



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली परियोजना प्रबोधन प्रभाग
Power System Project Monitoring Division

सेवा में,
(संलग्न सूची के अनुसार)

विषय: Minutes of meeting held under the chairmanship of Chief Engineer (PSPM), CEA to review the progress of Associated Transmission System of Patratu STPP (3x800 MW) on 05.08.2024 in CEA -Reg.

महोदय,

पतरातू एसटीपीपी (3x800 MW) एसोसिएटेड ट्रांसमिशन सिस्टम की प्रगति की समीक्षा के लिए Chief Engineer (PSPM), CEA द्वारा 05.08.2024 को ली गई बैठक का कार्यवृत्त संलग्न है।

संलग्नक: यथोपरी।

भवदीय,

करन
09/08/2024
(Karan Sareen)
Asst. Director

Address list:

S. No.	Address
1.	Chairman, DVC
2.	CMD, POWERGRID
3.	CMD, NTPC, NTPC Bhawan, Scope Complex, Institutional Area, Lodhi Road, New Delhi – 110003 Email: cmd@ntpc.co.in , ntpccc@ntpc.co.in
4.	Managing Director, Jharkhand Urja Sancharan Nigam Limited, JUSNL Building, Kusai Colony, Doranda, Ranchi – 834002, Email: md@jusnl.in
5.	CEO, Patratu Vidyut Utpadan Nigam Limited, Patratu, P.O: PTPS Patratu, Distt. Ramgarh, Pin - 829119 (Jharkhand) Email: ceopatratu@ntpc.co.in

Copy to:

1. Director(Trans.), MoP, Shram Shakti Bhawan, New Delhi-110086,
2. PPS to Member(PS), CEA

Minutes of meeting taken by Chief Engineer (PSPM), CEA on 05.08.2024 to review the progress of Associated Transmission System (ATS) of Patratu STPP (3x800MW) in Jharkhand State.

A meeting was held on 05.08.2024 in CEA under the Chairmanship of Chief Engineer (PSPM), CEA to review the progress and pending issues of Associated Transmission System (ATS) of Patratu STPP (3x800MW) in Jharkhand State.

The list of the participants is enclosed at **Annexure-I**.

Chief Engineer (PSPM), CEA welcomed all the participants and requested NTPC for a brief presentation (enclosed as **Annexure-II**) on the pending issues.

Representative of NTPC informed that completion of 400 kV Quad Moose Katia (Patratu)-PVUNL line is required for evacuation of power from 1st Unit (SCOD: Sep'24). For evacuation from 2nd (SCOD: Mar'25) and 3rd units (SCOD: Sep'25), designated ATS lines, PVUNL-Koderma and PVUNL-Chandil were planned but these lines are expected to be delayed. Alternatively, completion of 400 kV Katia-Latehar and Latehar-Chandwa lines is critical for evacuation of power from 2nd and 3rd Units. The progress of following elements connected, directly or indirectly, with Patratu Power Plant was deliberated in the meeting and the status of these elements as informed by the utilities is as below:

Element (transmission line/SS)	Present Status	Remarks/Issues (if any)	Decision
400 kV Quad Moose Katia (Patratu)-PVUNL GIS (6.601 km) (Being executed by JUSNL)	<ul style="list-style-type: none"> Foundation: 12/27 (all 12 in non-forest area) Tower erection: 11/27 Stringing: 1.5/6.6 km Stage-I clearance on 16.05.2024. 	<ul style="list-style-type: none"> Working Permission is required for balance work of 15 Nos foundation, tower erection & stringing in forest area. Forest authorities has asked JUSNL to obtain stage-II for earlier completed projects before this project can be processed. Minimum time for completion : 3 Months Transmission line is critical for Unit #1 synchronisation of STPP(planned in Sept-2024) 	<p>JUSNL to submit compliance against Stage-II forest clearance for earlier projects latest by Aug' 2024 and take up with the forest department to expedite the Stage-II clearance.</p> <p>POWERGRID to provide necessary documents for the projects executed by them for JUSNL.</p> <p>[Action: POWERGRID/J</p>

			USNL]
400 kV D/C PVUNL- Koderma (130 km) (Being executed by JUSNL)	<ul style="list-style-type: none"> • Awarded to L&T on 20.07.2023. • Go-ahead for the Route (inside PVUNL area) on 16.04.2024. • Work progress - 18/305 foundations • Request for FRA-NOC submitted to District authority. 	<ul style="list-style-type: none"> • Approx. 191 locations (270 Ha) in forest area. • As per previous experience of delay in forest approval this transmission line may take minimum 3 Years. • Land Survey Detail (LSD) verification from CO/DFO is pending. 	JUSNL is requested to submit proposal of forest clearance latest by Oct' 2024. [Action: JUSNL]
400 kV D/c PVUNL- Chandil (127km) (Being executed by JUSNL)	<ul style="list-style-type: none"> • Awarded to MEIL on 20.07.2023. • Go-ahead for the Route (inside PVUNL area) on 07.03.2024. • Work progress - 22/390 foundations. 	<ul style="list-style-type: none"> • As per previous experience of delay in forest approval this transmission line may take minimum 3 Years. • Land Survey Detail (LSD) verification from CO/DFO is pending. 	JUSNL is requested to submit proposal of forest clearance latest by Oct' 2024. [Action: JUSNL]
400 kV Katia (Patratu) S/S (Being executed by POWERGR ID)	<ul style="list-style-type: none"> • ICT-1 Charged in Aug-23 • ICT-2 received in July'24 • Civil work in progress 	<ul style="list-style-type: none"> • Availability of 220/132/33kV Bays by Dec'24 will help in power evacuation of PTPS. • Dismantling of Old PTPS switchyard is required for Stage II expansion, this can be done only after availability of 220/132/33kV Bays at Katia S/S 	Target for completion of 400 kV Katia (Patratu) S/S by Dec'24 [Action: POWERGRID]

<p>400kV Twin Moose Katia- Latehar (JUSNL)</p> <p>(Being executed by POWERGR ID)</p>	<ul style="list-style-type: none"> • Foundation: 188/304 • Tower erection:48 /304 • Stringing: 4.8/107 kms 	<ul style="list-style-type: none"> • 29 foundations are in forest area. • Forest proposal returned to user agency by RMOEF Ranchi on 30.08.2023. Fresh proposal to be submitted. • Tower materials theft (approx. Rs. 57.35 Cr). Issue referred to CCIE for resolution of theft issue. 	<p>POWERGRID to submit forest proposal by 16.08.2024.</p> <p>[Action: POWERGRID]</p>
<p>400kV Quad Moose Latehar- Chandwa (JUSNL)</p> <p>(Being executed by POWERGR ID)</p>	<ul style="list-style-type: none"> • Foundation: 125/125 • Tower erection: 121/125 • Stringing: 36 /41.8 kms 	<ul style="list-style-type: none"> • Tower material theft (approx. Rs. 41.9 Cr.). Issue referred to CCIE for resolution of theft issue. • 34.7 Km Line antitheft charged. 	<p>Target for completion of this element by Sep'24</p> <p>[Action: POWERGRID]</p>
<p>Diversion of 132 kV Patratu – North Karanpura line (DVC) from ash mound area of PVUNL</p>	<ul style="list-style-type: none"> • JUSNL assigned the work to POWERGRID. • POWERGRID want to use own design for towers while DVC requesting to use their design. 	<ul style="list-style-type: none"> • Line is passing through severe RoW area. • Work of Ash Mound may not be started without diversion of this line. • 6 months' time from approval date will be required to complete the work. 	<ul style="list-style-type: none"> • POWERGRID to use own design for towers. It agreed to provide one spare of all the types of tower to be used in this diversion along with the shop fabrication drawings. • DVC was requested to submit the approved diversion plan of diversion to JUSNL within

			<p>15 days of this meeting.</p> <ul style="list-style-type: none"> • Target for completion: Jan' 25 <p>[Action: POWERGRID/D VC/JUSNL]</p>
<p>Diversion of 132 kV Hatia-PTPS line from ash mound area of PVUNL</p>	<ul style="list-style-type: none"> • At present line is being used for construction power. 	<ul style="list-style-type: none"> • Line is passing through severe RoW area. • Diversion is required as work of Ash Mound of PTPS is already awarded and Agency already mobilized at site. 	<p>NTPC informed that complete dismantling of this line is being considered after completion of Katia s/s which will provide construction power.</p>

After detailed deliberations, it was observed that progress of transmission lines required for evacuation of power from PVUNL plant is very slow due to many issues such as material theft, delay in getting forest clearance, delay in finalization of diversion works and implementation of ATS will not match the timeline of power evacuation requirement of PVUNL.

Chief Engineer (PSPM), CEA highlighted that this project is of Jharkhand Govt. and the power evacuation from this project will benefit the State of Jharkhand. He requested JUSNL and POWERGRID to expedite the work of above transmission lines so that the project gets completed at the earliest and any further delay in the power evacuation from Patratu STPP (3x800MW) may be avoided.

Meeting ended with vote of thanks.

List of Participants

CEA

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|---------------------------|------------------------------------|
| 1. Shri Y.K. Swarnkar | Chief Engineer (PSPM) ----in chair |
| 2. Shri SM Aimol | Director (PSPM) |
| 3. Shri Yadav Manoj Kumar | Dy. Director (PSPM) |
| 4. Shri Karan Sareen | Asst. Director (PSPM) |

POWERGRID

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|----------------------------|---------------|
| 1. Shri SVS Sathyanarayana | Sr. GM |
| 2. Shri Arkaprabha Debnath | Chief Manager |

DVC

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| 1. Shri Amit Kumar Sil | Sr. GM |
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NTPC Ltd./ PVUNL

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| 1. Shri B.D Dash | AGM |
| 2. Shri K. Ravi Kumar | AGM |

JUSNL/JUVNL

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| 1. Shri M.K Karmali | Director (Projects) |
| 2. Shri Praween Kumar | GM |