



Agenda

for

45th Meeting

of

EASTERN REGIONAL POWER COMMITTEE

Date: 26th March, 2022

Time: 10:00 Hrs

The Indo Hokke Hotel, Rajgir

EASTERN REGIONAL POWER COMMITTEE

**AGENDA FOR THE 45TH MEETING
OF
EASTERN REGIONAL POWER COMMITTEE**

Date: 26.03.2022

Place: The Indo Hokke Hotel, Rajgir

PART-A: CONFIRMATION OF MINUTES

ITEM NO. A: Confirmation of the Minutes of 44th ERPC Meeting

The minutes of the 44th ERPC meeting held on 30.09.2021 in Kolkata were issued and uploaded on ERPC website (www.erpc.gov.in) vide ref. no. ERPC/TCC_ERPC_Committee/2021/973 dated 21.10.2021.

Members may confirm the minutes of 44th ERPC Meeting.

PART-B: ITEMS FOR DISCUSSION

ITEM NO B. 1: Issues referred to ERPC by TCC in its 45th Meeting held on 25.03.2022

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

B1.1. Technical minimum schedule support to ISGS plants of Eastern Region by availing URS power of surrendered beneficiaries

As per prevailing practice in Eastern Region, ISGS stations are provided with Technical Minimum schedule support. In the event where sum of requisition from all the beneficiaries falls below technical minimum, the beneficiary schedule is jacked up to provide technical minimum schedule to the generators.

However, in the light of CERC Order on Petition No: 60/MP/2019, the practice of jacking up surrendered schedule of beneficiaries shall be withdrawn, except in cases as mandated in Section 5.7 of detailed Reserve Shutdown Procedure (RSD) (CERC Order No. - L-1/219/2017-CERC), which states:

Quote

RLDC shall Suo-moto revise the schedule of any generating station as per clauses 6.5.14 and 6.5.20 of the Grid Code to operate at or above technical minimum in the ratio of under-requisitioned quantum (with respect to technical minimum) in the interest of smooth system operation under the following conditions:

- ✓ *Extreme variation in Weather Conditions*
- ✓ *High Load Forecast*
- ✓ *To maintain reserves on regional or all India basis*
- ✓ *Network Congestion*
- ✓ *Any other event which in the opinion of RLDC/NLDC shall affect the grid security.*

While doing so, it is possible that the requisition of some beneficiaries may go up to ensure technical minimum. In this case, SLDCs may surrender power from some other inter-State generating station(s) or intra-State generating station(s) based on merit order. The concerned RLDC shall issue R-1 schedule accordingly and this shall be intimated to the concerned generating station, through the scheduling process.”

Unquote.

In the 184th OCC meeting, after detailed deliberation, OCC opined that:

- The existing practice would be continued until a decision is taken.
- In the meantime, Odisha would submit a detailed proposal along with the WRPC’s decision before the next OCC for further deliberation on the matter.

In the 185th OCC meeting, ERPC representative briefly explained the issue stating that whenever the sum of the requisitions given by the beneficiaries fall below the technical minimum, to keep the generator on bar RLDC jacks up the schedule, because of which some of the beneficiaries are being scheduled against their zero requisition. It was also stated that as per the CERC order on Petition No: 60/MP/2019, the jacking up of the schedule is to be discontinued except on some special occasions. Further, as per the discussions in the CERC meeting with RPCs held on 17.11.2021 regarding the agenda “Issue related to Reserve Shutdown (RSD) of ISGS station”, it was informed that necessary amendment in the IEGC Grid Code shall be incorporated by Hon’ble CERC to address this issue.

ERPC representative further submitted that until such amendment in the IEGC, the above issue may be addressed in 3 ways.

1. Generator may go on RSD and in that case, it may take considerable amount of time to revive the unit and in case beneficiaries need any power they would have to approach the market.
2. Continuation of the existing practice of jacking up of the schedule.
3. A mutual agreement may be worked out in which the beneficiary(s) who are ready to avail the URS power to keep the generator on bar, may be incentivised by waiving off the fixed charges up to the technical minimum schedule.

After detailed deliberation OCC opined that since the above issue involves some commercial implications, therefore it may be deliberated further in a separate forum to reach a final consensus. OCC advised all the Constituents to forward their views and comments to ERPC Secretariat within 10 days.

In the 186th OCC meeting, after detailed deliberation and also considering the seriousness of the issue OCC opined that a special meeting may be convened on 30th Dec 2021 to deliberate further on this matter and come to a collaborative solution.

In the special meeting dated 30.12.2021, after detailed deliberation the followings were decided:

1. A working Committee may be formed consisting of the representatives from West Bengal, Odisha, Bihar, NTPC, ERLDC and ERPC for detailed study of the methodology devised in Western Region and formulation of similar methodology pertaining to Eastern Region.
2. A mutual agreement may be worked out in which the beneficiary(s) who are ready to avail the URS power to keep the generator on bar, may be incentivised by waiving off the fixed charges up to the technical minimum schedule.
3. Beneficiaries to bear a certain percentage (e.g. 100%, 75%, 50%, 0% etc) of fixed charge(FC) of the URS availed by the availing beneficiary/beneficiaries up to the technical minimum. This FC waive off % to be finalized by the beneficiaries.
4. NTPC to continuously display the cost of the URS power available at the discounted rate. Beneficiaries participating in the scheme shall avail the URS power based on their MoD.
5. The devised methodology would be put up before the next TCC/ERPC Meeting for necessary approval.
6. ERLDC to continue the prevailing practice of jacking up of schedule till 31st January 2022.

In the Working Committee meeting dated 10.02.2022, Member Secretary informed that in line with the decision taken in the special meeting held on 30.12.2021, ERLDC has stopped jacking up the schedule of the beneficiaries for providing technical minimum schedule to the generators if the sum of requisition by beneficiaries falls short of Technical Minimum schedule w.e.f 1st February 2022 as per CERC Order in Petition No: 60/MP/2019. He apprised the committee that NTPC vide mail dated 04th February 2022 had informed that many of their stations were scheduled below the technical minimum of the units during the lean period in most of the days.

ERLDC representative gave a brief presentation highlighting the behaviour of concerned beneficiaries of ER Thermal Power Plants during the lean period of the day from 1st February'2022 onwards. It was observed that the beneficiaries of Northern region are giving zero schedule during off-peak hours and as a result the generators are getting schedule below Technical Minimum on most of the days.

After detailed deliberation, the following decisions were taken:

1. Beneficiaries would try their best to give the schedule up to technical minimum to keep the units on bar enabling the thermal power plants to avoid going for RSD. Further, beneficiaries would do the realistic assessment of their demand and submit their requisition accordingly so that sufficient time is available to Generators and other beneficiaries to explore other options (like selling in RTM etc).

2. Waiver of Fixed Cost for Scheduling up to technical minimum: West Bengal, Odisha, Bihar agreed for 100% FC waive off and DVC agreed for 50% FC waive off. Jharkhand representative was not present in the meeting. However, as per the comment received from Jharkhand, they would inform about FC waive off in the upcoming Commercial Committee Meeting (CCM). It was observed that for time being 0% FC waive off may be considered for Sikkim considering its insignificant share in NTPC Stations as compared to other beneficiaries of ER. It was also emphasised that for successful implementation of the mechanism a uniform % of FC waiver would need to be adopted. The same shall be further deliberated in forth coming CCM.
3. NTPC would develop the Software and a portal for displaying the cost of the URS power available at the discounted rate up to the Technical Minimum of their station wise generating units within 15 days. NTPC would further expedite the implementation of the software for adoption of the agreed methodology.
4. In case, no beneficiary comes forward to avail the power at discounted rate as reflected in NTPC portal, then NTPC would participate in Real-Time Market of Power Exchange for achieving Technical Minimum Schedule to keep the units on bar.
5. ERPC would place this issue as an agenda item for discussion in the upcoming NPC Meeting for including beneficiaries of other regions under this methodology.

In light of the above, for giving technical minimum schedule support to ISGS stations of Eastern Region, Jharkhand and Sikkim may give their consent for Fixed Cost waive off for better implementation of the scheme finalised in the working committee meeting.

In the 45th CCM, Jharkhand representative agreed for 100 % Fixed Cost waive off for other beneficiaries availing its share up to the technical minimum.

No response received from Sikkim during the agenda item discussion. CCM agreed with Working Committee's decision to consider 0% waive off for Sikkim in view of it insignificant share in NTPC Stations as compared to other beneficiaries of ER.

CCM forum advised all beneficiaries Eastern Region to waive off 100 % of their Fixed Cost of the URS power up to Technical Minimum schedule of ISGS stations to incentivize willing beneficiaries to participate in the scheme.

CCM further advised for placing this agenda in the upcoming TCC/ERPC meeting for approval of the scheme.

The scheme finalized after detailed deliberation in the Working Committee meeting and in the 45th Commercial Committee meeting is enclosed at **Annexure B1**.

TCC may approve the scheme.

Deliberation in the 45th TCC meeting:

MS ERPC gave an overview of the issue in short. He further requested DVC to reconsider their FC waive off percentage. For successful implementation of the scheme 100% FC waive off by all the concerned beneficiaries would be desirable.

DVC representative agreed for 100 % Fixed Cost waive off for other beneficiaries availing its share up to the technical minimum.

Sikkim representative also agreed for 100% FC waive off up to the technical minimum.

On query, NTPC representative informed that development of the software would be completed by 11th April'2022 and the portal would be live by 14th April 2022.

TCC approved the scheme and referred it to ERPC for final approval.

ERPC may approve.

B1.2. Proposal for constitution of Transmission Planning Sub-Committee of ERPC

MoP vide office order dated 21.10.2021 had dissolved the Regional Power Committee(Transmission Planning) for all the region and decided that regional level consultation of ISTS planning will be done in regional power committees.

As per the electricity act 2003, CTU and ER STUs have to prepare the plan in coordination with ERPC. Further RPC has to facilitate the planning of inter as well as intra state transmission plans with ER STUs and CTU. Some of the state regulations and grid code also reiterates the same and requires the feedback and suggestion of ERPC to be included during transmission plan submission by ER STUs to their respective regulators.

In view of above, it is hereby proposed to constitute a sub-committee on transmission planning to provide appropriate consultation on transmission planning, facilitating coordination between CTU and STU including consideration of operational feedback of SLDC and ERLDC during coordinated planning and coordination between different ER STUs.

Scope of work of Planning sub-committee will be as follows:

1. Coordination between CTU and STU for timely data exchange and power system network modelling for coordinated planning process.
2. Discussion on CTU and STU transmission plan and providing technical suggestion/comments/feedback on these plans

3. Technical Comments in interstate transmission system to RPC for final endorsement for onwards sending to CTU.
4. Monitoring of implementation discussed plan for operational planning of regional grid
5. Technical Comments and feedback on NCT referred projects for sending to RPC for endorsement, discussion and approval
6. Joint planning study requirement between CTU and STU
7. Any other activities assigned by ERPC related to transmission planning activity

Members may discuss.

Deliberation in the 45th TCC meeting:

After detailed deliberation, TCC decided to constitute a planning sub-committee with members from each of the state transmission utilities, SLDCs, DVC, ERLDC & ERPC Secretariat.

The scope of the committee would be to study and give suggestions on the intra-state transmission planning proposals submitted by the state transmission utilities including DVC before the committee.

TCC advised the concerned constituents to give their nominations latest by 7th April'2022.

TCC further referred it to ERPC forum for necessary approval.

ERPC may approve.

B1.3. Replacement of ICT- POWERGRID Odisha.

A. Urgent requirement for replacement of 315MVA, 400/220/33kV ICT#2 at Rengali S/S:

- I. The BHEL make 315MVA, 400/220/33kV ICT#2 of Rengali Substation was commissioned in 1990 under JTSS Project and the said ICT is of 32 years old (Year of Manufacturing: 1987). The said ICT has completed its useful life of 25 years.
- II. Condition based monitoring/ maintenance of transformers/ reactors like DGA, Tan delta measurement of bushings & windings, oil parameters, Furan analysis, FDS, IR of core insulation etc are being carried out by POWERGRID to know the healthiness. During condition monitoring of the said ICT, violation has been observed in the test parameters and condition of the ICT found not good. M/s CPRI (Third party) was approached by POWERGRID to analyse the test results of said equipment and to know the condition of the equipment. The test results were analysed by CPRI and based on the test results, CPRI has recommended to replace the said unit. The letter of CPRI is enclosed herewith.
- III. Said ICT has already completed more than 25 years of useful service life and due to ageing chances of its failure is always high. Failure of the transformer may result into constraint in meeting power demand of Odisha.

- IV. Therefore, it was proposed to replace the 400kV 3ph BHEL make 315MVA ICT-II at Rengali under ADDCAP. Petition for approval of replacement of the ICT was filed in CERC under JTTS system. CERC has directed POWERGRID to seek approval of RPC.
- V. Based on the 41st TCC recommendation in respect of the replacement of old 315 MVA ICTs, the subject 315MVA ICT of Rengali S/S may please be agreed to be replaced with a 500MVA ICT considering increased power requirement, availability and reliability of power supply to the state of Odisha.

B. Urgent Requirement for replacement of 3x105 MVA, 400/220/33KV ICT-1 at Jeypore S/s.

- I. The BHEL make 3x105MVA, 400/220/33kV ICT#1 of Jeypore Substation was commissioned in 1990 under JTSS Project and the said ICT is of 32 years old (Year of Manufacturing: 1987). The said ICT has already successfully completed its useful life of 25 years.
- II. Condition based monitoring/ maintenance of transformers/ reactors like DGA, Tan delta measurement of bushings & windings, oil parameters, Furan analysis, FDS, IR of core insulation etc are being carried out by POWERGRID to know the healthiness. During condition monitoring of the ICT-I Yph, violation has been observed in the test parameters and condition of the ICT found not good. M/s CPRI (Third party) was approached by POWERGRID to analyse the test results of said unit and to know the condition of the equipment. The test results were analysed by CPRI and based on the test results, CPRI has recommended to replace the said unit. The letter of CPRI is enclosed herewith.
- III. Therefore, Petition for approval of replacement of the ICT was filed in CERC under JTTS system. CERC has directed POWERGRID to seek approval of RPC.
- IV. This is also pertinent to mention here that, the balance 2 Nos. single phase units (R-Ph & B-Ph) of 315MVA ICT#1 had already completed more than 25 years of useful service life and due to ageing chances of its failure is always high. Failure of the transformer may result into constraint in meeting power demand of Odisha. Hence, it is prudent to go for replacement of all the 3 single Phase units with a 500 MVA 3-Ph Unit at Jeypore S/S. Hence, replacement of the subject 3x105MVA ICT with a new 3ph ICT under ADD CAP is proposed.
- V. Based on the 41st TCC recommendation in regards to the replacement of old 315 MVA ICTs, the subject 3x105MVA ICT of Jeypore S/S may please be agreed to be replaced with a 500MVA ICT considering increased power requirement, availability and reliability of power supply to the state of Odisha.

In 187th OCC meeting, POWERGRID Odisha representative informed that as per the decision taken in the 41stTCC meeting, requirement analysis had to be done prior to replacement of old 315 MVA

ICTs with 500MVA ICTs. Further, a petition had already been filed before CERC by POWERGRID and as per CERC directive approval has to be taken from ERPC in this regard. Considering the future requirement, POWERGRID proposed to replace the ICTs which would further increase the life to 25 years.

SLDC Odisha and GRIDCO gave their consent for the proposal.

OCC opined that the above proposals would be shared with CTU & further approval.

CTU vide mail dated 18.02.2022 updated the following:

- Presently, there are 400/220kV, 2x315MVA ICTs at Rengali (POWERGRID) and 400/220kV, 2x630MVA (two blocks, each of 2x315MVA in parallel) ICTs at Jeypore (POWERGRID) substations. ICT loading detail of last one year has been obtained from ERLDC, and it has been observed that the existing transformation capacity at both substations is adequate.
- In view of the above, it may be noted that technically existing transformation capacity is required at both the substations. Thus, existing ICTs as per requirement may be taken up for replacement. However, considering the future requirement, the new ICTs could be of 500MVA.

TCC may please approve.

Deliberation in the 45th TCC meeting:

TCC approved the scheme and referred it to ERPC for further approval.

ERPC may approve.

B1.4. Demolition and reconstruction of residential Quarters at Rourkela S/S under O&M ADD-CAP 2019-24 block under Kahalgaon Transmission System (KHTL)

- A. Under the Kahalgaon Transmission System (KHTL), Rourkela S/S in Odisha was constructed and is in operation since 1993. The station has already completed more than 28 years of service.
- B. As part of this project, in addition to S/S equipment, Residential Buildings were also constructed at Rourkela S/S for the accommodation of employees to look after O&M of substation and were allotted to employees in these years. These residential buildings have already completed more than 28 years of life.
- C. In spite of regular maintenance, due to ageing these residential buildings are in dilapidated condition i.e. cracks in roof, walls, and floors, seepage in roofs and walls, wear and tear of window/doors, cisterns etc. have developed. The structural condition assessment of the building has been carried out through NIT, Rourkela. As per the assessment report, these buildings have exceeded the desired strength and serviceability limit states under gravity

loading. It does not have sufficient strength and stiffness against minimum lateral loading and it appears insufficient to consider the repair and rehabilitation of these buildings.

D. Further, as Rourkela S/S is a vital node in Eastern Grid, staff quarters are very much essential considering reliable operation of this vital Sub-station and Grid security aspects.

In view of the facts mentioned above, it is proposed for reconstruction of staff quarters which are in uninhabitable and unsafe condition. Tentative estimated cost for the said work comes to ₹ 8 crores.

E. Petition for the above work was already filed with CERC for approval under O&M ADD-CAP 2019-24 under KHTL project. During the hearing, CERC has advised POWERGRID to obtain approval of RPC and consent of beneficiaries for additional capital expenditure against these buildings and submit the same at the time of truing up for consideration of the instant case.

In 45th CCM, POWERGRID representative gave a brief presentation highlighting the present conditions of the residential quarters at their Rourkela Sub-station. Committee members agreed that the buildings need repair and renovation works. The committee observed that since these buildings have already completed 28 years of life, the capital expenditure on account of these buildings have already been recovered in tariff through the depreciation component.

GRIDCO representative submitted that the cost of reconstruction should not be burdened on beneficiary.

Since no consensus could be evolved, CCM advised to place this agenda in the upcoming TCC/ERPC meeting.

Deliberation in the 45th TCC meeting:

Powergrid representative gave a brief presentation on the issue of Demolition and reconstruction of residential Quarters at Rourkela S/S and highlighted that the present conditions of the quarters at the above location are unsafe to live in. Further, Powergrid submitted that the necessary regulatory provisions mandate the reconstructions of the Residential quarters.

Bihar, GRIDCO, WBSEDCL & Jharkhand representatives submitted that the residential quarters may be constructed by Powergrid considering the safety aspects and necessary regulatory provisions. However, the cost of reconstruction should not be burdened on the beneficiaries.

After detailed deliberation, as no consensus was arrived at, TCC referred it to ERPC forum for further deliberation.

ERPC may discuss.

B1.5. Demolition and Reconstruction of Residential / Non-residential Buildings under O&M ADD-CAP 2019-24 block for Farakka Transmission System at Biharsharif & Jamshedpur S/S and Chukha project at Purnea S/s

Under the Farakka Transmission System, Biharsharif & Jamshedpur S/S were constructed and are in operation since 1989. The stations have already completed more than 32 years of service.

Under the Chukha Transmission System, 220/132kV Purnea S/S was constructed and is in operation since 1985. The station has already completed more than 36 years of service. As part of above projects at Biharsharif, Jamshedpur and Purnea, in addition to S/S equipment, Residential Buildings were also constructed for accommodation of employees to look after O&M of Substation and were allotted to employees in these years. These residential buildings have already completed more than 32 years of life.

In spite of regular maintenance, due to ageing, these buildings are in dilapidated condition i.e. cracks in roof, walls and floors, seepage in roofs and walls, wear and tear of windows/doors, cisterns etc have developed. The existing buildings were constructed as per load bearing type structure (non-RCC framed structure). It is worth to mention here that some of the above location falls under high seismic zone (Purnea: Seismic zone-V, Biharsharif: Seismic zone-IV)

The structural condition assessment of the buildings at Jamshedpur, Biharsharif and Purnea has been carried out through NIT Patna. The reports submitted by NIT Patna. As per the assessment report, these buildings have exceeded the desired strength and serviceability limit states under gravity loading, does not have sufficient strength and stiffness against minimum lateral loading. Also these buildings are highly distressed and design of building is also deficient in resisting earthquake. The vertical load carrying structures are found with voids and degradation, badly damaged with visible cracks and there is no benefit to carry these structures with repair or retrofitting.

As per the techno economic feasibility, these existing buildings should be demolished and reconstruction with disaster resilient features as per NBC 2016 and relevant byelaws is suggested.

Further, as all 03 substations i.e. Jamshedpur, Biharsharif and Purnea are critical and very important substations of Eastern Grid. Staff quarters for round the clock manning and O&M is vital for reliability of these substations and Grid security.

In view of the above facts, it is proposed for reconstruction of these buildings which are in uninhabitable and unsafe condition. The tentative estimated cost for demolition & construction of new residential / Non-residential buildings at all 04 locations shall be approx. Rs 19.0 Crores.

Petition for the Farakka Transmission System work were already filed with CERC for approval under O&M ADD-CAP 2019-24 and order has been issued on 18.10.2021. As per the order, CERC has advised POWERGRID to obtain approval of beneficiaries in RPC meeting for additional capital expenditure against these buildings and submit a separate petition for ADD-CAP towards "building and civil works" for consideration by the Commission.

Petition for the CHUKHA project was already filed with CERC for approval under O&M ADD-CAP 2019-24 and order received on 09.08.2021. In the tariff order, CERC directed POWERGRID

to obtain approval of RPC and file a separate petition for the ACE towards “building and civil works” for consideration by the Commission.

Agenda is put up for kind consent of ER constituents for demolition of existing residential /non-residential buildings and construction of new building as per requirement of the system for smooth O&M activities.

In 45th CCM, POWERGRID representative gave a brief presentation highlighting the present conditions of the residential quarters at Jamshedpur, Biharsharif and Purnea S/s. The Committee members agreed that the buildings need repair and renovation works. The Committee observed that since these buildings have already completed 32 years of life, the capital expenditure on account of these buildings have already been recovered in tariff through the depreciation component.

GRIDCO representative submitted that the cost of reconstruction should not be burdened on beneficiary.

Since no consensus could be evolved, CCM advised to place this agenda in the upcoming TCC/ERPC meeting.

Deliberation in the 45th TCC meeting:

Powergrid representative gave a brief presentation on the issue of Demolition and Reconstruction of Residential / Non-residential Buildings at Biharsharif, Jamshedpur S/S and Purnea S/s and highlighted that the present conditions of the quarters at the above locations are unsafe to live in. Further, Powergrid submitted that the necessary regulatory provisions mandate the reconstructions of the Residential quarters.

Bihar, GRIDCO, WBSEDCL & Jharkhand representatives submitted that the residential quarters may be constructed by Powergrid considering the safety aspects and necessary regulatory provisions. However, the cost of reconstruction should not be burdened on the beneficiaries.

After detailed deliberation, as no consensus was arrived at, TCC referred it to ERPC forum for further deliberation.

ERPC may discuss.

B1.6. Non consideration of provision undersigned Transmission Service Agreement (TSA) by ERLDC while Issuing the successful Trial Operation certificate of Transmission elements/systems constructed by Transmission Service Provider (TSP) under TBCB.

Individual Transmission Service Provider has been selected through TBCB tenders to construct the respective Transmission elements/systems in view of the Tariff Based Competitive Bidding Guidelines for Transmission service and Guidelines for Encouraging Competition in Development of Transmission Projects issued by Government of India, MoP dated 13.04.2016.

Thereafter, Transmission Service Agreement (TSA) are being executed between Long term Transmission Service Customers (LTTCs) and TSP for the respective Project scope which consist different Transmission elements. In this regard various TSAs have also been signed by the State Discoms of Eastern Region including Bihar Discoms with TSPs for the different Transmission Project/Elements such as Alipurduar Transmission Limited, PMJTL, PMTL, DMTCL etc. These TSAs consist of the provisions related with Connection and Commissioning of the Projects such as interconnection and commercial operation. For example the related provisions of commercial operation in the TSA dated 22.09.2015 (executed between ATL and LTTCs including Bihar Discoms) is given as below:

Article 6.2.1

“An Element of the Project shall be declared to have achieved COD seventy two (72) hours following the connection of the Element with the Interconnection Facilities or seven (7) days after the date on which it is declared by the TSP to be ready for charging but is not able to be charged for reasons not attributable to the TSP or seven (7) days after the date of deferment, if pursuant to Article 6.1.2...

Provided that an element shall be declared to have achieved COD only after all the element(s), if any, which are pre-required to achieved COD as defined in schedule-3 of this agreement, have been declared to have achieved their respective COD.”

However, on perusal of the Trail- Operation certificates issued by ERLDC in case of ATL for various elements, it is observed that the said Trail- Operation certificates was issued after observing Trial-run of the individual Transmission element for 24 hrs only which is contradictory to the stipulated mandatory provision of 72 hrs under Article 6.2.1 of the TSAs.

In this regard, Bihar Discoms vide letter no.124 dated 24.08.2020 had raised the issue before ERLDC. In reply to which ERLDC vide its letter no. 0962 dated 25.08.2020 had stated that ERLDC only certifies the 24 hrs continuous power flow as trial run operation of any ISTS elements as per IEGC clause no 6.3.A.5.

In the similar nature, the issue was re-observed in case of trial operation certificate issued by ERLDC in case of PMTL for various elements. The provision of the TSA clearly provides for 72 hrs of successful trial operation of the individual elements whereas ERLDC has issued Trail operation certificate considering only 24 hrs of trail operation. Matter has been once again highlighted to the ERLDC by Bihar Discoms, vide Chief Engineer (Commercial), letter no. 30 dated 15.02.2022.

(Copy of communication exchange between ERLDC and Bihar Discoms is attached herewith as **Annexure-B23**)

It is pertinent to mention here that in case of TSA executed with ATL there are 9 no of LTTCs such as WBSEDCL, GRIDCO, JBVNL, EPDS, MSPDCL, DOPN, AEGCL, NBPDC and SBPDCL is the Lead LTC. Further, in case of TSA executed with PMTL there are 7 no of LTTCs such as GRIDCO, DVC, JBVNL, NBPDC, SBPDCL and WBSDECL is Lead LTC.

Deliberation in the 45th TCC meeting:

Bihar representative informed that ERLDC has not considered the provisions of Transmission Service Agreement (TSA) while issuing the successful Trial Operation certificate of Transmission elements/systems constructed by DMTCL, ATL, PMJTL & PMTL under TBCB project. Further, he informed that ERLDC only certifies the 24 hrs continuous power flow as trial run operation of any ISTS elements as per IEGC clause but as per TSA agreement article 6.2.1 An Element of the Project shall be declared to have achieved COD only after seventy-two (72) hours of continuous power flow.

ERLDC representative informed that the trial operation certificate issued by them are based on prevailing CERC IEGC regulation. This has no connection with CoD of the transmission element.

ERPC secretariat informed that as per IEGC 4th Amendment regulation, CoD of the ISTS scheme under TBCB project will be done as per the provisions of TSA agreement.

TCC observed that the consent for date of Commercial operation is given by Long term Transmission Customers only and ERLDC has no role in CoD declaration. The LTTCs may seek data from ERLDC before giving consent for CoD declaration as per the TSA agreement.

TCC opined that the onus of declaring CoD of a Transmission element in case of TBCB project lies with the respective TSP and should be governed by provisions of TSA.

ERPC may guide.

B1.7. Non-Supply of Power by JITPL (2 X 600 MW), Derang, Angul to GRIDCO as per PPA dated 05.01.2011

As per the long term PPA signed by JITPL with GRIDCO dated 05.01.2011, the IPP is obliged to supply of 12% power sent out from the Thermal Power Plant at variable cost Energy Charge Rate (ECR). The COD of the generating station was attained on 19th April, 2015. JITPL was supplying power through CTU network, in absence of connectivity to STU network, by bearing POC charges and losses (as per the Supplementary PPA dated 23.07.2013 with GRIDCO) till 22.05.2019 at provisional ECR fixed by OERC from time to time in ARR orders of GRIDCO. GRIDCO availed power supply through inter-state STOA and scheduling was done by ERLDC.

However, under the garb of interim stay order dated 16.05.2019 of Hon'ble Orissa High Court in WP© No. 18150 of 2018 (challenging the MOU, State Thermal Policy and PPA), JITPL has unilaterally stopped supplying power to GRIDCO, though there is no specific direction for non-supply of power to the State. A copy of the Hon'ble OHC is enclosed as **Annexure-B24**.

At present the generation from both the Units is to the tune of 1042 MW and is supplying power to States like, Kerala, Bihar, Karnataka, Gujrat, Tamil Nadu etc whereas not supplying to the host State Odisha, even after availing concessional land, water and coal under the MOU with Govt. of Odisha.

GRIDCO has raised this issue through various correspondences with ERPC/ERLDC to take necessary action as per statute/law so that, JITPL shall supply power to the State.

In 189th OCC Meeting, GRIDCO explained the issue in brief. JITPL representative was not present in the meeting. After detailed deliberation OCC referred the issue to TCC for further deliberation.

Deliberation in the 45th TCC meeting:

GRIDCO representative informed that JITPL has moved Hon'ble High Court of Odisha for termination of PPA & the Hon'ble court has not issued any order in this regard. But power scheduling to GRIDCO has been stopped unilaterally on request of JITPL. GRIDCO opined that the status quo should have been maintained. It was further requested by GRIDCO that the power scheduling to them as per PPA should be restored forthwith.

JITPL representative informed that the matter is under sub-judice.

TCC recommended to place this matter before ERPC for further deliberation.

ERPC may deliberate the issue.

B1.8. Strengthening of OPGW Network within the ER-Grid and connectivity with other regions.

In 42nd ERPC meeting, implementation of Strengthening of OPGW Network within the ER-Grid and connectivity with other regions was approved. Estimated cost of Rs. 83 Cr was indicated which was based on contracts awarded in 2018-19.

Contract for the above project has been placed on 15.11.2021, however the DPR cost is revised due to the following reasons-

- 1) Tender for OPGW based communication packages being carried out through Domestic Competitive Bidding for the first time in line with guidelines on public procurement.
- 2) Restriction of participation of OPGW manufacturers who have beneficial owners in countries land bordering with India in public procurements, in line with section 144 of GFR (General Financial Rules) guidelines issued by Department of Expenditure, GOI in July'20. Qualified bidders in these tenders were reduced to 3 from 5.
- 3) There is an increase in price of raw materials like Aluminium and steel over the last 5 years also.

Revised estimated DPR cost of the said project is approximately **Rs. 90 Cr.**

Deliberation in the 45th TCC meeting:

JUSNL representative submitted that the state wise cost breakup for the revised estimate of Rs 90 Cr. may be submitted.

TCC advised Powergrid to share the state-wise cost breakup.

TCC approved the revised cost and referred it to ERPC for further approval.

ERPC may approve.

B1.9. Anticipated power supply position of Jharkhand during upcoming Summer.

The abstract of peak demand (MW) vis-à-vis availability and energy requirement vis-à-vis availability (MU) for the month of March 2022 were prepared by ERPC Secretariat on the basis of LGBR for 2021-22 and feedback of constituents, keeping in view that the units are available for generation and expected load growth etc.

In the 188th OCC meeting, Jharkhand representative informed that their Peak demand for March'2022 is around 1700 MW, their generation target is around 1500 MW, and there will be a shortfall of around 200-300 MW in the peak demand for the month of March'2022. During deliberation, it has also emerged that Jharkhand is doing load shedding due to the inability to meet the peak demand of the state.

In 45th CCM, Jharkhand representative submitted that Sikidri HEP will be on bar on March'2022 and it can generate up to 100 MW. Hence, given their anticipated peak demand of 1700MW for March 2022, they are likely to face a peak shortfall of about 100MW. The committee expressed serious concern over the practice of meeting shortfall in peak demand by resorting to load shedding on a regular basis. It was observed that it is against the Government of India's motto of giving 24x7 uninterruptable power supply to consumers.

CCM forum advised Jharkhand to make alternate arrangements for meeting shortfall of peak demand either from power markets or from short-term power purchase agreements.

CCM further advised for placing this agenda in the upcoming TCC/ERPC meeting.

Deliberation in the 45th TCC meeting:

ERLDC informed that as per LGBR, there is a continuous shortfall in peak demand to the tune of 25-30% of their total demand.

JBVNL representative submitted that the problem of shortfall of peak demand would be mitigated once the hydro power plants start generating in coming days. Further one IPP, which is under AOH, will be on bar shortly. In addition to this, support from Sikidri HEP is available. JBVNL representative also highlighted the issue of delay in commissioning of North Karanpura TPP.

Communication has been received from MoP vide letter 22-302/1/2021-OM dated 25.03.2022 regarding surrender of around 76MW of power by Jharkhand from Farakka-III and NPGC for 5 years to Gujrat.

Jharkhand may explain.

ITEM NO B. 2: New Resolution dated 03.12.2021 of MoP regarding establishment of Regional Power Committees (RPCs)

Subsequent to the resolution dated 25.05.2005 regarding formation of the ERPC, MoP have passed new resolution dated 03.12.21 (copy enclosed at **Annexure-1**) for the establishment of Regional Power Committees (RPCs) for facilitating the integrated operation of the power system.

There are changes in the new resolution as compared to the previous resolution dated 25.05.2005 and amendments thereof. Following important clause wise changes are brought to the notice of RPC members:

(A) Addition of new members in ERPC

According to Clause 3 of the new resolution, the following new members are added as members of Eastern Regional Power Committee (ERPC):

1. According to the Clause 3(ii), Central Government owned Transmission company is added as new ERPC member. According to this clause, at present Powergrid is eligible for the ERPC membership. Therefore, Powergrid may be added as new ERPC member.

It may be noted that CTU, which was with Powergrid earlier, is already a member.

2. Clause 3(via) of the new resolution is reproduced here: “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.”

According to this clause, one member is added as a representative of transmission licensee in Eastern Region on rotation basis. The nomination of such transmission licensee will be provided by Central Government.

Therefore, one member as a representative of transmission licensee may be added as ERPC member.

ERPC may discuss.

(B) ERPC views on Inter-state Transmission system

Clause 6(3) of the new resolution is reproduced here:

“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.”

According to this clause, ERPC needs to provide views on the inter-state transmission system planned by CTU within 45 days of receipt of the proposal.

Therefore TCC/ERPC members may be required to meet within 45 days of receipt of proposal from CTU.

ERPC may discuss.

(C) Monthly meeting of ERPC

Clause (11) of the new resolution is reproduced here:

“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.”

ERPC may deliberate.

(D) Conduct of Business Rules of ERPC

The Conduct of business Rules, 2011 of ERPC is in force in accordance to the resolution dated 25.05.2005 and amendments thereof. The new resolution dated 03.12.2021 has been issued by MoP, GoI and there are changes w.r.t. the resolution dated 25.05.2005. To align the Conduct of Business Rules of ERPC with the resolution dated 03.12.2021, the Conduct of Business Rules, 2011 needs to be amended. Therefore, after the deliberation in the 45th ERPC, the revised Conduct of business Rules shall be put up in the 46th ERPC for approval.

ERPC may discuss.

ITEM NO B. 3: 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

The Payment for 1st & 2nd Batch of the training program has been released to M/s AIPM, CESC Ltd in the year 2019 and payment for 3rd & 4th batch of the training program has been released in the year 2020.

In 44th ERPC Meeting, ERPC secretariat intimated that 4 nos. of training program already completed and the remaining 4 no. of program would be continued after the normalization of current Covid situation.

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

ERPC may discuss.

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

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

(CEA), Ministry of Power, GoI has also been envisaged. A sanction of Rs. 5.46 Crore has been granted from PSDF for this project.

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

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

- i) The 1st training program was conducted for senior executives from 17th to 21st June, 2019 at Nord Pool, Norway.
- ii) The 2nd training program was conducted for mid-level executives from 19th to 23rd August, 2019 at Nord Pool, Norway.
- iii) 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 GoI to avoid travelling to the countries affected by Covid-19, the study program of 3rd batch was postponed with the approval of chairperson, ERPC.
- 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.

In 44th ERPC meeting, ERPC secretariat explained that first two batches of training program already completed and the 3rd & 4th batch of training program has to be postponed in view of COVID Pandemic. The same would be completed in consultation with PTC after the normalization of current Covid situation.

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

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

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

ERPC may guide.

ITEM NO B. 4: Web Based Protection Database and Desktop Based Protection Setting Calculation Tool for Eastern Regional Grid under PSDF Funding

The above project has been implemented by PRDC and declared Go Live on 31st October 2017. As per the scope of project the after declaration of Go Live of the project will be under Support period for five (5) years starting from 01.11.2017. As per the LoA the terms for the five-year support period are follows:

- Support period shall be for a period of 5 years beyond the date of Go Live.
- Technical support for the protection setting computational tool and training programs on every quarterly basis.
- Updating and entering the protection and network database of the ER region for the next five years on regular/daily basis which shall include changes in system configuration, addition of new substations, generators, etc.
- Bug fixing and free updation of the software release during the support period.
- Performing the grid disturbance simulation for the events occurring in the system on daily basis.
- Deployment of two qualified protection engineers full time for the support period. The engineers shall be available for the technical support during official working hours.
- Providing the expert technical advisory from the protection expert on the grid disturbance and simulation studies in the events of faults.

The requisition for final instalment of fund from PSDF was placed to Nodal Agency of PSDF i.e. NLDC and the same has been received in Jan'21.

The project has completed four (4) years of onsite support period and continuing with all the necessary updates. The vendor submitted a bill for ₹ 71,64,951/- (Rupees Seventy-one Lakhs Sixty four Thousand Nine Hundred and Fifty One only) for the 4th Year of Support Period starting from 01.11.2019 to 31.10.2020 which is 20% of contract value for the 5 year support period. The payment of Rs. 71,64,951/- has already been released in Dec'21 to M/s PRDC after the scrutiny of the works carried out during the subjected period.

ERPC may accord the approval of above payment.

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

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

44th ERPC advised all the utilities to submit their requirement, if any, by 15th October'2021. ERPC further advised ERPC Secretariat to prepare and submit a DPR for additional MiP-PSCT licenses required for ER utilities for PSDF funding.

The DPR for additional MiP-PSCT licenses was submitted to nodal agency on 22.03.2022 for PSDF funding.

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.

Subsequently the DPR was prepared and submitted to the nodal agency on 22.03.2022 for PSDF funding.

ERPC may note.

ITEM NO B. 7: Audit Observation on ERPC Funds

The audit of the ERPC Funds have been done by CAG and Auditor from States i.e. West Bengal and Bihar.

However few comments which have been submitted by the State Auditor are as mentioned below:

Auditor Remarks	Compliance of ERPC
1. As per ERPC (Establishment Fund) Regulations, 2011, the Fund shall be utilized within the budgeted approval of CEA. We noted that in some heads the expenditure exceeded the budgeted approval. In this case	Noted for future compliance.

CEA should have been appraised with the actual expenditure.	
2. Rs. 1,00,000/- received towards ERPC Fund has been wrongly booked under ERPC Establishment Fund.	Necessary correction has already been done.
3. No Journal Entry for any Receipt and Payment was made in Accounts.	Necessary action has been taken.
4. Provisions of Section 194 C of Income Tax Act should be strictly complied to avoid any fine or Penalty. We found the AMC Bill of Rs. 30000/- paid during F.Y. 20-21 was paid without deducting the TDS.	Noted for future compliance.
5. There must be proper vouchers for each and every Receipt and Payment.	Noted for compliance.
6. Rs.2,34,602/- has been paid towards Repair and Maintenance of Assets but we are unable to comment on the existence and value of the assets as no records were presented for verification of Assets.	Subject to consultation with members.
7. We found substantial number of Cash Transaction in ERPC Fund Account. It was observed that expenses were made/advances were given without following the financial rules/procedures.	Noted for future compliance.
8. Fund in Current Account maintained with Scheduled Bank should be kept in Sweep/FD form to ensure optimum utilization.	Will be implemented from 1 st April'2022.

ITEM NO B. 8: Reporting of expenditures from ERPC funds.

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

8.1: Expenditures incurred out of sanctioned amount from ERPC Establishment Fund-For information and approval of ERPC.

Expenditure incurred out of sanctioned amount from ERPC Establishment Fund- For information & approval of ERPC:				
Sl.No.	Heads of Expenditure	Description	Amount (In Rs.)	Remarks
1	Security and House keeping	For deployment of Manpower for Security &	4,90,431.00	For the period from August'21 to Jan'22

		Housekeeping in ERPC.		
2	Office Assistant & Helper	For deployment of Manpower for Office assistant, Electrician and MTS.	33,41,952.00	For the period from August'21 to Jan'22
3	Horticulture	Maintenance charges of Garden area including weeding, trimming, cutting etc. lawn moving, fountains, watering, apply of medicine as and when required including all labour & materials at ERPC Office & ERPC Residential Complex.	1,58,710.00	For the period from Sept'21 to Jan'22
4	Maintenance of 02 nos. ERPC Office Vehicle.	Maintenance of 02 nos. ERPC office vehicle which includes Fuel, Insurance along with servicing of the vehicle.	2,25,710.00	<u>For the period from Sept'21 to March'22</u> For Fuel- Rs.74,800.00 For Insurance of TATA HEXA-Rs.17903.00 For Maintenance of TATA HEXA-Rs.39,956.00 For Road Tax of TATA Hexa-Rs.92,051.00 For Fastag Recharge-Rs.1000.00
5	Consultant	Consultant and MTS engaged in ERPC office	4,00,000.00	For the period from Sept'21 to Feb'22
6	ERPC Office Establishment	Expenditure made for payment towards Internet Services, Maintenance of Elevator (Kone) in ERPC office complex and residential complex and Electricity bill of ERPC office complex and residential complex (CESC) Here it is to note that in the 44th ERPC meeting, an approval was accorded for Rs.27.41 Lakhs from ERPC Establishment Fund in lieu of restriction in expenditure from Govt. of India for budgetary allocation in the F.Y.-2021-2022	10,55,664.00	For AMC of Elevator- Rs.3,56,067.00 For Internet Services- Rs.1,12,100.00 For Electricity Charges- Rs.5,87,480.00

7	IT Services	Maintenance charges for PCs, LAN system, Printer and scanner. Purchase of colour printer		Rs.80,643.00
8	Operationalization of ERPC Guest House	In the 44th ERPC meeting Rs.9.7 Lakhs was sanctioned for procurement of various items for Guest House. In this regard a total amount of Rs.2.06 Lakhs was spent against this.	2,06,559.00	For Purchase items viz, Curtain, TV, Geyser, Bed Sheet, Blanket, Shoe Polish, machine, Steam Iron, Electric Kettle and Room Heater.
9	Maintenance of ERPC office building	Maintenance charges for non-comprehensive AMC of Firefighting system of ERPC Office Building 2nd Qtr.	27,258.00	
10	Reimbursement to Govt of India.	Reimbursement was made to the consolidated fund of Govt. of India towards the actual expenditure incurred by the office of the EPRC Secretariat from the period from July'21 to Dec'21(as per para-2 of regulations on ERPC Establishment Fund)	1,21,65,601.00	For 2nd Qtr (July'21 to September'21)- Rs.59,69,285.00 For 3rd Qtr. (Oct'21 to Dec'21)- Rs.61,96,316.00
11	Hosting of 44th ERPC Meeting	In the 44 th ERPC meeting Rs.20 Lakhs was sanctioned towards expenditure for hosting 44 th ERPC meeting which was held on 29th & 30th Sept'21 at Vedic Village, Kolkata. In which Rs.18.16 Lakhs was spent against the approved budget.	18,61,466.00	
12	Inspection and tour programme of 2nd subcommittee of Parliament of Official Language.	Expenditure made towards for organizing the inspection and tour programme of 2nd sub-committee of Parliament of official language to Food Corporation of India (FCI)	4,50,141.00	

13	Purchase of Laptop	In the 44 th ERPC meeting Rs.6 Lakhs was sanctioned for purchase of 7 nos. of Laptop. In this regard 5 nos. Laptop have been purchased amounting to Rs.4.64Lakhs. Rest Rs. 1.36 lakhs are left for further procurement.	4,64,500.00	
14	Purchase of Furniture for ERPC office	In the 44 th ERPC meeting Rs.7 lakhs was sanctioned for purchase of furniture for proper seating arrangement for ministerial staffs. Accordingly, the work was carried out and an amount of Rs.4.35 Lakhs was spent for this job.	4,35,136.00	
15	ERPC Café	For Commercial Gas connection along with purchase of utensils for ERPC Café	29,441.00	For Gas connection- Rs.7091.00 For Purchase of utensils- Rs.22350.00
16	Celebration of Hindi Week and 26th January 2022	Expenditure was made for celebration of Hindi week in Sept'2021 and 26 th Jan'2022 (Republic Day) in ERPC office.	92,190.00	For Hindi Week- Rs.80,500.00 For 26th Jan'2022 (Republic Day)- Rs.11690.00
17	Travelling Allowances	Travelling allowances for visit related to 45 th ERPC meeting at Rajgir	21,433.00	
18	Misc. Expenditure	For purchase of various miscellaneous items for ERPC office. For printing & fixing of 01 no. flex. Banner in connection with " Azadi ka Amrit Mahotsav" For audit of ERPC Funds payment made to auditor. For conveyance charge paid to MTS related Day to Day official work related to Bank and Post office	54,738.00	For Misc. Items- Rs.11,920.00 For Flex printing & fixing- Rs.19,824.00 For Audit- Rs.20,000.00 For Conveyance charge- Rs.2994.00
Total expenditure done			2,14,80,930.00	

**8.2: Proposal of expenditures to be incurred from 'ERPC Establishment Fund'
– For approval of ERPC**

ESTIMATED BUDGET FOR THE FINANCIAL YEAR 2022-2023

Sl.No.	Heads of Expenditure	Description	Per month (In Rs.)	Total Estimated Budget (In Rs.)
1	Security and House keeping	For deployment of Manpower for Security & Housekeeping in ERPC.	5,00,000.00	60,00,000.00
2	Office Assistant & Helper	For deployment of Manpower for Office assistant, Electrician and MTS.	7,20,000.00	86,40,000.00
2	Horticulture	Maintenance charges of Garden area including weeding, trimming, cutting etc. lawn moving, fountains, watering, apply of medicine as and when required including all labour & materials at ERPC Office & ERPC Residential Complex.	42,000.00	42,000.00
3	Maintenance of 02 nos. ERPC Office Vehicle.	Maintenance of 02 nos. ERPC office vehicle which includes Fuel, Insurance along with servicing of the vehicle.		2,40,000.00
4	Consultant	For consultation related to TAX, preparation of Income & Expenditure accounts etc.		2,50,000.00
5	Elevator	For renovation of 02 nos. elevator at ERPC residential building.		25,00,000.00
6	IT Services	Maintenance of ERPC Website, security audit, AMS, DMS along with maintenance of computer and LAN connection for ERPC office.		8,00,000.00
9	Operationalization of ERPC Guest House	In the 44th ERPC meeting Rs.9.7 Lakhs was sanctioned for procurement of various items for Guest House. In this regard a total amount of Rs.2.06 Lakhs was spent against this. Now the rest amount i.e.Rs.7.64 may be approved for further expenditure		7,64,000.00
10	Gym Maintenance	**In the 43rd ERPC meeting an amount of Rs.7 Lakhs was sanctioned for Installation of Gym in ERPC Residential building. **In the 44th ERPC meeting, it was informed to ERPC that Rs.4.9 Lakhs has been spent towards installation of Gym in ERPC residential complex and the rest amount Rs.2.11 lakhs have been kept for further expenditure. Now, it is being proposed that left over amount may be approved for maintenance along with further purchase		2,11,000.00

		of any essential if any related to Gym.		
11	Maintenance of ERPC office building	In the 44th ERPC meeting, Rs.10 Lakhs was sanctioned for minor repair works of ERPC office building. The same amount is leftover for expenditure against this head, as such Rs.10 Lakhs may be approved.		10,00,000.00
12	R&M of ERPC Office Building	Approx. Rs. 20Lakhs are to be for R&M of ERPC building against the bill raised by CPWD. Further an amount of Rs.10 Lacs is anticipated towards R&M expenditure.		30,00,000.00
13	Intercom & CCTV	For Installation of Intercom facility and CCTV in ERPC office building and residential complex.		8,00,000.00
14	Car Shed at ERPC Qtr.	Construction of Car Shed inside the premises of ERPC residential complex.		5,00,000.00
15	AMC of Air Conditioner	AMC of VFR AC systems of LG make installed at ERPC office.		11,00,000.00
16	Purchase of Furniture for ERPC office	In the 44 th meeting Rs.7 lakhs was sanctioned for purchase of furniture for proper seating arrangement for ministerial staffs. Accordingly, the work was carried out and an amount of Rs.4.35 Lakhs was spent for this job. However, it is necessary to submit that still there are need of furniture in this office, as such an amount of Rs.5 Lakhs may further be sanctioned		5,00,000.00
17	Reimbursement to Govt of India.	Estimated expenditure to be incurred by the office of the ERPC Secretariat		2,70,00,000.00
Total Estimated Expenditure				5,33,47,000.00

The above proposals are being placed before ERPC for approval.

ITEM NO B. 9: ERPC Establishment Fund Status for FY 2021-2022 upto (15th March 2022) :

Contribution Received	Contribution yet to be received	Expenditure done	Balance in Bank	Remarks
3.67 Cr	1.87 Cr	4.36 Cr.	7.46 Cr.	The received contribution is only for the year 2021-22

ITEM NO B. 10: ERPC Establishment Fund for the Year 2022-23

For the year 2021-22 contribution of Rs.15 Lakh per member was approved by ERPC. It is proposed to keep the contribution unchanged for the year 2022-23 i.e., Rs 15 Lakh per member. The fund is utilized for reimbursement of ERPC Secretariat expenditures to the Govt. of India and any other expenditures as per the approval of ERPC.

Members may approve contribution of Rs.15 Lakh per member for the year 2022-23.

ITEM NO B. 11: ERPC FUND for the year 2022-23

For the year 2021-22 contribution of Rs.1 Lakh per member was approved by ERPC. It is proposed to keep the contribution unchanged for the year 2022-23 i.e., Rs. 1 Lakh per member. The fund is utilized for holding various meetings, workshops, seminars etc. at the Secretariat and any other expenditures as per the approval of ERPC.

Members may approve contribution of Rs. 1 Lakh per member for the year 2022-23.

ITEM NO B. 12: Participation Fee for non-members of ERPC for the Year 2022-23.

In the 33rd ERPC meeting held on 25th June 2016 it was decided that apart from Members, all other Users/Utilities intending to avail services of ERPC have to pay 'Participation Fee' by contributing to 'ERPC Establishment Fund' and 'ERPC Fund' at an equal yearly contribution fixed for ERPC Members.

As of now, the Users/Utilities, who are not the members of ERPC, but utilizing the services of ERPC, are also contributing to ERPC Establishment Fund and ERPC Fund at par with the constituent members of ERPC.

In this regard, it is to submit that ERPC secretariat has received several requests from the Users/Utilities who are not the members of ERPC to waive off the participation fee in view of their distressed financial condition.

Therefore, in the 43rd ERPC meeting it was approved by ERPC that participation fee for non-members of ERPC for the year 2021-22 may be fixed as follows:

- (a) **ERPC Establishment Fund:** 50% of the contribution amount of the members of ERPC i.e., Rs.7.5 Lakhs
- (b) **ERPC Fund:** At par with the contribution amount of the members of ERPC i.e., Rs.1Lakh.

As such, it is proposed to keep the contribution unchanged for the year 2022-23 i.e., Rs.7.5 Lakhs and Rs. 1 Lakh per member for ERPC Establishment Fund and ERPC Fund respectively.

Members may approve participation fee for Users/Utilities who are not members of ERPC for the year 2022-23 as proposed above.

ITEM NO B. 13: Outstanding contribution to ERPC Funds:

Contributions from the following organisations are still due:

Membership Fees:

- i) Jharkhand Urja Sancharan Nigam Ltd. (JUSNL): Rs. 16 lakhs for 2021-22.
- ii) Jharkhand Bidyut Vitaran Nigam Ltd. (JBVNL): Rs. 16 Lakhs for 2021-22.
- iii) Sikkim, Energy & Power Department: Rs. 16 Lakhs for 2021-22.
- iv) West Bengal Power Development Corp. Ltd: Rs. 16 Lakhs for 2021-22.
- v) Power Grid Corp. Ltd.: Rs. 16 Lakhs for 2021-22.
- vi) NTPC Vidyut Vyapar Nigam Ltd. (NTPC VVNL): Rs. 16 Lakhs for 2021-22.
- vii) Maithon Power Ltd. (MPL): Rs. 16 Lakhs for 2021-22.
- viii) GMR Kamalanga Energy Ltd (GMR KEL): Rs. 16 Lakhs for 2021-22.
- ix) Jindal India Thermal Power Ltd. (JITPL) : Rs. 16 Lakhs for 2021-22.

Participation Fees (Non-members of ERPC):

- i) Powergrid Mednipur Jeerat Transmission Ltd. (PMJTL): Rs. 8.5 Lakhs for 2021-22.
- ii) Powergrid Mithilanchal Transmission Ltd. (PMTL): Rs. 8.5 Lakhs for 2021-22.
- iii) Alipurduar Transmission Ltd. (ATL): Rs. 8.5 Lakhs for 2021-22.
- (iv) Sneha Kinetic Power Projects Ltd.: Rs. 16 Lakhs for 2020-21 and Rs. 8.5 Lakhs for 2021-22.
- (v) Powerlinks Transmission Ltd.: Rs. 16 Lakhs for 2020-21 and Rs. 8.5 Lakhs for 2021-22.
- (vi) Ind-Barath Energy (Utkal) Ltd. (IBEUL) : Rs.48 lakh (for 2016-17,2017-18 & 2018-19)– Bills not raised from the year 2019-20 onwards.
- (vii) Gati Infrastructure Private Ltd. (GIPL): Rs.64 lakh (for 2017-18, 2018-19, 2019-20& 2020-21)

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

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

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

Members may discuss and decide.

ITEM NO B. 14: Membership of ERPC on annual basis for the year 2021-22

14.1 Membership of Private Distribution Company: As per GoI Resolution on ERPC one Distribution Company by alphabetical rotation out of the private distribution companies functioning in the region is eligible to become new member on yearly basis. The private distribution companies functioning in the region are IPCL in West Bengal, TPCODL, TPNODL, TPSODL & TPWODL in Odisha and JUSCO in Jharkhand. The names of the private distribution companies in alphabetical order are IPCL, JUSCO, TPCODL, TPNODL, TPSODL & TPWODL. In the past none of the private distribution companies had become member of ERPC. In the 35th ERPC meeting held on 25.02.2017 it was decided that all the Discoms would be approached for membership of ERPC. Discoms willing to become member will be nominated by alphabetical order on yearly basis.

As per the decision of 43rd ERPC Meeting, Member Secretary, ERPC wrote to all the concern Discoms however none of them has shown their interest for the aforesaid.

ERPC may guide.

14.2 Membership of Private Generating Company (I.C.1000 MW & less): As per GoI Resolution on ERPC one generating company having installed capacity 1000 MW & less out of the GENCOs functioning in the region (other than central & state generating companies and IPPs having installed capacity more than 1000 MW) is eligible by alphabetical rotation to become member on yearly basis.

In the above category the following IPPs are operating in the region:

- i) Dans Energy Private Limited (Jorthang Loop HEP, 2X48 MW)
- ii) Gati Infrastructure Private Limited (Chuzachen HEP, 2X55MW)
- iii) Haldia Energy Limited (2x300 MW)
- iv) Shiga Energy Private Limited (Tashiding HEP, 2x48.5 MW)
- v) Sneha Kinetic Power Projects Private Limited (Dikchu HEP, 3x32 MW)
- vi) Madhya Bharat Power Corporation Limited(Rongnichu HEP, 2X56.5)

In the 35th ERPC meeting held on 25.02.2017 it was decided that the concerned IPPs would be approached for membership of ERPC. IPPs willing to become member will be nominated by alphabetical order on yearly basis.

As per the decision of 43rd ERPC Meeting, Member Secretary wrote to all the concerned generating companies and among them only Haldia Energy Ltd. has shown their interest for membership of ERPC for the year 2021-22, however the payment from their side not yet received. As such, since this FY-2021-22 going to end on 31st Mar'2022, therefore we may request HEL to

become member of ERPC for the upcoming FY-2022-2023 and accordingly membership fee may be paid.

Members may approve the above proposal.

14.3 Membership of Electricity Trader:

As per GoI Resolution on ERPC, one electricity trader is eligible to become member of ERPC representing electricity traders in the region on yearly basis. As per existing practice, CEA recommends the name of the trader. Recommendation from CEA is awaited. On receipt of the recommendation from CEA the nominated trader will be asked to apply for membership together with its contributions to ERPC Funds.

However, it is also to inform that for the year CEA notified NVVNL as a member for the year 2021-22 as membership of Electricity Trader.

Members may approve the above proposal.

ITEM NO B. 15: Nomination of Chairperson, ERPC for the year 2022-2023.

The incumbent Chairperson, ERPC i.e., Chairman-cum-Managing Director, Bihar State Power Holding Company Ltd. will complete his tenure on 31st March 2022.

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

The names of the States in alphabetical order are Bihar, Jharkhand, Odisha, Sikkim & West Bengal. Now it is the turn of Jharkhand. The following designated officers are the member of ERPC from Jharkhand:

Chairman-cum-Managing Director, Jharkhand Urja Vikas Nigam Ltd.

Managing Director, Jharkhand Urja Sancharan Nigam Ltd.

Managing Director, Jharkhand Bijli Vitaran Nigam Ltd., Engineering Building.

Therefore, the members of ERPC from Jharkhand are requested to nominate the Chairperson, ERPC for the year 2022-23.

ITEM NO B. 16: Nomination of Chairperson, TCC for the year 2022-23

The incumbent Chairperson, TCC i.e., Director (Technical), Bihar State Power Generation Co. Ltd. will complete his term on 31st March 2022.

As per TCC regulations, Chairperson, ERPC shall nominate the Chairperson, TCC from the TCC members from the same State for a period of one year.

Accordingly, the new Chairperson, ERPC, nominated for the year 2022-23 as above, may nominate the Chairperson, TCC for the year 2022-23.

ITEM NO B. 17: 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. On 17.11.2018
14	NHPC - hosted 40 th ERPC Mtg. on 16.03.2019
15	NTPC - hosted 41 st ERPC Mtg. on 27.03.2019
16	PTC - hosting 42 nd ERPC Mtg. on 13.12.2019
17	JITPL - yet to host ERPC Mtg.
18	Teesta Urja Ltd. - yet to host ERPC Mtg.

It is also proposed that 46th TCC& ERPC meetings may be hosted by **West Bengal** (WBSEDCL, WBSETCL, WBPDCCL & DPL).

Members may discuss and finalize.

PART-C: ITEMS FOR INFORMATION

The following agenda items are placed before ERPC for information.

ITEM NO C. 1:	Islanding Schemes in Eastern Region.
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Implementation of Islanding Schemes in Eastern Region

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

1. Patna Islanding Scheme:

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

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

The following timelines were decided:

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

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

In the 44th TCC Meeting, BSPTCL updated that preparation of DPR for PSDF funding is under process and the same would be completed within 15 days.

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

OCC advised BSPTCL to expedite the matter with Siemens and prepare the DPR as per the said schedule without any further delay.

In the 185th OCC meeting, BSPTCL representative mentioned that presently M/s Siemens is carrying out some tests for the preparation of DPR which is scheduled to be completed by last week of November'2021. As soon as the proposal from M/s Siemens is received, they would place the order.

OCC expressed serious concern over the issue and advised BSPTCL to expedite the matter with M/s Siemens at the earliest.

In the 186th OCC meeting, BSPTCL representative informed that approval from their higher Management is awaited and the work would be started on receipt of the approval.

In the 187th OCC meeting, BSPTCL representative informed that the tender has already been floated and the same would be opened on 16.02.2022.

In the 188th OCC meeting, BSPTCL representative informed that the tender opening date has been rescheduled to 26.02.2021.

BSPTCL may update.

Deliberation in the 45th TCC meeting:

After detailed deliberation the following was decided:

- a) *A Technical Committee comprising of the members from BSPTCL, SLDC Bihar, participating generator, Powergrid, ERLDC and ERPC may be constituted for finalizing the Islanding Scheme.*
- b) *CESC may also be included in the Committee for any technical expertise.*
- c) *The Committee may consult OEM/Vendor as and when required for any inputs.*
- d) *The Committee may submit its report by 15th May'2022.*

TCC advised the concerned constituents to give their nominations latest by 31st March'2022.

2. Ranchi Islanding Scheme:

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

The following timelines were decided:

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

In 106th PCC meeting held on 16.09.2021 it was informed that the requisite information had already been shared by SLDC Jharkhand and the study is under progress by ERLDC. Further

SLDC Jharkhand was advised to prepare the DPR by September'2021 for PSDF funding, if required.

In the 44th TCC Meeting, JUSNL updated that preparation of DPR for PSDF funding is under process and the same would be completed within 15 days.

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

In the 184th OCC meeting, JUSNL representative submitted that they had requested for budgetary offer from GE, Siemens and ABB and after getting the same they would prepare the DPR. OCC advised JUSNL to expedite the work and prepare the DPR within the stipulated time frame.

In the 185th OCC meeting, JUSNL informed that the tender for DPR would be opened on 25th Nov 2021.

In the 186th OCC meeting, JUSNL representative informed that the tender had been finalized and the DPR would be placed by 5th Jan 2022. OCC advised JUSNL to inform ERPC once DPR gets submitted.

In the 187th OCC meeting, JUSNL representative informed that the work order would be placed by 10th February 2022.

In the 188th OCC meeting, JUSNL representative submitted that the technical part was opened and the financial part is yet to be opened. He further requested ERPC to discuss the matter with JUSNL's higher authority.

OCC advised JUSNL to submit the detailed report to ERPC Secretariat without any delay for further communication with CEA and MoP.

JUSNL may update.

Deliberation in the 45th TCC meeting:

After detailed deliberation the following was decided:

- a) *A Technical Committee comprising of the members from JUSNL, SLDC Jharkhand, participating generator, Powergrid, ERLDC and ERPC may be constituted for finalizing the Islanding Scheme.*
- b) *CEEC may also be included in the Committee for any technical expertise.*
- c) *The Committee may consult OEM/Vendor as and when required for any inputs.*
- d) *The Committee may submit its report by 15th May '2022.*

TCC advised the concerned constituents to give their nominations latest by 31st March '2022.

ITEM NO C. 2:	Restoration of 220kV Farraka-Lalmatia S/C line
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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 anti-theft 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-Lalmatia 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 anti-theft 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 182nd OCC meeting, JUSNL representative submitted that the tripartite agreement for taking over of FLTS as well as O&M of FLTS is in process and the same would be done after getting the consent from the competent authority by 4th week of August'2021.

In the 185th OCC meeting, JUSNL representative informed that fund requisition to their energy department has been requested on 8th Nov 2021 and the work would be started upon receipt of funds.

It was highlighted by OCC that restoration of the line to be taken on priority basis, since it serves commercial interest of Jharkhand by drawing power directly from Farakka STPS. Besides, restoration of the line would also improve reliability of power supply.

In the 188th OCC meeting, JUSNL representative informed that the BOQ has been revised due to the incident of conductor theft. The tender would be placed within 15 days and the restoration work is expected to be completed in 3 months.

This may be noted that this line is important not only for reliable supply to Lalmatia but also for the functioning of the Islanding scheme of FSTPP, thus JUSNL needs to expedite restoration of the same.

JUSNL may update.

Deliberation in the 45th TCC meeting:

JUSNL representative informed that re-tendering work is under process and the expected timeline for restoration of the said line is July'2022.

ITEM NO C. 3:	Signing of O&M agreement for maintenance of JUSNL owned bays of 400 KV New Ranchi-Patratu D/C lines at New Ranchi S/s - POWERGRID.
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400 KV bays (owned by JUSNL) for Patratu 1 & 2 owned by Transmission line at New Ranchi S/S are being maintained by POWERGRID since commissioning. Above mentioned bays are in service since 03.08.2021 (line charged as anti-theft) however the O&M agreement for these bays have not been finalized. The matter had been already taken up with M/s JUSNL that the agreement would be signed upon power flow through the New Ranchi-Patratu Transmission lines.

400 KV New Ranchi-Patratu D/C lines have been already terminated at Patratu S/s on 29.12.2021 and power flow also started. In view of the above, JUSNL is requested for signing of the O&M agreement for smooth O&M activities of these bays at New Ranchi S/s.

POWERGRID may explain. Members may discuss.

Deliberation in the 45th TCC meeting:

TCC advised JUSNL and Powergrid to resolve the issue bilaterally.

ITEM NO C. 4:	Outage of Important Transmission System
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C4.1 132kV 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.

In the 181st OCC meeting, Sikkim representative submitted that for the rest 20% work, they are yet to get clearance from the Forest Department. He further informed that there are also some RoW issues in that portion of the line. Further, ERLDC representative stressed over the fact that being a very important line, the restoration of the 132kV Sagbari–Melli linemay be done at the earliest.

OCC advised Sikkim to take up the matter with Forest Department for obtaining necessary clearance and also to resolve the ROW issues without any further delay.

In the 187th OCC meeting, Sikkim representative informed that clearance from the Forest Department is yet to be received.

OCC expressed serious concern over the issue and advised Sikkim to be in regular touch with the Forest Department for obtaining the clearance.

In the 188th OCC meeting, Sikkim representative was not present during the discussion.

Sikkim may update.

Deliberation in the 45th TCC meeting:

Sikkim representative informed that efforts have been made to restore the line at the earliest.

C4.2 Outage of 400kV Main Bus-2 at Dikchu HEP.

400kV Main Bus-2 at Dikchu HEP has been out since 05.05.2021.

In the 185th OCC meeting, Dikchu representative was not available in the meeting.

Dikchu vide mail dated 27.11.2021 informed that, on 07.09.2021 a test had been conducted by them to pinpoint the fault location. Subsequently, the fault was found in the B phase Circuit Breaker Compartment of 400 KV Dikchu-Teesta 3-line bay 403.

So as suggested by the OEM, there was a need to replace the CB compartment.

In this regard, the offer for new CB compartment from OEM GE(T&D) had already been received on 15th Nov' 21. The procurement process is in progress & the works are being planned to be carried out in 3rd week of Jan' 22.

In the 186th OCC meeting, Dikchu representative informed that OEM M/s GE had given a lead time of 8 months for the supply of new CB compartment, but considering the seriousness of the issue, M/s GE has now agreed to provide the same in 3 months. The work is expected to be completed by the end of March 2022.

Considering the importance of Dikchu-Teesta-III line, OCC advised Dikchu to expedite the work at the earliest in consultation with their OEM.

In the 187th OCC meeting, Dikchu representative informed that the work would be completed by the end of June 2022.

OCC advised Dikchu to expedite the work before the arrival of peak hydro season.

In the 188th OCC meeting, Dikchu representative was not available during the discussion.

Dikchu HEP may update.

Deliberation in the 45th TCC meeting:

Dikchu representative was not available in the meeting.

TCC advised ERPC Secretariat to take up the matter with Dikchu separately.

ITEM NO C. 5:	Shutdown of FSTPP U#5- WBSEDCL
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FSTPP U#5 was taken out of bus on 17.03.2022 due to 'Bottom Ash Problem', as reported from FSTPP end.

On 19.03.2022, at 2057 Hrs, all of a sudden, it was declared by the Farakka authority that the shutdown in respect of the said unit was going to be extended for a period of further 45 days to avail the capital overhauling. At 2132 Hrs on the same date, WBSEDCL raised a strong objection through ERLDC, on the unilateral decision (which was not OCC approved) going to be taken by Farakka. Thereafter, on the same date at 2155 Hrs, ERLDC issued a message to Farakka with a request to postpone their capital overhauling in compliance with the direction from the MoP and NLDC.

As no response from the Farakka end had yet been received by neither ERLDC nor WBSEDCL, again on 21.03.2022, at 1044 Hrs, WBSEDCL inquired regarding the status of the said unit and requested to synchronize the unit immediately to cater to the ongoing shortfall of the State. Subsequent to this message, ERLDC also followed up an e-mail to Farakka.

It may be noted that despite several communications from WBSEDCL as well as ERLDC, Farakka has been maintaining silence on this issue.

In view of the rising system demand due to summer and price surge in the Exchange Market, the immediate synchronization of FSTPP U#5 is required to mitigate the shortfall for the operational and commercial interest of the end consumers of the beneficiaries.

Members may discuss.

Deliberation in the 45th TCC meeting:

WBSEDCL representative explained the issue and raised their concern regarding unplanned shutdown of Unit#5 of Farakka STPP by NTPC since 19.03.2022 subsequent to forced outage for capital overhauling of the said unit for 45 days due to Bottom Ash Problem. They informed that no proper communication was

made to them by NTPC regarding the shutdown of the unit and requested to bring back the unit at the earliest to meet the increasing demand during this summer season.

NTPC clarified that the unit was not taken for annual overhauling and the shutdown was availed to clear the clinker formation in the boiler. The shutdown was required considering the serious nature of work and safety requirement.

TCC endorsed the views of NTPC on safety requirement during rectification work of the unit and advised to carry out the job taking all the safety measures. However, considering the concerns raised by WBSEDCL for requirement of power during upcoming high demand period, TCC advised NTPC to take all measures to bring back the unit on bar as soon as possible.

Further, NTPC was advised to submit the present status of work as well as a timeline for restoring the unit.

ITEM NO C. 6:	Strengthening of Transmission and Distribution Network of DVC
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In order to cater to the forecasted demand of DVC for 2025, DVC vide letter No: EDCON/SPE/CEA/316 dated 23.09.2021 had submitted a proposal to CEA for Renovation and Augmentation Schemes for transmission and the Distribution Network of DVC comprising of ISTS connectivity and Intra State augmentations and connectivity.

Accordingly, CEA has provided a letter mentioning that the schemes provided by DVC were examined at their end and found to be in order.

Reference Discussion with ERPC and ERLDC on the methodology for getting a go-ahead clearance towards implementation by DVC from RPC the following methodology is hereby proposed:

- (1) A study committee at the RPC level comprising of a member from ERPC, ERLDC and DVC to study the details of the submitted scheme followed by a presentation.
- (2) Discussion and concurrence of CTU on the ISTS connectivity.
- (3) Placement of the comprehensive final scheme to TCC and ERPC for subsequent Go- Ahead clearances.

It is kindly requested to do the needful so that the Go - Ahead clearances could be obtained from ERPC & TCC and the schemes to strengthening the Transmission and Distribution Network of DVC can be implemented.

DVC may explain. Members may discuss.

Deliberation in the 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, 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 which would be formed in line with the discussion under item no B9 of 45th TCC agenda.

ITEM NO C. 7:

Proportionate cost sharing by substation bays owners (M/s PMTL and ATL) for boundary wall work carried out by Darbhanga substation owner (DMTCL)

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

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

In the 44th TCC meeting, DMTCL representative informed that the cost incurred for the construction of flood protection wall with a pumping arrangement is Rs 3.25 crore and submitted that since ATL & PMTL have their assets within the premises of Darbhanga S/s, they are also liable to share the cost.

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

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

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

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

ERPC vide office order under file No. ERPC/COMM-I/2021/1155 dated 18.11.2021 constituted the committee for resolving cost sharing issue of boundary wall constructed at Darbhanga S/s of DMTCL.

The report of the Committee attached at **Annexure B-13** for further deliberation.

Deliberation in the 45th TCC meeting:

ERPC secretariat submitted that ERPC vide office order No. ERPC/COMM-I/2021/1155 dated 18.11.2021 constituted a committee to assess the issue regarding cost sharing of boundary wall constructed at Darbhanga S/s of DMTCL.

The committee after going through all aspects of TSA agreements recommended the followings:

- 1. Darbhanga S/s ownership lies with DMTCL. So, any construction/alternation work within the premises of S/s is lying with DMTCL only.*
- 2. The expenditure sum of Rs 3.25 crores incurred by DMTCL towards construction of flood protection wall at Darbhanga S/s premises will be borne by DMTCL.*

TCC agreed with the committee's recommendations.

ITEM NO C. 8:	Segregation of Actual Generation of Barh Stage-I & II
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As per Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006; main meters and check meters are installed at outgoing feeders of generating stations. Net injection of a generating station is computed as summation of main meters at all outgoing feeders.

The Barh Stage-I comprises of three nos. of units as G-1, G-2 & G-3, but Unit G-3 is physically connected at Barh stage-II. Stage-II comprises of two nos. of Units i.e G-4 & G-5. Barh Stg-I and Barh stg-II are two different control areas bound by meters; both the stages have different % share of allocations and beneficiaries. Scheduling of the two stages are done separately. Accordingly actual injection of both the stages has to be computed separately and properly segregated. The SLD of Barh (both stages) with sectionalizer is shown as below:

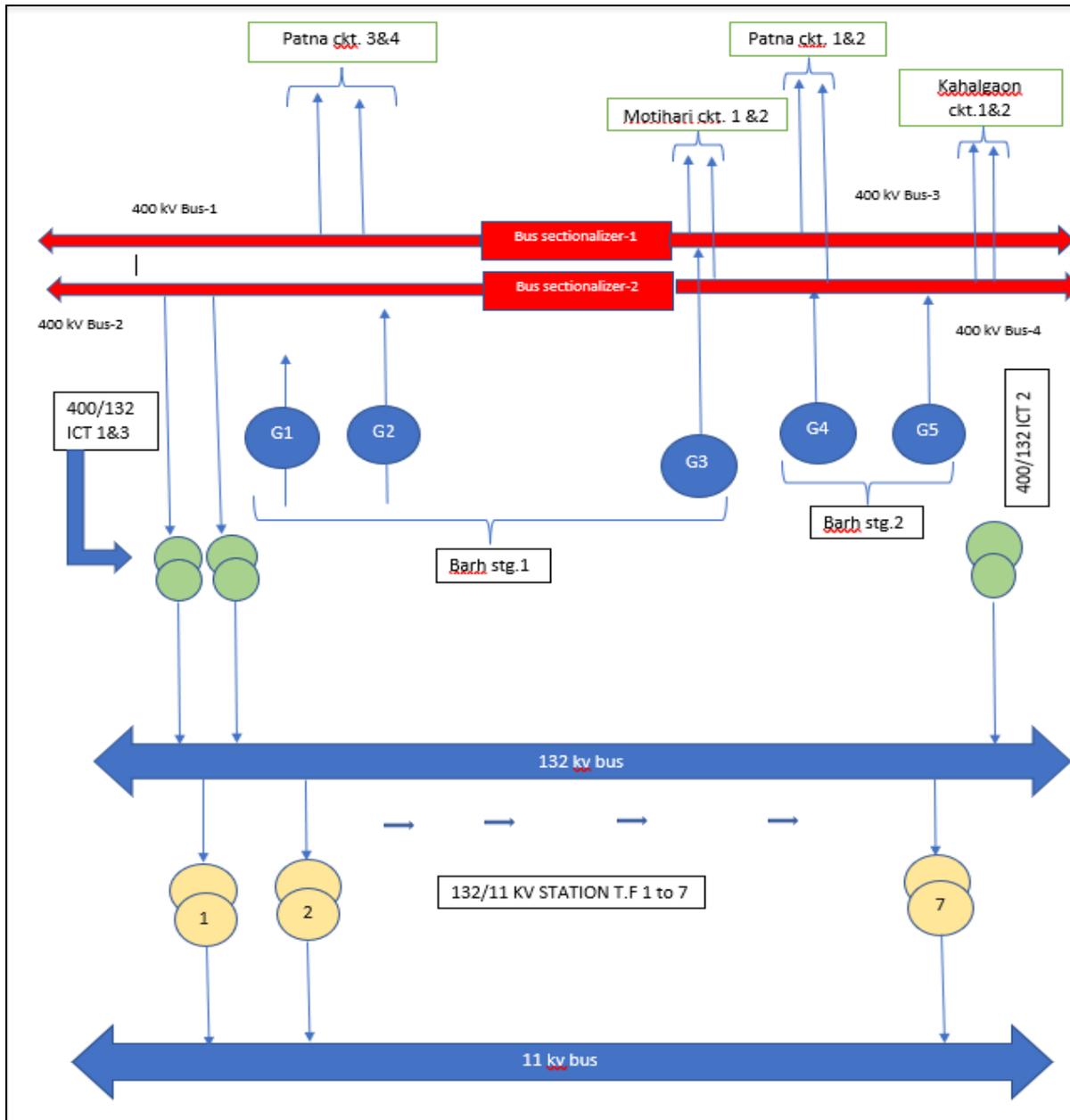
The net generation of both the stages should be computed as below-

Stage-I Net Injection (with Units G-1, G-2 & G-3 at one side at stage-I) = Σ (Outgoing feeders connected to stg-I) + (Bus-sectionaliser-1) + (Bus-sectionaliser-2).

Stage-II Net Injection (with Units G-4 & G-5 at one side of stage-II) = Σ (Outgoing feeders connected to stg-II) - (Bus-sectionaliser-1) - (Bus-sectionaliser-2).

There are 03 Nos. of 400/132 kV ICTs commissioned at Barh. As the 200 MVA 400/132 kV ICT-1 & 3 are connected at stage-I and the auxiliary power is being drawn by both Stage-1&2 from the said ICTs through station transformers; the segregation of net injection of both the stages is not possible by using the bus-sectionaliser.

The matter was also informed to Barh NTPC and at present the following methodology has been adopted for calculating net injection of both stages of Barh.-



Stage-I Net Start up draw (for Unit-2) = – ST2

Stage-I Net Firm generation = (GT#1 – ST#1) - ST#3 +ST#2

Stage- II Net Firm generation = (Summation of all outgoing feeders) – (Stage-I Net Firm Generation)

In 45th CCM, ERLDC representative explained the existing methodology of segregation of actual energy of Barh Stage-I & Stage-II. NTPC Barh representative submitted that the existing methodology may result in accounting errors in the event of shutdown of the Unit#1 of Stage-I. Further, he suggested an alternative methodology for the segregation of stage 1 and stage 2 generation.

CCM advised ERLDC & BARH to submit their methodology to ERPC secretariat for a review and further submit to the upcoming TCC Meeting for approval.

ERPC secretariat reviewed the methodology as submitted by ERLDC and NTPC BARH, found that the methodology proposed by NTPC, BARH is more accurate in segregating actual generation of BARH stage I & stage II.

The proposed methodology for calculating net injection of both stages of BARH:

1. Net Exbus NTPC Barh: Sum of (KH-1, KH-2, PAT-1, PAT-2, PAT-3, PAT-4, MOT-1, MOT-2)
2. Infirm Power Unit-2: $\text{Abs}(\text{GT}\#2) - \text{ST}\#2$
3. Commercial Exbus NTPC Barh: Sum of (S.N. 1 & S.N. 2)
4. Stage-I AG: $[\text{Abs}(\text{GT}\#1) - \text{ST}\#1 - \text{ST}\#3] + (\text{GT}\#1 / (\text{GT}\#1 + \text{GT}\#4 + \text{GT}\#5)) * \text{ST}\#2$
5. Stage-II AG: $(\text{S.N. 1} - \text{Abs}(\text{GT}\#2)) - [\text{Abs}(\text{GT}\#1) - \text{ST}\#1 - \text{ST}\#3] + ((\text{GT}\#4 + \text{GT}\#5) / (\text{GT}\#1 + \text{GT}\#4 + \text{GT}\#5)) * \text{ST}\#2$

TCC may approve the methodology.

Deliberation in the 45th TCC meeting:

ERPC secretariat explained the segregation of actual generation of BARH stage-I & Stage-II in details. Further, he informed that as per 45th CCM advice, ERPC secretariat reviewed the methodology as submitted by ERLDC & NTPC BARH and found that the methodology proposed by NTPC, BARH is more accurate in segregating actual generation of BARH stage I & stage II.

TCC approved the methodology as proposed by NTPC Barh.

ITEM NO C. 9:	PLCC issue in 400 KV Baripada-Kharagpur T/L
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In 400kV Baripada-Kharagpur T/L there are issues in PLCC. Among the two nos. channels, channel one has been rectified earlier but it has not been working properly and channel two is faulty. He further added that channel one is not stable and spare parts for the same are also not available. SLDC, WB urged for following the all over India trend to settle the issue of who will rectify / replace the PLCC panels in respect to the mentioned line. POWERGRID Orissa urged for following precedence for rectification / changing of PLCC panels at both ends by WBSETCL.

In the 185th OCC meeting, West Bengal representative pointed out that different practice of maintenance for different tie lines is not desirable and there is a need for streamlining the procedure for all the tie lines. He further submitted that irrespective of the ownership of the PLCC, the maintenance work may be carried out by the utilities at their respective ends.

In 186th OCC Meeting, WB representative submitted that on careful scrutiny for other tie lines, it was noticed that normally the maintenance, fault rectification, panel replacement types of jobs for PLCC panel etc. are done by the utilities at their respective ends. For example, in case of STPS-Chandil line, JSEB is maintaining their end PLCC portion and WB for STPS end part. Hence, continuing the same logic, different rules for different tie lines are not desired. So, the all-India trend should be maintained for the Kharagpur-Baripada line also. Hence for changing the panels at Baripada end, Power Grid may please take up the

matter, and WB will take care of the Kharagpur end panel replacement work to make both channels available and reliable.

POWERGRID Odisha representative stressed upon the fact that the maintenance work of both ends may be carried out by the respective owners of the PLCCs.

OCC opined that a uniform methodology has to be implemented for the maintenance of all the tie lines. OCC advised POWERGRID representative to take up the matter with their higher management and share their views with ERPC for further deliberation on the issue. POWERGRID Odisha vide mail dated 25.11.2021 informed that the said PLCC panels at Baripada are WBSETCL's property. Further the following details mentioned below were also furnished by POWERGRID Odisha.

PART-I

1. 400 kV Rengali-Kolaghat line was pre-existing before LILO of the same at Baripada in 2005. During this LILO, PLCC panels at Rengali were diverted to Baripada Ss for PLCC link of Baripada-Kolaghat Line.
2. These panels were maintained by Gridco at Rengali S/s before diversion to Baripada Ss and were supposed to be maintained by GRIDCO at Baripada Ss after the said diversion.
3. These were old ABB make PLCC Panels.
4. IOM dtd 05.09.2009 by CM (O&M) Baripada to CM (OS), ER-II, Kolkata and Fax dtd 25.04.2005 from DGM Baripada to GM (Telecom), GRIDCO are relevant references for above mentioned details. Scan copy attached for reference.

PART-II

1. WBSETCL commissioned 400 kV Kharagpur Substation in 2012 by making LILO of the existing 400 kV S/C Baripada-Kolaghat line at Kharagpur.
2. During the above LILO, existing ABB PLCC panels meant for earlier Baripada-Kolaghat line was replaced by BPL Make PLCC Panels.
3. Fresh PLCC arrangement at Baripada Ss for above 400 kV Baripada-Kharagpur line was taken up by WBSETCL through their vendor M/s Alstom. Letter from M/s WBSETCL to POWERGRID vide letter no. TR. PROJ. /T-181/20 dtd 11.04.2012 is attached for reference.
4. The frequencies to be set for above PLCC link were communicated to Baripada Ss by M/s WBSETCL through Letter No. C/ED/PLCC/PGCIL/Kharagpur dtd 30.08.2010. Scan copy attached.

Further, it has also been learnt from previous employees posted at Baripada Ss that revenue bifurcation for maintenance of PLCC at Baripada Ss by POWERGRID has not been done and that the response from Kharagpur end for any rectification of PLCC panels for subject line was poor.

In 186th OCC Meeting, POWERGRID Odisha representative informed as the asset does not belong to them; the maintenance work shall not be carried out by POWERGRID.

West Bengal representative stressed upon the fact that different practices of maintenance for different tie lines are not desirable and there is a need for streamlining the procedure for all the tie lines. He added that irrespective of the ownership of the PLCC, the maintenance activities should be carried out by the utilities at their respective ends.

MS, ERPC was of the view that in case of interstate tie lines having two different owners, the selection of the equipment should be on the basis of mutual consensus and cost sharing between the involved parties. Thereafter, the erection, commissioning and maintenance of PLCC could be taken up individually at respective utilities' ends. The above methodology may be taken up and finalized in the upcoming TCC & ERPC meetings and would be used as a reference for all such future cases.

TCC may discuss and approve the methodology.

Deliberation in the 45th TCC meeting:

After detailed discussion TCC referred the issue back to OCC for further deliberation and consensus.

ITEM NO C. 10:	Implementation of Differential protection for short transmission lines
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As per the CEA standard, transmission line protection can have either distance or differential protection scheme as main protection scheme. It has been observed that for short lines distance protection scheme tends to over reach and pose protection coordination issues with other elements from the substation. Further many a times due to this short line distance protection, the longer lines from remote ends have to increase their zone-2-time delays to higher values (500-600 ms).

In 109th PCC Meeting, PCC enquired about the criteria adopted by utilities for implementing line differential protection in the lines at 220 kV and above level.

The views of utilities were given below:

- WBSETCL representative informed that as per their adopted practice criteria of line length < 10 km is considered for implementing line differential protection. For line length > 10 km, distance protection scheme gives satisfactory results as such they do not require implementing line differential protection for line length of 10-20 km.
- DVC representative informed that they had considered the criteria of line length < 10 km for implementing line differential protection scheme in their system.

ERPC secretariat opined that in general for very short lines having line length less than 10 km, limitations are imposed by R/X of the relay in accurate setting of zone-1 of distance protection so the criteria of implementing line differential protection for line length of less than 10 km may be adopted by the utilities for lines at 220 kV & above voltage level. However, in critical and important lines as recommended by PCC forum, utility shall provide line differential protection irrespective of length of line.

109th PCC agreed to the above proposal.

List of short transmission lines for ER utilities where implementation of fiber-based line differential protection has been suggested is given at **Annexure-B16**.

Further, it is proposed that the cost relating to implementation of fiber based differential protection scheme at either end of the transmission line will be borne by the bay owner of the respective end.

However, to maintain the relay and communication compatibility, the technical specification of the scheme shall be decided mutually by the utility(ies) owning the bay(s).

Members may discuss.

Deliberation in the 45th TCC meeting:

ERPC secretariat representative mentioned that the proposal for implementation of differential protection for short transmission lines having length less than 10km has been agreed upon in the 109th PCC forum. He further submitted that the proposal for cost sharing relating to implementation of fiber based differential protection scheme at either end of the transmission line to be borne by the bay owner of the respective end may be approved.

Further it was clarified that to maintain the relay and communication compatibility in case of lines having two different bay owners, the implementation may be done by a single entity on both sides whereas the cost shall be shared by both the entities.

TCC agreed with the proposal.

ITEM NO C. 11:	Grid Disturbances at 220 kV Budhipadar S/s.
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During last one year three nos. of grid disturbance had occurred at 220 kV Budhipadar S/s. In all the three events, there was total power failure at 220 kV level.

The substation is of vital importance as it has interregional connectivity, being connected to no of CPPs including the Vedanta CPP and having the evacuation lines for IB TPS generation.

The disturbances were analysed in the PCC/Special meetings and observations were communicated to OPTCL taking necessary actions.

The protection and other issues observed during discussion in PCC Meetings are as follows:

- i. Restoration of busbar protection at 220 kV Budhipadar S/s
- ii. Commissioning of PLCC/OPGW communication for all the feeders emanating from 220 kV Budhipadra S/s so that autorecloser and carried aided tripping scheme may be implemented in those lines.
- iii. Ensuring healthiness of old -substation equipment/Replacement of ageing equipment

Further, the issue of high fault level at Budhipadar S/s was being discussed in the OCC meeting and OPTCL was advised to carry out the fresh system study and take appropriate action for reducing the fault level at Budhipadar in timely manner.

OPTCL may respond.

Deliberation in the 45th TCC meeting:

OPTCL representative submitted that fresh system study would be carried out shortly and necessary measures would be taken based on the study results.

TCC advised OPTCL to complete the study in a timely manner and further suggested that the same may be monitored in OCC forum.

ITEM NO C. 12:	Status of Implementation of Bus Bar protection at 220 kV substations.
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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.

PCC raised serious concern over the issue of delay in implementation/restoration of busbar protection at various substation of state utilities and decided to highlight the issue at TCC forum.

Some of the substations where the discrepancy was noticed during discussion in PCC meetings are given below:

BSPTCL: 220 kV Biharsharif S/s

OPTCL: 220 kV Budhipadar S/s, 220 kV Tarkera S/s, 220 kV Jaynagar S/s, 220 kV Rengali S/s

JUSNL: 220 kV Ramchandrapur S/s, 220 kV Patratu S/s,

TVNL: 220 kV Tenughat S/s (electromechanical relay)

Subsequently PCC advised all the state utilities to submit the status of availability of busbar protection at 220 kV substations in their system. The list is enclosed at **Annexure-B18**.

Concerned utilities may respond. Members may discuss.

Deliberation in the 45th TCC meeting:

BSPTCL representative informed that the implementation has been delayed due to space constraint & other associated issues. They further informed that the expected timeline of implementation is September'2022.

OPTCL representative informed that due to poor response from the OEM/vendor with regard to support service, the restoration of busbar protection in the concerned substations are getting delayed. The matter is being taken up with them for early restoration of the same.

JUSNL representative informed that busbar protection at Ramchandrapur S/s would be implemented by April 2022.

TVNL representative submitted that calibration and testing of the relay would be done for the busbar relay within 2 months.

ITEM NO C. 13:	Replacement of conductor in 220kV TTPS-Biharsharif S/c line-TVNL
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TVNL is the only power generating company of Govt. of Jharkhand. It has two units each having capacity of 210 MW, situated at Tenughat Thermal Power Station, Lalpania, District Bokaro. Presently, power evacuated from TTPS by the following transmission lines:

- I. TTPS-PTPS 220 KV Single Circuit line.

- II. TTPS-Govindpur 220 kV Double Circuit line.
- III. TTPS-Biharsharif 220 KV Single Circuit.

Total Length of TTPS-Biharsharif line is 180 Km. out of which, 2.5 KM (Approx.) line at the Biharshariff end, connected with Zebra conductor, rest of the length of this line is Twin Moose Conductor. Load bearing capacity of this 220 KV line is only 200 MW due to Single Zebra Conductor. This line tripped many times due to backup over current, when flow exceeds 200 MW and total power failure situation arises after tripping of rest lines. To enhance load bearing capacity it is essential to replace this portion of line (2.5 KM) with Twin Zebra/Twin Moose conductor.

A request letter regarding replacement of conductor has already been given to MD, BSPTCL.

TVNL may explain. BSPTCL may respond.

Deliberation in the 45th TCC meeting:

BSPTCL representative updated that estimate for the work is under final stage of preparation and tender would be floated subsequently.

ITEM NO C. 14:	Revised RTA for the period from 15.11.2014 to 07.03.2016 issued vide ERPC letter No. ERPC/COM-I/REA/2018/3780-3798 dated 11/12.01.2018
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Bihar Discoms vide Director (Operation), SBPDCL letter no 162 dated 23.09.2021 has sent the agenda item on the matter to Hon'ble ERPC to discuss the same in the 44rd TCC meeting. The said agenda was discussed in the 44th TCC meeting as item no: C16.1 and following was deliberated:

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

In the 45th CCM it was deliberated that POC rates for the period from 15.11.2014 to 08.03.2016 is yet to be revised by NLDC. It was further submitted that RTA & RTDA for the said period shall be again revised after the issuance of revised POC rates by CERC.

Members may discuss.

Deliberation in the 45th TCC meeting:

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.

ITEM NO C. 15:	Issue in implementation of the provisions of the order no. L-1/250/2019 /CERC dated 14.02.2021 of Hon'ble CERC.
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Bihar Discoms vide Director (Operation), SBPDCL letter no 87 dated 17.03.2021 has sent the agenda item on the matter to Hon'ble ERPC to discuss the same in the 43rd TCC meeting. The said agenda was discussed in the 43rd TCC meeting as item no: B28.1 and following was deliberated:

"...TCC advised ERPC Secretariat to intimate the said concerns to Hon'ble CERC for necessary clarifications. Further, the concerned state utilities are advised to take up with the Commission separately."

Further, the matter was also discussed in the 3rd meeting of the Commission with Chairperson and Member Secretary of RPCs held on 17.11.2021-Reg and the following was deliberated in the matter:

"20.(f) Chairperson, CERC acknowledge the concern of Bihar , directed staff of the commission to discuss the matter with CTU and resolve the issue in accordance with removal of difficulty order."

As per the above MoM dated 04.01.2022, the staff of the Hon'ble Commission have been directed to take up the issue with CTU.

Members may discuss.

Deliberation in the 45th TCC meeting:

ERPC secretariat informed that the issue has already been deliberated in 3rd interaction meeting of hon'ble CERC with Chairperson & Member secretaries of RPCs. CERC will issue necessary order after discussing with CTU in the removal of difficulty clause.

TCC advised ERPC secretariat to take up the issue with Hon'ble CERC.

ITEM NO C. 16:	Monthly Bilateral REA being issued for IIPs i.e. GMR (260 MW) and JITPL(300 MW).
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Bihar Discoms vide Director (Operation), SBPDCL letter no 87 dated 17.03.2021 has sent the agenda item on the matter to Hon'ble ERPC to discuss the same in the 43rd TCC meeting. The said agenda was discussed in the 43rd TCC meeting as item no: B28.2 and following was deliberated:

"...ERPC Secretariat agreed that the DC certification of the said stations would be done from April 2021 subject to submission of PPA wise DC and Agreed Schedule by the respective IPP to ERLDC for onward submission of the same to ERPC..."

DC certification for JITPL was started from the month of July-21 by ERPC but DC certification for GMR has not been started till date.

ERPC Secretariat took up the matter with GMRKEL several times vide mail dated 05.08.2021, 13.09.2021 and 19.03.2022. However, till date no response has been received.

Members may discuss.

Deliberation in the 45th TCC meeting:

GMRKEL representative informed that they will send the monthly DC data from March-2022 onwards to ERPC secretariat for DC certification.

TCC raises serious concern over non-implementation of the decision of this forum by GMRKEL and advised to send the monthly PPA wise DC and Agreed Schedule data to ERLDC for onward submission of the same to ERPC secretariat for monthly DC certification. GMRKEL agreed to follow the decision of TCC forum.

ITEM NO C. 17:	Outstanding dues of Sikkim i.r.o. Chukha HEP Transaction
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PTC has been supplying power from Chukha HEP, Bhutan to Energy and Power Department of Sikkim. However, Energy and Power Department of Sikkim is irregular in making payment to PTC. The energy bills have not been paid since Nov, 2019. Sikkim has made payments for two recent energy bills of Nov, 2021 and Dec, 2021 whereas the bills from Nov, 2019 to Oct, 2021 remain unpaid.

It is to mention that since it is a cross-border transaction involving Royal Government of Bhutan and Government of India, PTC is making regular payments to the generating company namely Druk Green Power Corporation Limited irrespective of receipt of payments from Sikkim. For this purpose, PTC has to mobilise additional resources for the working capital mismatch and continued delays are causing liquidity crunch to PTC.

Following payments are outstanding as on 31.01.2022

Sl. No.	Name of the State Utility/Discom	Energy Outstanding dues for power supply from Chukha HEP	Late Payment Surcharge	Total
1.	Energy and Power Department of Sikkim(Sikkim)	20.14 Cr.(outstanding since Nov 2019)	Rs. 4.86 Cr.	Rs. 24.82 Cr.
	Total	Rs. 20.14 Cr.	Rs. 4.86 Cr.	Rs. 24.82 Cr.

The above agenda was also discussed in the 44th Meeting of TCC and ERPC Meetings held on 29th & 30th September, 2021 wherein Energy and Power Department of Sikkim's response was as follows: (Excerpts from the MOM dated 21.10.2021)

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

Despite the assurance from Sikkim representatives, we have not received the outstanding amount except for payment of Rs 33.31 Lakhs against the total outstanding of Rs 24.82 Cr. We have also requested Member

Secretary, ERPC to explore the reallocation of Energy and Power Department of Sikkim's share of power from Chukha HEP to other beneficiaries of Chukha HEP power as per the Agreement dated 21.08.2002 vide our letter dated 17.12.2021.

In view of above, it is requested ERPC may advise Energy and Power Department of Sikkim to liquidate the outstanding, make regular payments and open LCs as per the agreement or else PTC will be left with no other option but to request ERPC for reallocation of power as per the provisions of the agreement dated 21.08.2002.

In this regard, ERPC vide letter No.ERPC/Com-I/2021/1306-07 dated 29.12.2021 had sent letter to Sikkim, but no communication received from Sikkim, so far.

In 45th CCM, PTC representative submitted that despite repeated persuasion by PTC and assurance by SIKKIM representative in 44th TCC Meeting, they have not received the outstanding amount in respect of Chukha HEP. Sikkim representative submitted that they will make the payment as early as possible.

CCM observed that this is a cross border transaction and being governed by inter-governmental agreements. Hence, top priority should be accorded to fulfil all payment obligations. Sikkim representative was advised to take up the matter with the Energy & Power Dept, Govt. of Sikkim to liquidate the outstanding dues at the earliest.

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

Members may discuss. Sikkim may update.

Deliberation in the 45th TCC meeting:

PTC representative informed that the outstanding dues i.r.o Chukha HEP transaction are pending since Nov'2019.

Sikkim representative submitted that all the outstanding dues will be cleared by March '2022.

ITEM NO C. 18:	<i>Outstanding dues of JBVNL (Jharkhand Bijlee Vitran Nigam Limited) against power supplied by NVVN</i>
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NVVN supplied 50 MW power each from NTPC Farakka III & Korba III from January 2017 to May 2017 to JBVNL. This power supplied against emergent requirement of Jharkhand, as it was facing power shortage during this period.

NVVN supplied power under short term bilateral trade and accordingly raised the bill for payment. However, NVVN has received an amount of Rs. 64.45 Crore in instalments against total billed amount of Rs. 115.21 Crores.

NVVN has been following up regarding the release of payment for the last four years.

The balance amount of Rs. 50.76 Crores is still pending for more than four years, to be paid by JBVNL.

Outstanding payment beyond 60 days from the due date of payment shall attract surcharge as per the CERC regulation which as on date is amounting to approximately Rs. 34 Cr.

In 45th CCM, NVVN representative submitted that the outstanding dues of JBVNL in respect of Power supplied from NTPC Farakka-III & Korba-III for the period from January 2017 to May 2017 is pending since more than 4 years. Jharkhand representative assured that they are pursuing the outstanding dues matter with Govt of Jharkhand and it will be cleared as early as possible.

CCM advised Jharkhand to liquidate the outstanding dues at the earliest.

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

Jharkhand may update.

Deliberation in the 45th TCC meeting:

NVVN representative submitted that the outstanding dues of JBVNL in respect of Power supplied from NTPC Farakka-III & Korba-III for the period from January 2017 to May 2017 is pending since more than 4 years.

Jharkhand representative informed that they are pursuing the outstanding dues matter with Govt of Jharkhand and it will be cleared as early as possible.

After detailed deliberation, TCC advised the Jharkhand to clear the outstanding dues at the earliest.

ITEM NO C. 19:	Payment Status-ERLDC
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A. Payment of Deviation Charge – Present Status.

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

The status of Deviation Charge payment as on 10.03.2022 is enclosed at **Annexure – I**. The current principal outstanding Deviation Charge of BSPHCL, JUVNL and SIKKIM is ₹ 33.23 Cr, ₹ 58.68 Cr, & ₹ 22.78 Cr respectively considering bill up to 30.01.2022. ERLDC is regularly giving reminders to BSPHCL, JUVNL & SIKKIM and others defaulting entity to liquidate the outstanding Deviation charges.

In 44th TCC/ERPC held in Sep’2021, Bihar representative informed that they had liquidated Rs. 50 crore as on 29.09.2021 and the rest amount would be cleared by December’2021.

Jharkhand representative informed that payments have been delayed due to Covid-19 pandemic and outstanding dues will be liquidated within a month. Sikkim representative informed that outstanding dues will be liquidated from next month onwards and by December'2021 the entire outstanding dues shall be cleared.

BSPHCL, JUVNL, & SIKKIM may update.

Deliberation in the 45th TCC meeting:

Bihar representative informed that they have cleared all the outstanding dues.

Jharkhand representative informed that all the outstanding dues will be cleared by March '2022.

Sikkim informed that some portion of the outstanding dues will be cleared by March '2022.

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

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 31.03.21 is enclosed in **Annexure-II**.

44th CCM advised all the constituents to liquidate the payment at the earliest. DVC, Jorethang, GMR, NVVN-Bangladesh & OPGC (Gridco) are yet to clear outstanding Interest.

Concerned constituents may update.

Deliberation in the 45th TCC meeting:

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

C. Reactive Energy Charges – Present Status.

As per decision taken in 43rd TCC/ERPC the methodology of Reactive energy billing has been revised and is implemented w.e.f. 05.04.2021 and bills are being issued to recipient states as well. The status of Reactive Energy Charges in the pool as on 15.02.2022 considering bill up to 30.01.2022 is indicated in **Annexure – III**. The total outstanding receivable on account of Reactive charges from Bihar, JUVNL & Sikkim is ₹ 6.57 Cr, ₹ 1.46 Cr & 0.55 Cr respectively. WBSETCL and GRIDCO are regularly paying the reactive charges.

Bihar, JUVNL & Sikkim may update.

Deliberation in the 45th TCC meeting:

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

D. Reconciliation of Pool accounts

i. Deviation Account

At the end of 3rd quarter of 2021-22, the reconciliation statement (Period: 01.10.21 to 31.12.21) has been issued by ERLDC on 11.01.22 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website at <https://erlhc.in/market-operation/dsmreconciliation/>. The constituents were requested to verify /check the same & comment (if any) to ERLDC at the earliest. The status of reconciliation is enclosed in **Annexure-VI**.

No constituents except MPL have reconciled the Deviation statement and it is pending for more than one quarter.

Concerned constituents may update.

Deliberation in the 45th TCC meeting:

TCC advised all the concerned constituents to send their signed reconciliation statements of DSM accounts to ERLDC at the earliest.

ii. Reactive Account

At the end of 3rd quarter of 2021-22, the reconciliation statement (Period: 01.10.21 to 31.12.21) has been issued by ERLDC on 11.01.22 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website at link <https://erlhc.in/market-operation/reactivereconciliation/>. Constituents were requested to verify /check the same & comments if any to be reported to ERLDC. The status of reconciliation is enclosed in **Annexure-VII**.

BSPHCL, JUVNL, DVC, West Bengal & SIKKIM have not reconciled the reactive account for one or more quarters.

Concerned constituents may update.

Deliberation in the 45th TCC meeting:

TCC advised all the concerned constituents to send their signed reconciliation statements of reactive accounts to ERLDC at the earliest.

iii. RRAS & AGC Account

At the end of 3rd quarter of 2021-22, the reconciliation statement (Period: 01.10.21 to 31.12.21) has been issued by ERLDC on 11.01.22 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website at link <https://erlhc.in/market-operation/rrasreconciliation/>.

NTPC, BRBCL, KBUNL, NPGC and MPL have not reconciled the RRAS account for one or more quarters. The status of reconciliation is enclosed in **Annexure-VII**.

Concerned constituents may update.

Deliberation in the 45th TCC meeting:

TCC advised all the concerned constituents to send their signed reconciliation statements of RRAS accounts to ERLDC at the earliest.

iv. Short Term Open Access

a. For STOA payments made to SLDC / STU:

The reconciliation statements of STOA payments for the period of Apr'18 to Dec'21 have been sent to the DVC, OPTCL, BSPTCL, Jharkhand and WBSETCL for checking at their end and confirmation from their side. WBSLDC has confirmed up to Q-2 of 2020-21. WBSETCL has confirmed up to Q-2 of 2019-20. BIHAR SLDC & STU have confirmed for the entire period except Q-1 of 2021-22. OPTCL has confirmed up to Sep'19. ODISHA SLDC has confirmed for the entire period except Q-1 of 2021-22. DVC SLDC & STU has confirmed up to Q-1 of 2020-21.

b. For payments made to STOA applicants:

The reconciliation statements of STOA payments for the period of Apr'18 to Dec'21 have been sent to the CESC, JITPL, JBVNL, BSPHCL, NHPC, GRIDCO and WBSEDCL for checking at their end and confirmation.

NHPC is yet to confirm for Q4 of 2018-19. BSPHCL is yet to confirm for Q-1 & Q-2 of 2020-21. JBVNL is yet to confirm for the period from Q-2 of 2020-21. WBSEDCL is yet to confirm for the period from Q-4 of 2020-21, Q-1, Q-2 of 2021-22.

As per clause 15.1 of CERC approved STOA bilateral procedure, since the confirmations have not been received within 2 weeks from the date of issuance of the letters, the statement issued by ERLDC have been deemed to be reconciled.

The details are attached in the **Annexure-VIII**.

Since there is a serious audit objection on non-signing of DSM, Congestion and STOA reconciliation statement it is once again requested that all regional pool members may check and sign the statement sent by ERLDC.

Members may take necessary action for signing the statements at the earliest.

Deliberation in the 45th TCC meeting:

TCC advised all the concerned constituents to send their signed reconciliation statements to ERLDC at the earliest.

E. 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 – IX**. Letters to this effect was issued by ERLDC to the defaulting entities.

In 43rd TCC, GRIDCO had informed that they would open the LC in due course. BSPHCL was also informed by ERLDC to open LC in favour of DSM Pool A/C in SBI instead of Axis Bank. However, LC is not opened till now. Further 44th Commercial Sub-Committee advised all the constituents to open the required LC in time. 43rd & 44th TCC advised all the concerned constituents to open requisite LC at the earliest.

At present there is no valid LC i.r.o BSPHCL, DVC, GRIDCO, WEST BENGAL SIKKIM, NPGC, JLHEP and TASHIDING.

Opening of LC is the regulatory requirement as per provision of CERC DSM regulations for defaulting members.

Concerned members may update.

Deliberation in the 45th TCC meeting:

TCC advised all the concerned constituents to open their requisite LC as per prevailing CERC DSM Regulation'2014.

F. Procurement of new SEMs and Status of DCDs/laptops used for meter data download:

In 42nd TCC/ERPC dtd. 13.12.2019, the procurement of first lot of 300 energy meters was concurred.

In 169th OCC, dtd. 27.07.2020 POWERGRID informed that they have already placed the order for 300 energy meters. ERLDC also informed that all the energy meters will be consumed in 2020-21 and there would be a requirement of additional 300 energy meters approximately to replace the old and time drifted SEMs.

In 177th OCC dtd. 17.03.2021 POWERGRID intimated that they have already awarded contract for procurement of additional 300 SEMs as per terms and conditions of existing contract in Jan'2021 and delivery for the same is expected by August'2021.

In 43rd ERPC/TCC dtd. 26.03.2021, ERPC accorded post-facto approval for procurement of additional 300 nos. of SEMs at an estimated cost of Rs. 36 Lakhs

In 45th CCM dtd. 07.07.2021, PGCIL informed that at present, there are total 475 meters in the stock of Eastern Region, out of which POWERGRID (ER-I) is having 250 meters and POWERGRID (ER-II) is having is 225 meters.

POWERGRID may update the status of procurement of meters, present stock of meters and also the status of total number of DCDs or laptops that are used for meter data downloading.

Deliberation in the 45th TCC meeting:

POWERGRID representative submitted that there is no plan for procurement of new SEMs. The present status of meters has already been informed in 45th CCM. The agenda item may be dropped.

ITEM NO C. 20:	Default in payment of outstanding dues by beneficiaries
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The total outstanding dues of ER beneficiaries against Bills raised by CTU as on 04.03.2021 is detailed below. Please note that these figures includes both PoC as well as non-PoC outstanding amounts.

(Rs. in Crores)

SI No.	DIC	Total dues	>45 Days dues
1	SOUTH BIHAR (SBPDCL)	283.44	115.71
2	NORTH BIHAR (NBPDC)	245.51	102.94
3	JHARKHAND	57.19	1.99
4	BANGLADESH	0.00	0.00
5	SIKKIM	27.76	20.50
6	DVC	20.18	0.11
7	WEST BENGAL	203.07	23.02
8	DANS ENERGY	4.05	0.00
9	ECR	26.85	0.00
10	SER	2.14	0.00
11	SHIGA ENERGY	2.29	0.00
12	JUSNL *	11.96	11.96
13	OPTCL *	55.24	55.24
14	ODISHA	69.84	25.27
15	OPGC *	18.91	18.91
16	TEESTA URJA LIMITED *	8.50	8.50
17	TEESTA VALLEY *	5.75	5.75
18	ENICL*	0.53	0.53
	Total	1043.21	390.43

Note:- * Non PoC only

DICs may be advised to clear the dues in time.

Members may update.

Deliberation in the 45th TCC meeting:

Bihar representative informed that they have already made all the payment of outstanding dues more than 45 days.

DVC representative informed that the outstanding dues will be cleared as early as possible.

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

ITEM NO C. 21:	Opening of Letter of Credit
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The following beneficiaries have to open/enhance LC as listed below:

(Rs in Crores)

DIC Name	LC Required	LC Available
East Central Railways-BRBCL	42.48	0.00
GRIDCO	59.29	50.35
South Eastern Railway_RGPPL	4.89	0.00
SOUTH BIHAR	72.91	15.27
NORTH BIHAR	62.11	9.73
JHARKHAND	26.99	11.52
SIKKIM	3.97	2.92

LC required values indicated above is as per CERC Sharing Regulation 2020 which came into effect w.e.f 01.11.2020. As per the Sharing Regulation 2020, generator billing shifted to DISCOMs for the tied up portion. Opening/Enhancement of LCs are being continuously pursued with the DICs. The beneficiaries may renew LC for the requisite amount in favour of CTUIL.

Members may update.

Deliberation in the 45th TCC meeting:

GRIDCO representative informed that they are in the process of opening LC.

TCC advised all the concerned DICs to open their requisite amount of LC at the earliest.

ITEM NO C. 22:	Implementation and funding of Unified Load Despatch and Communication (ULDC) Phase-III (SCADA/EMS upgradation Project)
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1st and 2nd phase of ULDC SCADA Project have been successfully commissioned by POWERGRID in the year 2005 and 2016 respectively. Considering the useful life of 07 years as per CERC regulations and advancement in the technology, the up-gradation of SCADA/EMS systems will be due for ER Constituents by the year 2023. It is proposed to go for unified implementation of the Upgradation of ULDC SCADA System (Phase-III) of Eastern Region considering optimum pricing due to economy of scale and seamless integration.

Following are the key points & major benefits of execution of the work through POWERGRID:

- Implementation of SCADA Up-gradation Project (Phase-III) in an integrated manner for getting benefits of economy of scale.
- POWERGRID has been successful in implementation and maintenance of ULDC Phase-I & Phase-II for last 20 years and would be willing to implement the ULDC Phase-III also on similar lines. Since, POWERGRID has previously implemented both the phases of SCADA Project therefore their expertise in tendering, award, engineering and project management will enable smooth implementation of ULDC SCADA Phase-III.
- No investment to be made by States/Constituents. POWERGRID will fund the project and the cost will be recovered through tariff as done in earlier ULDC scheme.
- Only two contracts (Supply and Service) shall be signed instead of 12 nos. (2 x 6 constituents).
- Centralized contract management with support from the constituents will enable seamless integration and addressing all the requirements of the constituents during engineering and implementation.
- Since states/constituents have signed the maintenance contract themselves in ULDC phase-II and are facing lot of issues, POWERGRID is willing to cover the O&M part as well during ULDC Phase-III.

Subsequently, in 10th TeST Committee meeting of ERPC held on 01.11.2021, it was deliberated that all constituents of Eastern Region shall give their consent to finalize the implementation agency (POWERGRID/POSOCO) for implementation of ULDC SCADA Phase-III.

Accordingly, DVC vide letter dated 05.11.2021, OPTCL vide letter dated 06.11.21, Sikkim vide letter dated 25.11.21, WBSETCL vide letter dated 02.12.21 and BSPTCL vide letter dated 08.12.21 have approached ERPC to go with POWERGRID for implementation of ULDC SCADA Phase-III. (letters Copy attached at Annexure-A).

Members may discuss.

Deliberation in the 45th TCC meeting:

It was deliberated that all the constituents of Eastern Region except for Jharkhand gave their consent to POWERGRID for implementation of ULDC SCADA Phase-III.

On query, Jharkhand representative submitted that they would go with POSOCO as the implementing agency for ULDC SCADA Phase-III, since the necessary approval has already been taken from the Competent Authority regarding the same.

ITEM NO C. 23:	3rd interaction of the Commission with Chairpersons and Member Secretaries of RPCs.
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The 3rd interaction meeting of the commission with Chairpersons and Member Secretaries of RPCs held on 17.11.2021 through Microsoft MS Team platform, wherein the agenda items of ERPC, as well as other RPCs, were discussed in detail. Hon'ble CERC vide letter dated 04.01.2022 issued the minutes of the meeting. The agenda items and minutes of the meeting are enclosed at **Annexure-C1** for your information and compliance.

TCC may note.

Deliberation in the 45th TCC meeting:

TCC noted.

ITEM NO C. 24:	New regulations/Orders of MoP/CEA/CERC
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Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to the Inter State Transmission System) Regulations, 2021

CERC vide notification dated 16.12.2021 had issued the Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2021 and requested to furnish the comments/ suggestions/objections from the stakeholders and interested persons on the above Draft Regulations on or before 25th February'2022. CERC had organized Workshops/Discussion on Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2021 for Eastern Region beneficiaries on 14.02.2022.

TCC may note.

Deliberation in the 45th TCC meeting:

TCC noted.

ITEM NO C. 25:	Protection Audit in Eastern Region
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Protection audit is a primary activity to ensure power system protection implemented at substations and power plants are well coordinated and is as per CEA standards. Due to COVID-19, the activity could not be started since March 2020. Since then, various events have occurred where issues of protection coordination have been observed and several new substation and grid element has been connected with the grid.

In 109th PCC meeting held on 16.12.2021,

ERPC Secretariat representative briefed about the third-party protection audit activities which were carried out in Eastern Region in the past and its requirement vis-à-vis the benefits. He informed that protection audit for ER substations could not be carried out since the onset of Covid Pandemic. The last comprehensive audit for all 400 kV & 220 kV substations in ER were carried out long ago and in between a number of new 400 & 200 kV substations has been commissioned.

In view of above it was proposed to recommence the protection audit activity in ER. The audit would cover all 400 kV & 220 kV Substations in Eastern Region including the power plant substations.

The following activities have been decided to streamline the audit process:

PCC activities

- Formation of Three-Four core audit teams-All utilities to nominate their members
- Nodal officer from all utilities to co-ordinate with audit activities
- Identification of S/s to be audited
- Finalization of audit format

Pre-audit activities

- Utilities of S/s thus identified to check and update latest protection settings in PDMS database within next 7 days
- S/s to fill up pre-requisite data as per format attached before visit of audit team

Input to be obtained from protection database

- SLD of the S/s
- List of elements
- Updated settings from PDMS database (PDF/excel)
- Model setting for the elements of substation being audited

On the day of Audit at Substation/Plants

- Verification of protection setting as per details provided.
- All testing reports
- Equipment's healthiness status, DC healthiness, Aux system healthiness etc.

- It was informed that 3-4 audit team will be constituted consisting members from state utility, central utility, ERLDC & ERPC secretariat. The list substations where the audit is to be carried out would be finalized beforehand in PCC meeting and the concerned utility needs to check and update the relay/protection settings available in the protection database (PDMS) before the field visit. Further the

nodal officer has to coordinate with the audit teams to facilitate their visit in carrying out the substation audit.

- The audit team would submit their report and observation to ERPC secretariat and the same would be placed in PCC meeting for information and compliance, if any, by the auditee utility.

Members agreed to the proposal of requirement of periodic protection audit for the substations and expressed their full cooperation in the audit activities.

TCC may note.

Deliberation in the 45th TCC meeting:

TCC noted.

ITEM NO C. 26:	Updation of Black Start and Restoration procedure of Eastern Region
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Based on comments received from the constituents Black start and restoration procedure for the Eastern region for the Year 2022 is updated and circulated to all on 31st Jan 2022.

TCC may note.

Deliberation in the 45th TCC meeting:

TCC noted.

ITEM NO C. 27:	Payment Status
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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 15.02.2022 (considering bill up to 30.01.2022) is indicated in **Annexure – IV**. Total receivable by the pool is **₹150.31 Cr** and the total payable by the pool is **₹173.05 Cr** as of 10.03.2022 (considering bill up to 20.02.2022).

This is for information to the members.

Deliberation in the 45th 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 15.02.2022 (considering bill up to 30.01.22) is indicated in **Annexure – IV**. Total receivable by the pool is **₹30.07 Cr** and the total payable by the pool is **₹5.23 Cr** as of 10.03.2022 (considering bill up to 20.02.2022).

This is for information to the members.

Deliberation in the 45th TCC meeting:

TCC noted.

C. Status of PSDF

An amount of total ₹ 185.09 Cr from Reactive account (26.62 Cr.) & DSM Account (158.47 Cr.) has been transferred to PSDF after 44th Commercial sub-committee meeting held on 07.07.2021. With this the total amount of ₹ 1521.32 Cr has been transferred to PSDF so far. The breakup details of fund transferred to PSDF (till 15.02.22) is enclosed in **Annexure V**.

This is for information to the members.

Deliberation in the 45th TCC meeting:

TCC noted.

D. State Transmission Utility Charges and Losses applicable for STOA of FY 2021-22

Name of STU	Intra-State Transmission Charges	TRANSMISSION LOSS (For Embedded entities)
WBSETCL	Rs. 243.92 /MWh	3.10%
DVC	Rs. 143.7 / MWh	2.28%
OPTCL	Rs. 280 / MWh	3.00%
JUSNL	*	#
BSPTCL	Rs. 263 / MWh	3.00%
SIKKIM	*	#

N.B:

* Indicates rates yet to be furnished by concerned State Utilities. Transmission Charges for use of state network shall be Payable @ Rs.80 per MWh as per subsequent Amendment regulation 2009-dated 20.05.2009.

Not yet intimated by the State Utility.

State Load Despatch Centre Operating Charges for STOA for FY 2021-22

Name of SLDC	SLDC Operating Charge
West Bengal	**
DVC	**
Odisha	Rs. 2000
Jharkhand	**
Bihar	**
SIKKIM	**

N.B:

** Indicates rates yet to be furnished by concerned State Utilities. Operating charges at the rate of Rs 1000/-per day or part of the day for each bilateral

transaction for each of the Regional Load Despatch Centre involved and at the rate of Rs 1000/- per day or part of the day for each State Load Despatch Centre involved shall be payable by the applicant as per subsequent Amendment regulation 2009-dated 20.05.2009.

This is for information to the members and any discrepancy may be reported.

Deliberation in the 45th TCC meeting:

TCC noted.

E. Status of Start-up power drawl, infirm injection and CoD Declaration

Updated Status of Start-up power drawl, infirm injection and CoD Declaration of Generator as Reginal entity and Pool member in last Quarter is as follows:

1. Start Up power

S. No	Generator	Date of start-up Power Drawl
1.	NPGC(2X660MW) Unit-3	28.03.2021
2.	Barh Stg-I(3X660MW) U-2	18/01/2022

2. Infirm Power

S. No	Generator	Infirm Injection Started From	6 month period would end by	Extension granted by CERC
1	NPGC(2X660MW) Unit-3	28/03/2021	27/09/2021	Extension allowed Upto 27/09/2022
2.	Barh Stg-I(3X660MW) U-2	Not Started Yet		

TCC may note.

Deliberation in the 45th TCC meeting:

TCC noted.



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असाधारण
EXTRAORDINARY

भाग I—खण्ड 1
PART I—Section 1

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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/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 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 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 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 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 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:-

- 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 पूर्वी क्षेत्रीय भार प्रेषण केंद्र (एनईआरएलडीसी) 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।
- 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।
- 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।

- 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.