रिड के प्रचालन और विद्युत के शेड्यूलिंग तथा प्रेषण के संबंध में सर्वसम्मति से प्राप्त समिति के निर्णयों का पालन केंद्रीय आयोग के निर्देशों, यदि कोई हो, के अधीन किया जाएगा।
8. इस समिति का अपना एक सचिवालय होगा जिसकी अध्यक्षता समिति के सदस्य सचिव करेंगे। सचिवालय के लिए सदस्य सचिव के साथ साथ अन्य कर्मचारियों को केंद्रीय विद्युत प्राधिकरण द्वारा उस तरीके से-उपलब्ध कराया जाएगा जैसा कि पूर्ववर्ती दक्षिण क्षेत्रीय विद्युत बोर्ड को उपलब्ध कराया जा रहा था।
9. समिति अपनी बैठक के संचालन और अन्य संबंधित मामलों के लिए कार्य के अपने नियम स्वयं बनाएगी।
10. समिति अपनी उपसमितियों-, कार्यबलों, तदर्थ समितियों और स्थायी समितियों का गठन कर सकती है, जिसे कुशल कामकाज के लिए आवश्यक समझा जाए। यह विशिष्ट प्रकृति के मुद्दों पर सलाह देने के लिए, यदि आवश्यक हो, प्रतिष्ठित विशेषज्ञों के समूह समितियां भी स्थापित कर सकता है। उप समितियों आदि के प्रतिनिधि का स्तर संबंधित मुद्दों की प्रकृति पर निर्भर / करेगा।
11. एसआरपीसी की महीने में कम से कम एक बार बैठक होगी। उप समितियों, कार्यबलों, तदर्थ समितियों और एसआरपीसी की स्थायी समितियों की आवश्यकता पड़ने पर बैठक हो सकती है।
12. यह संकल्प प्रधान संकल्प दिनांक 25 मई, 2005 और तदन्तर संशोधनों दिनांक 29 नवंबर, 2005, 9 मई, 2008, 5 मई, 2017 और 21 दिसंबर, 2017 का अधिक्रमण करता है।
13. यह संकल्प राजपत्र में प्रकाशन की तारीख से प्रवृत्त होगा।

घनश्याम प्रसाद, संयुक्त सचिव

RESOLUTION

New Delhi, the 3rd December, 2021

F.No. 23/21/2021-R&R.—Sub-section (55) of section 2 of the Electricity Act, 2003 envisages the establishment of Regional Power Committees (RPCs) by a resolution of the Central Government for a specified region for facilitating the integrated operation of the power system in that region.

2. Section 29 (4) of the Act further provides that the RPC of the region may, from time to time, agree on matters concerning the stability and smooth operation of the integrated grid and economy and efficiency in the operation of the power system in that region.

3. In pursuance of the aforesaid provisions, the Central Government hereby establishes the Southern Regional Power Committee (SRPC) comprising the States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Telangana and the Union Territory of Puducherry with the following members:-

- i. Member (Grid Operation & Distribution), Central Electricity Authority (CEA).
- ii. One representative each of Central Generating Companies, Central Transmission Utility (CTU), Central Government owned Transmission Company, National Load Despatch Centre (NLDC) and the Southern Regional Load Despatch Centre (SRLDC).
- iii. From each of the States in the region, the State Generating Company, State Transmission Utility (STU), State Load Despatch Centre (SLDC), one of the State owned distribution companies as nominated by the State Government and one distribution company by alphabetical rotation out of the private distribution companies functioning in the region.
- iv. From each of the Union Territories in the region, a representative nominated by the administration of the Union Territory concerned out of the entities engaged in generation/ transmission/ distribution of electricity in the Union Territory.
- v. A representative each of every generating company (other than central generating companies or State Government owned generating companies) having more than 1000 MW installed capacity in the region.
- vi. A representative of the generating companies having power plants in the region (not covered in (ii) to (v) above) by alphabetical rotation.

- (via) A representative of one private transmission licensee, nominated by Central Government, operating the Inter State Transmission System, by alphabetical rotation out of such Transmission Licensee operating in the region.
- vii. One member representing the electricity traders in the region by alphabetical rotation, which have trading volume of more than 500 million units during the previous financial year.
- (viii) A representative each of every Nodal Agency appointed by the Government of India for coordinating cross-border power transactions with the countries having electrical inter-connection with the region.”
- viii. Member Secretary, SRPC – Convenor

Wherever a member is represented by rotation, the nomination would be for a period of one year. The representative from respective organizations should be either the head of the organization or at least a person not below the rank of a Director on the Board of the company/corporate entity except for Central Public Sector Undertakings (CPSUs) where representative could also be at the level of Executive Director.

4. Chairperson of the SRPC would represent the States/UTs of the region by rotation in alphabetical order. Members of the SRPC from that particular State would nominate the Chairperson of SRPC from amongst themselves. The term of the Chairperson would be for a period of one year.
5. The Headquarters of the Committee will be located at New Delhi.
6. The Committee shall discharge following functions:
1. To undertake Regional Level operation analysis for improving grid performance.
 2. To facilitate inter-state/inter-regional transfer of power.
 3. To facilitate all functions of planning relating to inter-state/ intra-state transmission system with CTU/STU.
- 3A- To provide views on the inter-state transmission system planned by CTU within 45 days of receipt of the proposal by the concerned RPC. The views of RPC will be considered by National Committee on Transmission for sending their recommendation to Ministry of Power for approval of new inter-state transmission system.
4. To coordinate planning & maintenance of generating machines of various generating companies of the region including those of inter-state generating companies supplying electricity to the Region on an annual basis and also to undertake review of maintenance programme on a monthly basis.
 5. To undertake planning of outage of transmission system on a monthly basis.
 6. To undertake operational planning studies including protection studies for stable operation of the grid.
 7. To undertake planning for maintaining proper voltages through review of reactive compensation requirement through system study committee and monitoring of installed capacitors.
 8. To evolve consensus on all issues relating to economy and efficiency in the operation of power system in the region.
7. As SRLDC would be represented as one of the member of the Committee, the decisions of Committee arrived at by consensus regarding operation of the regional grid and scheduling and dispatch of electricity will be followed by SRLDC subject to directions of the Central Commission, if any.
8. The Committee shall have a secretariat of its own which will be headed by the Member Secretary of the Committee. The Member Secretary as well as other staff for the secretariat shall be provided by the Central Electricity Authority in the manner as was being provided to the erstwhile Southern Regional Electricity Board.
9. The Committee will frame its own rules of business for the conduct of its meeting and other related matters.
10. The Committee may constitute its Sub-committees, Task Forces, Ad hoc Committees and Standing Committees, as deemed necessary for efficient functioning. It may also set up, if required, Groups / Committees of eminent experts to advise it on issues of specific nature. The level of the representative to the Sub Committees etc would depend on the nature of the issue concerned.
11. The SRPC shall meet at least once in a month. Sub Committees, Task Forces, Ad hoc Committees and Standing Committees of the SRPC could meet as and when required.
12. This Resolution supersedes the Principal Resolution dated 25th May, 2005 and subsequent amendments dated 29th November 2005, 9th May 2008, 5th May 2017 and 21st December 2017.

13. This resolution shall come into force from the date of publication in the Gazette.

GHANSHYAM PRASAD, Jt. Secy.

संकल्प

नई दिल्ली, 3 दिसम्बर, 2021

फा.सं. 23/21/2021-आरएंडआर.—विद्युत अधिनियम, 2003 की धारा 2 की उप-धारा (55) में किसी क्षेत्र में केंद्रीय सरकार के एक संकल्प द्वारा किसी क्षेत्र विशेष के लिए उस क्षेत्र में विद्युत प्रणाली के समेकित प्रचालन को सुविधाजनक बनाने हेतु क्षेत्रीय विद्युत समितियों (आरपीसी) की स्थापना किये जाने की परिकल्पना की गई है।

2. अधिनियम की धारा 29 (4) में आगे प्रावधान किया गया है कि क्षेत्र में क्षेत्रीय विद्युत समिति समय-समय पर उस क्षेत्र में समेकित ग्रिड के स्थिरता एवं निर्बाध प्रचालन और विद्युत प्रणाली के प्रचालन में मितव्ययिता व दक्षता से संबंधित मामलों पर सहमति प्रदान कर सकती है।

3. उपरोक्त प्रावधानों के अनुसरण में, केंद्र सरकार एतद्वारा निम्नलिखित सदस्यों के साथ बिहार, झारखंड, ओडिशा, पश्चिम बंगाल और सिक्किम राज्यों को शामिल करते हुए पूर्वी क्षेत्रीय विद्युत समिति (ईआरपीसी) की स्थापना करती है:-

- i. सदस्य (ग्रिड संचालन एवं वितरण), केंद्रीय विद्युत प्राधिकरण (सीईए)।
- ii. केन्द्रीय उत्पादन कंपनियों, केन्द्रीय पारेषण यूटिलिटी (सीटीयू), केंद्र सरकार के स्वामित्व वाली पारेषण कंपनी, राष्ट्रीय भार प्रेषण केंद्र (एनएलडीसी) और पूर्वी क्षेत्रीय भार प्रेषण केंद्र (ईआरएलडीसी) प्रत्येक से एक-एक प्रतिनिधि।
- iii. क्षेत्र के प्रत्येक राज्य से, राज्य उत्पादन कंपनी, राज्य पारेषण यूटिलिटी (एसटीयू), राज्य भार प्रेषण केंद्र (एसएलडीसी), राज्य सरकार द्वारा नामित राज्य के स्वामित्व वाली वितरण कंपनियों में से एक और इस क्षेत्र में कार्यशील निजी वितरण कंपनियों में से वर्णानुक्रम रोटेशन द्वारा एक वितरण कंपनी।
- iv. इस क्षेत्र में 1000 मेगावाट से अधिक संस्थापित क्षमता वाली प्रत्येक उत्पादन कंपनी (केंद्रीय उत्पादन कंपनियों या राज्य सरकार के स्वामित्व वाली उत्पादन कंपनियों को छोड़कर) में से प्रत्येक का एक प्रतिनिधि।
- v. वर्णानुक्रम रोटेशन द्वारा इस क्षेत्र (जो उपरोक्त (ii) से (iv) में शामिल नहीं हैं) में विद्युत संयंत्र रखने वाली उत्पादन कंपनियों का एक प्रतिनिधि।

(vक) केंद्र सरकार द्वारा नामित, एक निजी पारेषण लाइसेंसधारी का एक प्रतिनिधि, जो उस क्षेत्र में प्रचालनरत ऐसे पारेषण लाइसेंसधारी में से वर्णानुक्रम रोटेशन द्वारा, अंतर राज्यीय पारेषण प्रणाली का, संचालन करता है।

- vi. वर्णानुक्रम रोटेशन द्वारा क्षेत्र में विद्युत व्यापारियों का प्रतिनिधित्व करने वाला एक सदस्य, जिसने पिछले वित्तीय वर्ष के दौरान 500 मिलियन यूनिट से अधिक का व्यापार किया हो।

(viक) क्षेत्र के साथ विद्युत अंतः-कनेक्शन वाले देशों के साथ सीमा-पार विद्युत लेनदेन के समन्वय के लिए भारत सरकार द्वारा नियुक्त प्रत्येक नोडल एजेंसी में से प्रत्येक का एक प्रतिनिधि।

- vii. सदस्य सचिव, ईआरपीसी - संयोजक।

जहां कहीं भी किसी सदस्य का प्रतिनिधित्व रोटेशन द्वारा किया जाता है, नामांकन एक वर्ष की अवधि के लिए होगा। केंद्रीय सार्वजनिक क्षेत्र के उपक्रमों (सीपीएसयू) को छोड़कर, जहां प्रतिनिधि भी कार्यकारी निदेशक के स्तर का भी हो सकता है संबंधित संगठनों का प्रतिनिधि या तो संगठन का प्रमुख होना चाहिए या कम से कम वह व्यक्ति हो जो कंपनी/कॉर्पोरेट इकाई के बोर्ड के निदेशक के पद से नीचे का नहीं होना चाहिए।

4. ईआरपीसी का अध्यक्ष वर्णानुक्रम क्रम में रोटेशन द्वारा क्षेत्र के राज्यों/संघ राज्य क्षेत्रों का प्रतिनिधित्व करेंगे। उस विशेष राज्य से ईआरपीसी के सदस्य अपने में से ईआरपीसी के अध्यक्ष को नामित करेंगे। अध्यक्ष का कार्यकाल एक वर्ष की अवधि के लिए होगा।

5. समिति का मुख्यालय नई दिल्ली में स्थित होगा।

6. समिति निम्नलिखित कार्यों का निर्वहन करेगी:
 1. ग्रिड प्रदर्शन में सुधार के लिए क्षेत्रीय स्तर पर संचालन का विश्लेषण करना।
 2. विद्युत के अंतर-राज्य/अंतर-क्षेत्रीय अंतरण को सुविधाजनक बनाना।
 3. सीटीयू/एसटीयू के साथ अंतर-राज्यीय/अंतरा-राज्यीय पारेषण प्रणाली से संबंधित आयोजना के सभी कार्यों को सुगम बनाना।

3क- संबंधित आरपीसी द्वारा प्रस्ताव प्राप्त होने के 45 दिनों के भीतर सीटीयू द्वारा नियोजित अंतर-राज्यीय पारेषण प्रणाली पर विचार प्रदान करना। नई अंतर-राज्यीय पारेषण प्रणाली के अनुमोदन के लिए विद्युत मंत्रालय को अपनी अनुशंसा भेजने के लिए राष्ट्रीय पारेषण समिति द्वारा आरपीसी के विचारों पर विचार-विमर्श किया जाएगा।
 4. वार्षिक आधार पर क्षेत्र को विद्युत की आपूर्ति करने वाली अंतर-राज्य उत्पादन कंपनियों सहित क्षेत्र की विभिन्न उत्पादन कंपनियों की उत्पादन मशीनों की आयोजना और रखरखाव का समन्वय करना और मासिक आधार पर रखरखाव कार्यक्रम की समीक्षा भी करना।
 5. मासिक आधार पर पारेषण प्रणाली के औटैज की आयोजना बनाना।
 6. ग्रिड के स्थिर प्रचालन के लिए सुरक्षा अध्ययन सहित प्रचालनात्मक आयोजना अध्ययन करना।
 7. प्रणाली अध्ययन समिति और संस्थापित कैपेसिटर्स की निगरानी के माध्यम से प्रतिक्रियाशील मुआवजे की आवश्यकता की समीक्षा के माध्यम से उचित वोल्टेज बनाए रखने की आयोजना बनाना।
 8. क्षेत्र में विद्युत प्रणाली के प्रचालन में मितव्ययता और दक्षता से संबंधित सभी मुद्दों पर सर्वसम्मति विकसित करना।
7. जैसाकि ईआरएलडीसी को समिति के एक सदस्य के रूप में प्रतिनिधित्व के लिए निरूपित किया जाएगा, ईआरएलडीसी द्वारा क्षेत्रीय ग्रिड के प्रचालन और विद्युत के शेड्यूलिंग और प्रेषण के संबंध में सर्वसम्मति से प्राप्त समिति के निर्णयों का पालन केंद्रीय आयोग के निर्देशों, यदि कोई हो, के अधीन किया जाएगा।
8. इस समिति का अपना एक सचिवालय होगा जिसकी अध्यक्षता समिति के सदस्य सचिव करेंगे। सचिवालय के लिए सदस्य सचिव के साथ रा उस तरीके से साथ अन्य कर्मचारियों को केंद्रीय विद्युत प्राधिकरण द्वा-उपलब्ध कराया जाएगा जैसा कि पूर्ववर्ती पूर्वी क्षेत्रीय विद्युत बोर्ड को उपलब्ध कराया जा रहा था।
9. समिति अपनी बैठक के प्रचालन और अन्य संबंधित मामलों के लिए कार्य के अपने नियम स्वयं बनाएगी।
10. समिति अपनी उपसमितियों-, कार्यबलों, तदर्थ समितियों और स्थायी समितियों का गठन कर सकती है, जिसे कुशल कामकाज के लिए आवश्यक समझा जाए। यह विशिष्ट प्रकृति के मुद्दों पर सलाह देने के लिए, यदि आवश्यक हो, प्रतिष्ठित विशेषज्ञों के समूहों की प्रकृति पर निर्समितियां भी स्थापित कर सकता है। उप समितियों आदि के प्रतिनिधि का स्तर संबंधित मु/भर करेगा।
11. ईआरपीसी की महीने में कम से कम एक बार बैठक होगी। उप समितियों, कार्यबलों, तदर्थ समितियों और ईआरपीसी की स्थायी समितियों की आवश्यकता पड़ने पर बैठक हो सकती है।
12. यह संकल्प प्रधान संकल्प दिनांक 25 मई, 2005 और तदन्तर संशोधनों दिनांक 29 नवंबर, 2005, 9 मई, 2008, 5 मई, 2017 और 21 दिसंबर, 2017 का अधिक्रमण करता है।
13. यह संकल्प राजपत्र में प्रकाशन की तारीख से प्रवृत्त होगा।

घनश्याम प्रसाद, संयुक्त सचिव

RESOLUTION

New Delhi, the 3rd December, 2021

F.No. 23/21/2021-R&R.—Sub-section (55) of section 2 of the Electricity Act, 2003 envisages the establishment of Regional Power Committees (RPCs) by a resolution of the Central Government for a specified region for facilitating the integrated operation of the power system in that region.

2. Section 29 (4) of the Act further provides that the RPC of the region may, from time to time, agree on matters concerning the stability and smooth operation of the integrated grid and economy and efficiency in the operation of the power system in that region.
3. In pursuance of the aforesaid provisions, the Central Government hereby establishes the Eastern Regional Power Committee (ERPC) comprising the States of Bihar, Jharkhand, Odisha, West Bengal and Sikkim with the following members:-
- i. Member (Grid Operation & Distribution), Central Electricity Authority (CEA).
 - ii. One representative each of Central Generating Companies, Central Transmission Utility (CTU), Central Government owned Transmission Company, National Load Despatch Centre (NLDC) and the Eastern Regional Load Despatch Centre (ERLDC).
 - iii. From each of the States in the region, the State Generating Company, State Transmission Utility (STU), State Load Despatch Centre (SLDC), one of the State owned distribution companies as nominated by the State Government and one distribution company by alphabetical rotation out of the private distribution companies functioning in the region.
 - iv. A representative each of every generating company (other than central generating companies or State Government owned generating companies) having more than 1000 MW installed capacity in the region.
 - v. A representative of the generating companies having power plants in the region (not covered in (ii) to (iv) above) by alphabetical rotation.
 - (va) A representative of one private transmission licensee, nominated by Central Government, operating the Inter State Transmission System, by alphabetical rotation out of such Transmission Licensee operating in the region.
 - vi. One member representing the electricity traders in the region by alphabetical rotation, which have trading volume of more than 500 million units during the previous financial year.
 - (via) A representative each of every Nodal Agency appointed by the Government of India for coordinating cross-border power transactions with the countries having electrical inter-connection with the region.”
 - vii. Member Secretary, ERPC – Convenor. Wherever a member is represented by rotation, the nomination would be for a period of one year. The representative from respective organizations should be either the head of the organization or at least a person not below the rank of a Director on the Board of the company/corporate entity except for Central Public Sector Undertakings (CPSUs) where representative could also be at the level of Executive Director.
4. Chairperson of the ERPC would represent the States of the region by rotation in alphabetical order. Members of the ERPC from that particular State would nominate the Chairperson of ERPC from amongst themselves. The term of the Chairperson would be for a period of one year.
5. The Headquarters of the Committee will be located at New Delhi.
6. The Committee shall discharge following functions:
1. To undertake Regional Level operation analysis for improving grid performance.
 2. To facilitate inter-state/inter-regional transfer of power.
 3. To facilitate all functions of planning relating to inter-state/ intra-state transmission system with CTU/STU.
 - 3A- To provide views on the inter-state transmission system planned by CTU within 45 days of receipt of the proposal by the concerned RPC. The views of RPC will be considered by National Committee on Transmission for sending their recommendation to Ministry of Power for approval of new inter-state transmission system.
 4. To coordinate planning & maintenance of generating machines of various generating companies of the region including those of inter-state generating companies supplying electricity to the Region on an annual basis and also to undertake review of maintenance programme on a monthly basis.
 5. To undertake planning of outage of transmission system on a monthly basis.
 6. To undertake operational planning studies including protection studies for stable operation of the grid.
 7. To undertake planning for maintaining proper voltages through review of reactive compensation requirement through system study committee and monitoring of installed capacitors.
 8. To evolve consensus on all issues relating to economy and efficiency in the operation of power system in the region.

7. As ERLDC would be represented as one of the member of the Committee, the decisions of Committee arrived at by consensus regarding operation of the regional grid and scheduling and dispatch of electricity will be followed by ERLDC subject to directions of the Central Commission, if any.
8. The Committee shall have a secretariat of its own which will be headed by the Member Secretary of the Committee. The Member Secretary as well as other staff for the secretariat shall be provided by the Central Electricity Authority in the manner as was being provided to the erstwhile Eastern Regional Electricity Board.
9. The Committee will frame its own rules of business for the conduct of its meeting and other related matters.
10. The Committee may constitute its Sub-committees, Task Forces, Ad hoc Committees and Standing Committees, as deemed necessary for efficient functioning. It may also set up, if required, Groups / Committees of eminent experts to advise it on issues of specific nature. The level of the representative to the Sub Committees etc would depend on the nature of the issue concerned.
11. The ERPC shall meet at least once in a month. Sub Committees, Task Forces, Ad hoc Committees and Standing Committees of the ERPC could meet as and when required.
12. This Resolution supersedes the Principal Resolution dated 25th May, 2005 and subsequent amendments dated 29th November 2005, 9th May 2008, 5th May 2017 and 21st December 2017.
13. This resolution shall come into force from the date of publication in the Gazette.

GHANSHYAM PRASAD, Jt. Secy.

संकल्प

नई दिल्ली, 3 दिसम्बर, 2021

फा.सं. 23/21/2021-आरएंडआर.—विद्युत अधिनियम, 2003 की धारा 2 की उप-धारा (55) में किसी क्षेत्र में केंद्रीय सरकार के एक संकल्प द्वारा किसी क्षेत्र विशेष के लिए उस क्षेत्र में विद्युत प्रणाली के समेकित प्रचालन को सुविधाजनक बनाने हेतु क्षेत्रीय विद्युत समितियों (आरपीसी) की स्थापना किये जाने की परिकल्पना की गई है।

2. अधिनियम की धारा 29 (4) में आगे प्रावधान किया गया है कि क्षेत्र में क्षेत्रीय विद्युत समिति समय-समय पर उस क्षेत्र में समेकित ग्रिड के स्थिरता एवं निर्बाध प्रचालन और विद्युत प्रणाली के प्रचालन में मितव्ययिता व दक्षता से संबंधित मामलों पर सहमति प्रदान कर सकती है।

3. उपरोक्त प्रावधानों के अनुसरण में, केंद्र सरकार एतद्वारा निम्नलिखित सदस्यों के साथ असम, अरुणाचल प्रदेश, मणिपुर, मेघालय, मिजोरम, नागालैंड और त्रिपुरा राज्यों को शामिल करते हुए उत्तर पूर्वी क्षेत्रीय विद्युत समिति (एनईआरपीसी) की स्थापना करती है:-

- i. सदस्य (ग्रिड संचालन एवं वितरण), केंद्रीय विद्युत प्राधिकरण (सीईए)।
- ii. केन्द्रीय उत्पादन कंपनियों, केन्द्रीय पारेषण यूटिलिटी (सीटीयू), केंद्र सरकार के स्वामित्व वाली पारेषण कंपनी, राष्ट्रीय भार प्रेषण केंद्र (एनएलडीसी) और उत्तर पूर्वी क्षेत्रीय भार प्रेषण केंद्र (एनईआरएलडीसी) प्रत्येक से एक-एक प्रतिनिधि।
- iii. क्षेत्र के प्रत्येक राज्य से, राज्य उत्पादन कंपनी, राज्य पारेषण यूटिलिटी (एसटीयू), राज्य भार प्रेषण केंद्र (एसएलडीसी), राज्य सरकार द्वारा नामित राज्य के स्वामित्व वाली वितरण कंपनियों में से एक और इस क्षेत्र में कार्यशील निजी वितरण कंपनियों में से वर्णानुक्रम रोटेशन द्वारा एक वितरण कंपनी।
- iv. इस क्षेत्र में 1000 मेगावाट से अधिक संस्थापित क्षमता वाली प्रत्येक उत्पादन कंपनी (केंद्रीय उत्पादन कंपनियों या राज्य सरकार के स्वामित्व वाली उत्पादन कंपनियों को छोड़कर) में से प्रत्येक का एक प्रतिनिधि।
- v. वर्णानुक्रम रोटेशन द्वारा इस क्षेत्र (जो उपरोक्त (ii) से (iv) में शामिल नहीं हैं) में विद्युत संयंत्र रखने वाली उत्पादन कंपनियों का एक प्रतिनिधि।

(vक) केंद्र सरकार द्वारा नामित, एक निजी पारेषण लाइसेंसधारी का एक प्रतिनिधि, जो उस क्षेत्र में प्रचालनरत ऐसे पारेषण लाइसेंसधारी से वर्णानुक्रम रोटेशन द्वारा, अंतर राज्यीय पारेषण प्रणाली का, संचालन करता है।

- vi. वर्णानुक्रम रोटेशन द्वारा क्षेत्र में विद्युत व्यापारियों का प्रतिनिधित्व करने वाला एक सदस्य, जिसने पिछले वित्तीय वर्ष के दौरान 500 मिलियन यूनिट से अधिक का व्यापार किया हो।

(vिक) क्षेत्र के साथ विद्युत अंतः-कनेक्शन वाले देशों के साथ सीमा-पार विद्युत लेनदेन के समन्वय के लिए भारत सरकार द्वारा नियुक्त प्रत्येक नोडल एजेंसी में से प्रत्येक का एक प्रतिनिधि।

vii. सदस्य सचिव, एनईआरपीसी - संयोजक।

जहां कहीं भी किसी सदस्य का प्रतिनिधित्व रोटेशन द्वारा किया जाता है, नामांकन एक वर्ष की अवधि के लिए होगा। केंद्रीय सार्वजनिक क्षेत्र के उपक्रमों (सीपीएसयू) को छोड़कर, जहां प्रतिनिधि भी कार्यकारी निदेशक के स्तर का भी हो सकता है संबंधित संगठनों का प्रतिनिधि या तो संगठन का प्रमुख होना चाहिए या कम से कम वह व्यक्ति हो जो कंपनी/कॉर्पोरेट इकाई के बोर्ड के निदेशक के पद से नीचे का नहीं होना चाहिए।

4. एनईआरपीसी का अध्यक्ष वर्णानुक्रम क्रम में रोटेशन द्वारा क्षेत्र के राज्यों/संघ राज्य क्षेत्रों का प्रतिनिधित्व करेंगे। उस विशेष राज्य से एनईआरपीसी के सदस्य अपने में से एनईआरपीसी के अध्यक्ष को नामित करेंगे। अध्यक्ष का कार्यकाल एक वर्ष की अवधि के लिए होगा।

5. समिति का मुख्यालय नई दिल्ली में स्थित होगा।

6. समिति निम्नलिखित कार्यों का निर्वहन करेगी:

1. ग्रिड प्रदर्शन में सुधार के लिए क्षेत्रीय स्तर पर संचालन का विश्लेषण करना।

2. विद्युत के अंतर-राज्य/अंतर-क्षेत्रीय अंतरण को सुविधाजनक बनाना।

3. सीटीयू/एसटीयू के साथ अंतर-राज्यीय/अंतरा-राज्यीय पारेषण प्रणाली से संबंधित आयोजना के सभी कार्यों को सुगम बनाना।

3क- संबंधित आरपीसी द्वारा प्रस्ताव प्राप्त होने के 45 दिनों के भीतर सीटीयू द्वारा नियोजित अंतर-राज्यीय पारेषण प्रणाली पर विचार प्रदान करना। नई अंतर-राज्यीय पारेषण प्रणाली के अनुमोदन के लिए विद्युत मंत्रालय को अपनी अनुशंसा भेजने के लिए राष्ट्रीय पारेषण समिति द्वारा आरपीसी के विचारों पर विचार-विमर्श किया जाएगा।

4. वार्षिक आधार पर क्षेत्र को विद्युत की आपूर्ति करने वाली अंतर-राज्य उत्पादन कंपनियों सहित क्षेत्र की विभिन्न उत्पादन कंपनियों की उत्पादन मशीनों की आयोजना और रखरखाव का समन्वय करना और मासिक आधार पर रखरखाव कार्यक्रम की समीक्षा भी करना।

5. मासिक आधार पर पारेषण प्रणाली के औटैज की आयोजना बनाना।

6. ग्रिड के स्थिर प्रचालन के लिए सुरक्षा अध्ययन सहित प्रचालनात्मक आयोजना अध्ययन करना।

7. प्रणाली अध्ययन समिति और संस्थापित कैपेसिटरों की निगरानी के माध्यम से प्रतिक्रियाशील मुआवजे की आवश्यकता की समीक्षा के माध्यम से उचित वोल्टेज बनाए रखने की आयोजना बनाना।

8. क्षेत्र में विद्युत प्रणाली के प्रचालन में मितव्ययता और दक्षता से संबंधित सभी मुद्दों पर सर्वसम्मति विकसित करना।

7. जैसा कि एनईआरएलडीसी को समिति के एक सदस्य के रूप में प्रतिनिधित्व के लिए निरूपित किया जाएगा, एनईआरएलडीसी द्वारा क्षेत्रीय ग्रिड के प्रचालन और विद्युत के शेड्यूलिंग और प्रेषण के संबंध में सर्वसम्मति से प्राप्त समिति के निर्णयों का पालन केंद्रीय आयोग के निर्देशों, यदि कोई हो, के अधीन किया जाएगा।

8. इस समिति का अपना एक सचिवालय होगा जिसकी अध्यक्षता समिति के सदस्य सचिव करेंगे। सचिवालय के लिए सदस्य सचिव के साथ रण द्वारा उस तरीके से साथ अन्य कर्मचारियों को केंद्रीय विद्युत प्राधिक-उपलब्ध कराया जाएगा जैसा कि पूर्ववर्ती उत्तर पूर्वी क्षेत्रीय विद्युत बोर्ड को उपलब्ध कराया जा रहा था।

9. समिति अपनी बैठक के प्रचालन और अन्य संबंधित मामलों के लिए कार्य के अपने नियम स्वयं बनाएगी।

10. समिति अपनी उपसमितियों-, कार्यबलों, तदर्थ समितियों और स्थायी समितियों का गठन कर सकती है, जिसे कुशल कामकाज के लिए आवश्यक समझा जाए। यह विशिष्ट प्रकृति के मुद्दों पर सलाह देने के लिए, यदि आवश्यक हो, प्रतिष्ठित विशेषज्ञों के समूह स्तर संबंधित मुद्दों की प्रकृति पर निर्भर समितियां भी स्थापित कर सकता है। उप समितियों आदि के प्रतिनिधि का / करेगा।

11. एनईआरपीसी की महीने में कम से कम एक बार बैठक होगी। उप समितियों, कार्यबलों, तदर्थ समितियों और ईआरपीसी की स्थायी समितियों की आवश्यकता पड़ने पर बैठक हो सकती है।

12. यह संकल्प प्रधान संकल्प दिनांक 25 मई, 2005 और तदन्तर संशोधनों दिनांक 29 नवंबर, 2005, 9 मई, 2008, 5 मई, 2017 और 21 दिसंबर, 2017 का अधिक्रमण करता है।
13. यह संकल्प राजपत्र में प्रकाशन की तारीख से प्रवृत्त होगा।

घनश्याम प्रसाद, संयुक्त सचिव

RESOLUTION

New Delhi, the 3rd December, 2021

F.No. 23/21/2021-R&R.—Sub-section (55) of section 2 of the Electricity Act, 2003 envisages the establishment of Regional Power Committees (RPCs) by a resolution of the Central Government for a specified region for facilitating the integrated operation of the power system in that region.

2. Section 29 (4) of the Act further provides that the RPC of the region may, from time to time, agree on matters concerning the stability and smooth operation of the integrated grid and economy and efficiency in the operation of the power system in that region.

3. In pursuance of the aforesaid provisions, the Central Government hereby establishes the North Eastern Regional Power Committee (NERPC) comprising the States of Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland and Tripura with the following members:-

- i. Member (Grid Operation & Distribution), Central Electricity Authority (CEA).
- ii. One representative each of Central Generating Companies, Central Transmission Utility (CTU), Central Government owned Transmission Company, National Load Despatch Centre (NLDC) and the North Eastern Regional Load Despatch Centre (NERLDC).
- iii. From each of the States in the region, the State Generating Company, State Transmission Utility (STU), State Load Despatch Centre (SLDC), one of the State owned distribution companies as nominated by the State Government and one distribution company by alphabetical rotation out of the private distribution companies functioning in the region.
- iv. A representative each of every generating company (other than central generating companies or State Government owned generating companies) having more than 1000 MW installed capacity in the region.
- v. A representative of the generating companies having power plants in the region (not covered in (ii) to (iv) above) by alphabetical rotation.

(va) A representative of one private transmission licensee, nominated by Central Government, operating the Inter State Transmission System, by alphabetical rotation out of such Transmission Licensee operating in the region.
- vi. One member representing the electricity traders in the region by alphabetical rotation, which have trading volume of more than 500 million units during the previous financial year.

(via) A representative each of every Nodal Agency appointed by the Government of India for coordinating cross-border power transactions with the countries having electrical inter-connection with the region.”
- vii. Member Secretary, NERPC – Convenor. Wherever a member is represented by rotation, the nomination would be for a period of one year. The representative from respective organizations should be either the head of the organization or at least a person not below the rank of a Director on the Board of the company/corporate entity except for Central Public Sector Undertakings (CPSUs) where representative could also be at the level of Executive Director.

4. Chairperson of the NERPC would represent the States of the region by rotation in alphabetical order. Members of the NERPC from that particular State would nominate the Chairperson of NERPC from amongst themselves. The term of the Chairperson would be for a period of one year.

5. The Headquarters of the Committee will be located at New Delhi.

6. The Committee shall discharge following functions:

1. To undertake Regional Level operation analysis for improving grid performance.
2. To facilitate inter-state/inter-regional transfer of power.
3. To facilitate all functions of planning relating to inter-state/ intra-state transmission system with CTU/STU.

- 3A- To provide views on the inter-state transmission system planned by CTU within 45 days of receipt of the proposal by the concerned RPC. The views of RPC will be considered by National Committee on Transmission for sending their recommendation to Ministry of Power for approval of new inter-state transmission system.
4. To coordinate planning & maintenance of generating machines of various generating companies of the region including those of inter-state generating companies supplying electricity to the Region on an annual basis and also to undertake review of maintenance programme on a monthly basis.
 5. To undertake planning of outage of transmission system on a monthly basis.
 6. To undertake operational planning studies including protection studies for stable operation of the grid.
 7. To undertake planning for maintaining proper voltages through review of reactive compensation requirement through system study committee and monitoring of installed capacitors.
 8. To evolve consensus on all issues relating to economy and efficiency in the operation of power system in the region.
7. As NERLDC would be represented as one of the member of the Committee, the decisions of Committee arrived at by consensus regarding operation of the regional grid and scheduling and dispatch of electricity will be followed by NERLDC subject to directions of the Central Commission, if any.
8. The Committee shall have a secretariat of its own which will be headed by the Member Secretary of the Committee. The Member Secretary as well as other staff for the secretariat shall be provided by the Central Electricity Authority in the manner as was being provided to the erstwhile North Eastern Regional Electricity Board.
9. The Committee will frame its own rules of business for the conduct of its meeting and other related matters.
10. The Committee may constitute its Sub-committees, Task Forces, Ad hoc Committees and Standing Committees, as deemed necessary for efficient functioning. It may also set up, if required, Groups / Committees of eminent experts to advise it on issues of specific nature. The level of the representative to the Sub Committees etc would depend on the nature of the issue concerned.
11. The NERPC shall meet at least once in a month. Sub Committees, Task Forces, Ad hoc Committees and Standing Committees of the NERPC could meet as and when required.
12. This Resolution supersedes the Principal Resolution dated 25th May, 2005 and subsequent amendments dated 29th November 2005, 9th May 2008, 5th May 2017 and 21st December 2017.
13. This resolution shall come into force from the date of publication in the Gazette.

GHANSHYAM PRASAD, Jt. Secy.



भारत का राजपत्र The Gazette of India

सी.जी.-डी.एल.-अ.-04012022-232398
CG-DL-E-04012022-232398

असाधारण
EXTRAORDINARY

भाग I—खण्ड 1
PART I—Section 1

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 01]

नई दिल्ली, सोमवार, जनवरी 3, 2022/पौष 13, 1943

No. 01]

NEW DELHI, MONDAY, JANUARY 3, 2022/PAUSHA 13, 1943

विद्युत मंत्रालय

शुद्धिपत्र

नई दिल्ली, 17 दिसम्बर, 2021

सं. 23/21/2021-आरएंडआर.—विद्युत मंत्रालय ने दिनांक 03.12.2021 के संकल्प सं. 23/21/2021-आरएंडआर द्वारा विद्युत अधिनियम, 2003 की धारा 2 की उप-धारा 55 के अंतर्गत पश्चिम क्षेत्रीय विद्युत समिति की स्थापना की है।

2. पूर्वोक्त संकल्प के पैरा 5 में, शब्द 'नई दिल्ली' को 'मुंबई' पढ़ा जाए।

घनश्याम प्रसाद, संयुक्त सचिव

MINISTRY OF POWER

CORRIGENDUM

New Delhi, the 17th December, 2021

No. 23/21/2021-R&R.—Ministry of Power vide Resolution No. 23/21/2021-R&R dated 03.12.2021 has established Western Regional Power Committee under sub-section 55 of section 2 of the Electricity Act, 2003.

2. In para 5 of the aforesaid Resolution, the word "New Delhi" may be read as "Mumbai".

GHANSHYAM PRASAD, Jt. Secy.

शुद्धिपत्र

नई दिल्ली, 17 दिसम्बर, 2021

सं. 23/21/2021-आरएंडआर.—विद्युत मंत्रालय ने दिनांक 03.12.2021 के संकल्प सं. 23/21/2021-आरएंडआर द्वारा विद्युत अधिनियम, 2003 की धारा 2 की उप-धारा 55 के अंतर्गत दक्षिण क्षेत्रीय विद्युत समिति की स्थापना की है।

2. पूर्वोक्त संकल्प के पैरा 5 में, शब्द 'नई दिल्ली' को 'बेंगलुरु' पढ़ा जाए।

घनश्याम प्रसाद, संयुक्त सचिव

CORRIGENDUM

New Delhi, the 17th December, 2021

No. 23/21/2021-R&R.—Ministry of Power vide Resolution No. 23/21/2021-R&R dated 03.12.2021 has established Southern Regional Power Committee under sub-section 55 of section 2 of the Electricity Act, 2003.

2. In para 5 of the aforesaid Resolution, the word "New Delhi" may be read as "Bengaluru".

GHANSHYAM PRASAD, Jt. Secy.

शुद्धिपत्र

नई दिल्ली, 17 दिसम्बर, 2021

सं. 23/21/2021-आरएंडआर.—विद्युत मंत्रालय ने दिनांक 03.12.2021 के संकल्प सं. 23/21/2021-आरएंडआर द्वारा विद्युत अधिनियम, 2003 की धारा 2 की उप-धारा 55 के अंतर्गत पूर्वी क्षेत्रीय विद्युत समिति की स्थापना की है।

2. पूर्वोक्त संकल्प के पैरा 5 में, शब्द 'नई दिल्ली' को 'कोलकाता' पढ़ा जाए।

घनश्याम प्रसाद, संयुक्त सचिव

CORRIGENDUM

New Delhi, the 17th December, 2021

No. 23/21/2021-R&R.—Ministry of Power vide Resolution No. 23/21/2021-R&R dated 03.12.2021 has established Eastern Regional Power Committee under sub-section 55 of section 2 of the Electricity Act, 2003.

2. In para 5 of the aforesaid Resolution, the word "New Delhi" may be read as "Kolkata".

GHANSHYAM PRASAD, Jt. Secy.

शुद्धिपत्र

नई दिल्ली, 17 दिसम्बर, 2021

सं. 23/21/2021-आरएंडआर.—विद्युत मंत्रालय ने दिनांक 03.12.2021 के संकल्प सं. 23/21/2021-आरएंडआर द्वारा विद्युत अधिनियम, 2003 की धारा 2 की उप-धारा 55 के अंतर्गत उत्तर-पूर्वी क्षेत्रीय विद्युत समिति की स्थापना की है।

2. पूर्वोक्त संकल्प के पैरा 5 में, शब्द 'नई दिल्ली' को 'शिलांग' पढ़ा जाए।

घनश्याम प्रसाद, संयुक्त सचिव

CORRIGENDUM

New Delhi, the 17th December, 2021

No. 23/21/2021-R&R.—Ministry of Power vide Resolution No. 23/21/2021-R&R dated 03.12.2021 has established North Eastern Regional Power Committee under sub-section 55 of section 2 of the Electricity Act, 2003.

2. In para 5 of the aforesaid Resolution, the word “New Delhi” may be read as “Shillong”.

GHANSHYAM PRASAD, Jt. Secy.