



**PUNJAB STATE TRANSMISSION CORPORATION LIMITED**

Regd. Office: - PSEB Head Office, The Mall, Patiala – 147001, Punjab, India

O/o SE/Planning, PSTCL, Patiala.

Fax/Ph: - 0175-2205502, Email: - [se-planning@pstcl.org](mailto:se-planning@pstcl.org)

CIN - U40109PB2010SGCO33814

To

CAO/F &A,  
PSTCL, Patiala

Memo No.: 109 /P-1/275

Dated: 14-FEB-2024

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

Enclosed please find herewith compliance status of PSERC directives Sr. Nos. 5.2(Loadng 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 December-2023 as Annexure-A & B respectively. Annexure A & B shall be uploaded on PSTCL website [www.pstcl.org](http://www.pstcl.org).

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

**DA: As Above**

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

CC: -

110/11  
14-FEB-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 December-2023**

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
<b>A) Loading status of PSTCL Transmission Lines:</b> All the 220kV as well as 132kV transmission lines of PSTCL remain loaded below 100%.					
<b>B) Loading status of PSTCL substations:</b> All the 220kV as well as 132kV substations of PSTCL remain loaded below 100%.					

**PSERC Directive Sr. No. 5.4 (Reactive Compensation)**

**Quarter ending December-2023**

**Capacitor Banks:**

As per the consultancy report of March 2022 issued by CPRI on behalf of NRPC, the assessment of capacitors' requirement for Punjab is recommended as 941.3 MVAR. In this respect, the list of sub-stations/locations has been provided by the CPRI.

It has however, been gathered that most of the requisite capacitor banks have already been installed at the respective sub-stations. The operative condition of installed capacitor banks is being separately ascertained. The defective capacitor banks shall be replaced upon receipt of supply, as PO No. 6104 and 6105 both dated 22.11.2023 have already been placed for the procurement of various ratings of capacitor banks (11kV and 66kV) with the total capacity of 700 MVAR approx. Other than replacement of defective banks, new banks shall also be installed as per requirement.

**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.