



PUNJAB STATE TRANSMISSION CORPORATION LIMITED

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To

CAO/F &A,
PSTCL, Patiala

Memo No.: 318 /P-1/275

Dated: 23.05.2024

Subject: PSERC Directives in the Tariff Order for FY 2023-24: Quarter ending March-2024.

Enclosed please find herewith compliance status of PSERC directives Sr. Nos. 5.2(Loaded Status of PSTCL Transmission Lines and Sub-station) and 5.4(Reactive Compensation) in the Tariff Order for FY 2023-24 for the quarter ending March-2024 as Annexure-A & B respectively. Annexure A & B shall be uploaded on PSTCL website www.pstcl.org.

This issues with the approval of worthy Director/Technical, PSTCL.

DA: As Above

Sr. XEN/Planning-1,
PSTCL, Patiala.

CC: -

- 319/20
2024
1. Chief Engineer/TS, PSTCL, Patiala
 2. ASE/Tech. to Director/Tech, PSTCL Patiala

PSERC Directive Sr. No. 5.2 (Loading Status of PSTCL Transmission Lines and Sub-station)Quarter ending March-2024

Sr no.	P&M Circle	Name of transmission line	% loading as compared with the standard design parameters of conductors i.e., 45°C Ambient temperature and 75°C Conductor temperature.	Remarks of P&M Organization	Proposal /remedial action by planning	
A) Loading status of PSTCL Transmission Lines						
1.	Amritsar	All the 220kV as well as 132kV transmission lines in Amritsar circle were loaded below 100%.				
2.	Bathinda	220 KV GNDTP Bathinda-GHTP Lehra-2	580 A at 20°C Ambient temperature (103.57%)	220 KV Lehra -1 CKT was under PTW during Months of January and February (8-1-24 To 21-2-24)	-	
3.	Ludhiana	220KV Ganguwal-Gobindgarh-2	575 A at 9°C Ambient temperature (102.68%)	Temporary (220KV Gobindgarh-1-Gobindgarh-2 & 220KV Gobindgarh-2 – Gobindgarh-3 both circuits are closed because the work of conductor replacing is under progress on dt. 19.12.2023 to till date)	-	

4.	Patiala	400kV Rajpura – 220kV Lalru Ckt-1	580A at 15°C Ambient temperature (103.57%)		Will be resolved after implementation of 220 kV D/C between 400 kV Panchkula and 220 kV Dera Bassi and LILO of 220kV Mohali-1-Lalru line at 220kV Mohali-2, already planned.
		400kV Rajpura – 220kV Lalru Ckt-2	579 A at 15°C Ambient temperature (103.39%)		
		220kV Rajpura-Rajpura ckt 1 (Fagan Majra)	616 A at 17°C Ambient temperature (110%)		Due to partial re-arrangement of transmission lines. The loading will reduce once the complete rearrangement of transmission lines in Patiala circle is implemented to control the overloadings in Patiala region.
		220kV Patran-Banvala Ckt-1	584 A at 35°C Ambient temperature (104.29%)		Augmentation of existing conductor with HTLS conductor has already been planned vide Amendment No. 32/2023-24 dated 23.01.2024.
		220kV Patran-Banvala Ckt-2	584 A at 35°C Ambient temperature (104.29%)		
5.	Jalandhar	132kV Chohal-Hoshiarpur	382 A at 12°C Ambient temperature (100.26%)	Temporary Load	-

PSERC Directive Sr. No. 5.4 (Reactive Compensation)

Quarter ending March-2024

Capacitor Banks:

PO no. 6104 dt. 22.11.2023 had been placed for the procurement of 2 no. 132kV Capacitor banks and PO no. 6105 dt. 22.11.2023 had been placed for the procurement of 51 nos. 11kV Capacitor banks and 55 nos. 66kV Capacitor banks. 1st lot of 11kV capacitor banks has been received in the PSTCL stores and 1st lot of rest of the capacitor banks are expected to be delivered by the end of June 2024.

Bus-Reactors:

PSTCL has commissioned 1 no. 125MVAR, 400kV Bus reactor at 400kV S/S Dhuri and 1 no. each of 25MVAR, 220kV Bus Reactor at 400kV S/S Dhuri and Nakodar.