



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 (53वीं)/2022/ 3025-3072

दिनांक : 26/04/2022

सेवा में / To,

उ.क्षे.वि.स. के सभी सदस्य (संलग्न सूचीनुसार)
Members of NRPC (As per List)


विषय: उत्तर क्षेत्रीय विद्युत समिति की 53^{वीं} बैठक की अतिरिक्त कार्यसूची ।
Subject: 53rd meeting of Northern Regional Power Committee – Additional Agenda.

Madam/Sir,

उत्तर क्षेत्रीय विद्युत समिति की 53^{वीं} बैठक दिनांक 29 अप्रैल, 2022 को 1100 बजे विडियो कॉन्फ्रेंसिंग के माध्यम से आयोजित की जाएगी । बैठक की अतिरिक्त कार्यसूची संलग्न है।

The 53rd meeting of Northern Regional Power Committee (NRPC) will be held at **1100 Hrs** on **29th April, 2022** via video conferencing. Additional agenda for the same is attached.

भवदीय
Yours faithfully,


(नरेश भंडारी) 26/4/22
(Naresh Bhandari)
सदस्य सचिव
Member Secretary

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उत्तरी क्षेत्रीय विद्युत समिति की 53^{वीं} बैठक

53rd MEETING OF NORTHERN REGIONAL POWER COMMITTEE

Time & Date of NRPC meeting: 29th April, 2022 (11:00 hrs. onward)

Venue: Video Conferencing

ADDITIONAL AGENDA

AA.1 Replacement of reactors and transformer under Add-Cap 2019-2024 (Agenda by POWERGRID)

AA.1.1 During 51st NRPC meeting, POWERGRID requested for replacement of 420kV 50MVAR Agra Line Reactor at Kanpur substation and 420kV 50MVAR Lucknow Line Reactor at Bareilly substation installed in Singrauli Transmission System under Add-Cap 2019-24.

AA.1.2 It was also discussed during the 51st NRPC meeting that POWERGRID may prepare a comprehensive proposal instead of bringing proposal in piecemeal manner.

AA.1.3 POWERGRID had carried out assessment of around 60 transformers & reactors which have already crossed or were approaching the end of useful life (25 years from commissioning) in Northern Region. After the internal assessment, a total of 24 equipments were identified for residual life assessment through CPRI, Bangalore. CPRI has done the detailed Residual Life Assessment Studies based on various diagnostic test parameter results available and has also recommended some additional detailed & advanced testing on case to case basis. CPRI has recommended for replacement of following 06 equipment (Transformers – 2 & Reactors – 4):

1. 02 nos. 400/220kV 150MVA single-phase ICT units at Panipat (BBMB): The said units had already completed 36 years of service.

2. 420kV 50MVAR Reactor at Kanpur, 420kV 50MVAR Reactor at Agra, 420kV 50 MVAR Reactor at Bareilly & 420kV 80 MVAR Reactor at Ballabgarh: The Reactor at Kanpur has completed 38 years, Reactors at Bareilly & Ballabgarh have completed 32 years & Reactor at Agra has completed 25 years of service.

AA.1.4 In view of the, following equipments are proposed to be replaced:

SL. No	Equipment Details	Project	Installation Date	Age as on 31/03/22	Remarks/ Present Proposal
1	400kV 50MVAR 3-Ph Lucknow UPPCL LR at Bareilly S/S	Singrauli TS	05/04/89	33.01	During 5th CMETS-NR, it was agreed to install 80MVAR LR at Bareilly end on 400kV Bareilly UPPCL Line as per system requirement. It is proposed to be replaced.
2	400kV 50MVAR 3-Ph Agra LR at Kanpur S/S	Singrauli TS	10/05/84	37.92	During 5th CMETS-NR, it was agreed to replace 50MVAR LR at Kanpur end on 400kV Kanpur-Agra line. It is proposed to be replaced.
3	400kV 16.67 MVAR 1-Ph Bhiwadi-1 L/R-Y at Agra S/S	Rihand TS	28/03/97	25.02	Single-phase reactors (03 nos.) replaced with 3-Ph 50MVAR reactor as contingency arrangement due to failure of one single phase reactor. It is proposed to be replenished.
4	400kV 80MVAR 3-Ph Bus Reactor at Ballabgarh S/S	Rihand TS	23/06/89	32.79	Needs replacement as recommended by CPRI. It is proposed to be replaced.
5	400/220kV 150MVA 1-Ph ICT R- Ph at Panipat S/S	Rihand TS	04/05/85	36.93	All single-phase units replaced with 3-Ph 500MVA ICT as contingency arrangement due to failure of two single phase unit. It is proposed to be replenished.
6	400/220kV 150MVA 1-Ph ICT Y-Ph at Panipat S/S	Rihand TS	04/05/85	36.93	

AA.1.5 Accordingly, Replacement of above equipment is proposed under ADD-CAP 2019-2024. The CPRI reports have already been submitted as advised in last meeting.

Members may kindly deliberate and approve.