

To

1. Dy. CE/Grid Construction, PSTCL, Ludhiana.
2. Dy. CE/TS (Design), PSTCL, Patiala.
3. Dy. CE/Civil Works, PSTCL, Patiala.
4. SE/TLSC, PSTCL, Patiala.

Memo No. **289/92** /P-I/366

Dated: **16/6/2022**

**Subject: Regarding rearrangement of connectivity of transmission lines in Patiala circle to control the existing overloading of certain lines.**

The scope of the work is planned as follows:

Sr. No.	Name of the work	Scope of work approved in MYT 2020-23 (with original Sr. Nos.)	Est. cost approved vide MYT 2020-23 [Includes EC @ 6.45% and IDC @ 8.82%] (in Cr.)	Proposed/Revised scope of work	Revised est. cost (in Cr.)	Remarks
(A)	(B)	(C)	(D)	(E)	(F)	
1	-	-	-	a. Termination of 220 kV Rajpura – 400 kV Faggan Majra circuit at 220 kV Bahadurgarh	0.50	<ol style="list-style-type: none"> <li>1. This work has been planned in view of the over-loadings observed in the Patiala region.</li> <li>2. Estimated cost has been considered as per the approx. cost furnished by O/o Addl. SE/TLSC, PSTCL SAS Nagar vide their office memo no. 167 dated 08.02.2022 and memo no 808/09 dated 27.05.2022.</li> <li>3. The expenditure for the works listed at Sr. Nos. 1 to 6 shall be adjusted to the cost allocated for the work listed at Sr. No. 5 of Table 13 of MYT 2020-23</li> </ol>
2	-	-	-	b. Connecting 220 kV Devigarh to 220 kV Rajpura	0.75	
3	-	-	-	c. Connecting 400 kV Rajpura to 220 kV Rajpura (including new link of approx. 5 km length, D/C on D/C)	5.26	
4	-	-	-	d. Connecting 400 kV Rajpura to 220 kV Mohali-1 (one circuit direct and one circuit via 220 kV Banur, on D/C line, including new link of	7.37	

				approx. 7km length, D/C on D/C)		(which is to be deleted).
5				e. 2 Nos. 220 kV bays at 400 kV Rajpura	6.00	4. The total estimated cost of the works listed at Sr. Nos. 1 to 6 after including employee cost @ 15% and IDC @ 10.37% (on estimated project cost + employee cost) shall be Rs. 24.883 Cr.
6				f. 220 kV Side bus extension arrangement to be made at 400 kV Rajpura for providing suitable space for 2 Nos 220 kV Bays	0.10	5. The cost of bays at Sr. No. 5(e) is the latest cost obtained from TS (Design) office.
7	400 kV Rajpura-220 kV Bassi Pathana DC Link. (Amendment no. 13 /2019-20)	(MYT 2020-23, Sr. No. 5) DC Line from 400 kV Rajpura to 220 kV Bassi - Pathana (Line length 2 X 20 km)	17.06			6. The work is subject to ratification by the BODs.
		4no. 220 kV Bays	5.89	WORKS TO BE DELETED	-	7. Line from LILCO point of Faggan Majra - Bahadurgarh circuit to 220KV Rajpura will be spared and kept for future use of ROW.
		220 kV Side bus extension arrangement to be made at 400 kV Rajpura for providing suitable space for 2 Nos 220 kV Bays	0.10			
		<b>Total</b>	<b>23.05</b>		<b>19.98</b>	

This issue with the approval of Technical Committee of PSTCL.

293/298

CC: -P-I/366

Dated: 16/6/2022.

*[Signature]*

SE/Planning  
PSTCL, Patiala

*[Signature]*  
16/6/2022

1. Director/Technical, PSTCL, Patiala.
2. Chief Engineer/TS, PSTCL, Patiala.
3. Chief Engineer/P&M, PSTCL, Ludhiana.
4. Chief Engineer/Planning, PSPCL, Patiala.
5. Dy. CE/P&M Circle, PSTCL, Patiala.
6. SE/Civil Design, PSTCL, Patiala.