भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
उत्तर क्षेत्रीय विद्युत समिति
Northern Regional Power Committee

दिनांक: 16 मई, 2024

सेवा में / To,

उ.क्षे.वि.स. के सभी सदस्य एवं विशेष आमंत्रित (संलग्न सूचीनुसार)
Members of NRPC & Special Invitees (As per List)

विषय: उत्तर क्षेत्रीय विद्युत समिति की 73 वीं बैठक की कार्यसूची ।
Subject: Agenda for 73rd meeting of Northern Regional Power Committee-reg

महोदय / महोदया,

उत्तर क्षेत्रीय विद्युत समिति की 73 वीं बैठक दिनांक **21.05.2024 (11:00 AM)** को वीडियो कॉन्फ्रेंसिंग के माध्यम से आयोजित की जाएगी । बैठक की कार्यसूची संलग्न है ।

कृपया उपस्थिति सुनिश्चित करें या अपनी ओर से उपयुक्त प्रतिनिधि (**महाप्रबंधक/अधीक्षण अभियंता से कम नहीं**) नियुक्त करें। मीटिंग लिंक अलग से साझा किया जाएगा ।

The 73rd meeting of Northern Regional Power Committee (NRPC) will be held on **21.05.2024 (11:00 AM)** via video conferencing. Agenda for the same is attached.

Kindly make it convenient to attend the same or depute suitable representative (**not lower than General Manager/ Superintending Engineer**) to attend meeting on your behalf. Meeting link shall be shared separately.

भवदीय
Yours faithfully

Signed by Vijay Kumar Singh
Date: 16-05-2024 18:35:46

(वी.के. सिंह)
(V.K. Singh)
सदस्य सचिव
Member Secretary

प्रतिलिपि: राजीव सूद, अध्यक्ष, एनआरपीसी एवं एमडी, एचपीपीटीसीएल (md.tcl@hpmail.in)

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सत्यमेव जयते

उत्तर क्षेत्रीय विद्युत समिति

NORTHERN REGIONAL POWER COMMITTEE

Agenda of

The 73rd meeting of

Northern Regional Power Committee

Date: 21st May 2024

Time: 11:00 AM

Via: Video Conferencing

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A.1 Approval of MoM of the 49th TCC & 72nd NRPC meeting

A.1.1 The minutes of the 49th TCC & 72nd NRPC meeting (held on 29-30.03.2024) were issued vide letter dtd. 19.04.2024. Comment received from POWERGRID; NR-2 is as below-

Agenda	Text from Issued minutes of 49th TCC & 72nd NRPC	POWERGRID, NR-2 comment
Transmission scheme for evacuation of power from Ratle HEP (850MW) (agenda by CTUIL)	**A.31.9 -iii** CM, POWERGRID desired that Bay Equipment and hardware fittings removed due to existing system upgradation may be declared as regional spares so as to recover their Salvage value. A.31.10 After detailed discussion, forum accorded the proposal technically.	**A.31.9 -iii** POWERGRID representative presented that bay equipment and hardware fittings removed in the Bays being upgraded at Samba and Kishenpur Substations may be treated as regional spares. A.31.10 After detailed discussion, forum accorded the proposal technically. **Forum agreed that bay equipment and hardware fittings removed in the Bays being upgraded at Samba and Kishenpur Substations shall be treated as regional spares.**

Decision required from Forum:

Forum may discuss on the comment received from the POWERGRID, NR-2 on the issued MoM and may recommend to amend the same, if required.

A.2 Status of action taken on decisions of 49th TCC & 72nd NRPC meeting (agenda NRPC Secretariat)

A.2.1 Status on decisions of 49th TCC & 72nd NRPC meeting is attached as **Annexure-I.**

Decision required from Forum:

Concerned utilities may send the status to NRPC Secretariat for discussion in meeting.

A.3 Non-payment of Outstanding dues by PSPCL against Energy Supplied from RHPS & NJHPS (agenda by SJVN)

A.3.1 SJVN had raised this agenda in the 68th NRPC meeting (held on 18.08.2023), wherein, PSPCL representative informed that they will take up the matter and will resolve it bilaterally.

A.3.2 PSPCL kept the matter pending & same agenda was again put up in the 71st NRPC meeting (held on 29.01.2024), wherein, NRPC forum deferred the agenda as there was no representation from concerned office of PSPCL.

A.3.3 This agenda was discussed in 72nd NRPC meeting (held on 29-30 March 2024), wherein PSPCL representative had assured to clear the SJVN outstanding payment shortly.

A.3.4 PSPCL has signed long term PPA of supply of energy from NJHPS & RHPS. SJVN is governed by the CERC regulations for Tariff Determination of their Projects.

A.3.5 SJVN is charging the LPS to PSPCL on the outstanding amount but PSPCL is disputing the amount on the following ground:

i. Arrear bill of RHPS & NJHPS raised for the period 2014-19:

a) As per Clause 8(13) of CERC regulation, Generators have to raise Arrear Bills within three months from the receipt of Tariff Order from CERC. Based on above clauses, SJVN had raised arrear bills to all its beneficiaries of NJHPS and RHPS after receipt of CERC orders from time to time. The Arrear bills are to be recovered or refunded as per CERC order in single instalments or multiple instalments.

b) PSPCL had unilaterally taken the bill date on the 90th day from the date of issue of Tariff order instead of SJVN bill issue date. (**Annexure-II**).

Clause 8 (13) of Tariff Regulation 2014-19 is reiterated below:

(11) Where after the truing up, the tariff recovered exceeds the tariff approved by the Commission under these regulations, the generating company or the transmission licensee, shall refund to the beneficiaries or the long-term

transmission customers /DICs, as the case may be, the excess amount so recovered as specified in the Clause 13 of this regulation.

(12) Where after the truing up, the tariff recovered is less than the tariff approved by the Commission under these regulations, the generating company or the transmission licensee shall recover from the beneficiaries or the long-term transmission customers /DICs, as the case may be, the under-recovered amount as specified in the Clause 13 of this regulation.

(13) The amount under-recovered or over-recovered, along with simple interest at the rate equal to the bank rate as on 1st April of the respective year, shall be recovered or refunded by the generating company or the transmission licensee, as the case may be, in six equal monthly instalments starting within three months from the date of the tariff order issued by the Commission.

c) The Clause 8(13) of CERC regulation is very clear arrear bills can be issued within three months from the date of tariff order as done by SJVN.

d) LPS has been accumulated due to wrong interpretation of CERC regulation by PSPCL.

ii. PSPCL had charged interest on negative arrear bills

a) SJVN had issued refund to the beneficiaries of RHPS after receipt of tariff order from CERC and interest was paid to the beneficiaries, as per Clause no. 8(13) of CERC regulation 2014-19, which is reproduced below**:**

"The amount under-recovered or over-recovered, along with simple interest at the rate equal to the bank rate as on 1st April of the respective year, shall be recovered or refunded by the generating company or the transmission licensee, as the case may be, in six equal monthly instalments starting within three months from the date of the tariff order issued by the Commission."

b) Beside the interest paid by SJVN, PSPCL has further charged the interest on arrear bills.

c) Both of these actions of PSPCL are in violation of provisions of CERC regulations. This had resulted into accumulation of Late Payment Surcharge (LPS).

d) In view of above, PSPCL may be directed to treat the bill date when the bills had been issued and not to charge any interest negative bills which is contrary to any CERC regulation.

iii. Non-payment of Late Payment Surcharge payable against Energy Supplied from RHPS:

PPA Clause of RHPS:

Clause 8.4 of PPA is reproduced below:

All Payments received from the Bulk Power Customer shall be appropriated by SJVN for the amounts due in the following order of priority:

i) Towards late payment surcharge payable, if any;

ii) Towards outstanding Monthly Bills, if any;

iii) Towards the Capacity Charges, Energy Charges and any other charges in the current bill(s)

a) SJVN had charged LPS to PSPCL as per above clause. But, PSPCL is not following the methodology as mentioned in above clause while acknowledging the LPS.

b) PSPCL has been making the Late payment surcharge payment calculation without considering terms and conditions of the PPA and disputing the LPS charged by SJVN in PRAAPTI portal without assigning any reason.

c) SJVN has been rigorously following with PSPCL for its outstanding payments.

d) PSPCL may be directed to accept the Late Payment surcharge calculation as per the methodology defined in the mutually signed PPA.

e) The agenda was discussed in 72nd NRPC meeting held at Lucknow Uttar Pradesh where Forum directed PSPCL shall abide by the PPA provisions and accordingly resolve the issues with SJVN. Consequent to above meeting, SJVN shared LPS calculation payable up to 31.03.2024 with PSPCL.

f) PSPCL had not acknowledged the LPS calculation shared with them.

A.3.6 SJVN requested forum that PSPCL may be impressed upon to pay the outstanding amount including LPS on delayed payments to avoid any penal action provided in CERC regulations/GOI notifications.

Decision required from Forum:

Forum may deliberate on the above issues and resolve the same.

A.4 Non-Opening of Letter of Credit by JKPCL (formally PDD, J & K) for power supplied from NJHPS & RHPS (agenda by SJVN)

A.4.1 As per mutually signed Power Purchase Agreement and MOP, GOI various order/ gazette Notifications (e.g. 28.06.2019, 21.02.2021 and 03.06.2022), Beneficiary has to establish Letter of Credit in line with payment security Mechanism.

A.4.2 The established LC should be confirmed, revolving, irrevocable and in favour of SJVN for an amount equivalent to 105% of average monthly billing of preceding 12 months with appropriate bank as mutually acceptable to both the parties. The LC shall be kept valid at all the time during the validity of the Power Purchase Agreement.

A.4.3 In spite of repeated reminders, JKPCL had not opened Letter of Credit after 13.11.2019 for power supplied from NJHPS and RHPS. The value of LC for NJHPS and RHPS for F.Y. 2024-25 is Rs. 15.15 Cr per month and 7.97 Cr per month respectively.

A.4.4 JKPCL may be advised to submit Letter of Credit of above amount in favour of SJVN at the earliest.

Decision required from Forum:

Forum may deliberate the issue and facilitate the desired Letter of Credit for power supplied from NJHPS & RHPS.

A.5 Implementation of "N -1" contingency at RE pooling substations in NR (agenda by CTUIL)

A.5.1 In the 56th NRPC meeting held on 29.07.22, agenda for Implementation of "N-1" contingency at RE pooling substations in NR was deliberated. In the meeting following ICTs agreed to be taken up for implementation on receipt of commensurate LTA quantum at RE pooling stations as shown below-

i. Augmentation with 400/220kV, 1x500MVA Transformer at Bhadla-2 PS (4th ICT at Section-1A)
Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 1000 MW at 220kV level of Bhadla-2(Section-1A) whichever is later.

ii. Augmentation with 400/220 kV 1x500 MVA (6th) ICT at Fatehgarh-2 PS (In Section-1A with cable/GIS duct connection at 220kV side)
Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 2000 MW at 220kV level of Fatehgarh-2(Section-1A) or LTA grant schedule of M/s Eden RE Bercy (Mar'24) whichever is later.

iii. Augmentation with 400/220 kV 1x500 MVA(4th) ICT at Bikaner PS
Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 1000 MW at 220kV level of Bikaner PS whichever is later.

iv. Augmentation with 400/220kV, 1x500MVA (6th) ICT at Bhadla-2 PS (In Section-1 with cable/GIS duct connection at 220kV side)
Implementation Timeframe: 15 months from the date of allocation of project or evacuation requirement beyond 2075 MW at 220kV level of Bhadla-II PS whichever is later.

A.5.2 Considering that request for implementation of above augmentation is triggered in S.No. iii & iv, therefore same is being proposed for approval.

A.5.3 It is to be mentioned that under Connectivity Regulations 2009, Connectivity & LTA were different products. However, subsequent to notification of GNA regulations, connectivity has become a single merged product which is granted along with equal quantum of GNA.

A.5.4 Regarding S. No. iii, at present, Bikaner (PG) S/s has 400/220 kV transformation capacity of 1000 MVA(2x500MVA). Further, 3rd 500MVA ICT is currently under implementation and is expected to be commissioned by Jun'24. At present, 935 MW of RE is already interconnected at Bikaner PS at 220 kV level and for additional connectivity of 300 MW (70+105MW+125MW) is also granted to M/s Shikhar Surya

(One) Pvt. Ltd. and applicant have completed the necessary transition requirement of connectivity of 300MW from Connectivity regulations 2009 to GNA Regulations 2022. Further, considering above, total connectivity of 1235 MW is granted at 220kV level of Bikaner (PG). Therefore, there is requirement of 4th 500MVA ICT at Bikaner (PG) to meet N-1 compliance beyond 1000 MW at 220kV level.

A.5.5 Regarding S. No. iv, at Bhadla-II PS (Sec-I) total connectivity granted is 2375 MW and all the connectivity grantees have completed the transition requirement of connectivity from Connectivity regulations 2009 to GNA Regulations 2022. Therefore, with 2375 MW of Connectivity at Bhadla-II PS(Sec-I), to satisfy N-1 reliability criteria at Bhadla-II PS(Sec-I), the implementation of 6th 400/220 kV ICT needs to be taken up.

A.5.6 Accordingly, following ICTs augmentation scheme is taken up for implementation in ISTS:

- Augmentation of 400/220 kV, 500 MVA (4th) ICT at Bikaner (PG) S/s along with associated transformer bays
- Augmentation of 400/220 kV, 1x500 MVA (6th) ICTs at Bhadla-II PS(Sec-I) along with associated transformer bays
- Estimated Cost: Rs 120 Cr.

A.5.7 Considering, as per project timelines of ICT augmentation, implementation timeframe for above augmentation may be kept as 18 months instead of 15 months.

A.5.8 Further, regarding S. No. i & ii i.e. Augmentation with 400/220kV, 1x500MVA Transformer at Bhadla-2 PS (4th ICT at Section-1A) & Augmentation with 400/220 kV 1x500 MVA (6th) ICT at Fatehgarh-2 PS (In Section-1A) shall be required to meet N-1 criteria. At present, trigger condition for taking up implementation of above ICTs are yet to be happen, same may be approved for taking up implementation based on meeting the requirement stipulated as under:

- Augmentation with 400/220kV, 1x500MVA Transformer at Bhadla-2 PS (4th ICT at Section-1A)

  Implementation Timeframe: 18 months from the date of allocation of project (immediate evacuation requirement beyond 1000 MW at 220kV level of Bhadla-2(Section-1A))

- Augmentation with 400/220 kV 1x500 MVA (6th) ICT at Fatehgarh-2 PS (in Section-1A) (6th) with cable/GIS duct connection at 220kV side)

Implementation Timeframe: 18 months from the date of allocation of project (immediate evacuation requirement) beyond 2000 MW at 220kV level of Fatehgarh-2 PS (In Section-1A))

Decision required from Forum:

Forum may deliberate on the above proposals and consider to approve accordingly.

A.6 Redundant Communication for Dulhasti (NHPC) & Kishtwar (Sterlite) station (agenda by CTUIL)

A.6.1 Presently Dulhasti (NHPC) station is connected with single path via 400kV Kishenpur – Dulhasti D/c line with OPGW. As Dulhasti is radially connected and also on AGC operation it is proposed to provide redundant communication path. Further New Kishtwar Substation is also proposed to be connected over radial path with Kishenpur.

A.6.2 To provide redundant communication to Dulhasti Station feasibility of OPGW installation on 400kV Kishenpur- Dulhasti S/c line (Circuit-1) strung over modified 220kV towers was deliberated in the 2nd, 3rd CPM (CTU Communication Planning Meeting) of NR, 22nd & 23rd TeST meeting of NRPC and in 57th NRPC. In the 23rd NRPC TeST meeting POWERGRID stated that OPGW installation is not feasible on this line due to tower strengthening not feasible.

A.6.3 In 27th CMTES meeting (Abstract of MoM attached at **Annexure-III**) POWERGRID representatives informed that as reconductoring scope is also envisaged on 400kV Kishenpur- Dulhasti S/c line (120kms.) (Strung over modified 220kV towers) under “Transmission system scheme for Ratle HEP (850MW)”. During reconductoring work OPGW can be installed on this line as sag can be relaxed during installation which shall remove hindrance of tower strengthening due to OPGW installation. Further this will also create diverse physical path in line with CEA Manual of Communication Planning.

A.6.4 The proposed OPGW arrangement is given at Fig-1. This scheme shall provide redundant communication to Dulhasti as well as new Kishtwar Substation.

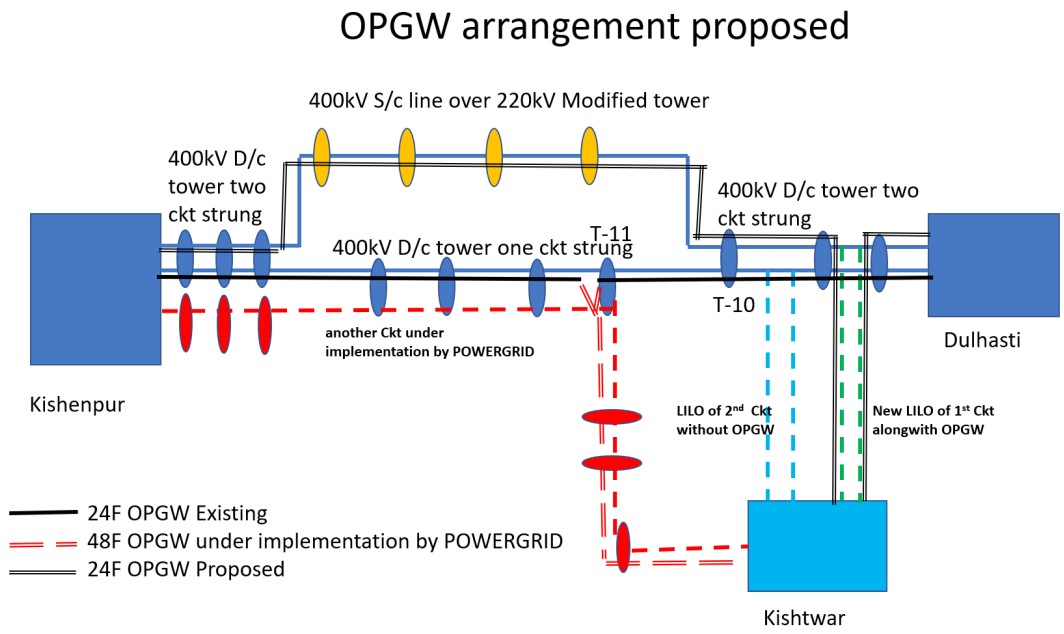


Fig-1

A.6.5 Details of proposed scheme is given below:

Scheme Name : Redundant Communication system for Dulhasti (NHPC) & Kishtwar (Sterlite) station
Scope of scheme : Supply and installation of OPGW (24F) on 400kV Kishenpur-Dulhasti S/c line (Circuit-1) line (120 kms) along with FOTE at Dulhasti & Kishtwar

Estimated Cost: **Rs. 7.2 crore** (approx.) (excluding taxes and duties)
Implementation Mode: **RTM**
Implementation Agency – **POWERGRID**
Schedule of installation – **18 months from the date of allocation**

Decision required from Forum:

Forum may deliberate above proposal of CTU and may approve accordingly.

A.7 Shifting of agricultural loads from non-solar hours to solar hours (agenda by NRLDC)

A.7.1 MoP vide communication dated 01.02.2024 (**Annexure-IV**) had communicated some observations regarding RE installed capacity and meeting the huge demand anticipated in the coming years. The following are highlighted in the communication:

- In order to combat global warming, it is necessary to shift from coal-based power generation to Renewables.

- India has pledged that by 2030, it will have 50% of its installed capacity from non-fossil (Renewable) sources.
- By 2030, India shall have 500 GW installed capacity from non-fossil sources which will include 292.5 GW of solar and 99.9 GW of wind.
- During peak demand of 243 GW, the total demand was met with no shortfall during solar hours. During non-solar hours, there was a short fall of 8000 to 9000 MW.
- Renewable energy – specially solar – has a lower gestation period compared to Thermal Plants (6-7 years) so the increasing solar capacity will keep pace with the growth in demand. This will ensure that there will be no shortage of power during solar hours. Keeping all factor in view, it has been decided that agricultural load be shifted to solar hours. This will have the following advantages
    - The farmers will be able to irrigate their fields during daylight hours
    - This will prevent depletion and help in conservation of precious ground water resources.
    - Solar power is cheaper than thermal / hydro – so the cost of supply during daylights hours is cheaper- so the cost of power of irrigation will come down.
- There shall be no curtailment in the hours of supply for agriculture. The farmers will keep getting the same number of hours of supply which they are getting now. Because of large capacity addition RE, there shall be no shortage of solar / RE solar hours.
- It is proposed to shift to time of day (TOD) tariff. Under TOD, tariff during solar hours will be less.
- It is requested that the shifting agricultural load to solar hours be implemented by end of March, 2024. Some states have reported constraints in transmission / distribution because of which the shift could be delayed. In such cases, the shift can be in phases. The Transmission and distribution bottlenecks can be addressed by using fund from the RDSS to separate agriculture feeder.
- The agriculture feeders can be solarised in the RESCO mode under Kusum. This will do away with the transmission and distribution constraints, reduce the cost of supply for agriculture and reduce the subsidy burden on the State Government. This does not entail any expenditure by the state Government, because the solarisation is done in the RESCO mode with subsidy from Government of India.

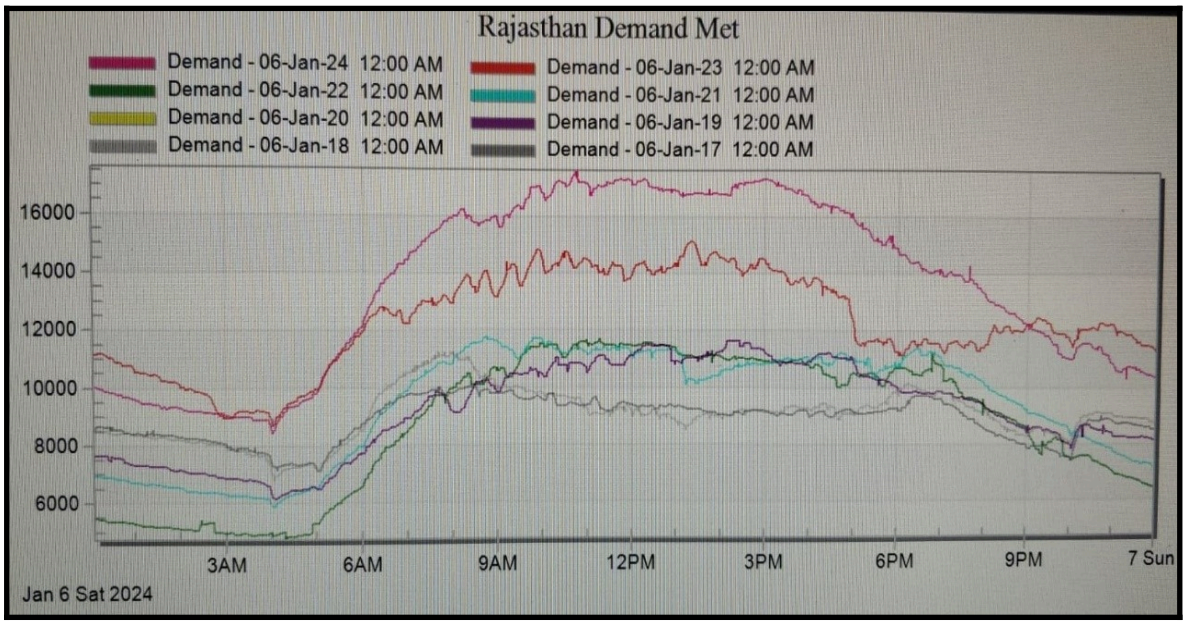
- It is requested that the shifting agricultural load to solar hours be operationalized as soon as possible because of demand – which is already 12 to 15 thousand megawatts more than last year on a daily basis – is likely to increase especially as the year progress. It is proposed to shift to Time of Day (TOD) Tariff, under which Tariff during Solar Hours will be less. It may be also analyzed as to what other load can be shifted to solar hours; and this may be done.

A.7.2 In this regard, it is worth mentioning that in Northern region, Rajasthan has shifted load to day time from last 2-3 years. Number of issues are being observed in Rajasthan control area as discussed in 49th TCC and 72nd NRPC meetings held on 29-30 March 2024. Extract of MoM is shown below:

Quote

A.22.8 From the data available at NRLDC, it is being observed that the loading of almost all 400/220kV substations (intrastate as well as interstate) in Rajasthan is beyond their N-1 contingency limit during day-time. Such situation has led to load loss in particular area of N-1 non-compliance apart from possibilities of major grid disturbance in Rajasthan control area.

A.22.9 Moreover, from the data at NRLDC & past discussions in OCC, it is seen that there has been considerable shifting of load in day-time by Rajasthan.



A.22.10 From the graph above, it can be clearly seen that there has been considerable increase in demand of Rajasthan during day time for last 2 years (sample day of 6th Jan chosen) and load is being shifted to daytime which has led to critical operation of Rajasthan grid as 400/220kV ICTs augmentation is yet to take place and pending for last several years.

During the meeting held on 20.02.2024,

- *SLDC representative requested that if Govt. directions come for supply from 2 to 3 blocks then temporarily solution can be reached.*
- *MS(NRPC) stated that Rajasthan may approach their higher officials for allowing supply from 2 to 3 blocks at least at N-1 constrained substations.*

A.22.11 As requested earlier, Rajasthan SLDC was requested to take up the matter with Rajasthan DISCOM, STU and higher management and highlight the critical situation of Rajasthan grid. Further, it is suggested that quick decisions are taken w.r.t. supply hours till capacity augmentation is completed at severely loaded substations.

A.22.12 Rajasthan SLDC representative conveyed that as per Government of Rajasthan budget announcement, it has been directed to meet agriculture load in 2 blocks (6 to 12 hrs and 12 to 18 hrs). SPS has been implemented for 6 schemes. Procurement of 11 number of ICT is under process and will take 18 months. Radial load of 400 kv Alwar from Hindaun is being met which is leading to severe low voltage in Alwar and Hindaun.

A.22.13 Issue of low voltages which will be present during summer months was once again highlighted from NRLDC side.

A.22.15 NRLDC representative also highlighted that capacitor banks are needed to be installed.

A.22.16 It was stated by SLDC Rajasthan that capacitor bank installation through PSDF funding has been rejected due to lack of funds.

A.22.17 Member Secretary, NPC division of CEA suggested that SLDC Rajasthan can explore RDSS scheme for its funding similarly like Uttarakhand which has done it successfully recently.

A.22.18 SLDC Rajasthan agreed that the matter will be taken through RDSS after management approval.

Unquote

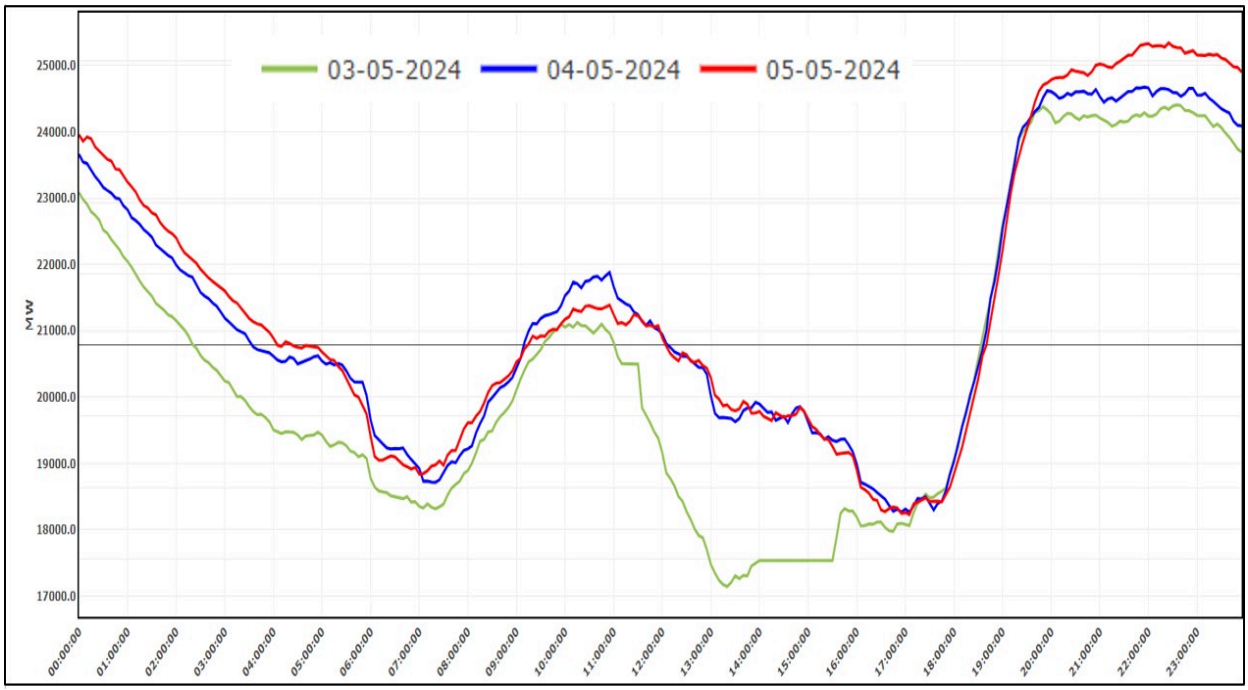
A.7.3 As per the communication from MoP, it is clear that some states have reported constraints in transmission / distribution in shifting agricultural load to daytime because of which the shift could be delayed. In such cases, the shift can be in phases. The Transmission/ distribution bottlenecks can be addressed by using fund from the RDSS to separate agriculture feeder.

A.7.4 Accordingly, Rajasthan is requested to

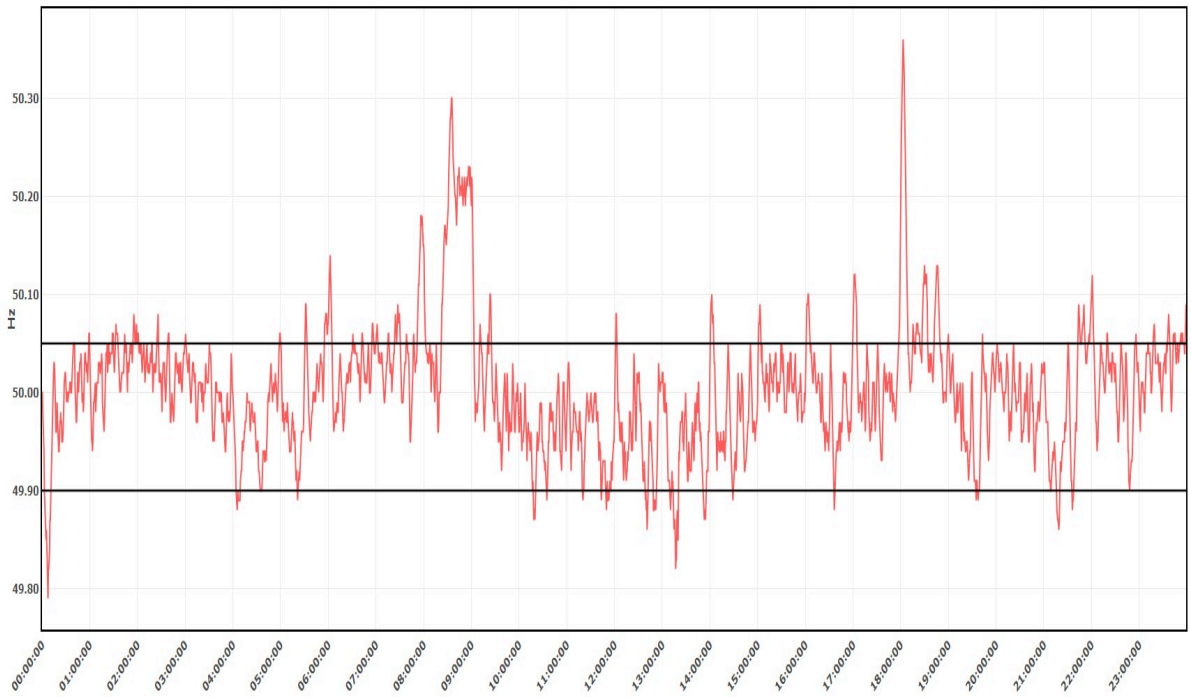
- Address the transmission and distribution related issues being encountered while shifting of agricultural load to day time

- Explore fund from RDSS to separate agricultural feeder as discussed in last TCC/NRPC meeting and communication received from MoP.
- Till the transmission and distribution related issues are resolved, it is requested to manage the agricultural supply for constrained locations during day time to avoid issues during grid operation

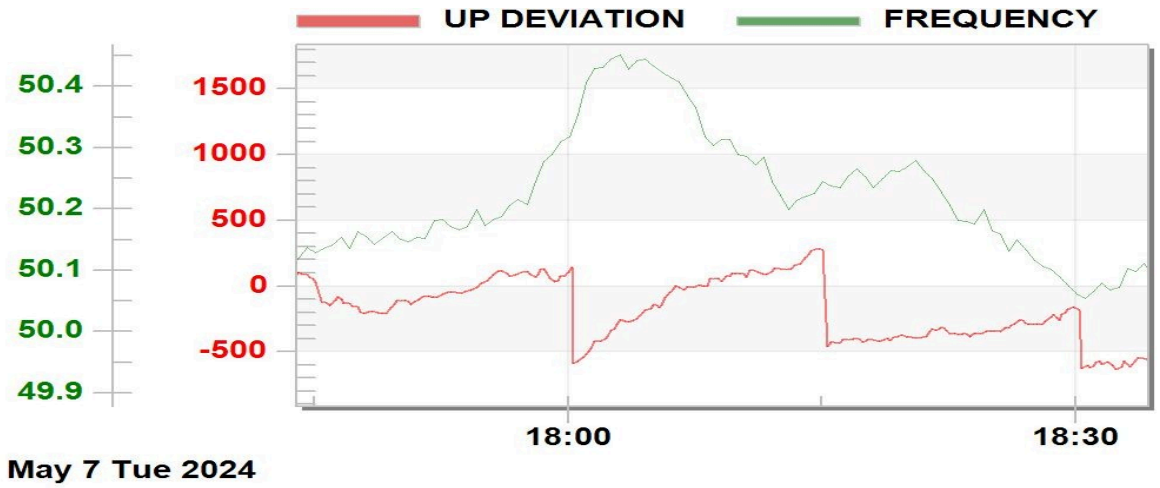
A.7.5 Further, demand profile of UP state is analyzed. Demand profile of UP state for few days of May 2024 is shown below:



A.7.6 As is clear from the plot shown above, there is huge increase in demand of UP state control area from 18:00hrs onwards. It becomes difficult to meet the ramp in demand of big state like UP where demand is increasing during evening time when solar generation is declining. This ramp in demand also leads to significant changes in schedule of UP state which may lead to underdrawl/overdrawl for some period during same time block. Such instantaneous overdrawl/ underdrawl always has possibility to lead to frequency excursions in the grid. Such excursions were also noticed on 05.05.2024 recently @ 18:00hrs

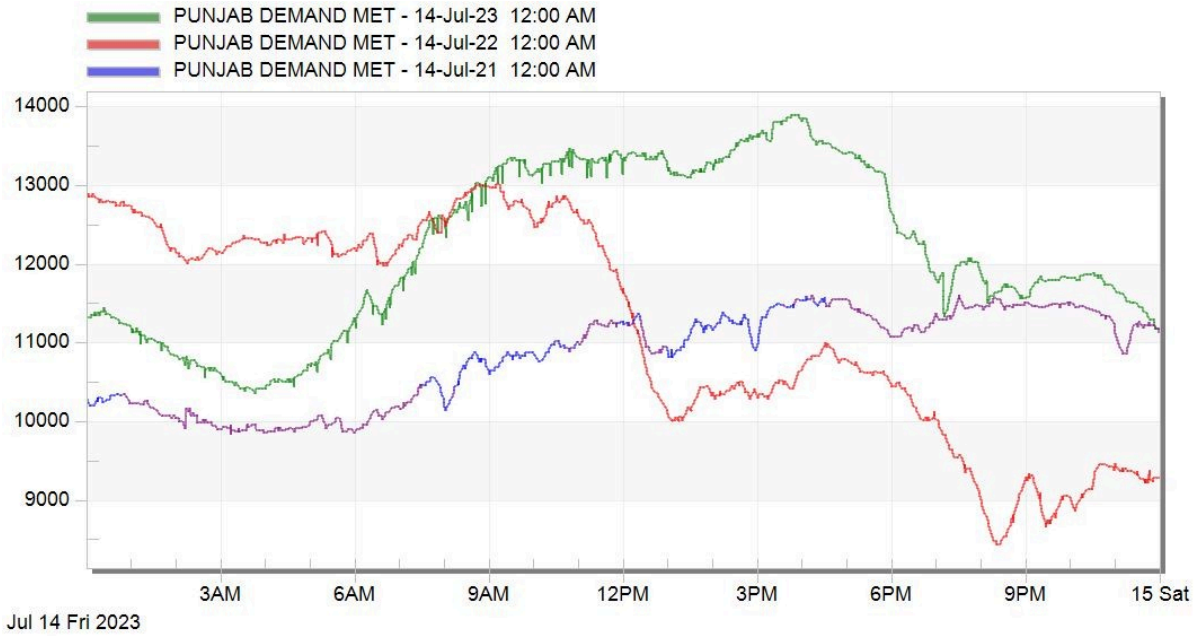


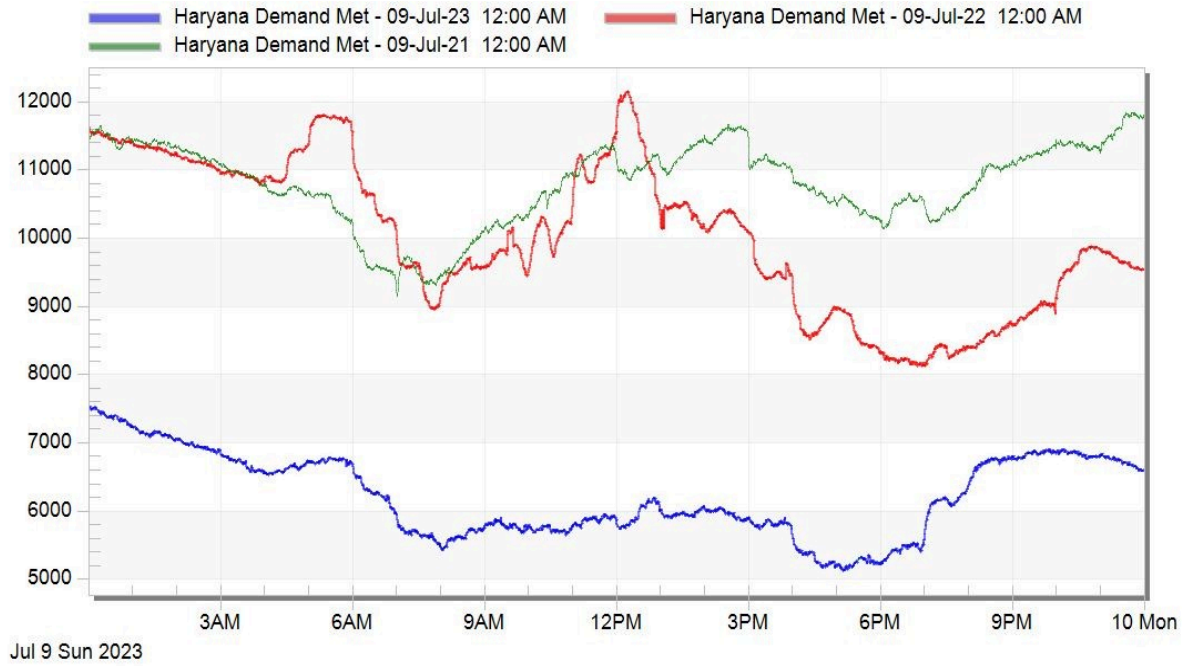
A.7.7 Similarly, on 7th May, grid frequency touched high of 50.43Hz near 18:00hrs and during this time it was observed that the drawl schedule of UP State was ramping very high. It can be seen that UP state was having under drawl when frequency reached maximum high as shown below:



A.7.8 In view of the communication received from MoP and issues encountered during grid operation due to ramp in demand during evening time, UP state is requested to explore possibility of shifting agricultural load to day time.

A.7.9 On observing the demand pattern of Punjab and Haryana for last three seasons, it is seen that there has been increase in demand met during day time as shown below.





A.7.10 Punjab and Haryana SLDCs are requested to provide update regarding shifting of agricultural load to day time.

A.7.11 All states/UT are requested to initiate the action to adhere to the Government of India Directives for compliances

Decision required from Forum:

Members may please discuss.

A.8 Reporting requirement and Procedure preparation as per CERC (IEGC) Regulations, 2023 (agenda by NRLDC)

a) As per CERC (IEGC) Regulations effective from 01.10.2023, following are key Reporting /Procedure preparation requirement:

i) SLDC/States/DISCOMs

Reporting Requirement	
Transmission resource adequacy assessment -STU	Resource Planning Code: Regulation No. 5(4)(b)
Exception report of UFR (monthly) -SLDC	Operating Code: Regulation No. 29(13)(d)
Operational planning (monthly / yearly) -SLDC	Operating Code: Regulation 31(1)(a)
Operational planning (Intra-day, Day Ahead, Weekly) -SLDC	Operating Code: Regulation 31(1)(b)
Forecast error (intra-day/ day-ahead /weekly/monthly and yearly) -SLDC	Operating Code: Regulation 31(2)(i)
Operational analysis (post-despatch) -SLDC	Operating Code: Regulation No. 37(1)
Flash report and detailed report on any grid disturbance (post grid disturbance) – SLDC/STU	Operating Code: Regulation No. 37(2)
Self-audit Report (By 31st July of every year)) –SLDC/STU	Monitoring and Compliance Code: Regulation No. 56(2)(a)
Documents to be prepared as per IEGC	
Detailed procedure covering modalities for first time energization and integration of new or modified power system elements -SLDC	Connection Code Regulation No. 8(4)
Operating procedure-SLDC	Operating Code: Regulation No. 28(5)
Procedure for operational planning analysis, real-time monitoring, real-time assessments and format for data submission and updating -SLDC	Operating Code: Regulation No. 31 (1) (d)
Restoration Procedure-SLDC	Operating Code: Regulation No. 34 (1)
Detailed procedures for restoration post partial and total blackout of user system -STU	Operating Code: Regulation No. 34 (3)

ii) Generators

Reporting Requirement

Tuning of AVR, PSS, Voltage Controllers (PPC) including for low and high voltage ride through capability	Operating Code: Regulation No. 29(7)
Flash report and detailed report on any grid disturbance (post grid disturbance)	Operating Code: Regulation No. 37(2)
Self-audit Report (By 31st July of every year))	Monitoring and Compliance Code: Regulation No. 56(2)(a)
Procedure to be prepared as per IEGC	
Detailed procedures for restoration post partial and total blackout of user system	Operating Code: Regulation No. 34 (3)

A.8.1 Generators/STUs/SLDCs may initiate actions to adhere to the requirements. Ready templates are available at NLDC website and the same can be modified for individual requirement.

b) The Implementation of Free Governor Mode of Operation for all thermal Units in Northern Region is due since 1st October 2023

Fuel/Source	**Minimum unit size/Capacity**	**Up to**
Coal/Lignite Based	200 MW and above	± 5% of MCR
Hydro	25 MW and above	± 10% of MCR
Gas based	Gas Turbine above 50 MW	± 5% of MCR (Corrected for ambience temperature)
WS Seller (commissioned after the date as specified in CEA Technical Standards for Connectivity)	Capacity of Generating station more than 10 MW and connected at 33 kV and above	As per CEA Technical Standards for Connectivity

A.8.2 As per the aforementioned IEGC-2023 mandates, an urgent transition plan is necessary to switch governors from Restricted Governor Mode of Operation (RGMO) to Free Governor Mode of Operation (FGMO) as it is due since 1st October 2023. This plan may be developed in collaboration with respective Original Equipment Manufacturers (OEMs) and implemented promptly.

A.8.3 It is requested that all generating stations ensure that their units are brought under FGMO as it was critical for primary response and for mandatory compliance of IEGC.

c) Periodic Testing of Generators, HVDC/FACTS Devices

A.8.4 Regulation 40 (1) of CERC (IEGC) Regulations, 2023 stipulate that there shall be periodic tests, as required under clause (3) of this Regulation, carried out on power system elements for ascertaining the correctness of mathematical models used for simulation studies as well as ensuring desired performance during an event in the system.

A.8.5 The tests shall be performed once every five (5) years or whenever major retrofitting is done. If any adverse performance is observed during any grid event, then the tests shall be carried out even earlier, if advised by SLDC or RLDC or NLDC or RPC, as the case may be.

A.8.6 Further, Regulation 40(1)(b) stipulate that "All equipment owners shall submit a testing plan for the next year to the concerned RPC by 31st October to ensure proper coordination during testing as per the schedule. In case of any change in the schedule, the owners shall inform the concerned RPC in advance."

A.8.7 Extract of IEGC 2023 clause 40,

"40. PERIODIC TESTING

(1) There shall be periodic tests, as required under clause (3) of this Regulation, carried out on power system elements for ascertaining the correctness of mathematical models used for simulation studies as well as ensuring desired performance during an event in the system.

(2) General provisions

(a) The owner of the power system element shall be responsible for carrying out tests as specified in these regulations and for submitting reports to NLDC, RLDCs, CEA and CTU for all elements and to STUs and SLDCs for intra-State elements.

(b) ***All equipment owners shall submit a testing plan for the next year to the concerned RPC by 31st October to ensure proper coordination during testing***

***as per the schedule**. In case of any change in the schedule, the owners shall inform the concerned RPC in advance.*

(c) The tests shall be performed once every five (5) years or whenever major retrofitting is done. If any adverse performance is observed during any grid event, then the tests shall be carried out even earlier, if so advised by SLDC or RLDC or NLDC or RPC, as the case may be.

(d) The owners of the power system elements shall implement the recommendations, if any, suggested in the test reports in consultation with NLDC, RLDC, CEA, RPC and CTU.

(3) Testing requirements

The following tests shall be carried out on the respective power system elements:

TABLE 9 : TESTS REQUIRED FOR POWER SYSTEM ELEMENTS

Power System Elements	Tests	Applicability
Synchronous Generator	(1) Real and Reactive Power Capability assessment. (2) Assessment of Reactive Power Control Capability as per CEA Technical Standards for Connectivity (3) Model Validation and verification test for the complete Generator and Excitation System model including PSS. (4) Model Validation and verification of Turbine/Governor and Load Control or Active Power/ Frequency Control Functions. (5) Testing of Governor performance and Automatic Generation Control.	Individual Unit of rating 100MW and above for Coal/lignite, 50MW and above gas turbine and 25 MW and above for Hydro.
Non synchronous Generator (Solar/Wind)	(1) Real and Reactive Power Capability for Generator (2) Power Plant Controller Function Test (3) Frequency Response Test (4) Active Power Set Point change test. (5) Reactive Power (Voltage / Power Factor / Q) Set Point change test	Applicable as per CEA Technical Standards for Connectivity.
HVDC/FACTS Devices	(1) Reactive Power Controller (RPC) Capability for HVDC/FACTS (2) Filter bank adequacy assessment based on present grid condition, in consultation with NLDC. (3) Validation of response by FACTS devices as per settings.	To all ISTS HVDC as well as Intra-State HVDC/FACTS, as applicable

A.8.8 In accordance with above, Generators and HVDC/FACT owners were required to furnish the Testing schedule for 2024-25 by 31st October 2023.

A.8.9 The procedure for testing is available at the NLDC website at https://posoco.in/wp-content/uploads/2023/09/Final-Procedure-of-Periodic-Testing-for-Power-System-Elements-submitted-to-CERC.pdf. This may be used for testing.

A.8.10 Along with testing, the mathematical models (preferably PSSE models) based on the results of testing need to be provided, so that All India case can be built with the respective generic models.

A.8.11 Generators and HVDC/FACT owners may furnish the Testing schedule for 2024-25 at the earliest.

d) Protection Audit Plan (internal & third party) of Sub stations for FY 2024-25

(i) The Clause (5) of Regulation 15 of IEGC Regulations, 2023 envisages as below:

a. "All users shall conduct internal audit of their protection systems annually, and any shortcomings identified shall be rectified and informed to their respective RPC. The audit report along with action plan for rectification of deficiencies detected, if any, shall be shared with respective RPC for users connected at 220 kV and above (132 kV and above in NER).

b. All users shall also conduct third party protection audit of each sub-station at 220 kV and above (132 kV and above in NER) once in five years or earlier as advised by the respective RPC."

.....

(5) Annual audit plan for the next financial year shall be submitted by the users to their respective RPC by 31st October. The users shall adhere to the annual audit plan and report compliance of the same to their respective RPC."

A.8.12 It is requested that all entities may furnish the annual audit plan (Internal & Third party) for the substations 220kV and above voltage level for FY 2024-25. It is also requested that Annual audit plans for internal audit of their protection systems and third-party protection audit shall be furnished separately.

Decision required from Forum:

Members may please deliberate

A.9 Integration of Schedule/DC values of State Generator in SCADA System (agenda by NRLDC)

A.9.1 In high-demand period there is requirement of monitoring Declared Capacity & Schedule of all Generating Stations so that reserves can be monitored for real-time grid operation. Schedule & DC of Central sector is being integrated with NRLDC SCADA system and same is being monitored by Control Room. However, DC & Schedule of State generator is not integrated with their SCADA system.

A.9.2 It is requested that all states take up for integration of state generator in their SCADA system for further integration with NRLDC.

A.9.3 Issue was discussed in 23rd TeST Meeting held on 21.09.2023 & 24th Test Meeting held on 09.02.2024. Present Integration from J&K, Uttarakhand and Rajasthan is still pending.

A.9.4 Considering high-demand crunch period, it is very critical to monitor all the generators and corresponding reserves. In this regard, NRLDC requested to take up for integration of Schedule / DC of generators in SCADA.

Decision required from Forum:

Members to note and share timelines for integration.

A.10 Non-availability of Telemetry & forecasting of intra-state RE Generators (agenda by NRLDC)

A.10.1 Given the accelerated pace of Renewable Energy integration, to ensure the stability of the Grid, it is imperative to monitor the RE Generation capacity under respective state jurisdictions by exploring the possibility of integrating the Real-Time data of these RE generators with SLDC and as well as with the Forecasting tools making its visibility along with forecasts at REMCs at Regional and National level.

A.10.2 It is requested that SLDCs, integrate the total RE generation capacity into SCADA /REMC, and arrangements for forecasting of the same need to be ensured to enable proper monitoring and forecasting of total RE generation under the respective jurisdiction.

A.10.3 The Real-Time data and the Forecasted Data of these RE generators may be transferred to SCADA systems available at RLDCs/NLDC to make their visibility at REMCs available at the Regional and National level.

A.10.4 Further, as the availability of weather forecast data is crucial for reliable RE generation predictions, efforts should be taken to ensure the improvement of weather forecasts available for forecasting. Efforts have been made at GRID-INDIA to integrate weather forecasting at REMCs with smaller grid sizes from NCMWRF. SLDCs are also requested to explore better ways of Weather forecasting with further improved accuracy.

A.10.5 Details of RE Generation Monitored capacity and their forecasting status is tabulated below:

S.No.	State	Installed Capacity	Telemetry not Integrated	% Non-Telemetered	Forecasting Capacity	% Forecasted
1.	Rajasthan	4540(S) +4328(W)	422(S)+ 15(W)	**4.92%**	4118(S)+ 4313(W)	**95.07%**
2.	Punjab	881	0	0%	0	**0%**
3.	Uttar Pradesh	2540	0	0%	0	**0%**
4.	Uttarakhand	298	298	**100%**	0	**0%**
5.	Himanchal Pradesh	80	20	**25%**	0	**0%**

A.10.6 All concerned are requested to take up for integration of telemetry of RE generators and forecast at SLDC end.

Decision required from Forum:

Members may please note and advise concerned for necessary actions.

A.11 URTDSM Phase-II Project – Implementation through RTM route (agenda by POWERGRID)

A.11.1 POWERGRID has been entrusted to prepare the DPR for URTDSM Phase-II project in the 13th NPC meeting held on 05.07.2023.

A.11.2 DPR for URTDSM Phase-II Project with an estimate of Rs.3922 Crores was submitted to NPC/CEA on 11.03.2024 with original scope. This included replacement of 32 control centres, addition of 2 control centres and about 4000PMUs.

A.11.3 In 14th NPC meeting held in Bengaluru on 03.02.2024, DPR status was updated to members. It was suggested to optimise the cost.

A.11.4 NPC vide email dated 18.04.2024 has informed that PSDF funding shall not be available for the project and alternate sources of funding shall be explored by POWERGRID.

A.11.5 Justification for Phase-II project- The WAMS system installed under Phase-I project proved its significance and usefulness to the Grid Operators for wide area monitoring of the Grid and Event Analysis. Further, the expanding Indian Power Grid with increased penetration of renewable energy sources and Govt of India's plan to achieve 500GW RE power by 2030, needs Smart Grid tools to proactively monitor, manage, and operate the Grid. URTDSM Phase-II project shall have the capability to have advanced WAMS analytics for Oscillation monitoring, Disturbance analysis, inertia monitoring, measurement of RE generator(inverter) response, which shall enhance the Grid observability for efficient and safe operation of the Grid.

A.11.6 However, as informed by NPC, PSDF grant cannot be arranged for the Phase-II project.

A.11.7 Keeping in view of the above factors, POWERGRID proposes to take up URTDSM Phase-II Project on pan India basis (upgradation of all Control Centres and installation of new PMUs), on cost sharing mechanism (RTM) with the approval of all RPCs and Regulatory Authority.

Decision required from Forum:

Members may kindly deliberate on the above proposal of POWERGRID and accord approve accordingly.

A.12 Diversion of spare 220/132kV 200MVA 3-phase ICT from Raibareilly (POWERGRID) to Ara (POWERGRID) substation of Eastern Region (Agenda by POWERGRID)

A.12.1 CTU vide OM in May'23 has allotted ERES-XXXVI for installation of 1x200MVA 220/132kV ICT at Ara substation of Eastern Region with completion schedule of

Aug'24. Work has been awarded and civil works are under progress but the supply of 220/132kV 200MVA ICT is expected in Jul/Aug'24.

A.12.2 Due to continuous increasing load demand, there is urgent requirement for installation of 4th 220/132kV 200MVA ICT at Ara substation. But there is no suitable spare in Eastern Region to meet the same.

A.12.3 At present, 220/132kV 200MVA ICT, regional spare is available at Raibareilly substation of Northern Region. This spare ICT is proposed to be diverted to Ara substation on replenishment basis.

A.12.4 Due to urgent requirement of 200MVA 220/132kV ICT at Ara substation, POWERGRID requested to approve the diversion of spare 220/132kV 200MVA ICT from Raibareilly substation to Ara substation on replenishment basis.

A.12.5 The new ICT shall be commissioned as regional spare at Raibareilly substation in 2/3 months without any cost implications to any constituents of NR.

Decision required from Forum:

Members may kindly discuss and approve the diversion of spare 220/132kV 200MVA ICT from Raibareilly substation to Ara substation on replenishment basis.

A.13 Establishment of State-of-the-Art National Unified Network Management System (N-UNMS) in main & backup configuration integrating all the Regional UNMS for ISTS Communication System (Agenda by CTUIL)

A.13.1 In line with CERC, CEA Regulations and RPC approvals, the Regional UNMS scheme integrating ISTS communication system along with State sector network, is being deployed in each region.

A.13.2 Now, all five (5) Regional UNMS servers shall be integrated in the next layer to the National UNMs server integrating all the regional ones; in main & backup configuration.

A.13.3 This will facilitate centralized reporting/collection of PAN India communication Network of ISTS as well as State level system including cross border links at National Level. The scope & technical aspect of the National UNMS scheme shall be broadly in line with Technical Specification of Regional UNMS while including features for National aspects, as per the deliberations held in all RPC/NCT forums.

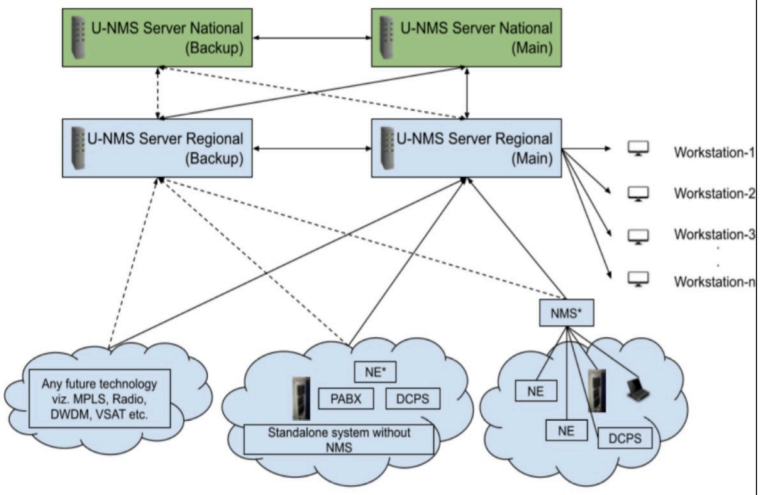
A.13.4 The scheme for National UNMS was deliberated in all RPC forums earlier during deliberation of respective Regional UNMS projects. Further, the National UNMS

scheme was also deliberated in the 14th NPC meeting held on 03.02.2024 in Bangalore.

A.13.5 Following are details of the scheme:

S. No.	Items	Details
1.	Name of Scheme	Establishment of State-of- the-Art National Unified Network Management System (N-UNMS) in main & backup configuration integrating all the regional UNMSs.
2.	Scope of the scheme	● Supply and Installation of Main & Backup National-UNMS system hardware and software along with associated items at respective UNMS Centres. The new system shall be deployed in such a way that the operation of the existing systems should not be disturbed. ● Supply and Installation of hardware & software for workstation, network switches, firewall & IDPS, Printer, Furniture etc. ● Integration of existing Regional UNMS (In Main & Backup config) with Main and Back up N-UNMS System. One channel of each Regional UNMS to Main and Back up UNMS centre shall be used for redundancy of respective UNMS Centres. ● Development of complete Database, displays and reports either from scratch or by extracting existing database, displays and reports, also for creating integrated national communication system overview and inter regional system details for the modules. ● Supply of all FCAPS features with advance planning tool. ● Import and Adaption of database & displays made for Regional UNMS system including import of historical data stored in existing servers for integration in new system also for creating national dashboard and inter regional system dashboards for the required system details. ● Auxiliary Power Supply System Comprising of UPS with Battery set along with all necessary distribution board. ● Integration & Testing with any new UNMS coming up during implementation and AMC period of this Project.

S. No.	Items	Details
		● Supply of Spares identified under AMC along with main items to meet the contingency during installation period and during AMC period. ● All cabling, wiring, and interconnections to the items being supplied and to be integrated including power supply. ● The project scope shall include customization of its database, such as configuration of database, scan period and all other database parameters required to integrate existing system successfully. ● Additional Hardware, software and services necessary to ensure compatibility with existing equipment. ● Auditing of Cyber Security implementation by CERT-In listed Auditors during AMC & ensuring its compliance. ● Training of personnel and Users of the System. ● Comprehensive Maintenance of the supplied system for seven (7) years including one (1) year defect liability period as per specification, including integration with future UNMS (if any), Database configurations, Maintaining Spare inventory etc. ● Integration with third party Applications: The N-UNMS Systems being supplied shall have provision to exchange data with the existing and or to be purchased third party applications of in standard formats like ODBC, OPC & XML etc. ● GI/Aluminium cable trays/trace ways with covers shall be supplied in the project for laying cables so that cable can be protected from rodents. These cable trays/trace ways shall be screwed/ fixed on the floor. ● The system shall have remote console along with connectivity and shall be under AMC for; CEA-PCD & NPC Division, NLDC- Grid India, CTUIL, GA&C- POWERGRID. Additionally, UNMS control room in CTUIL shall be equipped with a 85 Inch TV/Monitor.

S. No.	Items	Details
3.	Architecture	 **Proposed U-NMS Topology for Data Flow (Typical)**
4.	Objective / Justification	i. In line with CERC, CEA Regulations and RPC approvals, the Regional UNMS scheme integrating ISTS communication system along with State sector network, is being deployed in each region. Now, all five (5) Regional UNMS servers shall be integrated in the next layer to the National UNMs server integrating all the regional ones; in main & backup configuration. This will facilitate centralized reporting/collection of PAN India communication Network of ISTS as well as Intra State level system including cross border links at National Level. The scope & technical aspect of the National UNMS scheme shall be broadly in line with Technical Specification of Regional UNMS while including features for National aspects, as per the deliberations held in all RPC/NCT forums. ii. The proposed National UNMS (N-UNMS) System shall provide the multi-tiered solution for Network Management System Functions with modules such as Network Resource/Discovery/Inventory, configuration management, Planning, Fault/Alarm Management, Performance Management, Trouble Ticket with application security, reporting, simulation, Artificial Intelligence & Analytics etc and common dashboards also for integrated national network and for inter-regional systems including cross border. iii. The N-UNMS shall also provide a Pan India

S. No.	Items	Details
		visualization of power system communication network. This shall facilitate Centralized Supervision and Quick Fault detection and restoration for ISTS Communications systems for National, Inter-Regional and Cross-Border communication system and the network. The N-UNMS shall additionally have advanced planning tool having features for Long, Medium- & Short-Term Planning for preparing planning projections for ISTS Communication System (for National/ Regional/ State) for 2 years, 5 years and 10 years. iv. The proposal of N-UNMS was deliberated in all the RPCs during approval of respective Regional UNMS scheme and the in-principle technical approval has been given by the forum. The relevant extract for NR is attached as **Annexure-V** and the Minutes of 15th NCT meeting is also attached as **Annexure-VI.**
5.	Estimated Cost	Rs. **101*** CRs. (approx.) and **19.07** CRs. AMC charges for 7 years. The cost of national UNMS shall be **recovered on POC basis.** *Cost has been derived from awarded package of regional UNMS Scheme.
6.	Implementation timeframe	24 Months from date of project allocation based on NCT approval.
7.	Implementation Mode	Through RTM to POWERGRID
8.	Location of National UNMS	Main UNMS at NLDC, Katwaria Sarai, and Backup UNMS at RLDC, Kolkata

A.13.6 The agenda was taken up in 72nd NRPC meeting held on 30.03.2024 wherein forum advised CTU to explore whether AMC of NR-UNMS can be extended till end of AMC of N-UNMS, so that N-UNMS useful life could be fully utilised in NR. Accordingly, CTU may put agenda in upcoming meeting for approval.

A.13.7 As per discussion held by CTUIL with POWERGRID, matter of AMC extension of NR-UNMS shall be taken up in RPCs by POWERGRID at point of time as done for the other such schemes for AMC extension. Further, the timely approval of national scheme shall further reduce the gap.

A.13.8 This N-UNMS project has been approved in WRPC and SRPC. N-UNMS may be approved for timely commissioning of system in an optimally synchronized manner.

Decision required from Forum:

Forum may approve the above proposal.

B.1 Amendment of Conduct of Business Rules for formation of Renewable Energy Sub-Committee (REC) (agenda by NRPC Secretariat)

B.1.1 In 49th TCC & 72nd NRPC meeting (held on 29-30 March 2024), forum decided that a separate sub-committee shall be formed for RE in Northern Region. The committee shall meet at least quarterly. Conduct of Business Rules of NRPC may be modified accordingly.

B.1.2 A special meeting of RE was held on 25.04.2024. Accordingly, there is need to include RE Sub-Committee in Conduct of Business Rules (July 2023). A draft amendment is proposed for approval of forum, wherein RE Sub-Committee has been added under Chapter III. Further, some more editorial changes have been proposed as highlighted in annexure-VII.

B.1.3 Further, NRPC Secretariat has proposed to issue Conduct of Business Rules of NRPC in Hindi language also for compliance of Rajbhasha guidelines. Accordingly, both English and Hindi version of draft amendment is attached (**Annexure-VII**) for approval.

Decision required from Forum:

Forum may approve the above proposal for amendment of COBR formation of RE Sub-Committee (REC).

B.2 Hiring of Office Assistant and Store Keeper through GeM (agenda by NRPC Secretariat)

B.2.1 CEA has transferred 04 No. of LDCs from NRPC Secretariat. Therefore, difficulty is observed in timely completion of various works of NRPC Secretariat.

B.2.2 In view of this, it is proposed to hire 01 No. Graduate level person as Office Assistant and 01 No. Graduate level person as Store Keeper.

B.2.3 The hiring shall be done for one year through GeM on fixed remuneration basis at a monthly rate of Rs. 30,000/- for each.

Decision required from Forum:

Forum may approve the above proposal.

B.3 Foreclosure of Manpower Outsourcing Services-Minimum wage contract (Agenda by NRPC Secretariat) & Award of Fresh Contract through GeM Portal.

B.3.1 The contract for providing Manpower Outsourcing Services on Minimum wage for carrying out various works in NRPC Secretariat was awarded to M/s Accord Services Pvt. Ltd. Vide GeM Contract GEMC-511687763578746 dated 09th Aug 2023.

B.3.2 The tender was placed for the same after approval in 67th NRPC meeting (held on 30.06.2023) item no. A.14 of agenda however it was missed inadvertently in minutes of meeting. Accordingly, it is proposed to amend minutes of 67th NRPC meeting (held on 30.06.2023) to include approval of above manpower contract. **The amended text is attached as Annexure-VIII.**

B.3.3 However, due to irresponsive behavior of vendor and his delay in payment of the monthly wages of contractual staff along with submission of EPF, ESIC is causing difficulty in carrying out the proper maintenance, and working of NRPC Secretariat. The Service Provider has not deposited the EPF/ESI Contribution of staffs for few months and not paying salary to the staffs on regular basis as per the provision of the Contract. Recently, Service Provider is not responding to our phone call as well reply to our letters regarding above issues.

B.3.4 In view of this, it is proposed to foreclose the contract of service provider with immediate effect apart from taking action as per the provision of the Contract. Since the services of these manpower (Security Guard, Cleaning staffs, Mali, Data Entry Operator, Electrician etc) are essentially required for functioning of the NRPC Secretariate, it is proposed that same manpower may continue till award of new contract. The salary of these staff during the time till awarding of a new contract shall be directly paid by NRPC Secretariat and the same shall be adjusted for any outstanding bill of the existing contractor.

This is proposed in line with Contract Labour Regulation and Abolition Act, 1970, wherein it is mentioned that-

"The service provider/contractor shall be responsible for ensuring that wages are paid to the contract labour on time. The principal employer/buyer shall ensure that the wages are paid on time to the contract labour by the service provider/contractor. In case the service provider/contractor fails to pay the wages on time or makes short-payment, the principal employer/buyer shall be liable to pay the wages to the contract labour directly and recover the amount from the service provider/contractor. "

B.3.5 Further, new tender for various manpower outsourcing services at NRPC Secretariat, to be floated through Gem portal for which the expected amount will be above Rs. 25 lakhs (Above approving limit of MS, NRPC).

B.3.6 Proposal is hereby submitted by NRPC Secretariat for-

i. Foreclosure of on-going contract of Manpower Outsourcing Services.
ii. Payment of salary of contractual staff from NRPC Fund account till awarding of new contract.
iii. Awarding of new contract through Gem Portal.
iv. Initiate action against existing contractor as per the provision of the Contract including blacklisting and encashment of BG.

Decision required from Forum:

Forum may discuss and approve the above proposal.

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NRPC Members for FY 2024-25

S. No.	NRPC Member	Category	Nominated/ Notified/Delegated Member	E-mail
1	Member (GO&D), CEA	Member (Grid Operation & Distribution), Central Electricity Authority (CEA)	Member (GO&D), CEA	member.god@cea.nic.in
2	Member (PS), CEA	Nodal Agency appointed by the Government of India for coordinating cross-border power transactions	Member (PS), CEA	memberpscea@nic.in
3	CTUIL	Central Transmission Utility	Chief Operating Officer	pcgarg@powergrid.in
4	PGCIL	Central Government owned Transmission Company	Director (Operations)	tyagir@powergrid.in
5	NLDC	National Load Despatch Centre	Executive Director	scsaxena@grid-india.in
6	NRLDC	Northern Regional Load Despatch Centre	Executive Director	nroy@grid-india.in
7	NTPC	Central Generating Company	Director (Finance)	jaikumar@ntpc.co.in
8	BBMB		Chairman	cman@bbmb.nic.in
9	THDC		CGM (EM-Design)	rrsemwal@thdc.co.in
10	SJVN		CMD	sectt.cmd@sjvn.nic.in
11	NHPC		Director (Technical)	rajkumar0610.rkc@gmail.com
12	NPCIL		Director (Finance)	df@npcil.co.in
13	Delhi SLDC	State Load Despatch Centre	General Manager	gmsldc@delhisldc.org
14	Haryana SLDC		Chief Engineer (SO&C)	cesocomml@hvpn.org.in
15	Rajasthan SLDC		Chief Engineer (LD)	ce.ld@rvpn.co.in
16	Uttar Pradesh SLDC		Director	directorsldc@upsldc.org
17	Uttarakhand SLDC		Chief Engineer	anupam_singh@ptcul.org
18	Punjab SLDC		Chief Engineer	ce-sldc@punjabsldc.org
19	Himachal Pradesh SLDC		Managing Director	mdhpsldc@gmail.com
20	DTL	State Transmission Utility	CMD	cmd@dtl.gov.in
21	HVPNL		Managing Director	md@hvpn.org.in
22	RRVPNL		CMD	cmd.rvpn@rvpn.co.in
23	UPPTCL		Managing Director	md@upptcl.org
24	PTCUL		Managing Director	md@ptcul.org
25	PSTCL		CMD	cmd@pstcl.org
26	HPPTCL		Managing Director	md.tcl@hpmail.in
27	IPGCL	State Generating Company	Managing Director	md.ipgpp@nic.in
28	HPGCL		Managing Director	md@hpgcl.org.in
29	RRVUNL		CMD	cmd@rrvun.com
30	UPRVUNL		Director (Technical)	director.technical@uprvunl.org
31	UJVNL		Managing Director	mdujvnl@ujvnl.com
32	HPPCL		Managing Director	md@hppcl.in
33	PSPCL	State Generating Company & State owned Distribution Company	CMD	cmd-pspcl@pspcl.in
34	UHBVN	State owned Distribution Company (alphabetical rotaional basis/nominated by state govt.)	Managing Director	md@uhbvn.org.in
35	Jodhpur Vidyut Vitran Nigam Ltd.		Managing Director	md@jdvvnl@rajasthan.gov.in
36	Paschimanchal Vidyut Vitaran Nigam Ltd.		Managing Director	md@pvvnl.org
37	UPCL		Managing Director	md@upcl.org
38	HPSEB		Managing Director	md@hpseb.in
39	Prayagraj Power Generation Co. Ltd.	IPP having more than 1000 MW installed capacity	Head (Commercial & Regulatory)	sanjay.bhargava@tatapower.com
40	Aravali Power Company Pvt. Ltd		CEO	SRBODANKI@NTPC.CO.IN
41	Apraava Energy Private Limited		CEO	rajneesh.setia@apraava.com
42	Talwandi Sabo Power Ltd.		COO	Vibhav.Agarwal@vedanta.co.in
43	Nabha Power Limited		CEO	sk.narang@larsentoubro.com
44	Lanco Anpara Power Ltd		President	sudheer.kothapalli@meilanparapower.com
45	Rosa Power Supply Company Ltd		Station Director	Hirday.tomar@relianceada.com
46	Lalitpur Power Generation Company Ltd		Managing Director	vksbankoti@bajajenergy.com
47	MEJA Urja Nigam Ltd.		CEO	hopmeja@ntpc.co.in
48	Adani Power Rajasthan Limited		COO, Thermal, O&M	jayadeb.nanda@adani.com
49	JSW Energy Ltd. (KWHEP)		Head Regulatory & Power Sales	jyotiprakash.panda@jsw.in
50	TATA POWER RENEWABLE	IPP having less than 1000 MW installed capacity (alphabetical rotaional basis)	Zonal Head	dhmahabale@tatapower.com
51	UT of J&K	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.	Chief Engineer, JKSPDCL/JKPDD	cejkpcl2@gmail.com/sojpdd@gmail.com
52	UT of Ladakh		Chief Engineer, LPDD	cepdladakh@gmail.com
53	UT of Chandigarh		Executive Engineer, EWEDC	elop2-chd@nic.in
54	NPCL	Private Distribution Company in region (alphabetical rotaional basis)	Head-Commercial	ssrivastava@noidapower.com
55	Fatehgarh Bhadla Transmission Limited	Private transmission licensee (nominated by cetral govt.)	AVP-O&M	nitesh.ranjan@adani.com
56	NTPC Vidyut Vyapar Nigam Ltd.	Electricity Trader (nominated by central govt.)	CEO	ceonvvn@ntpc.co.in

Special Invitees:

1. Shri. Chowna Mein, Hon'ble Dy. Chief Minister and I/C Power, Govt. of Arunachal Pradesh, Block No.2, 5th Floor, A.P. Civil Secretariat, Itangar-791111. [Email: chowna.mein@gov.in]Tel -03602212671
2. Shri Ginko Lingi, Chairman, TCC, NERPC & Chief Engineer (P), TPMZ , Department of Power, Govt. of Arunachal Pradesh, Vidyut Bhawan, zero Point, Itanagar-791111. [Email: ginko.lingi@gmail.com] Tel -9612153184
3. Shri K Vijayanand, Chairperson, SRPC, Chairman & Managing Director , Transmission Corporation of Andhra Pradesh Limited, Vidyut Soudha, Gunadala, Eluru Rd, Vijayawada, Andhra Pradesh 520004. [Email: cmd.aptransco@aptrandco.in ; vjanand@nic.in] Tel -08662429201
4. Shri AKV Bhaskar, Chairperson TCC, SRPC, Director (Trasmission & Grid Management), Transmission Corporation of Andhra Pradesh Limited, Vidyut Soudha, Gunadala,Eluru Rd, Vijayawada, Andhra Pradesh 520004. [Email: kannanvenkatabhaskar.angulabharanam@aptransco.co.in] Tel -.08662429209
5. Sri Nikunja Bihari Dhal, IAS, Chairman, ERPC, Additional Chief Secretary to Govt., Department of Energy, Govt. of Odisha, Bhubaneswar. [Email-chairman@gridco.co.in] Tel -06742540098
6. Shri Trilochan Panda, Managing Director, GRIDCO, Chairperson TCC, ERPC, GRIDCO Limited, Regd. Office: Janpath, Bhubaneswar – 751022. Tel -06742540877 [Email- md@gridco.co.in]
7. Shri Sanjay Dubey, Chairman, WRPC & Principal Secretary(Energy), GoMP, VB-2, Vallabh Bhawan Annex, Mantralay, Bhopal: 462 001 (M.P.), Email: psenergyn@gmail.com, Tel. 0755-2708031
8. Shri Raghuraj Rajendran, Chairman-TCC, WRPC & Managing Director MPPMCL, Block No-15, Shakti Bhawan, Vidyut Nagar, Rampur, Jabalpur-482008. [Email-mdofmppmcl@gmail.com]
9. Smt. Rishika Saran, Member Secretary, NPC, Sewa Bhawan, R. K. Puram, New Delhi-66 [Email-cenpc-cea@gov.in]
10. Shri Deepak Kumar, Member Secretary, WRPC, Plot No- F-3, MIDC Area, Marol, Opp. SEEPZ, Central Road, Andheri (East), Mumbai-40093.[email: ms-wrpc@nic.in] Tel - 02228221636
11. Shri Asit Singh, Member Secretary, SRPC, No.29, Race Course Cross Road, Bengaluru-560009. [Email: mssrpc-ka@nic.in] Tel -08022287205/9449047107
12. Shri N.S. Mondal, Member Secretary, ERPC,14,Golf Club Road, ERPC Building, Tollygunje,Kolkata-700033. [Email: mserpc-power@nic.in]- Tel 03324239651/9958389967
13. Shri K B Jagtap, Member Secretary, NERPC, NERPC Complex, Dong Parmaw, Lapalang, Shillong-793006. [Email: ms-nerpc@gov.in] Tel -03642534077/ 8652776033
14. Shri Brieflee Lyngkhoi, Chief Engineer, GM Division, CEA, Sewa Bhawan, R. K. Puram, New Delhi-66 [Email: cegm-cea@gov.in]

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Status of action taken on decision of 49th TCC and 72nd NRPC

S.N.	Agenda	Decision of 49th TCC and 72nd NRPC	Status of action taken
1	A.2 Non-payment of Late Payment Surcharge payable against Energy Supplied from RHPS (Agenda by SJVN)	Forum directed that Punjab shall abide by PPA provisions and accordingly resolve the issue with SJVN.	SJVN has submitted agenda as issue has not been solved yet.
2	A.3 Non-Opening of Letter of Credit by JKPCL (formally PDD, J & K) for power supplied from NJHPS & RHPS (Agenda by SJVN)	J&K was requested to expedite the process for submission of LC to concerned parties.	SJVN has submitted agenda as issue has not been solved yet.
3	A.4 Conditional Payment of Energy bills by BRPL (Agenda by SJVN)	Forum recommended both the parties to deliberate mutually and SJVN may consider to terminate PPA as last resort.	SJVN may update.
4	A.9 Restoration of 33kV supply for 400/220kV Saharanpur substation of POWERGERID disconnected by Paschimanchal Vidyut Vitran Nigam Limited (Agenda by POWERGRID)	Forum requested both the parties to resolve the issue and directed POWERGRID to pursue the higher management of concerned utility firstly before coming to Forum.	POWERGRID may update.
5	A.12 Dual reporting of SCADA Channels (RTU/SAS) to NRLDC	Due to concerns over list of substations, requirement of dual reporting of SCADA	CTU may update

	and Back up NRLDC (Agenda by CTU)	channels to backup RLDC and status of implementation of the same in other regions, the matter was referred to TeST sub-committee of NRPC for deliberation with a comprehensive approach to planning.	
6	A.15 Establishment of State-of-the-Art National Unified Network Management System (N-UNMS) in main & backup configuration integrating all the Regional UNMS for ISTS Communication System (Agenda by CTUIL)	CTU was advised to explore whether AMC of NR-UNMS can be extended till end of AMC of N-UNMS, so that N-UNMS useful life could be fully utilised in NR. Accordingly, CTU may put agenda in upcoming meeting for approval.	CTU has submitted agenda.
7	A.16 Capacity Building Programme for Northern Regional Constituents through PSDF Fund (Agenda by NRPC Secretariat)	Forum approved the revised DPR and recommended for sending DPR to PSDF Nodal Office.	DPR has been sent to PSDF Secretariat vide letter dtd. 13.05.2024.
8	A.17 Regional Level Disaster Management Group (RDMG) of Northern Region (Agenda by NRPC Secretariat)	Forum recommended that members may kindly pursue the concerned departments to avail the required nominations at the earliest so that the 1st meeting of Regional	First meeting of RDMG was held on 24.04.2024.

		Level Disaster Management Group (RDMG) of Northern Region may be planned in 3rd or 4th week of April,2024.	
9	A.18 Non availability of meter data and delay in replacement of Faulty Meters at multiple stations in NR (Agenda by NRPC Secretariat)	Forum decided that Draft SOP for meter installation prepared by CTU will be shared by CTU with all STUs, transmission licensees, and Intra-State generators of NR for seeking comments. Comments to be furnished within 30 days and to be deliberated in a separate meeting with all stakeholders. Recommendations of meeting to be referred to RPC forum for approval of SOP.	CTU may update.
10	A.24 Integration of PMU installed under Smart Transmission Network & Asset Management System (STNAMS) (Agenda by NRLDC)	Forum requested Rajasthan to expedite the integration of PMU installed under Smart Transmission Network & Asset Management System.	Rajasthan may update.

11	A.25 RE related Issues in Northern region (Agenda by NRLDC)	A separate sub-committee shall be formed for RE in Northern Region. The committee shall meet atleast quarterly. Conduct of Business Rules of NRPC may be modified accordingly.	A special meeting with NRLDC, CTU, POWERGRID, RVPN, Rajasthan SLDC and RE generators in NR was held under the chairmanship of MS, NRPC on 25.04.2024 to discuss RE related issues in NR.
12	A.26 Implementation of 5 minute IEMs along with AMR system in NR (Agenda by NRLDC)	CTU was advised to refer the case to NPC sub-group (of Communication) to review technical specifications in consultation with states.	CTUIL clarified in the minutes that data sharing shall be under the scope of MDP to be implemented by Grid-India. As directed by the forum CTU has discussed the matter with NPC and has communicated regarding convening a meeting by NPC with states regarding the TS for the states concern, in line with the minutes.
13	A.27 Status of compliance with the directions of CERC order dtd. 14.08.2023 para no. 31 (Petition No.	Forum directed J&K and Himachal Pradesh to avail the compliance report at the earliest.	J&K and Himachal Pradesh may update.

	156/MP/2022) (Agenda by NRLDC)		
14	A.28 Exclusion of the quantum of 7MW of Northern Railways from the GNA Quantum of Haryana for the purpose of billing inter-state transmission charges by CTUIL (agenda by HPPC)	Forum directed CTUIL to resolve the above matter.	CTU may update.
15	B.5 Outstanding Contribution from Constituent Member J&K (agenda by NRPC Secretariat)	Forum directed J&K to clear all outstanding dues towards NRPC membership.	INR 32,00,000 is due from J&K State Power Development Corp. Ltd.

Annexure-II

~~Annexure -A~~

Due date taken by PSPCL for Arrear Bills for the period 2014-19						
Sr. No.	**Project**	**Date of order**	**Due date as per PSPCL**	**Date of Arrear Bill by SJVN**	**Due Date as per SJVN**	**Remarks**
1	NJHPS	19-07-19	17-10-2019	06-08-2019	20-09-2019	
			16-11-2019	05-09-2019	20-10-2019	
			16-12-2019	05-10-2019	19-11-2019	
2	NJHPS	06-09-21	05-12-2021	30-09-2021	14-11-2021	
			04-01-2022	30-10-2021	14-12-2021	
			03-02-2022	29-11-2021	13-01-2022	
			05-03-2022	29-12-2021	12-02-2022	
			04-04-2022	28-01-2022	14-03-2022	
			04-05-2022	27-02-2022	13-04-2022	
3	RHPS	26-06-19	24-09-2019	23-07-2019	06-09-2019	
			24-10-2019	22-08-2019	06-10-2019	
			23-11-2019	21-09-2019	05-11-2019	
4	RHPS	04-06-21	02-09-2021	18-06-2021	02-08-2021	
			02-10-2021	18-07-2021	01-09-2021	
			01-11-2021	17-08-2021	01-10-2021	
			01-12-2021	16-09-2021	31-10-2021	
			31-12-2021	16-10-2021	30-11-2021	
			30-01-2022	15-11-2021	30-12-2021	
5	RHPS	24-01-22	24-04-2022	21-03-2022	05-05-2022	PSPCL unilaterally charges Negative Interest on these Bills and adjusted against Provisional Bills raised to them
			24-05-2022	20-04-2022	04-06-2022	
			23-06-2022	20-05-2022	04-07-2022	
			23-07-2022	19-06-2022	03-08-2022	
			22-08-2022	19-07-2022	02-09-2022	
			21-09-2022	18-08-2022	02-10-2022	

6	RHPS	25-05-22	23-08-2022	09-06-2022	24-07-2022	
			22-09-2022	09-07-2022	23-08-2022	
			22-10-2022	08-08-2022	22-09-2022	
			21-11-2022	07-09-2022	22-10-2022	
			21-12-2022	07-10-2022	21-11-2022	
			20-01-2023	06-11-2022	21-12-2022	
7	NJHPS	26-05-23	24-08-2023	19-06-2023	03-08-2023	
			23-09-2023	19-07-2023	02-09-2023	
			23-10-2023	18-08-2023	02-10-2023	
			22-11-2023	18-09-2023	02-11-2023	
			22-12-2023	18-10-2023	02-12-2023	
			21-01-2024	17-11-2023	01-01-2024	
8	RHPS	26-05-23	24-08-2023	19-06-2023	03-08-2023	
			23-09-2023	19-07-2023	02-09-2023	
			23-10-2023	18-08-2023	02-10-2023	
			22-11-2023	18-09-2023	02-11-2023	
			22-12-2023	18-10-2023	02-12-2023	

सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)
CENTRAL TRANSMISSION UTILITY OF INDIA LTD.
(A wholly owned subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

Ref: CTU/N/00/CMETS_NR/27

Date: 28-01-2024

As per distribution list

Subject: 27th Consultation Meeting for Evolving Transmission Schemes in Northern Region-Minutes of Meeting

Dear Sir/Ma'am,

Please find enclosed the minutes of the 27th Consultation Meeting for Evolving Transmission Schemes in Northern Region held on 10th January, 2024 (Wednesday) through virtual mode.

The minutes are also available at CTU website (www.ctuil.in)

Thanking you,

Yours faithfully,

(Kashish Bhambhani)
General Manager (CTU)

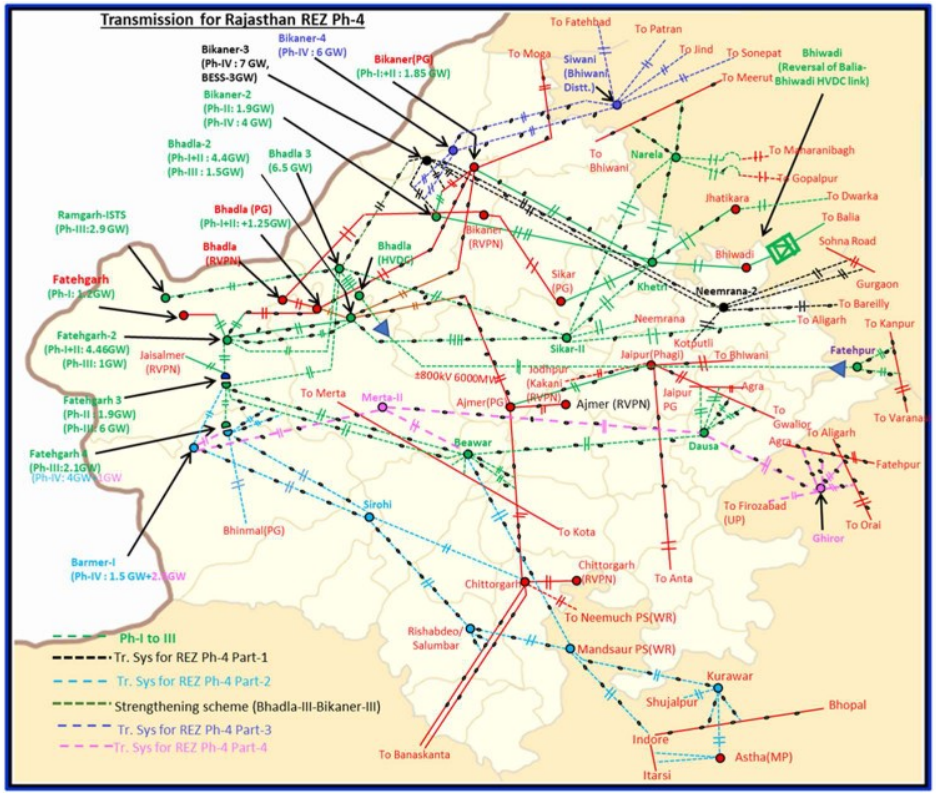

Fig: Transmission system for Rajasthan REZ Ph-IV (Part-3: 6GW) [Bikaner Complex] and Rajasthan REZ Ph-IV (Part-4 :3.5GW) [Fatehgarh/Barmer complex]

5. Transmission system scheme for Ratle HEP (850MW)

It was stated that OPGW installation on 2nd E/W peak of 400kV Kishenpur-Dulhasti existing line (120 kms.) (Circuit-1) along with LILO portion (2nd LILO at Kishtwar) was deliberated in the 26th CMTES-NR meeting. OPGW on 1st E/W peak is already available. This arrangement shall provide redundant communication to Dulhasti & Kishtwar stations which are presently connected / to be connected on single path only which are critical in view of Pakaldul & Ratle Generation to be evacuated from Dulhasti & Kishtwar S/s. Proposed OPGW arrangement is demonstrated at Fig-1.

Feasibility of OPGW installation on 400kV S/c line (Circuit-1) strung over modified 220kV towers for providing redundant communication to Dulhasti Station was also deliberated in the 2nd / 3rd ISTS Communication Planning Meeting (CPM) of NR, 22nd & 23rd NRPC TeST sub-committee meeting and in 57th NRPC. In the 23rd NRPC TeST meeting POWERGRID stated that OPGW installation is not feasible on this line due to tower strengthening not feasible.

During the meeting, all members agreed to the proposal and NRLDC/Grid-India provide their confirmation through email, which is attached at **Annexure-II.**

In 27th CMETS-NR meeting POWERGRID representatives informed that reconductoring scope is also involved in the scheme on the 400kV Kishenpur-Dulhasti existing line (120 kms) Ckt-1. During reconductoring work OPGW can be installed on this line as sag can be relaxed during installation which shall remove hindrance of tower strengthening due to OPGW installation. Further this will also create diverse physical path in line with CEA Manual of Communication Planning. The modified scheme is presented in the Fig-2. After the deliberation, all members agreed to the proposal.

This proposal shall be made part of Transmission scheme and to be put up for approval in NCT along with LILO of 400 kV Kishenpur-Dulhasti line at Kishtwar S/s as per MoP "Guidelines on Planning of Communication System for Inter-State Transmission System (ISTS)" under Category (A). Proposed OPGW Diagrams are as under:

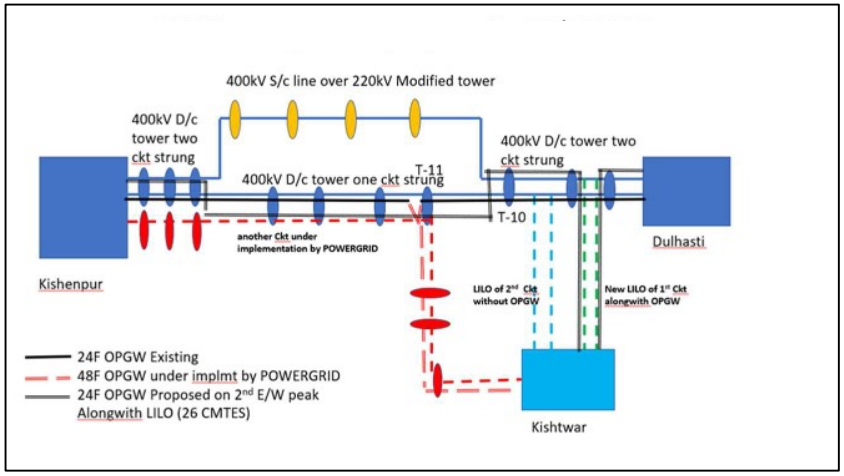

Fig-1 : OPGW arrangement proposed in 26th CMETS-NR meeting

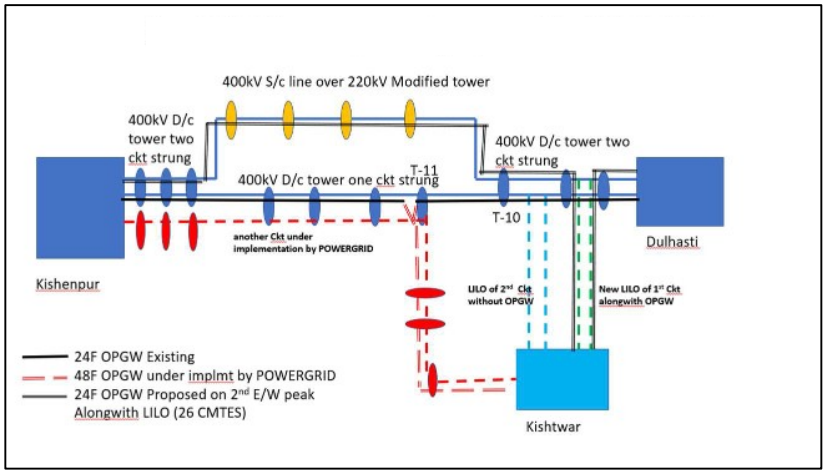

Fig-2 : Final OPGW arrangement proposed in 27th CMETS-NR meeting

Tej Prakash Verma {तेजप्रकाश वर्मा}

From: Ankur Gulati (अंकुर गुलाटी) <ankurgulati@grid-india.in>
Sent: Thursday, December 7, 2023 4:09 PM
To: Tej Prakash Verma {तेजप्रकाश वर्मा}
Cc: M M Hassan (एम एम हसन); H S Kaushal {एच.एस. कौशल}; Kashish Bhambhani {कशिश भम्भानी}; Sandeep Kumawat {संदीप कुमावत}; V Thiagarajan {वी. त्यागराजन}; Gaurav Malviya (गौरव मालवीय)
Subject: RE: Comments on the OPGW installation on 2nd E/W peak of Kishenpur- Dulhasti line

Sir,

Proposal of Installation of OPGW on 2nd E/w Peak of Kishanpur-Dulhasti can be considered as it would provide redundancy for Kishtwar & Dulhasti Data.

Regards
Ankur Gulati
DGM NRLDC

From: Tej Prakash Verma {तेजप्रकाश वर्मा} <tejprakash@powergrid.in>
Sent: 01 December 2023 16:21
To: Ankur Gulati (अंकुर गुलाटी) <ankurgulati@grid-india.in>
Cc: M M Hassan (एम एम हसन) <mm.hassan@grid-india.in>; H S Kaushal {एच.एस. कौशल} <hsk@powergrid.in>; Kashish Bhambhani {कशिश भम्भानी} <kashish@powergrid.in>; Sandeep Kumawat {संदीप कुमावत} <sandeepk@powergrid.in>; V Thiagarajan {वी. त्यागराजन} <vthiagarajan@powergrid.in>; Gaurav Malviya (गौरव मालवीय) <gauravmalviya@grid-india.in>
Subject: Comments on the OPGW installation on 2nd E/W peak of Kishenpur- Dulhasti line

Dear Sir,

As discussed in the meeting of 26th Consultation Meeting for Evolving Transmission Schemes in Northern Region, following communication scheme needs to be reviewed by NRLDC communication deptt. for their observation:

(i) OPGW installation on 2nd E/W peak of 400kV Kishenpur-Dulhasti line

This is with reference to Transmission System Scheme for Ratle HEP (850MW), Where LILO of 400 kV Kishenpur-Dulhasti line (Twin Zebra) at Kishtwar S/s (one ckt already LILOed as part of Pakaldul transmission system) is planned. Along with the scheme we are proposing OPGW installation on 2nd E/W peak of Kishenpur-Dulhasti line, this will create additional redundancy to Dulhasti & Kishtwar S/s. Redundant communication for Dulhasti was also deliberated in the 23rd meeting of TeST.

Please provide your comments at the earliest so that scheme may be prepared for approval in NCT.

Thanks & Regards,
T P Verma,
Chief Manager (Comm),
Central Transmission Utility of India Ltd.,

Annexure-IV

F.No.22/41/2023-OM (269407)
Government of India
Ministry of Power
***

Shram Shakti Bhawan, Rafi Marg
New Delhi, the 1st February, 2024

To,

All Additional Chief Secretaries / Principal Secretaries of Power / Energy
CMDs of all Distribution Companies

Subject:- **Shifting of agricultural load from Non-Solar hours to Solar hours**

Sir,

In order to combat global warming, it is necessary to shift from coal based power generation to Renewables. India has pledged that by 2030, it will have 50% of its installed capacity from non fossil (Renewable) sources. Total installed capacity of Renewable energy (RE) is currently 180 GW. RE capacity of 78935 MW is currently under construction which includes 50056 MW of solar projects. By the end of 2023-24, there will be a total 79349 MW of installed solar power capacity in the country. By 2030, we shall have 500 GW installed capacity from non fossil sources which will includes 292.5 GW of Solar and 99.9 GW of Wind.

The country's power demand is increasing at a rapid pace. In 2014, it was 136 GW. Today, it is 243 GW. The demand will keep growing at a rapid pace as India's economy grows.

During peak demand of 243 GW, the total demand was met with no shortfall during solar hours. During non-solar hours, there was a shortfall of 8000 to 9000 MW. It

is expected that the demand will continue growing at a rapid pace because of the increase in the pace of growth of the economy. Thermal capacity addition cannot keep pace – because the gestation period of constructing a thermal power plant is 6 to 7 years. Renewable Energy – especially solar – has a lower gestation period – so the increase in solar capacity will keep pace with the growth in demand. This will ensure that there will be no shortage of power during solar hours. Keeping all factors in view, it has been decided that agricultural load be shifted to solar hours. This will have the following advantages:

i- The farmers will be able to irrigate their fields during daylight hours.

ii- This will prevent depletion and help in conservation of precious ground water resource.

iii- Solar power is cheaper than thermal / hydro – so the cost of supply during daylight hours is cheaper – so the cost of power for irrigation will come down.

There shall be no curtailment in the hours of supply for agriculture. The farmers will keep getting the same number of hours of supply which they are getting now. Because of the large capacity additions in RE, there shall be no shortage of Solar / RE during the solar hours.

It is requested that the shift in agricultural load to solar hours be implemented by end of March, 2024. Some States have reported constraints in transmission / distribution because of which the shift could be delayed. In such cases, the shift can be in phases. The transmission and distribution bottlenecks can be addressed by using funds from the RDSS to separate agriculture feeders. The agriculture feeders can be solarised in the RESCO mode under Kusum. This will do away with the transmission and distribution constraints, reduce the cost of supply for agriculture and reduce the subsidy burden on the State Government. This is the route most States have adopted. This does not entail any expenditure by the State Government, because the solarisation is done in the RESCO mode with subsidy from Government of India. It is requested that the shift in agricultural load to solar hours be operationalised as soon as possible because the

demand – which is already 12 to 15 thousand megawatts more than last year on a daily basis – is likely to increase especially as the year progresses.

Further, as it is proposed to shift to Time of Day (TOD) tariff, under which tariff during solar hours will be less, It may be also analyzed as to what other load can be shifted to solar hours; and this may be done.

Yours sincerely,

(Piyush Singh)
Joint Secretary

Copy to:

1. The Chairman, CEA
2. Secretary, CERC / FOR, New Delhi.
3. Secretary (Energy / Power), All State Governments / UTs
4. All State Electricity Regulatory Commissions

Copy for information to :-

1. PS to Hon'ble Minister for Power & MNRE.
2. APS to Hon'ble MoSP.
3. Sr. PPS to Secretary (Power).
4. All Addl. Secretaries / Joint Secretaries / EA / CE, MoP.
5. All Directors / Deputy Secretaries, MoP.

Annexure-V

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
उत्तर क्षेत्रीय विद्युत समिति
Northern Regional Power Committee

सं. उक्षेविस/ प्रचालन /108/04/2019/ 9691-9725 दिनांक: 03 सितम्बर, 2019
No. NRPC/ OPR/108/04/2019/ Dated : 03rd September, 2019

सेवा में / To,

Members of TeST Sub-Committee (As per List)
टेस्ट उप समिति के सभी सदस्य (संलग्न सूचीनुसार)

विषय: टेस्ट उप-समिति की 15 वीं बैठक का कार्यवृत्त ।
Subject: 15th meeting of TeST Sub-Committee – Minutes.

महोदय ,
Sir,

उत्तर क्षेत्रीय विद्युत समिति की टेस्ट उप-समिति की 15 वीं बैठक दिनांक 07 अगस्त, 2019 को उत्तर क्षेत्रीय विद्युत समिति, सम्मलेन कक्ष, कटवारिया सराय, नई दिल्ली में आयोजित की गई थी । इस बैठक के कार्यवृत की एक प्रति आपकी सूचना व आवश्यक कार्यवाही हेतु इस पत्र के साथ संलग्न है।

15th TeST Sub-Committee meeting of NRPC was held on 07th August, 2019 at NRPC, Conference Hall, Katwaria Sarai, New Delhi. A copy of the minutes of the meeting is enclosed herewith for favour of information and necessary action.

भवदीय
Yours faithfully,

(आर.पी. प्रधान)
(R.P. Pradhan)
अधीक्षण अभियंता
Superintending Engineer

substations of BBMB, so as to rectify the discrepancy in the phasor mismatch being observed in the PMUs installed under URTDSM Scheme.

POWERGRID agreed that they would take up the matter.

6. OTHER AGENDA

6.1 Establishment of State-of-the-Art Unified Centralized Network Management System U-NMS for ISTS and State Utility Communication Network. (Agenda by POWERGRID)

POWERGRID briefed the committee about the CERC notified Communication Regulation which envisages Centralized Supervision System for ISTS Communication. As per the regulation clause no 7.2 (vii): *"CTU shall be the Nodal Agency for supervision of communication system in respect of inter-State communication system and will implement centralized supervision for quick fault detection and restoration."*

POWERGRID informed that in line with regulation, provisions of Centralized NMS and Centralized Monitoring by integrating its NMS with other users NMS, has been kept in the documents of Technical standard & Manual of Communication Planning Criteria being finalized by CEA. In addition to this guideline on availability of Communication system for ISTS has been submitted to CERC by CEA for which centralized NMS/OSS is considered essential.

POWERGRID made a detailed presentation (a copy of the same attached at **Annexure-6.1**) on Unified Network Management System (U-NMS) Project to be implemented for managing ISTS Communication System at Regional and National level. Presentation covered various technical aspects of U-NMS, configuration at Regional and National level, integration of existing NMSs and Network Elements not having visibility in NMSs etc.

POWERGRID further added that that U-NMS configuration proposed at Regional and National levels shall provide graphical representation of topology of nodes and links, auto discovery and rediscovery of Network Elements and sub-systems, Facility of end to end provisioning of bandwidth centrally, Fast fault resolution and reduced restoration times, Proactive maintenance and Customer support and working out channel availability etc. apart from analytics for predictive maintenance etc.

POWERGRID informed that U-NMS Project is conceived to facilitate Centralized Supervision for ISTS Communication in compliance to CERC Regulation for Communication System notified in May'17 as present NMSs do not have visibility of entire network and are not capable to support the requirements envisaged for ISTS Communication in CERC Regulation.

Proposed U-NMS configuration at regional level shall also consider integration of NMSs of State Communication Network to facilitate STUs to monitor and maintain their network with the help of Work Station provided at their location having direct access of Regional Server.

POWERGRID further stated that U-NMS Project implementation Schedule is considered as 24 months and estimated cost for National and Regional U-NMS is Rs. 120 Cr (Rs. 99.93 Cr for each Regional and Rs. 20Crs for National U-NMS, considering 100Crs for National level covering all 5 Regions i.e. NR, ER, NER, WR and SR) excluding AMC cost which is estimated as Rs. 2.6 Cr for 6 years after Warrantee period. However, the actual cost shall be discovered only after implementation. The Tariff for the investment made is to be shared by all constituents as per CERC notification. The scheme shall become part of existing Commercial Agreement signed for ULDC Project.

Members deliberated on U-NMS proposal. The need of implementation of U-NMS at Regional and National level was agreed by all members considering provisions of Communication Regulation.

Member Secretary, NRPC requested utilities for their technical comments. He further stated that utilities can also send their comments, if any, via email at sec-nrpc@nic.in by 31st August, 2019.

NRLDC enquired regarding the space availability for U-NMS installation.

POWERGRID stated that they would install U-NMS in their premises and informed that CTU shall manage the system after installation.

Sub-Committee agreed for in-principal technical approval of the scheme and recommended for further deliberations in the next TCC/NRPC meetings.

6.2 Mapping of analogue data and digital status of SPS operation related information in SCADA (Agenda by NRLDC)

NRLDC requested all concerned to integrate SPS signals in RTU so that same can be visualized in SCADA. Further it was SPS signals originating from DTPC to various sub-stations shall be integrated by POWERGRID. Further signals shall also be wired and integrated at receiving end by respective utility.

NRLDC informed that as per the decision taken in various meeting, all mapping of SPS signal for new SPS should be done by the agency who is responsible for SPS installation.

Further NRLDC requested all concerned utilities to integrate SPS signals on priority basis.

All utilities informed that integration work is in process and will be integrated at the earliest.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
उत्तर क्षेत्रीय विद्युत समिति
Northern Regional Power Committee

सं. उक्षेविस/ वाणिज्यिक/ 209/ आर पी सी (46 वीं)/2019/12509-12556 दिनाँक : 14 अक्टूबर, 2019
No. NRPC/ Comml/ 209/ RPC (46th)/2019/ Dated: 14th October, 2019

सेवा में / To,

उ.क्षे.वि.स. के सभी सदस्य
Members of NRPC/TCC

विषय: उत्तर क्षेत्रीय विद्युत समिति की 46 वीं तथा तकनीकी समंवय उप-समिति की 43 वीं बैठक कार्यवृत्त ।

Subject: 46th meeting of Northern Regional Power Committee and 43rd meeting of TCC – Minutes.

महोदय / Sir,

उत्तरी क्षेत्रीय विद्युत समिति की 46 वीं बैठक दिनांक 24 सितम्बर, 2019 को तथा तकनीकी समंवय उप-समिति की 43 वीं बैठक दिनांक 23 सितम्बर, 2019 को कोवलम, थिरुवानाथापुरम में आयोजित की गयी थी । इन बैठकों के कार्यवृत की प्रति आपकी सूचना व आवश्यक कार्यवाही हेतु इस पत्र के साथ संलग्न है।

The 46th meeting of Northern Regional Power Committee was held on 24th September, 2019 and 43rd meeting of TCC was held on 23rd September, 2019 at Kovalam, Thiruvanathapuram. A copy of the minutes of the meetings is enclosed herewith for your information and necessary action.

भवदीय/Yours faithfully,

(नरेश भण्डारी) 14/X/19
(Naresh Bhandari)
सदस्य सचिव
Member Secretary

18-ए, शहीद जीत सिंह मार्ग, कटवारिया सराय, नई दिल्ली- 110016 फोन:011-26513265 फेक्स: 011-26865206 ई-मेल: ms -nrpc@nic.in वेबसाईट: www.nrpc.gov.in
18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-110016 Phone: 011-26513265 Fax: 011-26865206 e- mail: ms-nrpc@nic.in Website: www.nrpc.gov.in

B.15.5 Punjab conveyed that after going through the minutes of the last TeST sub-committee meeting, it appears that the proposed scheme has been recommended by TeST sub-committee without much deliberation. Also, this project could be considered for PSDF funding as Punjab had also got PSDF funding for similar type of state projects. Regarding less deliberation in TeST, MS, NRPC stated that state representation in meetings other than TCC/NRPC has reduced to a level that in some states AE or AEE participate against Chief Engineer, nominated member. Regarding PSDF support, POWERGRID stated that PSDF support of 50% is for the state sector, but for central sector no such provision is available in this scheme.

B.15.6 After detailed deliberations, it was decided that this agenda would be again taken up in the next TeST meeting. PSTCL and RRVPNL informed that they are ready to clear the scheme in 15 days if POWERGRID deputes their engineer and they are convinced that while making scheme due deligence has been given to use state network. States also agreed to depute officer not below SE level in the meetings other then TCC/NRPC.

B.16 Establishment of State-of-the-Art Unified Centralized Network Management System U-NMS for ISTS and State Utility Communication Network

TCC Deliberations

B.16.1 POWERGRID informed that provisions of Centralized NMS and Centralized Monitoring by integrating its NMS with other users NMS has been kept in the draft Technical standard and Communication Planning Criteria Manual of CEA. In addition to this, guideline on availability of Communication system for ISTS has been submitted to CERC by CEA for which centralized NMS/OSS is considered essential. MS, NRPC stated that the scheme has been recommended by TeST sub-committee in its 15th meeting and same may deliberated in NRPC for approval.

NRPC Deliberations

B.16.2 POWERGRID stated that scheme has been discussed at length in last meeting of TeST sub-committee wherein POWERGRID had made a detailed presentation before the members. The estimated cost of Rs 600 Cr is for all regions.

B.16.3 Haryana stated that U-NMS is a necessary system because different make of communication systems are to integrated at common plateform. POWERGRID stated that in line with CERC's regulations mentioning communication system availability, the proposed U-NMS is also capable to calculate the availability of the communication system besides providing holistic view of network.

B.16.4 The Committee after detailed deliberation, approved the scheme.

Annexure-VI

File No.CEA-PS-12-13/3/2019-PSPA-II Division 1052

I/30353/2023

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केंद्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली योजना एवं मूल्यांकन प्रभाग- II
Power System Planning & Appraisal Division-II

सेवा में /To

As per list of Addresses

विषय:ट्रांसमिशन पर राष्ट्रीय समिति (एनसीटी) की पन्द्रहवी बैठक का कार्यवृत - के सम्बन्ध में ।

Subject: Minutes of the 15th Meeting of National Committee on Transmission (NCT) – regarding.

महोदया (Madam) / महोदय (Sir),

The 15th meeting of the "National Committee on Transmission" (NCT) was held on 25th August, 2023. The minutes of the meeting are enclosed herewith.

भवदीय/Yours faithfully,

Rakesh Goyal 18/11/2023

(राकेश गोयल / Rakesh Goyal)
मुख्य अभियन्ता एवं सदस्य सचिव,एन.सी.टी.
/ Chief Engineer & Member Secretary (NCT)

प्रतिलिपि / **Copy to:**

Joint Secretary (Trans), Ministry of Power, New Delhi

4.5 **North Eastern Region Expansion Scheme-XXI Part-B (NERES-XXI Part-B)**

4.5.1 The existing 132 kV Badarpur (POWERGRID) switching station was commissioned in 1999 and shall be completing 25 years in service by 2024. POWERGRID, the owner of the substation has informed that they are facing issues in O&M of the switching station and to improve the reliability it would be prudent to upgrade the switching station from single main and transfer bus scheme to double main transfer bus scheme by converting from AIS to GIS.

4.5.2 The scheme was also discussed in the 23rd TCC & NERPC meetings held on 18th-19th November 2022 wherein the subject upgradation was agreed to be carried out in Green GIS.

4.5.3 Chairperson, CEA, opined that life of sub-stations is generally about 35 years and hence, the reasons for replacement/upgradation of switching station after 25 years needs to be ascertained.

4.5.4 After detailed deliberations, it was decided to review the scheme subsequently.

4.6 **Implementation of Unified Network Management System (UNMS) in the Western Region**

4.6.1 Representative of CTUIL informed that Central Electricity Regulatory Commission (Communication System for inter-State transmission of Electricity) Regulations 2017, mentions that, CTU shall in due consideration of the planning criteria and guidelines formulated by CEA be responsible for planning and coordination for development of reliable National communication backbone for Inter-State Transmission System (ISTS). CEA Technical Standards 2020 calls for centralized monitoring by integrating its network management system with network management system of other users and standalone network elements on regional and national basis. Further, CTUIL shall implement centralized supervision for quick fault detection and restoration.

Accordingly, communication scheme i.e. Establishment of State-of Art Unified Network Management System (U-NMS) for ISTS and State Utility Communication System for all the Regions have been envisaged for five Regional systems and one National system integrating all the regional ones; in main & backup configuration. This will facilitate centralized supervision of ISTS as well as Intra-state communication system at State level, Regional level and Inter-Regional Communication system at national level.

CTUIL updated status for nationwide UNMS Scheme implementation being undertaken by POWERGRID; UNMS for Northern, Eastern and Northeastern Regions are scheduled for commissioning in year 2023/ 2024. And Southern Region scheme approved in 13th NCT meeting in May'23 is under bidding stage.

4.6.2 WRPC has approved implementation of the WR-UNMS project in RTM mode in 47th WRPC meeting held on 14th & 15th June 2023.

4.6.3 Representative of PCD Division, CEA, stated that a workstation console with redundant connectivity would be required under UNMS-WR scheme at WRPC. It was also suggested to include feature for Long, Medium & Short Term Planning for preparing planning projections while including user configurable inputs such as topology, congestion status, utility/ area wise, type of network, product life cycle, sector growth etc. and provision for import of data in .xls or other similar forms for consuming in preparing the planning projection for 2 years, 5 years, 10 years.

4.6.4 It was also discussed that UNMS workstation console with its associated hardware & software along with redundant connectivity is required at all RPC locations for the previously approved regional UNMS Scheme for NER, NR, ER and SR.

4.6.5 Chairman, NCT, started that central planning of the communication network for ISTS and State system shall take the leverage from these Regional & National UNMS having the details of both ISTS and State sector communication network. He also emphasized that National UNMS system should be planned at the earliest to have a holistic view of the network comprising of regional, intra-regional and intra state network and this scheme shall have additional scope of Planning Software tool having features as enlisted by representative of PCD Division.

He also emphasized that SOP for Centralized supervision & Maintenance of ISTS Communication system should be finalized at the earliest while specifying the roles & responsibilities of concerned entities/ agencies for smooth implementation of the hierarchical UNMS Scheme situated in state, regional & national level.

4.6.6 After detailed deliberations, the followings were approved:

- WR UNMS scheme as per agenda along with additional scope listed below to be implemented under RTM mode by POWERGRID.
  a. Inclusion of Workstation Console and associated HW & SW along with redundant communication link & AMC at WRPC location.
  b. Additional feature of Planning Tool

- The National UNMS project proposal to be taken up at the earliest, as all regional systems have been approved for implementation. The national UNMS scheme shall have additional scope of Planning Software tool having features for Long, Medium & Short Term Planning for preparing planning projections while including user configurable inputs such as topology, congestion status, utility/ area wise, type of network, product life cycle, sector growth etc and provision for import of data in .xls or other similar forms for consuming in preparing the planning projection for 2 years, 5 years, 10 years., along with Workstation Console and associated hardware/software with redundant connectivity at PCD Division, CEA.

- Additional scope for Supply, Installation & AMC for UNMS workstation console with its associated hardware & software with redundant connectivity at all four RPC locations for the previously approved regional UNMS Scheme for NER, NR, ER and SR.

4.6.7 Summary of the WR UNMS scheme is as given below:

Sl.No.	Name of the scheme and implementation timeframe	Estimated Cost (Rs. Crores)	Remarks
1.	Establishment of State-of Art Unified Network Management System (U-NMS) for ISTS and State Utility Communication System for Western Region Tentative Implementation timeframe: 24 months from date of allocation	Rs. **84*** Crs. (approx.) and 19.07 Crs. AMC charges for 7 years.	Approved to be implemented under RTM mode by POWERGRID

4.6.8 Detailed scope of the scheme is as given below:

Sl. No.	**Scope of the scheme**	**Estimated Cost (Rs. Crs)**
1.	• Main & Back-up UNMS software and hardware along with required Application software including Video Projection System (VPS), firewall and IDPS. • Remote Workstation for SLDCs. • Video Projection System (VPS), Printer, furniture etc. at main & back-up U-NMS location. • Integration of existing NMS/NEs of ISTS and State Utility in a region in the proposed UNMS. • Integration of upcoming U-NMS for National & other regions and upcoming NMS/NEs of ISTS and State Utility in a region during implementation and AMC period of the project. • Operational support, training & maintenance for proposed UNMS software and hardware. • Auxiliary Power System for U-NMS system. • Workstation Console along and other associated software and hardware such as firewall, router, switch etc. at WRPC, CTUIL HQ and WRLDC location • Bandwidth connectivity & Its recurring charges for WRPC & CTUIL HQ Office.	Rs. **84*** Crs. (approx.) and 19.07 Crs. AMC charges for 7 years.

उत्तरी क्षेत्रीय विद्युत समिति

कटवारिया सराय, नई दिल्ली

(कार्य संचालन)

नियम, 2024

मई, 2024

विषय-सूची

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अध्याय-I: सामान्य

1. संक्षिप्त नाम और प्रारंभ

1.1 भारत के राजपत्र में प्रकाशित विद्युत अधिनियम 2003 की धारा 2, उपधारा 55 के प्रावधान के तहत संकल्प एफ.सं. 23/21/2021-आर एंड आर दिनांक 3 दिसंबर 2021 (प्रतिलिपि संलग्न) के माध्यम से भारत सरकार द्वारा उत्तरी क्षेत्रीय विद्युत समिति की स्थापना की गई है, जिसे एनआरपीसी के रूप में संदर्भित किया गया है, जिसमें दिल्ली, हरियाणा, हिमाचल प्रदेश, पंजाब, राजस्थान, उत्तरांचल और उत्तर प्रदेश राज्य और केंद्र शासित प्रदेश चंडीगढ़, जम्मू और कश्मीर और लद्दाख शामिल हैं।

1.2 3 दिसंबर 2021 के उपरोक्त संकल्प के खंड-9 के अनुसार, एनआरपीसी निम्नलिखित नियम बनाती है जिन्हें **"उत्तरी क्षेत्रीय विद्युत समिति (व्यवसाय का संचालन) नियम, 2024" कहा जा सकता है**।

1.3 ये नियम एनआरपीसी द्वारा इसके अनुमोदन की तारीख से लागू होंगे और तब तक लागू रहेंगे जब तक कि अन्यथा संशोधित न किया जाए।

2. परिभाषाएँ

2.1 इन नियमों में जब तक कि संदर्भ से अन्यथा अपेक्षित न हो:

(क) अधिनियम का अर्थ विद्युत अधिनियम, 2003 है।

(ख) 'एजेंडा' का अर्थ है समिति या उप-समिति की बैठक में किए जाने वाले प्रस्तावित कार्य की सूची।

(ग) 'प्राधिकरण' का अर्थ है केंद्रीय विद्युत प्राधिकरण।

(घ) 'वाणिज्यिक उप-समिति (सीएससी)' का अर्थ है वाणिज्यिक संबंधी मुद्दों पर विचार करने के लिए समिति द्वारा गठित उप-समिति।

(ङ) 'कमीशन' का अर्थ है केंद्रीय विद्युत नियामक आयोग।

(च) समिति से विद्युत अधिनियम, 2003 की धारा 2 की उपधारा (55) के अंतर्गत केन्द्र सरकार द्वारा गठित उत्तर क्षेत्रीय विद्युत समिति अभिप्रेत है।

(छ) 'सरकारी संकल्प' का अर्थ है संकल्प संख्या 23/21/2021-R&R दिनांक 3 दिसंबर 2021, भारत सरकार द्वारा अधिसूचित और उस पर संशोधन (संशोधनों)।

(ज) 'आईईजीसी'का अर्थ है भारतीय विद्युत ग्रिड कोड, जिसे केंद्रीय विद्युत नियामक आयोग द्वारा निर्दिष्ट किया गया है।

(झ) एलजीबीआर उप-समिति का अर्थ है समिति द्वारा गठित एक उप-समिति

i. उत्पादन स्टेशनों की वार्षिक बंदी योजना को अंतिम रूप देना

ii. अगले वित्त वर्ष के लिए प्रत्याशित बिजली आपूर्ति की स्थिति तैयार करना और

iii. (i) & (ii) की आवधिक समीक्षा के लिए।

(ञ) 'बैठक' का अर्थ है सदस्य सचिव, एनआरपीसी सचिवालय द्वारा बुलाई गई समिति/उप-समिति की बैठक या सचिवालय प्रमुख की अनुपस्थिति में बैठक बुलाने के लिए अधिकृत कोई सदस्य।

(ट) 'सदस्य' का अर्थ है एनआरपीसी की स्थापना पर भारत सरकार के दिनांक 3 दिसंबर 2021 के संकल्प के अनुसार और समय-समय पर संशोधित सदस्य।

(ठ) 'एनएलडीसी' का अर्थ है राष्ट्रीय भार प्रेषण केंद्र।

(ड) 'एनआरएलडीसी' का अर्थ है उत्तरी क्षेत्रीय भार प्रेषण केंद्र

(ढ) 'परिचालन समन्वय उप-समिति (ओसीसी)' का अर्थ है क्षेत्रीय ग्रिड के संचालन से संबंधित सभी मुद्दों पर विचार करने के लिए एनआरपीसी द्वारा गठित एक उप-समिति।

(ण) 'संरक्षण उप-समिति (पीएससी) का अर्थ है समिति द्वारा गठित एक उप-समिति जो सभी ऊर्जा प्रणाली संरक्षण से संबंधित मुद्दों पर विचार करती है।

(त) 'नवीकरणीय ऊर्जा उप-समिति (आरईसी) का अर्थ है समिति द्वारा गठित एक उप-समिति जो सभी नवीकरणीय ऊर्जा से संबंधित मुद्दों पर विचार करती है।

(थ) 'नियम' का अर्थ है उत्तरी क्षेत्रीय विद्युत समिति (कार्य संचालन) नियम यथा संशोधित ।

(द) 'एसएलडीसी का अर्थ है राज्य भार प्रेषण केन्द्र।

(ध) 'उप-समिति' का अर्थ है एनआरपीसी द्वारा गठित उप-समितियां जो इसे सौंपे गए कार्यों के संचालन में मार्गदर्शन और सहायता करती हैं।

(न) 'प्रणाली अध्ययन उप-समिति' का अर्थ है विद्युत प्रणाली अध्ययन करने के लिए एनआरपीसी द्वारा गठित एक उप-समिति।

(न) 'तकनीकी समन्वय उप-समिति (टीसीसी)' का अर्थ है एनआरपीसी द्वारा गठित एक उप-समिति जो सभी तकनीकी, वाणिज्यिक और अन्य मामलों पर एनआरपीसी की सहायता करती है।

(प) 'टीईएसटी उप-समिति' का अर्थ है एनआरपीसी द्वारा गठित एक उप-समिति जो सभी दूरसंचार, एससीएडीए और टेलीमेट्री से संबंधित मुद्दों पर एनआरपीसी की सहायता करती है।

(फ)**'**वर्ष**'** का अर्थ है वित्तीय वर्ष।

2.2 इन नियमों में प्रयुक्त और परिभाषित न किए गए शब्दों और पदों का वही अर्थ लगाया जाएगा जो अधिनियम में परिभाषित है।

2.3 किसी भी अधिनियम**,** नियमों और विनियमों के संदर्भ में संशोधन या समेकन या पुन: अधिनियमन शामिल होगा।

3. एनआरपीसी के कार्य

3.1 समिति निम्नलिखित कार्य करेगी:3

3.1.1 ग्रिड प्रदर्शन में सुधार के लिए क्षेत्रीय स्तर के संचालन विश्लेषण करना।

3.1.2 बिजली के अंतर-राज्यीय/अंतर-क्षेत्रीय हस्तांतरण की सुविधा प्रदान करना।

3.1.3 एसटीयू के साथ अंतर-राज्यीय/अंतर-राज्य पारेषण प्रणाली से संबंधित नियोजन के सभी कार्यों को सुविधाजनक बनाना।

3.1.4 संबंधित एनआरपीसी 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 सिफारिशें भेजने के लिए राष्ट्रीय पारेषण समिति द्वारा एनआरपीसी के विचारों पर विचार किया जाएगा।

3.1.5 वार्षिक आधार पर क्षेत्र को बिजली की आपूर्ति करने वाली अंतर-राज्यीय उत्पादक कंपनियों सहित क्षेत्र की विभिन्न उत्पादन कंपनियों की उत्पादन मशीनों की योजना और रखरखाव का समन्वय करना और मासिक आधार पर रखरखाव कार्यक्रम की समीक्षा करना।

3.1.6 मासिक आधार पर पारेषण प्रणाली के आउटेज की योजना शुरू करना।

3.1.7 ग्रिड के स्थिर संचालन के लिए सुरक्षा अध्ययन सहित परिचालन योजना अध्ययन करना।

3.1.8 सिस्टम अध्ययन समिति के माध्यम से प्रतिक्रियाशील मुआवजे की आवश्यकता की समीक्षा और स्थापित कैपेसिटर की निगरानी के माध्यम से उचित वोल्टेज बनाए रखने के लिए योजना बनाना।

3.1.9 क्षेत्र में विद्युत प्रणाली के प्रचालन में मितव्ययिता और दक्षता से संबंधित सभी मुद्दों पर सर्वसम्मति विकसित करना।

4. एनआरपीसी का सचिवालय

4.1. सचिवालय, एनआरपीसी निम्नलिखित कर्तव्यों का पालन करेगा अर्थात्;

4.1.1. एनआरपीसी की समिति, उप-समितियों, टास्क फोर्स और कार्य समूहों की कार्यवाही के रिकॉर्ड को अभिरक्षा में रखना।

4.1.2. समिति और उप-समिति की बैठकों के लिए एजेंडा तैयार करना।

4.1.3. समिति और उप-समिति की बैठकों के कार्यवृत्त तैयार करना।

4.1.4. समिति और उप-समिति की बैठकों में लिए गए निर्णय पर अनुवर्ती कार्रवाई करें।

4.1.5. वाणिज्यिक खातों, परिचालन मापदंडों, सुरक्षा प्रणाली और क्षेत्रीय विद्युत प्रणाली की संचार प्रणाली से संबंधित डेटा और जानकारी का संग्रह बनाए रखना।

4.1.6. संकल्प के तहत एनआरपीसी के कार्यों के कुशल निर्वहन के लिए उपयोगी समझे जाने वाले घटक सदस्यों या अन्य कार्यालयों, कंपनियों, फर्मों या किसी अन्य पार्टी से जानकारी एकत्र करें और समिति और उसकी उप-समितियों के समक्ष जानकारी रखें।

4.1.7 केंद्रीय क्षेत्र के गैस आधारित स्टेशनों द्वारा खुले चक्र उत्पादन का प्रमाणन।

4.2 समय-समय पर सीईआरसी द्वारा बनाए गए भारतीय विद्युत ग्रिड कोड (आईईजीसी) विनियमों के तहत परिकल्पित कर्तव्यों और जिम्मेदारियों का निर्वाचन, एनआरपीसी संकल्प और एनआरपीसी सचिवालय द्वारा किया जाएगा।

4.3 आईईजीसी के प्रावधानों के अनुरूप कार्यों का विवरण नीचे दिया गया है:

4.3.1 सदस्य सचिव, एनआरपीसी अनुचित प्रथाओं, देरी, भेदभाव, सूचना की कमी, गलत सूचना की आपूर्ति या अंतर-राज्यीय पारेषण प्रणाली में खुली पहुंच से संबंधित किसी अन्य मामले के बारे में शिकायत की जांच और समाधान करने का प्रयास करेगा।

4.3.2 सदस्य सचिव, एनआरपीसी पारेषण प्रभार/क्षमता प्रभार और प्रोत्साहन के भुगतान के उद्देश्य से प्रमाणित करेंगे:

(i) क्षेत्रीय एसी प्रणाली की उपलब्धता और एचवीडीसी पारेषण प्रणाली के आउटेज घंटे।

(ii) आईएसजीएस के लिए उपलब्धता और संयंत्र भार कारक।

4.3.3 सदस्य सचिव, एनआरपीसी आईईजीसी के लगातार गैर-अनुपालन के संबंध में मामले को सत्यापित करेंगे और गैर-अनुपालन की शीघ्र समाप्ति के लिए चूककर्ता एजेंसी के साथ उठाएंगे। एनआरपीसी सचिवालय ऐसे उल्लंघन का उचित रिकॉर्ड रखेगा।

4.3.4 एनआरपीसी सचिवालय को घटकों द्वारा स्थापित अंडर फ्रीक्वेंसी रिले का आवधिक निरीक्षण करना है और वास्तविक प्रणाली प्रचालन में निर्धारित आवृत्ति पर ऐसे रिले के गैर-प्रचालन के मामलों की जांच करनी है।

4.3.5 एनआरपीसी सचिवालय सभी संबंधित पक्षों के परामर्श से केविप्रा सीईए द्वारा तैयार की गई वार्षिक बंदी योजना की मासिक आधार पर समीक्षा करेगा।

4.3.6 एनआरपीसी सचिवालय सभी क्षेत्रीय घटकों द्वारा दिए गए आउटेज शेड्यूल का विश्लेषण करने, वार्षिक आउटेज शेड्यूल का मसौदा तैयार करने और प्रत्येक वर्ष के 31 दिसंबर तक अगले वित्तीय वर्ष के लिए वार्षिक आउटेज प्लान को अंतिम रूप देने के लिए जिम्मेदार होगा।

4.3.7 सीईआरसी/केविप्रा विनियमों/एनआरपीसी संकल्प द्वारा सौंपी गई कोई अन्य जिम्मेदारियां भी सचिवालय द्वारा निभाई जाएंगी।

4.4 मानव संसाधन

4.4.1 सचिवालय में काम करने के लिए अधिकारी और कर्मचारी केविप्रा द्वारा उपलब्ध कराए जाएंगे। जब भी केविप्रा समूह "ग" या "घ" अधिकारियों की अपेक्षित संख्या प्रदान करने में असमर्थ होता है, तो रिक्त पदों को प्रतिस्पर्धी बोली मार्ग के माध्यम से दो (2) साल तक की अवधि के लिए या जब तक केविप्रा जनशक्ति प्रदान नहीं

करता है, आउटसोर्स किया जाएगा। उनका पारिश्रमिक "न्यूनतम वेतन अधिनियम, 1948" के दायरे में होगा।

4.4.2 सदस्य सचिव को अन्य स्तरों पर कर्मचारियों की कमी के मामले में सेकेंडमेंट आधार पर कामकों की नियुक्ति करने का भी अधिकार है।

4.4.3 संकल्प द्वारा सौंपे गए कार्यों के अलावा अन्य कार्यों के निर्वहन के लिए, एनआरपीसी पर्याप्त संख्या में व्यक्तियों, विशेषज्ञों या सलाहकारों को नियुक्त कर सकता है।

4.4.4 एनआरपीसी निधि को संभालने के उद्देश्य से, सदस्य सचिव सेकेंडमेंट आधार पर एनआरपीसी के घटकों में से एक नोडल अधिकारी नियुक्त करेगा। एनआरपीसी घटक, एमएस से नोडल अधिकारी की अनुपस्थिति में, एनआरपीसी एनआरपीसी निधि को संभालने के लिए एनआरपीसी सचिवालय के एक अधिकारी को अस्थायी रूप से नियुक्त कर सकता है।

4.5 एनआरपीसी निधि में योगदान

4.5.1. किसी विशेष वर्ष के लिए एनआरपीसी के सदस्यों के योगदान से एनआरपीसी निधि का रखरखाव किया जाएगा। इस निधि को संभालने के उद्देश्य से खंड 4.4.4 के अनुसार एक नोडल अधिकारी नियुक्त किया जाएगा।

4.5.2. घटक उस वित्तीय वर्ष में आयोजित पहली एनआरपीसी बैठक में अनुमोदित आंकड़ों के आधार पर एनआरपीसी निधि में अपना योगदान जमा करेंगे। निधि का उपयोग भारत सरकार से बजटीय आवंटन की प्रतिपूर्ति, विभिन्न बैठकों/प्रशिक्षण कार्यक्रमों के संचालन के लिए व्यय, एनआरपीसी सचिवालय के रखरखाव के लिए व्यय, अतिरिक्त कर्मचारियों/सलाहकारों की नियुक्ति, या एनआरपीसी फोरम द्वारा अनुमोदित किसी अन्य व्यय के लिए किया जाएगा। किसी विशेष वर्ष के किसी भी अधिशेष/घाटे को अगले वित्तीय वर्ष में समायोजित किया जाएगा।

4.5.3. केविप्रा, एनएलडीसी, एनआरएलडीसी और सीटीयू को छोड़कर एनआरपीसी के सभी सदस्य घटक एनआरपीसी सचिवालय के व्यय को समान रूप से साझा करेंगे।

4.5.4. ~~अध्यक्ष, एनआरपीसी प्रत्येक वर्ष के दौरान एनआरपीसी फंड का ऑडिट करने के लिए एनआरपीसी घटकों के अधिकारियों के साथ-साथ बाहरी लेखा परीक्षकों की एक समिति नियुक्त करेगा और उसी के लिए रिपोर्ट एनआरपीसी फोरम के समक्ष रखी जाएगी।~~ ऑडिट केंद्रीय विद्युत प्राधिकरण द्वारा जारी एसओपी के अनुसार किया जाएगा और इसके रिपोर्ट एनआरपीसी फोरम के समक्ष रखी जाएगी।

5. आरपीसी सचिवालय को डेटा/सूचना प्रस्तुत करना

5.1. एनआरएलडीसी और क्षेत्र के घटक अपने कार्यों के निर्वहन के लिए या प्राधिकरण/आयोग/समिति द्वारा उसे सौंपी गई किसी अन्य जिम्मेदारी/कार्य को पूरा करने के लिए सचिवालय द्वारा आवश्यक सभी डेटा/जानकारी उपलब्ध कराएंगे। यह सुनिश्चित करना भी घटकों की जिम्मेदारी होगी कि कोई भी डेटा, हालांकि सचिवालय द्वारा विशेष रूप से नहीं मांगा गया है, लेकिन जो सचिवालय को सौंपी गई विशिष्ट जिम्मेदारी/कार्य के लिए आवश्यक हो सकता है, वह भी सचिवालय को उपलब्ध कराया जाता है।

5.2 एनआरएलडीसी सदस्य सचिव**,** एनआरपीसी को उत्तर क्षेत्रीय ग्रिड प्रणाली के वास्तविक समय सीमा में सभी मापदंडों का अवलोकन करने के लिए एक कंप्यूटर टर्मिनल प्रदान करेगा।

6. एनआरपीसी के अध्यक्ष

एनआरपीसी के अध्यक्ष की नियुक्ति 'सरकारी संकल्प' के अनुसार की जाएगी।

7. एनआरपीसी की वेबसाइट

एनआरपीसी की अपनी वेबसाइट होगी जिसका रखरखाव एनआरपीसी सचिवालय द्वारा किया जाएगा।

अध्याय -II: एनआरपीसी की बैठकें आयोजित करने की प्रक्रिया

8. एनआरपीसी बैठक का स्थान और तारीख

8.1. बैठक का स्थान और तारीख एनआरपीसी के अध्यक्ष के परामर्श से सदस्य सचिव, एनआरपीसी द्वारा तय की जाएगी। बैठक आम तौर पर क्षेत्र के भीतर आयोजित की जाएगी।

8.2. एनआरपीसी के सदस्यों के परामर्श से सदस्य सचिव, एनआरपीसी द्वारा तैयार किए गए रोस्टर के अनुसार सदस्य संगठनों द्वारा बैठक की मेजबानी की जाएगी।

8.3. यदि प्रत्यक्ष बैठकों के लिए परिस्थितियां अनुकूल नहीं हैं, तो बैठकें वीडियो कॉन्फ्रेंसिंग के माध्यम से आयोजित की जाएंगी.

9. बैठकों की आवधिकता

9.1 "संकल्प" के पैरा -11 के अनुसार, समिति के सदस्य महीने में कम से कम एक बार मिलेंगे। तथापि, समिति अध्यक्ष, आरपीसी के परामर्श से आवश्यकता पड़ने पर किसी भी मुद्दे पर चर्चा करने के लिए बैठक कर सकती है।

10. समिति की बैठकों और एजेंडे के लिए सूचना

10.1. समिति की बैठकों के लिए नोटिस सदस्य सचिव, एनआरपीसी द्वारा अध्यक्ष, एनआरपीसी के परामर्श से कम से कम 3 सप्ताह पहले जारी किया जाएगा। वीडियो कॉन्फ्रेंसिंग के माध्यम से आपात स्थिति या बैठक के मामले में, तत्काल कार्य करने के लिए आवश्यक बैठकें आयोजित की जानी चाहिए, एक सप्ताह का नोटिस दिया जाना है।

10.2. बैठक के लिए एजेंडा बिंदु सदस्यों द्वारा बैठक से कम से कम 2 सप्ताह पहले सदस्य सचिव को भेजे जाएंगे। सदस्य सचिव, एनआरपीसी एजेंडा को अंतिम रूप देंगे और इसे कम से कम 1 सप्ताह पहले अपने सभी सदस्यों को प्रसारित करेंगे और वेबसाइट पर भी पोस्ट किए जाएंगे।

10.3. आम तौर पर, एनआरपीसी मासिक आधार पर सीटीयू द्वारा प्रस्तुत ट्रांसमिशन प्लानिंग से संबंधित एजेंडे पर चर्चा करने के लिए बैठक करेगा। पारेषण आयोजना से संबंधित चर्चाओं को छोड़कर अन्य चर्चाएं सामान्यत: तकनीकी समन्वय उप-समिति (टीसीसी) में विचार-विमर्श के बाद रखी जाएंगी, जो आवश्यकता पड़ने पर आयोजित की जाएंगी।

10.4 सदस्य सचिव, एनआरपीसी अध्यक्ष, एनआरपीसी के परामर्श से तत्काल मामलों/नीतिगत मुद्दों से संबंधित किसी भी एजेंडे को सीधे एनआरपीसी के समक्ष रख सकते हैं।

10.5 सदस्य सचिव, एनआरपीसी समिति के अध्यक्ष के परामर्श से किसी भी जरूरी मामले पर अल्प सूचना पर बैठक बुला सकते हैं।

10.6 किसी सदस्य से विशिष्ट अनुरोध प्राप्त होने पर भी, सदस्य सचिव, एनआरपीसी उपर्युक्त खंड 10.5 के अनुसार एक बैठक बुला सकते हैं।

11 एक सदस्य द्वारा बैठक की सूचना प्राप्त न होने का प्रभाव

11.1 एनआरपीसी या उप-समिति के किसी भी सदस्य द्वारा नोटिस प्राप्त न होने से बैठक की कार्यवाही या बैठक में लिए गए किसी भी निर्णय को अमान्य नहीं किया जाएगा।

12 बैठक रद्द करना / पुनः निर्धारित करना

12.1 यदि किसी बैठक को रद्द या पुनर्निर्धारित करने की आवश्यकता होती है, तो उसे जल्द से जल्द ई-मेल द्वारा सदस्यों को सूचित किया जाएगा और तुरंत एनआरपीसी वेबसाइट पर भी पोस्ट किया जाएगा।

13 **एनआरपीसी बैठक की गणपूर्ति**

13.1. बैठक का कोरम कम से कम 50% सदस्यों से होगा।

13.2. एनआरपीसी में सभी निर्णय आम सहमति से लिए जाएंगे।

13.3. उपरोक्त कोरम के साथ बैठक के दौरान समिति द्वारा लिए गए निर्णय/अनुसमर्थन को अंतिम माना जाएगा।

13.4. क्षेत्रीय ग्रिड के प्रचालन और विद्युत के निर्धारण और प्रेषण के लिए एनआरपीसी के निर्णय का उत्तर क्षेत्रीय भार प्रेषण केंद्र (एनआरएलडीसी) द्वारा आयोग के निदेशों अथवा विनियमों के अध्यधीन पालन किया जाएगा।

13.5 केवल एनआरपीसी के सदस्य और उनके संगठन के दो से अधिक प्रतिनिधि समिति की बैठक में भाग नहीं लेंगे। अन्य व्यक्ति केवल आमंत्रण/अनुमति से बैठक में भाग ले सकते हैं। हालांकि, मतदान का अधिकार केवल एनआरपीसी के सदस्यों के लिए उपलब्ध होगा।

14 पीठासीन प्राधिकारी

14.1. अध्यक्ष, एनआरपीसी एनआरपीसी की बैठक की अध्यक्षता करेंगे और कामकाज का संचालन करेंगे। सदस्य सचिव, एनआरपीसी बैठक के संचालन में एनआरपीसी के अध्यक्ष की सहायता करेंगे। यदि अध्यक्ष किसी कारण से बैठक में उपस्थित होने में असमर्थ है, तो बैठक में उपस्थित राज्य उपयोगिताओं के एनआरपीसी के वरिष्ठ सदस्य से बैठक की अध्यक्षता करने के लिए सदस्य सचिव द्वारा अनुरोध किया जाएगा।

14.2 सदस्य सचिव, एनआरपीसी की अनुपस्थिति में एनआरपीसी सचिवालय के अगले वरिष्ठतम अधिकारी बैठक बुलाएंगे।

15 कार्यवृत्तों की रिकॉर्डिंग

15.1 बैठक के कार्यवृत्त को समिति की बैठक की तारीख से 15 कार्य दिवसों के भीतर सदस्य सचिव, एनआरपीसी द्वारा अंतिम रूप दिया जाएगा और इसके सभी सदस्यों को वितरित किया जाएगा। मिनट्स एनआरपीसी की वेबसाइट पर भी पोस्ट किए जाएंगे।

15.2. बैठक के दौरान होने वाली चर्चाओं को ऑडियो रिकॉर्ड किया जाएगा और मिनट की पुष्टि होने तक रिकॉर्ड एनआरपीसी के सचिवालय में रखा जाएगा। बैठक की मेजबानी करने वाला सदस्य संगठन बैठक की कार्यवाही की ऑडियो रिकॉर्डिंग के लिए सभी सुविधाएं प्रदान करेगा।

16 कार्यवृत्त की पुष्टि

16.1 एनआरपीसी बैठक के कार्यवृत्त को पुष्टि के लिए अगली बैठक में रखा जाएगा। हालांकि, तात्कालिकता के मामले में मिनटों की पुष्टि परिसंचरण द्वारा की जा सकती है।

अध्याय- III: एनआरसी की उप-समितियाँ

17 एनआरपीसी की उप-समितियों का गठन

17.1 एनआरपीसी द्वारा सौंपे गए कार्यों के संचालन में मार्गदर्शन और सहायता के लिए निम्नलिखित उप-समितियों का गठन किया जाएगा:

(क) तकनीकी समन्वय उप-समिति (टीसीसी)

(ख) संचालन समन्वय उप-समिति (ओसीसी)

(ग) वाणिज्यिक उप-समिति (सीसी)

(घ) संरक्षण उप-समिति (पीसी)

(ङ) सिस्टम अध्ययन उप-समिति

(च) एलजीबीआर उप-समिति

(छ) दूरसंचार, स्काडा और टेलीमेट्री (टी ईएसटी) उप-समिति

17.2 एनआरपीसी या सदस्य सचिव, एनआरपीसी या कोई उप-समिति किसी विशिष्ट मुद्दे पर सलाह देने के लिए सदस्यों और बाहरी विशेषज्ञों में से विशिष्ट उद्देश्य के लिए टास्क फोर्स, कोर ग्रुप का गठन कर सकती है।

18 तकनीकी समन्वय उप-समिति (टीसीसी)

18.1 कार्य:

18.1.1 तकनीकी समन्वय उप-समिति, ऑपरेशन समन्वय उप-समिति, वाणिज्यिक उप-समिति, सुरक्षा उप-समिति, सिस्टम अध्ययन उप-समिति, एलजीबीआर उप-समिति और क्षेत्रीय ग्रिड के संचालन, वाणिज्यिक पहलुओं, बिजली के अंतर-राज्य/अंतर-क्षेत्रीय हस्तांतरण, ग्रिड स्थिरता आदि से संबंधित टीईएसटी उप-समिति, जिससे क्षेत्र में बिजली प्रणाली के संचालन में मितव्ययिता और दक्षता आएगी द्वारा संदर्भित सभी मुद्दों पर विचार करेगी।

18.1.2 टीसीसी एनआरपीसी के निर्णयों को लागू करेगा और क्षेत्रीय ग्रिड संचालन, ग्रिड सुरक्षा और वाणिज्यिक मामलों पर अपने कार्यों के निर्वहन और नीतिगत मामलों के निर्माण में एनआरपीसी को मार्गदर्शन और सहायता भी प्रदान करेगा।

18.2 तकनीकी समन्वय उप-समिति की संरचना:

18.2.1. टीसीसी का प्रतिनिधित्व उत्पादन/पारेषण/वितरण से संबंधित एनआरपीसी घटकों के तकनीकी सदस्यों और केंद्रीय विद्युत प्राधिकरण के प्रतिनिधि द्वारा किया जाएगा। प्रतिनिधित्व राज्य उपयोगिताओं में तकनीकी प्रमुखों, कार्यकारी निदेशकों/मुख्य महाप्रबंधकों या पीएसयू में समकक्ष/वितरण कंपनी/व्यापारियों/आईपीपी के तकनीकी प्रमुखों और सीईए में मुख्य अभियंता के स्तर पर होगा।

18.2.2 एनआरपीसी के अध्यक्ष अपने संबंधित राज्य से टीसीसी के अध्यक्ष की नियुक्ति करेंगे। अध्यक्ष, टीसीसी को एनआरपीसी के अध्यक्ष के रूप में उसी क्रम में प्रत्येक वर्ष राज्यों में से स्थानांतरित किया जाएगा।

18.3 बैठकों:

18.3.1. टीसीसी आवश्यकता पड़ने पर बैठक करेगी और अपनी सिफारिशें एनआरपीसी को प्रस्तुत करेगी।

18.3.2. क्षेत्रीय ग्रिड के संचालन, ग्रिड की सुरक्षा, वाणिज्यिक मामलों और अन्य मुद्दों से संबंधित तत्काल मुद्दों या विशिष्ट मुद्दों, यदि कोई हो, का समाधान करने के लिए टीसीसी अलग से भी बैठक करेगा।

18.3.3. टीसीसी के अध्यक्ष बैठक की अध्यक्षता करेंगे। यदि अध्यक्ष उपस्थित होने में असमर्थ है, तो सदस्य सचिव, एनआरपीसी टीसीसी सदस्यों में से एक व्यक्ति से बैठक की अध्यक्षता करने का अनुरोध करेगा।

18.2.4 सदस्य सचिव, एनआरपीसी टीसीसी बैठक आयोजित करने में टीसीसी अध्यक्ष की सहायता करेंगे।

19 ऑपरेशन समन्वय उप-समिति (ओसीसी)

19.1 कार्य:

ऑपरेशन समन्वय समिति (ओसीसी) क्षेत्रीय ग्रिड के संचालन से संबंधित सभी मुद्दों पर चर्चा करेगी। प्रत्येक पावर स्टेशन से बिजली और ऊर्जा की उपलब्धता और वर्तमान और अगले महीने के लिए प्रत्येक राज्य की मांग का अनुमान लगाना; उत्पादन इकाइयों और प्रमुख पारेषण लाइनों के लिए समन्वित रखरखाव कार्यक्रम तैयार करना; घटकों द्वारा पालन किए जाने वाले परिचालन अनुशासन और उसके मानदंडों की समीक्षा करना; स्वचालित अंडर-फ़्रीक्वेंसी रिले के संचालन की समीक्षा

करना; पिछले महीने के दौरान प्रणालीगत घटनाओं, यदि कोई हो, पर चर्चा करना और जांच समितियों की सिफारिशों के कार्यान्वयन की स्थिति की समीक्षा करना; ग्रिड संचालन से संबंधित आईईजीसी के प्रावधानों के उल्लंघन की निगरानी/समीक्षा करना; अन्य क्षेत्रों के साथ ऊर्जा हस्तांतरण के अनुकूलन सहित आर्थिक ग्रिड संचालन सुनिश्चित करने के उपायों पर चर्चा/समीक्षा; अंतर-क्षेत्रीय ऊर्जा आदान-प्रदान को अनुकूलित करने की संभावना की जांच करना; अन्य क्षेत्रों के साथ ऊर्जा हस्तांतरण के अनुकूलन पर चर्चा; और टीसीसी/एनआरपीसी द्वारा संदर्भित कोई अन्य मामला।

19.2 संचालन समन्वय समिति की संरचना:

19.2.1 ओसीसी का प्रतिनिधित्व एनआरपीसी के घटक सदस्यों के प्रतिनिधियों द्वारा किया जाएगा। नामांकित प्रतिनिधि राज्य उपयोगिताओं में मुख्य अभियंता/सीपीएसई में महाप्रबंधक या परिचालन संबंधी मुद्दों से परिचित समकक्ष स्तर का होगा।

19.2.2 सदस्य सचिव, एनआरपीसी ओसीसी के अध्यक्ष होंगे और बैठकों की अध्यक्षता करेंगे। सचिवालय के अधीक्षण अभियंता ओसीसी के संयोजक होंगे।

19.3 बैठकें:

बैठक हर महीने आम तौर पर उस महीने के 20 वें दिन से पहले आयोजित की जाएगी।

20 वाणिज्यिक उप-समिति (सीएससी):

20.1 कार्य:

वाणिज्यिक उप-समिति (**सीएससी**) वाणिज्यिक ऊर्जा लेखांकन, थोक बिजली आपूर्ति समझौतों में शामिल करने के लिए आवश्यक योजनाएं, नई परियोजनाओं से बिजली की आवश्यकता, विशेष ऊर्जा मीटर की स्थापना और इसकी लागत साझा करना आदि, मीटरिंग पहलू, नियामक खातों के भुगतान की समीक्षा, ट्रांसमिशन से संबंधित मुद्दे शुल्क, बिजली के अंतर-राज्य और अंतर-क्षेत्रीय आदान-प्रदान में वाणिज्यिक मुद्दे, घटकों के बीच भुगतान के निपटान से संबंधित मुद्दे, यदि कोई हो, आदि और टीसीसी/एनआरपीसी द्वारा संदर्भित कोई अन्य मामलें से संबंधित सभी मुद्दों पर चर्चा करेगी। वाणिज्यिक समिति क्षेत्रीय ऊर्जा खातों और यूआई डीएसएम, रिएक्टिव एनर्जी और अन्य पूल खातों का ऑडिट करेगी।

20.2 वाणिज्यिक उप-समिति (सीएससी) की संरचना:

20.2.1 वाणिज्यिक उप-समिति का प्रतिनिधित्व आरपीसी के घटक सदस्यों के प्रतिनिधियों द्वारा किया जाएगा।

20.2.2 नामित प्रतिनिधि राज्य यूटिलिटियों में मुख्य अभियंताओं/सीपीएसई में महाप्रबंधक के स्तर पर या वाणिज्यिक मुद्दों से परिचित समकक्ष स्तर पर होगा।

20.2.3 सदस्य सचिव, एनआरपीसी **सीएससी** के अध्यक्ष होंगे और बैठकों की अध्यक्षता करेंगे। सचिवालय के अधीक्षण अभियंता सीसी के संयोजक होंगे।

20.3 बैठकें:

बैठक त्रैमासिक रूप से या जब भी आवश्यक हो, आयोजित की जाएगी ताकि अत्यावश्यक प्रकृति के मुद्दों को संबोधित किया जा सके।

21 संरक्षण उप-समिति (पीएससी)

21.1 कार्य:

सुरक्षा उप-समिति (पीएससी) बिजली प्रणाली सुरक्षा से संबंधित सभी मुद्दों जैसे क्षेत्र में सिस्टम गड़बड़ी का विश्लेषण, सुरक्षात्मक रिलेइंग योजनाओं की समीक्षा, रिले समन्वय द्वीप योजना, आवृत्ति लोड शेडिंग योजनाओं के तहत स्वचालित, उपरोक्त मामलों से संबंधित क्षेत्र में ग्रिड गड़बड़ी की जांच समिति द्वारा की गई सिफारिशों के कार्यान्वयन की समीक्षा , आदि और टीसीसी/एनआरपीसी द्वारा संदर्भित कोई अन्य मामलों के संबंध में चर्चा करेगी।

21.2 संरक्षण उप-समिति की संरचना:

21.2.1. संरक्षण उप-समिति का प्रतिनिधित्व एनआरपीसी के घटक सदस्यों द्वारा किया जाएगा।

21.2.2 नामित प्रतिनिधि राज्य यूटिलिटियों में मुख्य अभियंताओं/सीपीएसई में महाप्रबंधक या समकक्ष स्तर पर होगा और क्षेत्र में विद्युत प्रणाली संरक्षण/परीक्षण से संबंधित होगा।

21.2.3 सदस्य सचिव, एनआरपीसी पीसी के अध्यक्ष होंगे और बैठकों की अध्यक्षता करेंगे। सचिवालय के अधीक्षण अभियंता पीसी के संयोजक होंगे।

21.3 बैठकें:

बैठक त्रैमासिक रूप से या जब भी आवश्यक हो, आयोजित की जाएगी ताकि अत्यावश्यक प्रकृति के मुद्दों को संबोधित किया जा सके।

22 सिस्टम अध्ययन उप-समिति (एसएससी):

22.1. **कार्य::**

प्रणाली अध्ययन उप-समिति निम्नलिखित प्रणाली अध्ययन करेगी:

i. उत्पादन और पारेषण प्रणालियों में प्रत्याशित परिवर्धन और प्रणाली में कम वोल्टेज की स्थिति को ध्यान में रखते हुए क्षेत्र में आवश्यक कैपेसिटर की मात्रा के आकलन के लिए अध्ययन।

ii. प्रतिक्रियाशील मुआवजे की आवश्यकता की समीक्षा के लिए अध्ययन।

iii. चरम स्थितियों से लेकर ऑफ-पीक स्थितियों आदि के लिए, जब भी आवश्यकता हो, परिचालन भार प्रवाह का अध्ययन किया जाता है।

iv. आवश्यकता पड़ने पर शॉर्ट-सर्किट अध्ययन।

v. ग्रिड व्यवधानों जैसी प्रमुख घटनाओं अथवा अन्य मुद्दों के लिए आवधिक रूप से अथवा जब कभी संघटक (घटकों) द्वारा अनुरोध किया जाता है, क्षणिक स्थिरता अध्ययन।

vi. ट्रांसमिशन बाधाओं से संबंधित सिस्टम अध्ययन।

vii. रिएक्टरों या कैपेसिटर ऑपरेशन/आवश्यकता के विशिष्ट संदर्भ के साथ उच्च/निम्न वोल्टेज स्थितियों के लिए विशिष्ट अध्ययन।

viii. आवश्यकता पड़ने पर रिएक्टरों की आवश्यकता की पहचान

ix. जब भी आवश्यक हो, अध्ययनों से सुरक्षा संबंधी मुद्दों का सह-संबंध।

22.2 **प्रणाली अध्ययन उप-समिति की संरचना**:

22.2.1 प्रणाली अध्ययन उप-समिति का प्रतिनिधित्व एनआरपीसी के घटक सदस्यों द्वारा किया जाएगा।

22.2.2 नामित प्रतिनिधि राज्य यूटिलिटियों में कार्यपालक अभियंताओं/सीपीएसई में उप महाप्रबंधक या समकक्ष स्तर पर होगा और क्षेत्र में प्रणाली अध्ययन से संबंधित मुद्दों से परिचित होगा।

22.2.3 सदस्य सचिव, एनआरपीसी एसएससी के अध्यक्ष होंगे और बैठकों की अध्यक्षता करेंगे सचिवालय के अधीक्षण अभियंता इस उप-समिति के संयोजक होंगे।

22.3 **बैठकें:**

जब भी आवश्यक हो, संयोजक द्वारा लिए गए निर्णय के अनुसार।

23 एलजीबीआर उप-समिति

23.1 कार्य:

i. एलजीबीआर उप-समिति भारतीय विद्युत ग्रिड कोड के प्रावधानों के अनुसार निम्नलिखित कार्य करेगी:
ii. उत्पादन स्टेशनों की वाषक बंदी योजना को अंतिम रूप देना।
iii. अगले वित्तीय वर्ष के लिए प्रत्याशित बिजली आपूर्ति की स्थिति तैयार करें। उत्पादन स्टेशनों की वार्षिक आउटेज योजना और प्रत्याशित बिजली आपूर्ति स्थिति की आवधिक समीक्षा।

23.2 एलजीबीआर उप-समिति की संरचना:

23.2.1 एलजीबीआर उप-समिति का प्रतिनिधित्व एनआरपीसी के घटक सदस्यों द्वारा किया जाएगा।

23.2.2 नामित प्रतिनिधि राज्य यूटिलिटियों में मुख्य अभियंताओं/सीपीएसई में महाप्रबंधक या समकक्ष स्तर पर होगा और क्षेत्र में प्रणाली अध्ययन से संबंधित मुद्दों से परिचित होगा।

23.2.3 सदस्य सचिव, एनआरपीसी एलजीबीआर उप-समिति के अध्यक्ष होंगे और बैठकों की अध्यक्षता करेंगे। सचिवालय के अधीक्षण अभियंता एलजीबीआर उप-समिति के संयोजक होंगे।

23.3 बैठकें:

जब भी संयोजक द्वारा निर्णय लिया जाना आवश्यक होगा, बैठकें आयोजित की जाएंगी।

24 दूरसंचार, स्काडा और टेलीमेट्री (टीईएसटी) उप-समिति

कार्य:

24.1 टीईएसटी उप-समिति भारतीय विद्युत ग्रिड संहिता के प्रावधानों के अनुसार एनआर की दूरसंचार, एससीएडीए और टेलीमेट्री योजनाओं और उन पर मुद्दों पर विचार-विमर्श करने के लिए बैठक करेगी।

24.2 टीईएसटी उप-समिति की संरचना:

24.2.1. टीईएसटी उप-समिति का प्रतिनिधित्व एनआरपीसी के घटक सदस्यों द्वारा किया जाएगा।

24.2.2. नामित प्रतिनिधि राज्य यूटिलिटीज के मुख्य अभियंताओं/सीपीएसई के महाप्रबंधक या समकक्ष स्तर पर होगा और इस क्षेत्र में दूरसंचार, एससीएडीए और टेलीमेट्री के साथ बातचीत करेगा।

24.2.3 सदस्य सचिव, एनआरपीसी टीईएसटी उप-समिति के अध्यक्ष होंगे और बैठकों की अध्यक्षता करेंगे। सचिवालय के अधीक्षण अभियंता टीईएसटी उप-समिति के संयोजक होंगे।

24.3 बैठकें:

संयोजक द्वारा निर्णय लिए जाने के बाद बैठक आयोजित की जाएगी।

25. नवीकरणीय ऊर्जा उप-समिति (आरईसी)

25.1 कार्य:

आरई उप-समिति नवीकरणीय ऊर्जा संसाधनों, ग्रिड में इसके एकीकरण, निकासी और अन्य संबंधित मुद्दों पर विचार-विमर्श करने के लिए बैठक करेगी।

25.2 आरई उप-समिति की संरचना:

25.2.1 आरई उप-समिति का प्रतिनिधित्व एनआरपीसी के घटक सदस्यों द्वारा किया जाएगा।

25.2.2 नामांकित प्रतिनिधि राज्य यूटिलिटीज के मुख्य अभियंता/सीपीएसई के महाप्रबंधक या समकक्ष स्तर का होगा और क्षेत्र में नवीकरणीय ऊर्जा डोमेन से परिचित होगा।

25.2.3 सदस्य सचिव, एनआरपीसी आरई उप-समिति के अध्यक्ष होंगे और बैठकों की अध्यक्षता करेंगे। सचिवालय के अधीक्षण अभियंता आरई उप समिति के संयोजक होंगे।

25.3 बैठकें:

25.3.1 बैठक तिमाही में कम से कम एक बार आयोजित की जाएगी।

अध्याय -IV: एनआरपीसी की उप-समिति की बैठकें आयोजित करने की प्रक्रिया

26 उप-समिति की बैठकों का आयोजन, नोटिस जारी करना, एजेंडा और इसके कार्यवृत्त

26.1 उपरोक्त उप-समिति की बैठक के लिए नोटिस बैठक की तारीख से कम से कम 15 दिन पहले और एनआरपीसी सचिवालय द्वारा बैठक से एक सप्ताह पहले एजेंडा बिंदु जारी किए जाएंगे। हालांकि, जब वीडियो कॉन्फ्रेंसिंग के जरिए बैठक होनी है तो यह अवधि घटाकर क्रमश: 10 दिन और 3 दिन की हो सकती है। बैठक के कार्यवृत्त को सदस्य सचिव द्वारा अंतिम रूप दिया जाएगा और एनआरपीसी सचिवालय द्वारा बैठक के 15 कार्य दिवसों के भीतर जारी किया जाएगा।

26.2 क्षेत्रीय ग्रिड के प्रचालन और उपर्युक्त अन्य कार्यों के लिए समिति के निर्णय को घटकों द्वारा कार्यान्वित किया जाएगा। यदि उप-समिति मामले की सिफारिश टीसीसी/एनआरपीसी को आगे विचार-विमर्श या निर्णय के लिए करती है, तो उसे एनआरपीसी सचिवालय द्वारा टीसीसी/एनआरपीसी को भेजा जाएगा।

26.3 बैठकें क्षेत्र में स्थित स्थान और स्थल पर आयोजित की जाएंगी, जिसका निर्णय सदस्य सचिव, एनआरपीसी द्वारा किया जाएगा। यदि प्रत्यक्ष बैठकों के लिए परिस्थितियां अनुकूल नहीं हैं, तो बैठकें वीडियो कॉन्फ्रेंसिंग के माध्यम से आयोजित की जाएंगी।

26.4 बैठक की मेजबानी सदस्य संगठनों द्वारा की जा सकती है, जैसा कि सदस्य सचिव, एनआरपीसी द्वारा उप-समिति के सदस्यों के परामर्श से तय किया गया है। बैठक के संचालन के लिए आवश्यक सभी व्यवस्थाएं मेजबान सदस्य संगठन द्वारा की जाएंगी।

अध्याय V: एनआरपीसी फंड का संचालन

27 नाम: **निधि का नाम "एनआरपीसी-फंड" होगा।**

28 लक्ष्य:

1 निधि एनआरपीसी के घटक सदस्यों से एकत्र किए गए योगदान शुल्क की संचित राशि है। अंशदान की राशि का निर्णय प्रत्येक वर्ष के लिए एनआरपीसी की बैठक में किया जाएगा।

2 निधि का उपयोग डीडीओ, एनआरपीसी के माध्यम से भारत सरकार/केिसीईए की समेकित निधि में एनआरपीसी सचिवालय के कार्यालय द्वारा किए गए वास्तविक व्यय (केंद्रीय विद्युत प्राधिकरण द्वारा प्रदान किए गए बजट से) की प्रतिपूर्ति के लिए किया जाएगा।

3 इस निधि का उपयोग सीईए द्वारा जारी एसओपी के अनुसार एनआरपीसी सचिवालय के व्यय को पूरा करने के लिए किया जाएगा।

4 निधि का उपयोग मौजूदा क्षेत्रीय बोर्ड निधि के माध्यम से एनआरपीसी की बैठकों, कार्यशालाओं, सेमिनारों आदि के आयोजन में होने वाले व्यय को पूरा करने के लिए किया जाएगा।

5 आरपीसी फोरम के अनुमोदन से एनआरपीसी सचिवालय के कुशल कामकाज के लिए सदस्य सचिव द्वारा आवश्यक समझे जाने वाले किसी अन्य कार्यालय व्यय को पूरा करने के लिए निधि का उपयोग किया जाएगा।

6 निधि से व्यय जीएफआर/भारत सरकार के दिशानिर्देशों के अनुसार होगा।

29 योगदान: निम्नलिखित को छोड़कर सभी सदस्य (रोटेशनल सदस्यों सहित), वार्षिक आधार पर समान रूप से योगदान देंगे, जो हर साल पिछले वर्ष के वास्तविक व्यय और वर्तमान/अगले वर्ष में अनुमानित व्यय की समीक्षा के आधार पर तय किया जाएगा:

i) केविप्रा

ii) सदस्य सचिव, एनआरपीसी

iii) विद्युत मंत्रालय/एनआरपीसी फोरम द्वारा छूट प्राप्त कोई भी सदस्य

iv) विशेष आमंत्रित सदस्य

30 परिचालन: निधि का रख-रखाव उत्तरी क्षेत्रीय विद्युत समिति (एनआरपीसी) के नाम से किसी भी राष्ट्रीयकृत बैंक में किया जाएगा और इसका प्रचालन एनआरपीसी सदस्यों की ओर से सदस्य सचिव द्वारा निर्णीत दो और हस्ताक्षरकर्ताओं के साथ किसी भी घटक सदस्य के नोडल अधिकारी द्वारा संयुक्त रूप से किया जाएगा। लेखा का संचालन सदस्य सचिव के प्रशासनिक नियंत्रण/पर्यवेक्षण में किया जाएगा।

31 खातों का रखरखाव: सभी व्यय/प्राप्तियों का लेखा-जोखा एनआरपीसी सदस्यों की ओर से नोडल अधिकारी द्वारा रखा जाएगा। ऐसा अधिकारी एक रोकड़ बही आदि भी रखेगा, जहां सभी प्राप्तियों और व्यय का विवरण दर्ज किया जाएगा।

32 खातों का सत्यापन/लेखा परीक्षा: प्रत्येक वित्तीय वर्ष के लिए "एनआरपीसी फंड" खाते का ऑडिट केविप्रा द्वारा जारी एसओपी के अनुसार किया जाएगा।

अध्याय -VI: रिपोर्ट

33.एनआरपीसी की रिपोर्ट

33.1 एनआरपीसी सचिवालय द्वारा निम्नलिखित रिपोर्ट तैयार और प्रस्तुत की जाएंगी:

क्र.सं.	रिपोर्ट का नाम	अवधि
1	मासिक प्रगति रिपोर्ट उत्तरी क्षेत्रीय ग्रिड / परिचालन डेटा	मासिक
2	एनआरपीसी की वार्षिक रिपोर्ट	वार्षिक

अध्याय -VII: विविध

34 एनआरपीसी की अंतर्निहित शक्ति की बचत

34.1 इन नियमों में कुछ भी एनआरपीसी को अधिनियम के अनुरूप ऐसी प्रक्रिया अपनाने से नहीं रोकेगा जो इन नियमों के प्रावधानों से भिन्न हो, यदि एनआरपीसी किसी मामले या मामलों के वर्ग की विशेष परिस्थितियों को देखते हुए ऐसे मामले या मामलों के वर्ग से निपटना आवश्यक या समीचीन समझती है।

34.2 इन नियमों में कुछ भी स्पष्ट रूप से या निहितार्थ से, एनआरपीसी को किसी भी मामले से निपटने या अधिनियम के तहत किसी भी शक्ति का प्रयोग करने से नहीं रोकेगा, जिसके लिए कोई नियम नहीं बनाए गए हैं और एनआरपीसी ऐसे मामलों से निपट सकता है, और उस तरीके से कार्य कर सकता है जिसे वह उचित समझता है।

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NORTHERN REGIONAL POWER COMMITTEE
KATWARIA SARAI, NEW DELHI

CONDUCT OF BUSINESS
Rules, ~~2023~~ 2024

~~July, 2023~~ May 2024

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CHAPTER-I: GENERAL

1. Short title and commencement

15.1. Government of India, under the provision of Section 2, Subsection 55 of the Electricity Act 2003 vide resolution F.No. 23/21/2021-R&R dated 3rd December 2021 (copy enclosed) published in the Gazette of India has established the Northern Regional Power Committee herein after referred to as NRPC comprising of states of Delhi, Haryana, Himachal Pradesh, Punjab, Rajasthan, Uttaranchal and Uttar Pradesh and the Union Territories of Chandigarh, Jammu & Kashmir and Ladakh.

15.2. As per the clause-9 of the aforesaid resolution dated 3rd December 2021, the NRPC hereby makes the following rules which may be called "**The Northern Regional Power Committee (Conduct of Business) Rules, ~~2022~~ 2024**".

15.3. These rules shall come into force from the date of its approval by the NRPC and shall remain in force unless otherwise modified.

2. Definitions

2.1. In these Rules unless the context otherwise requires:

(a) 'Act' means the Electricity Act, 2003.

(b) 'Agenda' means the list of business proposed to be transacted at a meeting of the Committee or Sub-Committee.

(c) 'Authority' means Central Electricity Authority.

(d) 'Commercial Sub-Committee (CSC)' means a sub-committee constituted by the Committee to consider commercial related issues.

(e) 'Commission' means Central Electricity Regulatory Commission.

(f) 'Committee' means the Northern Regional Power Committee constituted by the Central Government under Sub-Section (55) of Section 2 of the Electricity Act, 2003.

(g) 'Government Resolution' means resolution No. 23/21/2021-R&R dated 3rd December 2021, notified by Government of India and amendment(s) thereon.

(h) 'IEGC' means the Indian Electricity Grid Code, specified by Central Electricity Regulatory Commission.

(i) LGBR Sub-Committee means a sub-committee constituted by the committee to -

i. finalise annual outage plan of generating stations

ii. prepare anticipated power supply position for next fiscal and

iii. for periodic review of (i) & (ii).

(j) ‘Meeting’ means a meeting of the committee / sub-committee convened by the Member Secretary, NRPC Secretariat or any member authorized to convene a meeting in the absence of the head of Secretariat.

(k) ‘Member’ means the member of the as per Resolution of the Government of India on establishment of NRPC dated 3rd December 2021 and as amended from time to time.

(l) ‘NLDC’ means National Load Despatch Centre.

(m) ‘NRLDC’ means Northern Regional Load Despatch Centre

(n) ‘Operational Coordination Sub-Committee (OCC)’ means a sub-committee constituted by the NRPC to consider all issues related to operation of the regional grid.

(o) ‘Protection Sub-Committee (PSC)’ means a sub-committee constituted by the Committee to consider all power system protection related issues.

(p) ‘Renewable Energy Sub-Committee (REC)’ means a sub-committee constituted by the Committee to consider all Renewable Energy related issues.

(q) ‘Rule’ means Northern Regional Power Committee (Conduct of Business) Rules ~~2022~~ as amended.

(r) ‘SLDC’ means State Load Despatch Centre.

(s) ‘Sub-Committee’ means the Sub-Committees constituted by NRPC to guide and assist it in conducting the functions assigned to it.

(t) ‘System study Sub-Committee’ means a sub-committee constituted by NRPC to carry out the Power System studies.

(u) ‘Technical Coordination Sub-Committee (TCC)’ means a sub-committee constituted by the NRPC to assist the NRPC on all technical, commercial and other matters.

(v) ‘TeST Sub-Committee’ means a sub-committee constituted by the NRPC to assist the NRPC on all Telecommunication, SCADA & Telemetry related issues.

(w) ‘Year’ means Financial Year.

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

2.3. Reference to any Acts, Rules and Regulations shall include amendments or consolidation or re-enactment thereof.

3. Functions of NRPC

3.1. The committee shall carry out following functions:

3.1.1 To undertake Regional Level operation analysis for improving grid performance.

3.1.2 To facilitate inter-state/inter-regional transfer of power.

3.1.3 To facilitate all functions of planning relating to inter-state/ intra-state transmission system with CTU/STU.

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

3.1.5 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.

3.1.6 To undertake planning of outage of transmission system on a monthly basis.

3.1.7 To undertake operational planning studies including protection studies for stable operation of the grid.

3.1.8 To undertake planning for maintaining proper voltages through review of reactive compensation requirement through system study committee and monitoring of installed capacitors.

3.1.9 To evolve consensus on all issues relating to economy and efficiency in the operation of power system in the region.

4. Secretariat of NRPC

4.1. Secretariat, NRPC shall perform the following duties namely;

4.1.1. Keep custody of records of proceedings of the Committee, sub-committees, task force and working groups of the NRPC.

4.1.2. Prepare agenda for the Committee and Sub-Committee meetings.

4.1.3. Prepare minutes of Committee and Sub-Committee meetings.

4.1.4. Take follow-up action on the decision taken in the Committee & Sub-Committee meetings.

4.1.5. Maintain archive of data and information pertaining to commercial accounts, operating parameters, protection system and communication system of the regional power system.

4.1.6. Collect from constituent members or other offices, companies, firms or any other party as may be considered useful for the efficient discharge of functions of NRPC under the Resolution and place the information before the Committee and its sub-committees.

4.1.7. Certification of open cycle generation carried out by central sector gas-based stations.

4.2. The duties and responsibility envisaged under Indian Electricity Grid Code (IEGC) Regulations made by CERC, NRPC Resolution and NRPC from time to time shall be carried out by the NRPC Secretariat.

4.3. In line with the provisions of IEGC the details of functions are given below:

4.3.1. The Member Secretary, NRPC shall investigate and endeavour to resolve the grievance regarding unfair practices, delays, discrimination, lack of information, supply of wrong information or any other matter related to open access in inter-state transmission system.

4.3.2. The Member Secretary, NRPC shall, for the purpose of payment of transmission charges/ capacity charges and incentives, certify:

(i) Availability of Regional AC system and outage hours of HVDC transmission system.

(ii) Availability and Plant Load Factor for ISGS.

4.3.3. Member Secretary, NRPC, shall verify and take up the matter regarding persistent non-compliance of IEGC with the defaulting agency for expeditious termination of the non-compliance. NRPC Secretariat shall maintain appropriate records of such violation.

4.3.4. NRPC Secretariat is to carry out periodic inspection of Under Frequency Relays installed by the constituents and investigate cases of non-operation of such relays at set frequency in actual system operation.

4.3.5. The NRPC Secretariat shall review on monthly basis the Annual outage plan prepared by CEA in consultation with all parties concerned.

4.3.6. The NRPC Secretariat shall be responsible for analyzing the outage schedule given by all Regional Constituents, preparing a draft annual outage schedule and finalization of the annual outage plan for the following financial year by 31st December of each year.

4.3.7. Any other responsibilities assigned by CERC/ CEA Regulations/ NRPC Resolution shall also be carried out by secretariat.

4.4. **Human Resources**

4.4.1. Officers and staff to man the Secretariat shall be provided by CEA. As and when CEA is unable to provide requisite number of Group “C” or “D” officials, the vacant posts shall be got outsourced through competitive bidding route for a period up to two (2) years or until CEA provides the manpower. Their remuneration shall be within the ambit of “Minimum Wages Act, 1948”.

4.4.2. Member Secretary is also empowered to appoint personnel in case of shortage of staff at other levels on secondment basis.

4.4.3. For discharging the functions other than those assigned by the Resolution, NRPC may hire adequate number of persons, experts or consultants.

4.4.4. For the purpose of handling NRPC fund, Member Secretary shall appoint one nodal officer from the constituents of NRPC on secondment basis. In the absence of nodal officer from NRPC constituent, MS, NRPC can temporarily appoint one officer of NRPC Secretariat to handle NRPC fund.

4.5. **Contribution towards NRPC Fund**

4.5.1. An NRPC fund shall be maintained from contributions from members of NRPC for a particular year. A nodal officer shall be appointed as per clause 4.4.4. for the purpose of handling this fund.

4.5.2. The constituents shall deposit their contributions towards NRPC fund, based on the figures approved in the first NRPC meeting held in that financial year. The fund shall be utilized for reimbursement of budgetary allocation from Government of India, expenditure for conducting various meetings/training programs, expenditure for maintenance of NRPC Secretariat, hiring of additional staff/consultants, or any other expenditure as approved by the NRPC forum. Any surplus/ deficits of a particular year shall be adjusted in the subsequent financial year.

4.5.3. All the member constituents of NRPC except CEA, NLDC, NRLDC and CTU[1] shall equally share the expenditure of NRPC Secretariat.

~~4.5.4. Chairperson, NRPC shall appoint a committee of officers belonging to NRPC constituents, as well as external auditors to audit the NRPC fund during each year and reports for the same shall be placed before NRPC forum.~~ Audit shall be done as per SOP issued by Central Electricity Authority and reports for the same shall be placed before NRPC forum.

5. Furnishing of data / information to Secretariat of RPC

5.1. NRLDC and the constituents of the region shall make available all data / information required by the Secretariat to discharge its functions or to carry out any other responsibility / function assigned to it by the Authority / Commission / Committee. It shall also be responsibility of the constituents to ensure that any data though not specifically asked for by the Secretariat, but which may be required for the specific responsibility / function assigned to the Secretariat is also made available to the secretariat.

5.2. NRLDC shall provide to Member Secretary, NRPC a computer terminal to have a view of all the parameters in real time frame of Northern Regional grid system.

6. Chairperson of NRPC

The Chairperson of NRPC would be appointed as per ‘Government Resolution’.

7. Website of NRPC

The NRPC shall have its own website which shall be maintained by NRPC Secretariat.

[1] To be finalized after consultation with CEA / MoP.

CHAPTER-II: PROCEDURE FOR CONDUCTING NRPC MEETINGS

8. Place and date of NRPC Meeting

8.1. The place and date of the meeting will be decided by Member Secretary, NRPC in consultation with Chairperson, NRPC. The meeting will generally be held within the region.

8.2. Meeting will be hosted by the member organizations as per the roster prepared by Member Secretary, NRPC in consultation with the members of the NRPC.

8.3. In case the situations are not conducive for physical meetings, the meetings will be conducted through Video Conferencing.

9. Periodicity of meetings

9.1. The Committee members shall **meet at least once in a month**, as per para-11 of "Resolution". However, the Committee may meet to discuss any issue as and when required in consultation with Chairperson, RPC.

10. Notice for the Committee meetings and Agenda

10.1. Notice for the Committee meetings shall be issued by Member Secretary, NRPC at least 3 weeks in advance in consultation with Chairperson, NRPC. In case of exigency or meeting through video conferencing, meetings required to be conducted to carry out urgent business, notice of one week is to be given.

10.2. The agenda points for the meeting shall be sent to the Member Secretary by the members at least 2 weeks in advance of the meeting. The member Secretary, NRPC shall finalize the agenda and circulate the same to all its members at least 1 week in advance and also be posted on the website.

10.3. Normally, NRPC shall meet to discuss the agenda related to transmission planning submitted by CTU on monthly basis. Discussions other than those related to transmission planning shall generally be put up after discussions in Technical Co-ordination Sub-Committee (TCC) which will be held as and when required.

10.4. Member Secretary, NRPC may also put any agenda involving urgent matters / policy issue directly before NRPC in consultation with Chairperson, NRPC.

10.5. Member Secretary, NRPC may convene a meeting on short notice on any urgent matter in consultation with Chairperson of the committee.

10.6. On receipt of specific request from a member too, Member Secretary, NRPC may convene a meeting in accordance with clause 10.5 above.

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

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

12. Cancellation / re-scheduling of Meeting

12.1. If a meeting is required to be cancelled or rescheduled the same shall be intimated to the members at the earliest by e-mail and also posted in NRPC website immediately.

13. Quorum of NRPC Meeting

13.1. The Quorum of the meeting shall be at least 50% of its members.

13.2. All decision in the NRPC shall be taken by consensus.

13.3. The decisions / ratifications made by the Committee during the meeting with the above quorum shall be treated as final.

13.4. The decision of the NRPC arrived at for Operation of the Regional Grid and Scheduling and dispatch of electricity shall be followed by Northern Regional Load Despatch Centre (NRLDC) subject to the directions or regulations of the Commission.

13.5. Only members of NRPC and not more than two representatives of his organization shall participate in the Committee meeting. Other persons may attend the meeting by invitation / permission only. However, voting rights will be available only to the Members of NRPC.

14. Presiding Authority

14.1. The Chairperson, NRPC shall preside over the meeting of NRPC and conduct business. The Member Secretary, NRPC shall assist the Chairperson of NRPC in conducting the meeting. If the Chairperson is unable to be present at the meeting for any reason, the senior member of NRPC from the State utilities present in the meeting shall be requested by Member Secretary to preside over the meeting.

14.2. In the absence of Member Secretary, NRPC the next senior most officer of the NRPC Secretariat shall convene the meeting.

15. Recording of the minutes

15.1 The minutes of the meeting shall be finalized and circulated to all its members by the Members Secretary, NRPC within 15 working days from the date of the Committee Meeting. The minutes shall also be posted on the website of NRPC.

15.2 The discussions during the meeting shall be Audio recorded and the record shall be kept at the secretariat of NRPC till the confirmation of the minutes. The member organization hosting the meeting shall extend all facilities for audio recording of the proceedings of the meeting.

16. Confirmation of the Minutes

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

CHAPTER-III: SUB-COMMITTEES OF NRPC

17. Constitution of Sub-Committees of NRPC

17.1. Following Sub-Committees will be constituted by NRPC to guide and assist it in conducting the functions assigned to it:

(a) Technical Co-Ordination Sub-Committee (TCC)

(b) Operation Co-Ordination Sub-Committee (OCC)

(c) Commercial Sub-Committee (CC)

(d) Protection Sub-Committee (PC)

(e) System Study Sub-Committee

(f) LGBR Sub-Committee

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

17.2. NRPC or Member Secretary, NRPC or any Sub-Committee may constitute task force, core group for specific purpose from among the members and external experts to advice on any specific issue.

18. Technical Co-Ordination Sub-Committee (TCC)

18.1. **Functions**:

18.1.1. Technical Co-ordination Sub-Committee, shall consider all issues referred by the Operation Co-Ordination Sub-Committee, Commercial Sub-Committee, Protection Sub-Committee, System Study Sub-Committee, LGBR Sub-Committee and TeST Sub-Committee concerning operation of regional grid, commercial aspects, inter-state/ inter-regional transfer of power, grid stability etc. leading to economy and efficiency in the operation of power system in the region.

18.1.2. TCC shall implement the decisions of the NRPC and also provide guidance and assist NRPC in discharge of its functions and formulation of policy matters on regional grid operation, grid security, and commercial matters.

18.2. **Composition of Technical Co-ordination Sub-Committee:**

18.2.1. TCC shall be represented by the Technical Members of the NRPC constituents dealing with the Generation / transmission / Distribution and representative from Central Electricity Authority. The representation shall be at the level of Technical Heads in State Utilities, Executive Directors / Chief General Managers or equivalent in PSUs / Technical Heads of Distribution company / Traders / IPPs and Chief Engineer in CEA.

18.2.2. Chairperson, NRPC from their concerned State shall appoint the Chairperson of TCC. Chairperson, TCC shall be rotated every year from among the States in the same order as Chairperson of NRPC.

18.3. **Meetings:**

18.3.1. TCC shall meet as and when required, and put up its recommendations to the NRPC.

18.3.2. TCC shall meet separately also as and when needed to address urgent issues or specific issues, if any, concerning the operation of regional grid, security of the grid, commercial matters and other issues.

18.3.3. The Chairperson of the TCC shall preside over the meeting. In case Chairperson is unable to be present, Member Secretary, NRPC shall request a person among TCC members to preside over the meeting.

18.3.4. Member Secretary, NRPC shall assist Chairperson, TCC in conducting TCC Meeting.

19. Operation Co-Ordination Sub-Committee (OCC)

19.1. **Functions:**

Operation Co-ordination Committee(OCC) shall discuss all issues related to operation of the regional grid viz. estimating availability of power and energy from each power station and demand of each State for the current and next month; drawing up coordinated maintenance schedule for generating units and major transmission lines; reviewing operational discipline and its norms to be observed by constituents; reviewing the operation of Automatic Under-Frequency Relays; discussing system occurrences, if any, during the previous month and reviewing the status of implementation of the recommendations of the Inquiry Committees; monitoring / reviewing violation of provisions of IEGC related to grid operation; discussing / reviewing measures for ensuring economic grid operation including optimisation of energy transfer with other regions; examining possibility of optimising intra-regional energy exchanges; discussing optimisation of energy transfer with other regions; and any other matter referred by the TCC/NRPC.

19.2. **Composition of Operation Co-Ordination Committee:**

19.2.1. OCC shall be represented by the representatives of the constituent members of NRPC. The nominated representative shall be at the level of Chief Engineers in State Utilities/ General Manager in CPSEs or equivalent level conversant with operational issues.

19.2.2. Member Secretary, NRPC shall be Chairperson of the OCC and preside over the meetings. Superintending Engineer of secretariat shall be convener of the OCC.

19.3. **Meetings:**

The meeting will be held every month generally before 20th day of that month.

20. Commercial Sub-Committee (CSC):

20.1. Functions:

Commercial Sub-Committee(CSC) shall discuss all commercial related issues viz. energy accounting, schemes required for inclusion in the Bulk Power Supply Agreements, requirement of power from the new projects, installation of special energy meters and its cost sharing, etc., metering aspects, reviewing of the payments towards Regulatory accounts, issues related to transmission charges, commercial issues in inter-state and inter-regional exchange of power, issues concerning settlement of payments among constituents, if any, etc. and any other matter referred by the TCC/NRPC. Commercial Committee shall audit the Regional Energy Accounts and DSM, Reactive Energy and other Pool Accounts.

20.2. Composition of Commercial Sub-Committee (CSC):

20.2.1. Commercial sub-committee shall be represented by the representatives of the constituent members of RPC.

20.2.2. The nominated representative shall be at the level of Chief Engineers in State Utilities/ General Manager in CPSEs or equivalent level conversant with commercial issues.

20.2.3. Member Secretary, NRPC shall be Chairperson of the CSC and preside over the meetings. Superintending Engineer of secretariat shall be convener of the CSC.

20.3. Meetings:

The meeting will be held quarterly or as and when required to address the issues of urgent nature.

21. Protection Sub-Committee (PSC)

21.1. Functions:

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

21.2. Composition of Protection Sub-Committee:

21.2.1. Protection Sub-Committee shall be represented by constituent members of NRPC.

21.2.2. The nominated representative shall be at the level of Chief Engineers in State Utilities/ General Manager in CPSEs or equivalent level and concerns with power system protection / testing in the region.

21.2.3. Member Secretary, NRPC shall be Chairperson of the PC and preside over the meetings. Superintending Engineer of secretariat shall be convener of the PC.

21.3. **Meetings:**

The meeting will be held quarterly or as and when required to address the issues of urgent nature.

22. System Study Sub-Committee (SSC):

22.1. **Functions:**

System Study Sub-Committee shall carry out following system studies:

i. Studies for assessment of the quantum of capacitors required in the region taking into account the expected additions in the generation and transmission systems and the low voltage conditions in the system.

ii. Studies for review of reactive compensation requirement.

iii. Operational load flow studies, as and when required, for peak conditions off peak conditions etc.

iv. Short-circuit studies as and when required.

v. Transient stability studies for major events like grid disturbances or other issues periodically or as and when requested by the constituent(s).

vi. System studies related to transmission constraints.

vii. Studies specific to high / low voltage conditions with specific reference to reactors or capacitors operation / requirement.

viii. Identification of requirement of reactors as and when required

ix. Co-relation of protection related issues from Studies as and when required.

x. Any other technical study referred by the NRPC/TCC.

22.2. **Composition Of System Study Sub-Committee:**

22.2.1. System Study Sub-Committee shall be represented by constituent members of NRPC.

22.2.2. The nominated representative shall be at the level of Executive Engineers in State Utilities / Deputy General Manager in CPSEs or equivalent level and conversant with issues related to system studies in the region.

22.2.3. Member Secretary, NRPC shall be Chairperson of the SSC and preside over the meetings Superintending Engineer of secretariat shall be convener of this Sub-Committee.

22.3. **Meetings:**

As and when required, as decided by the convener.

23. LGBR Sub-Committee

23.1. Functions:

LGBR Sub-Committee shall carry out the following functions in accordance with the provisions of Indian Electricity Grid Code:

i. Finalise annual outage plan of generating stations.

ii. Prepare anticipated power supply position for the next fiscal year.

iii. Periodic review of annual outage plan of generating stations and anticipated power supply position.

23.2. Composition of LGBR sub-committee:

23.2.1. LGBR Sub-Committee shall be represented by constituent members of NRPC.

23.2.2. The nominated representative shall be at the level of Chief Engineers in State Utilities/ General Manager in CPSEs or equivalent level and conversant with issues related to system studies in the region.

23.2.3. Member Secretary, NRPC shall be the Chairperson of the LGBR Sub-Committee and preside over the meetings. Superintending Engineer of secretariat shall be convener of the LGBR Sub-Committee.

23.3. Meetings:

Meetings will be held as and when required to be decided by the convener.

24. Telecommunication, Scada & Telemetry (TeST) Sub-Committee

24.1. Functions:

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

24.2. Composition of TeST Sub-Committee:

24.2.1. TeST Sub-Committee shall be represented by constituent members of NRPC.

24.2.2. The nominated representative shall be at the level of Chief Engineers of State Utilities/General Manager of CPSEs or equivalent level and conversant with Telecommunication, SCADA & Telemetry in the region.

24.2.3. Member Secretary, NRPC shall be Chairperson of the TeST Sub-Committee and preside over the meetings. Superintending Engineer of secretariat shall be convener of the TeST Sub-Committee.

24.3. Meetings:

The meeting will be held as and when required to be decided by the convenor.

25. Renewable Energy Sub-Committee (REC)

25.1 Functions:

RE Sub-Committee shall meet to deliberate upon issues related to Renewable Energy resources, its integration in grid, evacuation and other related issues.

25.2 Composition of RE Sub-Committee:

25.2.1 RE Sub-Committee shall be represented by constituent members of NRPC.

25.2.2 The nominated representative shall be at the level of Chief Engineers of State Utilities/General Manager of CPSEs or equivalent level and conversant with Renewable Energy domain in the region.

25.2.3 Member Secretary, NRPC shall be Chairperson of the RE Sub-Committee and preside over the meetings. Superintending Engineer of secretariat shall be convener of the RE Sub-Committee.

25.3 Meetings:

25.3.1 The meeting shall be held at least once in a quarter.

CHAPTER-IV: PROCEDURE FOR CONDUCTING SUB-COMMITTEE MEETINGS OF NRPC

26. Conducting of Sub-Committee Meetings, issue of Notice, Agenda & its Minutes

26.1 The notice for the above sub-committee meeting shall be issued at least 15 days before the date of meeting and agenda points one week before the meeting by the NRPC Secretariat. However, when the meeting is to be held through video conferencing, this period may be reduced to 10 days and 3 days respectively. The minutes of the meeting shall be finalized by Member Secretary and issued by NRPC Secretariat within 15 working days of the meeting.

26.2 The decision of the Committee arrived at for Operation of the Regional Grid and other above functions shall be implemented by the Constituents. In case the Sub-committee recommends the matter to the TCC / NRPC, for further deliberation or decision, the same shall be referred by NRPC secretariat to TCC/ NRPC.

26.3 The meetings will be conducted at the place and venue preferably located in the Region to be decided by Member Secretary, NRPC. In case the situations are not conducive for physical meetings, the meetings will be conducted through Video Conferencing.

26.4 Meeting may be hosted by the member organizations as decided by Member Secretary, NRPC in consultation with the members of the sub-committee. All the arrangements required for conducting the meeting shall be made by the host member organisation.

CHAPTER-V: Operation of "NRPC-Fund"

27. NAME:

The name of the fund shall be "NRPC-Fund". The fund is accumulated amount of contribution fee collected from constituent members of NRPC.

28. PURPOSE:

i) The fund shall be utilized for meeting the reimbursement of the actual expenditure incurred (from budget provided by Central Electricity Authority) by the office of the NRPC Secretariat to the consolidated fund of Govt. of India/CEA through DDO, NRPC;

ii) The fund shall be utilized for meeting the expenditure in the conduct of NRPC meetings, workshops, seminars etc.;

iii) The fund shall be utilized to meet any other office expenditure considered necessary by Member Secretary, for efficient working of NRPC Sectt., with the approval of Chairman, NRPC;

iv) The fund shall be used for meeting expenditure of NRPC Secretariat as per SOP issued by CEA.

29. CONTRIBUTION:

All the Members and rotational members except the following shall contribute equally on annual basis, which shall be decided every year in NRPC meeting based on review of actual expenditure of the previous year and estimated expenditure in current/next year:

i) NLDC/NRLDC/SLDCs

ii) Member (Go&D), CEA

iii) MS, NRPC

iv) Exempted by MoP

30. OPERATION:

The fund will be maintained with any Nationalized bank in the name of Northern Regional Power Committee (NRPC) and operate jointly by the nodal officer from the Constituent member along with two more signatory to be nominated with the approval of Member Secretary, NRPC on behalf of NRPC Members. The operation of account will be done under the administrative control / supervision of Member Secretary. All transaction from this account shall be through Cheque/NEFT/RTGS only.

31. MAINTENANCE OF ACCOUNTS:

The account of all the expenditure/receipts shall be maintained by the nodal officer (as per para 29 above) on behalf of NRPC Member. Such officer shall also maintain a cash book etc., where in details of all receipts and expenditure shall be recorded.

32. VERIFICATION OF ACCOUNTS:

The “NRPC – Fund” account for each financial year shall be audited as per SOP issued by CEA.

CHAPTER-VI: REPORTS

33. REPORTS BY NRPC

33.1 The following reports shall be prepared and furnished by NRPC secretariat**:**

S. No.	Name of the report	Periodicity
1	Monthly Progress Report Northern Regional Grid / Operational Data	Monthly
2	Annual Report of NRPC	Annual

CHAPTER-VII: MISCELLANEOUS

34. Saving of inherent Power of the NRPC

34.1 Nothing in these Rules shall bar the NRPC from adopting in conformity with the Act a procedure that is at variance with provisions of these Rules, if the NRPC in view of the special circumstances of a matter or class of matters deem it necessary or expedient to deal with such a matter or class of matters.

34.2 Nothing in these Rules shall expressly or by implication, bar the NRPC to deal with any mater or exercise any power under the Act for which no Rules have been framed and NRPC may deal with such matters, and functions in a manner it thinks fit.

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A.16 Approval for hiring of manpower outsourcing service at NRPC Sectt. for FY 2023-2024 (agenda by NRPC Sectt.)

A.16.1 NRPC Secretariat apprised that Manpower outsourcing services contract in NRPC Secretariat was awarded to M/s Sai A1 Services vide GeM contract no. GEMC-511687772080643 dated 10.05.2022 for the period 11.05.2022 to 10.05.2023 at total contract value of Rs.43,70,625.84 incl. GST. The contract was extended for 3 months i.e. from 11.05.2023 to 10.08.2023.

A.16.2 Before the extended contract expires, fresh tendering is required to be done on GeM for FY 2023-24 for a period of one year. The estimated cost of Rs. 43,86,989/-, incl. of GST (as per the present minimum wages). Details of manpower resources and its calculations are attached at **Annexure-VIII.**

A.16.3 As the amount is more than 25 lakhs, approval is required from the NRPC forum as mentioned in Standard Operating Procedure (SOP) as approved by CEA vide letter no. 1/1/2023-Bud(CEA)/1302-1308 dated 01.05.2023. This SOP was also communicated to members in the last NRPC meeting.

Decision of the Forum:

Forum approved the proposal for hiring of the manpower outsourcing service for the NRPC sectt. at an estimated cost of Rs. 43,86,989/-, incl. of GST.