

I/32777/2024



सत्यमेव जयते



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भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

CEA Case No. : TN-693		
Induced Voltage (IV) calculation in respect of PTCC proposal for 765 kV D/C transmission line from proposed 765/400 kV North Chennai GIS Pooling Station to 765/400 kV Ariyalur (Villupuram) Substation (Reach I, II & III) (273.326 km) - regd.		
S. No	Reference No.	Dated
(i)	TANTRANSCO: SE/TR-I/EE/TSM/A1/F.PTCC/D.02/21	20.02.2021
(ii)	BSNL: Email	11.08.2023
(iii)	CEA: I/31130/2023	20.10.2023
(iv)	BSNL: SR-PTCC/STN 3024/05	21.10.2023
(v)	TANTRANSCO: CE/TR/SE/TR-I/EE/TSM/AEE1/F.PTCC/D.93/	21.12.2023
(vi)	CEA: E-mail	22.12.2023
(vii)	BSNL: E-mail	28.12.2023

The recommendation for issuance of provisional PTCC route approval certificate was issued vide CEA letter referred at S. No. (iii) on the basis of urgency shown by TANTRANSCO for charging of their line and the information received from BSNL vide e-mail dated 11.08.2023 regarding the delay in submission of their telecom details. Based on CEA's recommendation, BSNL vide letter referred at S. No. (iv) has issued the provisional RAC with a validity of 60 days.

Now, TANTRANSCO, vide letter referred at S. No. (v) (copy enclosed) has stated that the line could not be charged due to failure of current transformer at Ariyalur end and has requested for extension of their provisional PTCC RAC which has already expired.

The telecom details are still pending from BSNL and CEA vide E-mail dated 22.12.2023 has requested BSNL, for expediting the submission of Telecom details considering the urgency shown by TANTRANSCO for charging of their line. BSNL vide e-mail dated 28.12.2023 has informed that it would take at least 30 more days for submission of Telecom details and has proposed for extension of already issued provisional RAC.

Considering the above, necessary action for extension of already issued provisional PTCC route approval may be taken under intimation to this office. LF induction on telecommunication circuits of BSNL, will be communicated after the receipt of details from them.

This issues with the approval of competent authority.

Encl.: As above

Deputy Director

I/32777/2024

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle,1st Floor, Raj Bhavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032	With a request to forward telecom details at the earliest for IV calculation and EPR zone verification
2.	Chief Engineer/Transmission (FAC)	TANTRANSCO, 5 th floor, TANTRANSCO HQ, 144, Anna Salai, Chennai - 600002	With a request to follow up with BSNL for furnishing of respective TD to this office at the earliest

I/32777/2024

TAMILNADU TRANSMISSION CORPORATION

From
Er.T.Sivakumar,B.E.,
Chief Engineer/Transmission (FAC),
(Member/Power,SLPTCC),
5th Floor,TANTRANSCO HQ,
144,Anna Salai,
Chennai-600 002.

To
The Director/CEA,
LD & Telecommunications Division,
18-A,Shaheed Jeet sing S.Marg,
New Delhi-110016.

Lr.No.CE/TR/ SE/TR-I/EE/TSM/AEE1/F.PTCC/D.No. 93 /dt. 21 .12.2023

Sir,

Sub:- PTCC Route approval for the erection of 765KV DC line with Hexa Zebra ACSR Conductor from the proposed North Chennai 765/400KV GIS Pooling Station to Ariyalur (Villupuram) 765/400KV SS (Reach I,II & III) – Provisional RAC-PTCC clearance validity expiring on 20.12.23 – Extension of time upto 31.3.2024- Requested – Reg.

- Ref:-i)Lr.No.CE/TR/SE/TR-I/EE/TSM/A2/F.Provisional RAC /D.56/2023, dt.25.7.23.
ii)Lr.No.CE/TR/SE/TR-I/EE/TSM/AEE1/F.PTCC /D.57/2023, dt.27.7.23.
iii)SR-PTCC/STN 3024/05 dtd@Chennai-32 the 21.10.23.
iv)Lr.No.CE/TR/SE/TR-I/EE/TSM/AEE1/F.PTCC/D.No.89/dt.13.12.2023.
v)SE/TR-I's e-mail dt.16.12.2023.

Kind attention is invited to the above references (i) & (ii) , wherein it was requested to arrange for issuance of the provisional RAC from the CEA/Delhi for 765KV DC line with Hexa Zebra ACSR Conductor from the proposed North Chennai 765/400KV GIS Pooling Station to Ariyalur (Villupuram) 765/400KV SS (Reach I,II & III). as the lines are to be commissioned which involves evacuation of Power, and the provisional RAC has been received vide the reference (iii).

Divisional Engineer Telecom, has issued the RAC subject to the undertaking given in the above reference (ii) that necessary documents would be submitted within a period of 60 days.

DE/PTCC was requested to issue the extension of time to the already provided Provisional Route Approval Certificate for further period upto 31.3.2024, since pending works are in progress with various agencies namely PGCIL, BSNL and communication works by TANTRANSCO vide the reference (iv) and the same was forwarded to CEA vide the reference (v).

Further it is to state that, 765 KV supply from Thiruvalem to Ariyalur is the source to charge Ariyalur to North Chennai Pooling Station. The 765 KV supply from Thiruvalem was charged on 20 .10.23 but unfortunately a failure of Current Transformer had occurred at Ariyalur end. Also a line reactor is being introduced at Thiruvalem end in Ariyalur feeder. The above rectification works had taken considerable time,due to which the 765 KV Ariyalur- North Chennai Pooling Station

I/32777/2024

lines could not be charged within 19.12.2023 (PTCC Route approval provisional clearance date). Further Michaung Cyclone delayed our commissioning schedule.

Now the end equipments at Thiruvallam, Ariyalur & North Chennai Pooling Station ends are ready and lined up for commissioning.

Also the 765 KV connectivity at North Chennai Pooling Station is very essential for Synchronising the 1x800MW NCTPS Stage-III new generating unit, which is now ready for oil firing and to connect with bars.

Hence considering the above factors it is requested to extend the provisional PTCC clearance for the period upto 31.3.2024 within which all statutory provisions would be arranged to be obtained and Submitted.

T. J. S. 21/12/23

Chief Engineer/Transmission(a/c)
&
Member/Power, SLPTCC