



**PUNJAB STATE TRANSMISSION CORPORATION LIMITED**

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CIN-U40109PB2010SGCO33814

To,

Amendment No: 16 /LSW/2021-22

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

Memo No. 341/43 /P-I/331

Dated: 27-7-21

**Subject: - Regarding revised scope/cost of work at 400 kV substation Dhanansu.**

The scope of work is planned as follows:-

Sr. No.	Name of substation	Original scope of work (with MYT original Sr. Nos.)	Original Est. Cost (In Cr.) (MYT 20-23) Includes IEDC @ 6.45% and IDC @ 8.82%	Revised scope of work	Revised est. cost as per cost data 2021-22 and including employee cost @ 15% and IDC @ 10.37% (on estimated project cost + employee cost) (in Cr)	Remarks
	(A)	(B)	(C)	(D)	(E)	(F)
1.	400 kV Grid near Doraha (Dhanansu)	132. 220 kV DC line from 400 kV Grid near Doraha to 220 kV Kohara	10.69	LILO of 220 kV Kohara – Sahnewal (S/C) line at 400 kV Dhanansu.  (a) 220 kV D/C line on D/C towers (1.837 km (approx.) Line Length (with Dhanansu – Sahnewal	3.635	1. This amendment is being issued because of the revision in route plan of 220 kV transmission lines from 400 kV Dhanansu in order to mitigate the many crossings of 400 kV and 220 kV lines and highway appearing in

			<p>conductor of Moose, 0.5 sq" and Dhanansu – Kohara conductor of HTLS of Moose equivalent)</p> <p>(b) 220 kv D/C line on Multi ckt towers (5.026 km (approx.) Line Length up to LILO point of existing Kohara – Sahnewal line (approx. 0.5 km from Kohara) (with Dhanansu – Sahnewal conductor of Moose, 0.5 sq" and Dhanansu – Kohara conductor of HTLS of Moose equivalent)</p> <p>(c) Replacement of existing conductor of Kohara upto LILO point section with HTLS conductor of Moose equivalent (0.557 km).</p> <p>(d) 220 kv D/C line on Multi</p>	<p>13.973</p> <p>0.299</p>	<p>the existing route plan. The revised line lengths have been intimated by ASE/TLSC Divn., PSTCL, Mohali vide their office memo no. 1137 dated 22.07.2021.</p> <p>2. The revised estimated costs in column (E) have been considered on the basis of cost data for the year 2021-22.</p> <p>3. The cost of the work for 2 Nos. 220 kv bays at Kohara comprises of <b>Rs. 2.28 Crore</b> intimated by Dy. Chief Engineer/Grid Const., PSTCL Ludhiana vide their office memo no. 1087 dated 02.03.2021 and <b>Rs. 95 Lac</b> intimated by Sr. XEN/Civil Works Divn., PSTCL, Mohali vide their office memo no. 373 dated 01.03.2021. The employee cost and IDC have been added subsequently.</p> <p>4. For 28.437 km of 220 kv Dhanansu – Doraha line, approx. 6.811</p>
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				ckt towers (only stringing for changing route of LILO of GGSSTP – Kohara line (0.5 sq") at Gaunsgarh, on M/ckt towers (5.026 km (approx.) line length (Moose 0.5 sq" cond.)	2.937	km of already existing line shall be used and the expenditure for remaining 21.957 km approx. has been mentioned at Sr. No. 2 (a) above.
2.		133. 220 kV D/C line from 400 kV Grid near Doraha to 220 kV Doraha (10 km (approx.) Line Length/420 sq mm D/C ACSR Zebra)	8.88	(a)220 kV D/C line on D/C towers (21.957 km (approx.) Line Length/420 sq mm ACSR Zebra) (out of the total line length of 28.437 km, 6.811 km of already existing line shall be used)	29.421	5. The work of 220 kV D/C line from 400 kV Grid near Doraha to 220 kV Ikolaha (MYT original Sr. No. 134) has been replaced with work of LILO of 1 circuit of 220 kV Jamalpur (BBMB) – Ganguwal line at 220 kV bus of 400 kV Dhanansu, approx. LILO length – 8 km (0.4 sq"), D/C on D/C towers (Sr. No. 134(a)).
3.		134. 220 kV D/C line from 400 kV Grid near Doraha to 220 kV Ikolaha (12 km (approx.) Line Length/420 sq mm DC ACSR Zebra)	8.88	Work dropped	NIL	6. For 220 kV D/C line from 400 kV Grid near Doraha to 220 kV Kohara (D/C on D/C tower) (MYT Sr. No. 132), now LILO of 220 kV Kohara – Sahnewal (S/C) line shall be done at 400 kV Dhanansu. The section between 400 kV Dhanansu – 220 kV Kohara will
		135. 220 kV Bays (2 Nos. at 220 kV Ikolaha, 2 Nos. at	12.34	220 kV Bays 2 Nos. at Doraha, 2 Nos. at Kohara including	14.552	

		Doraha, 2 Nos. at Kohara (220 kV bus) and 2 Nos. ICT bays		double bus erection of 220 kV and 2 Nos. ICT bays at Dhanansu.		be of HTLS conductor of suitable capacity and the section between 400 kV Dhanansu – 220 kV Sahnewal will be of 0.5 Sq” conductor.
4.		134(a).	-	LILO of 1 circuit of 220 kV Jamalpur (BBMB) – Ganguwal line at 220 kV bus of 400 kV Dhanansu, approx. LILO length – 8 km (0.4 sq”), D/C on D/C towers. (New work)	10.364	7. This amendment constitutes the amended scope of works listed at Sr. No. 74 of Table 17 and Sr. Nos. 132 to 135 of Table 11 of MYT control period 2020–23.
5.		74. Replacement of existing conductor of 220 kV Kohara - 400 kV Dhanansu (DC), 220 kV Kohara - Sahnewal (B) (SC) with HTLS of suitable capacity.	50.6	Work included at Sr. No 1 above.		8. This amendment shall supersede the Amendment No. 01 dated 17.04.2021. 9. As expenditure of the revised scope is much less than the cost of this work approved in the MYT 2020-23, this amendment is being issued for revision of scope only.
		<b>Total</b>	<b>91.39</b>		<b>75.181</b>	

As expenditure of the revised scope is much less than the cost of this work approved in the MYT 2020-23, this amendment is being issued for revision of scope only.

This issues with the approval of Director/Tech.

  
SE/Planning,  
PSTCL, Patiala.

cc: - 344/SA-I/

Dated: 27-7-21

- 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. Chief Engineer/P&M, PSTCL, Ludhiana.
- 6) SE/TLSC, PSTCL, Patiala.