

**Meeting with PSERC on 11.2.2021**  
**Additional Queries/Justifications/Clarifications**

1. Actual expenditure in FY 2020-21 up to December and revised projection of expenditure for FY 2020-21 and FY 2021-22.

**PSTCL's Reply:**

PSTCL has incurred Rs. 89.46 crore (hard cost only) upto December 2020 on account of Capital Expenditure. Revised projection for expenditure for FY 2020-21 is Rs. 200 crore inclusive of IEDC and IDC. Revised estimated expenditure for FY 2021-22 is Rs. 400 crore (inclusive of IEDC & IDC).

2. Annexure A "Board Approved cost of Schemes", values of Board Approved schemes/projects need to be checked and resubmitted. Further, supporting documents of Board approval of each project to be submitted.

**PSTCL's Reply:**

The of increase/decrease in actual CAPEX from the approved Capital Expenditure as per annexure "A" was deliberated on 11.02.2021 with Hon'ble Commission. The Commission asked to submit the approval of BoDs, where works were started as emergency works. It is submitted that the actual expenditure is Rs. 30.83 crore against the approved Rs. 14.50 crore. The list of works of Rs. 30.83 is attached herewith as Annexure "A".

3. Detailed cost of projects cost done under PSDF (for each year of 1st MYT).

<b>Details of Projects under PSDF Scheme</b>				
Sr No. in Petition	Name of the Scheme	Total amount of scheme	Funds to be transferred by Central Government (90% of Total Amount)	PSTCL's Share (10% of Total Amount)
76	Provision of 2nd DC source 85 No. 220 KV and 132 KV Sub Stations	153100000	137790000	15310000
43	Installation of Bus Bar Protection in PSTCL (45 S/s)	182100000	163890000	18210000

4. CWIP details for each year of 1<sup>st</sup> MYT Control period as under:

Particulars	2017-18			2018-19			2019-20			
	Opening	Addition	Capitalization	Closing	Addition	Capitalization	Closing	Addition	Capitalization	Closing
CAPEX	438.22	304.43	316.26	<b>426.39</b>	224.41	317.6	<b>333.2</b>	167.46	273.2	<b>227.46</b>
Contributory		44.13	45.55	<b>-1.42</b>	24.62	20.29	<b>2.91</b>	53.26	0.29	<b>55.88</b>
Directly Added	0	25.86	25.86	<b>0</b>	2.55	2.55	<b>0</b>	13.43	13.43	<b>0</b>
T/f to PSPCL	0	0	0	<b>0</b>	0	6.27	<b>-6.27</b>	0	0	<b>-6.27</b>
Total Claim (STU)	<b>438.22</b>	<b>374.42</b>	<b>387.67</b>	<b>424.97</b>	<b>251.58</b>	<b>346.71</b>	<b>329.84</b>	<b>234.15</b>	<b>286.92</b>	<b>277.07</b>
SLDC	<b>4.42</b>	<b>1.59</b>	<b>0.08</b>	<b>5.93</b>	<b>5.82</b>	<b>0.46</b>	<b>11.29</b>	<b>0.38</b>	<b>6.33</b>	<b>5.34</b>
Total PSTCL	<b>442.64</b>	<b>376.01</b>	<b>387.75</b>	<b>430.9</b>	<b>257.4</b>	<b>347.17</b>	<b>341.13</b>	<b>234.53</b>	<b>293.25</b>	<b>282.41</b>

**Note:** *Apart from the works approved in MYT, PSTCL during the control period, has capitalized works, which had been commissioned/completed before 01.04.2017, but could not be capitalized/transferred to GFA due to procedural formalities. As such, the amount of capitalization as per the details given above is differ as compared to the amount of capitalization as per audited accounts.*

5. Justification for variance in SLDC CAPEX w.r.t to approved and spill over if any.

**PTSCCL's Reply:**

Actual Capital expenditure is within approved CAPEX for SLDC.

6. Transformer Costs (100 MVA, 200 MVA etc) for past 5 years year wise with escalations.

**PTSCCL's Reply:**

Requisite details are attached herewith as per annexure "B".

Annex A

Sr. No.	Name of Scheme/Project	General Description of Scheme	Total Cost of Project	Estimated Amount of the Project	Year of Start/ Date of Start	Date of Completion	Tender No and Date	Expenditure up to 2017-18			Expenditure up to 2018-19			Expenditure up to 2019-20			Up To Date Exp. Till 2019-20			Spillover tentative to complete the work
								Expenditure Work	Employee Cost	IDC	Expenditure Work	Employee Cost	IDC	Expenditure Work	Employee Cost	IDC	Expenditure Work	Employee Cost	IDC	
1	Repl. Of Damg. 100 MVA T/F at 220 KV S/S Rajpura	Unforeseen Emergency Work	3.83	4.86				5.98	0.49	0.00	0.00	0.00	0.00	5.98	0.49	0.00	0.00	6.47	0.00	
2	Repl of 20 MV 66/11 with same capacity at 220 KV Kanjli.	Unforeseen Emergency Work	2.25	2.25					1.23	0.93	0.00	0.01	0.00	1.24	0.93	0.00	0.00	2.17	0.00	
3	220 kv Patran C/B patran 4X1.361 11 Kv	TSW-G-03-16-17	1.52	1.52					0.10	0.07			0.00	0.10	0.07	0.01	0.00	0.18	0.00	
4	220 Kv S/S Ladowal Erection Of 12. No. CVT At	Covered Under Sr 21 Of MYT 2017-20	0.32	0.32								0.25	0.05	0.25	0.05	0.00	0.00	0.30	0.00	
5	Other works 400 KV Prov 220 KV bay for Ladowal at 400 KV S/S Nakodar	Turnkey Project	1.79	1.79				2.01					0.00	2.01	0.00	0.00	0.00	2.01	0.00	
6	Repl. of 12.5/16 MVA, 132/66 KV T/F with 1x20/25 MVA, 132/66 KV T/F 132 KV S/S/Strn Malout	Same Work At Sr. No 74 MYT 2017-20	0.30	0.56				0.85	0.00					0.85	0.00	0.00	0.00	0.85	0.32	
7	Disml. Of 132KV Yard at 220KV S/S Jadia U/G 132 KV S/S To 220 KV S/S	GM-06-2017-18	0.30	0.30										-0.21	-0.02	0.00	0.00	-0.23		
8	R/O 10/12.5 MVA 132/11 KV defective with same cpacity At 132 KV S/S ICC Bathinda	192041-GL-2019-20							0.60	0.46				0.62	0.46	0.00	0.00	1.08		
9	R/O of 12.5 MVA with 20 MVA At 132 KV S/S Swadii Kalan	TSW-G-72-2019-20												0.06	0.01	0.00	0.00	0.07		
10	2x11KV 1.361MVAR C/B at 220 KV S/S Pakhowal	GM-03/2019-20												0.08	0.01	0.00	0.00	0.09		
11	Prov. 2X1.361 11 KV C/B At 220 KV S/S Jagraon	GM-04-2019-20												0.04	0.01	0.00	0.00	0.05		
12	Aug of 100 MVA with 160 MVA P/T/F 220 KV S/S Ferozpur Road Ludhiana	TSW-G-69-2019-20	8.81	8.81										6.54	1.43	0.10	0.00	8.07		
13	1 No. 132 KV bay For Seh At 132 KV S/S Sihora	192082-GL--19-20												0.15	0.03	0.00	0.00	0.18		
14	1 no 132KV bay for Sihora at 132KV S/S Seh	192081-GL-2019-20												0.05	0.01	0.00	0.00	0.06		
15	Aug. of 12.5 MVA 66/11 KV With 20 MVA 66/11 KV At 220 KV S/S Bhatari	UNDER SANCTION												1.30	0.34	0.00	0.00	1.64		

Sr. No.	Name of Scheme/Project	General Description of Scheme	Total Cost of Project	Estimated Amount of the Project	Year of Start/Date of Start	Date of Completion	Tender No and Date	Expenditure up to 2017-18			Expenditure up to 2018-19			Expenditure up to 2019-20			Up To Date Exp. Till 2019-20			Spillover tentative Expenditure required to complete the work				
								Expenditure Work	Employee Cost	IDC	Expenditure Work	Employee Cost	IDC	Expenditure Work	Employee Cost	IDC	Expenditure Work	Employee Cost	IDC		Expenditure Work	Employee Cost	IDC	Gross Total
16	Aug. Of 100 MVA with 160 MVA PTF AT 220 KV S/S Bajakhana	TSW-G-51-2019-20	8.81	8.81																0.00				
17	D/O Damaged 100MVA 220/66KV T/F at 220KV S/S Butari	UNDER SANCTION																			0.01			
18	CWIP Received From Ludhiana																				0.24	0.05	0.00	0.29
19	Prov. Jumping Works At 400 KV S/S Rajpura	Turnkey basis																			0.04	0.01	0.00	0.05
20																					0.00	0.00	0.00	0.00
21																					0.00	0.00	0.00	0.00
			27.93	29.22	0.00	0.00	0.00	0.00	8.84	0.49	0.00	1.93	1.46	0.00	8.59	1.92	0.11	19.36	3.87	0.11	23.34	0.32		

Sr. no.	Name of the Work	Estimate No.	Dt of commencement	Nature	Total Exp	Employee cost	IDC	EC+IDC	Total during year(19-20) after	Transfer to fixed asset during FY 2019-20 (i.e Asset Created)	closing bal as on 31.03.20
1	220KV RSD-Sarna Ckt. 5-6			PLANNED	1364339	413306	109734	523040	1887379		1887379
2	132 KV SIHORA TO 132 KV S/S SEH	UNDER SANCTION		PLANNED	439168	133039	35322	168362	607529		607529
3	220 kv dc line 400 kv Rajpur to 220 kv Bassi Pathana			PLANNED	403707	122297	32470	154767	558474		558474
4	Survey off 132 line, 132 kv sub station Faridkot to 132 kv S/s Kotakpura 2nd on DC tower	TLW -91/19-20	12.03.20	PLANNED	340616	103184	27396	130580	471196		471196
5	New link to connect 132 KV S/Stn. Dharamkot to 132 KV S/Stn. Dhaleke	TWA-12/2012-13		PLANNED	12609280	75613	1164517	1240129	13849410		13849410
6	LILO of both circuits of 220 KV RTP Jamsher at Jadla	TLW -26/19-20	17-12-19	PLANNED	738354	42083	66678	108761	847115		847115
7	Lilo of 220kv line from Sunam to Mansa at 220KV S.stn Jhunir under forest			PLANNED	46772	14169	3762	17931	64703		64703
8	SURVEY WORK OF 132 KV GHULAL SHAMSHERPURA			PLANNED	17642	5059	1430	6490	24132		24132
9	Lilo of 220KV RSD-Sarna line at Shahpurkandi	2/TLSC/15-16	Jun-17	PLANNED	86879	0	8045	8045	94924		94924
10	220 kv sarna Kotli Surat Malli line ( Abandoned work)	UNDER SANCTION		PLANNED	16369107	0	0	0	16369107		16369107
11	LILO OF 220 KV SARNA TO WADDALA GRATHIAN at Gurdaspur			PLANNED	141367	0	13090	13090	154457		154457
12	Breakdown of T. NO. 79 of 132KV Mahalpur Hoshiarpur Line			PLANNED	-251871	0	0	0	-251871		-251871
13	Raising ht of 220 kv Talwandi Bhai Dharamkot to 132 kv moga-talwandi bhai			PLANNED	-313886	0	0	0	-313886		-313886
14	220KV Moga-Jagraon at Ajitwal - Restoration Supply	TLW-61/16-17	06.02.17	PLANNED	-19539	0	0	0	-19539		-19539
15	BREAK DOWN OF T NO. 4 and SOF 132 KV BHUTTARI TARRAN TARRAN AT EKALGADHA			PLANNED	83982	25441	6755	32196	116178		116178
16	BREAK DOWN OF 132 KV EKALGADDA T NO.4	TLW 20-21	18.06.20	PLANNED	209024	63321	16812	80132	289156		289156
17	Breakdown of 220KV Verpal - Hakima Gate Line	TLSC/32/61		PLANNED	178835	54176	14384	68559	247395		247395
18	220 KV FEROPUR TALWANDI BHAI AT SADIQ RESTORATION	TLW 1/18/14-15	19.12.14	PLANNED	765629	231936	61579	293515	1059144		1059144
19	Strengthening of 220 KV SARNA TO WADDALA GRATHIAN	4/TLSC/15-16	Mar-16	PLANNED	607992	184182	48901	233083	841075		841075
20	220 KV RTP Jadla DC tower line Restoration of damaged TL-13, 13A	WORK IN PROGRESS		PLANNED	10703302	0	0	0	10703302		10703302
21	Replacement of conductor of 220 KV Sultanpur-Patti Line (T.L.No.61 to 75 )	TLW 62/16-17	17.02.17	PLANNED	7562881	2291062	608282	2899345	10462226		10462226
22	Restoration Supply of 220kv Chajjili-Bangan Line	TLW-P-08/P/2013-14	API-13	PLANNED	3774734	1143499	303602	1447101	5221835		5221835
					55858313	4902369	2522757	7425126	63283439	0	63283439
					5.59	0.49	0.25	0.74	6.33	0.00	6.33



# Annexure - B

T/F Rating	Ex-Works rate of T/Fs									
	2016-17		2017-18		2018-19		2019-20		2020-21	
	Rates on which T/F ordered	Updated rate of previous PO	Rates on which T/F ordered	Updated rate of previous PO	Rates on which T/F ordered	Updated rate of previous PO	Rates on which T/F ordered	Updated rate of previous PO	Rates on which T/F ordered	Updated rate of previous PO
160MVA 220/66kV	5,01,79,738.56 (PO dtd 31.03.16)	5,41,48,955.88	5,07,00,000.00	-	-	5,62,59,020.00	5,41,80,000.00	5,51,05,394.40	5,67,15,926.40	
100MVA 220/66kV	3,50,10,305.01	-	-	-	-	-	-	4,34,81,048.30	4,08,84,524.82	
100MVA 220/132kV										T.E STQ-7052 under process
20MVA 66/11kV	1,04,80,000.00 (ED- NIL)	96,90,050.02	95,01,360.00	-	-	-	96,96,212.02 (Qty-2No. at PSPCL rates)	1,11,38,559.32 (PSPCL rate 1,12,23,305.00)	1,06,86,179.60	T.E STQ-5125 under process
315MVA 400/200kV										
T/F ICT Bay complete as per requirement which includes 500MVA 400/220kV T/F	-	-	21,57,06,466 (Mukatsar)	-	-	24,35,76,704	24,20,39,752 (Makhu)	26,34,86,586	25,89,29,252 (Rajpura)*	

**Note:** - Rates of turnkey package including T/F, Bay, Civil works etc are mentioned. Rates of transformer in turnkey package are not comparable separately as individual items can be cross loaded.

\* Rajpura prices have been finalized but still to be allotted by competent authority.

PSTCL

PUNJAB STATE TRANSMISSION CORPORATION LIMITED.

(Regd. Office: PSEB Head Office, The Mall, Patiala-147001)

Corporate Identity Number: U40109PB2010SGC033814

Office of Dy. Chief Engineer/TS (Design), First Floor,  
Shakti Sadan, Opposite Kali Mata Mandir, Patiala-147001

Telephone No. : 0175-2207774 e.mail: se-trd@pstcl.org FAX No. 0175-2207774

Sr NO. 22  
of Annex 'A'

To

Speed  
Post

KanoHar Electricals Ltd.,  
Rithani, Delhi Road,  
Meerut-250 103

Fax No. 0121-2441704-05  
Email: neeraj.mittal@kanoHar.com

Memo No. 487 /STQ-3039

Dated: 7.04.2017

Subject: Tender Enquiry No. STQ-3039 for Construction of 1 No. 400KV ICT bay, 1 No. 400KV Tie bay, 1 No. 400KV Future bay, 1 No. 220KV ICT bay and Supply, Transportation, Erection, Testing and Commissioning of 1 No. 500MVA 400/220/33KV Auto Transformer at 400KV Substation Mukatsar opened on 01.09.2016 - Notification of Award.

Ref: Minutes of meeting of Post Bid Meeting held on 07.04.2017 between PSTCL and KanoHar Electricals Ltd.

It is to intimate that it has been decided to issue NOA for subject cited turnkey project for Rs. 22,80,66,966/- to your company on PSTCL standard terms and conditions for the following work:-

"Design, Engineering, Manufacturing, Supply, Transportation, Erection, Testing and Commissioning for Construction of 1 No. 400KV ICT bay, 1 No. 400KV Tie bay, 1 No. 400KV Future bay, 1 No. 220KV ICT bay on turnkey basis.

Design, Engineering, Manufacturing, Supply, Transportation, Erection, Testing and Commissioning of 1 No. 500MVA 400/220/33KV Auto Transformer at 400KV Substation Mukatsar on turnkey basis."

The price break up is as under:-

Sr. No.	Description	Amount (Rs.)
1.	Plant and equipment cost (Schedule-1)	18,68,81,549.00
2.	Type test charges (Schedule-2)	0
3.	Taxes and duties on supply part (Schedule-3)	1,23,60,500
4.	Local Transportation and Insurance charges (Schedule-4)	90,29,071.00
5.	Installation, testing and commissioning charges (Schedule-5)	1,97,95,846.00
6.	Total	22,80,66,966.00

(Rupees Twenty two crore ,eighty lac ,sixty six thousand, nine hundred sixty six only.)

Engineer-in-Chief/TS,  
PSTCL Patiala.

The service tax charges of Rs. 15,56,533.86 are inclusive in amount of Schedule-5 mentioned above.

This Notification of Award constitutes formation of Contract and comes into force with effect from the date of issuance of this Notification of Award.

The schedule for Taking Over/Completion of Facilities by the Employer upon successful completion of Construction of 1 No. 400KV ICT bay, 1 No. 400KV Tie bay, 1 No. 400KV Future bay, 1 No. 220KV ICT bay and Supply, Transportation, Erection, Testing and Commissioning of 1 No. 500MVA 400/220/33KV Auto Transformer at 400KV Substation Mukatsar shall be 12 months from the date of issue of this Notification of Award for all contractual purposes.

The detailed Contract Agreement follows.

Received  
[Signature]

[Signature]  
Dy. CE/TS (Design)  
PSTCL, Patiala.  
07.04.17 07/04/17  
KANOHAR  
130



**PUNJAB STATE TRANSMISSION CORPORATION LIMITED**

(Regd. Office: PSEB Head Office, The Mall, Patiala-147001)

Corporate Identity Number: U40109PB2010SGC033814

[www.pstcl.org](http://www.pstcl.org) (O/o Company Secretary) E-mail: [comp-secy@pstcl.org](mailto:comp-secy@pstcl.org)

Tel./Fax No. 0175-2308233

Dy. No. 5131/TS,  
Dt. 03/04/17

EIC/TS  
Dy. C.E.  
AGRA  
17/3

**Subject:- EIC/TS Agenda No. 08/STQ-3039/TS-III dated 03.03.2017- Construction of 1 No. 400KV ICT bay, 1 No. 400KV Tie bay, 1 No. 400KV Future bay, 1 No. 220KV ICT bay and supply, transportation, erection, testing and commissioning of 1 No. 500MVA 400/220/33KV Auto Transformer at 400KV Substation Mukatsar.**

The decision taken by the Committee of Whole Time Directors in its 73<sup>rd</sup> meeting held on 20.03.2017 at VIP Guest House, Mohali, on the above subject is as under:-

"The Committee perused the agenda along with recommendations of PPC/TS mentioned under para 7 therein. After discussion, approval was accorded for the followings:-

- i) For acceptance of FOR destination all inclusive variable L-1 price of Rs. 22,80,66,966/- of L-1 firm for complete turnkey project.
- ii) Placement of work order on L-1 firm i.e. Kanohar Electricals Ltd., Meerut on standard terms & conditions of PSTCL specification no. STQ-3039.

The above approval is subject to sanction of DPR by FI's/Banks and allotment of budget".

This is for information and necessary action under due intimation to this office please.

  
Company Secretary  
PSTCL, Patiala.

To

Engineer-in-Chief/TS,  
PSTCL, Patiala.

U.O. No. 628 /WTD-73.2/PSTCL

Dated: 03.04.2017



To.

Amendment No. 7  
2018-19

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

Memo No. 397/99/P-II/70(A)

Dated: 31-05-2018

Subject^ Planning of Augmentations of 10/12.5 MVA T/Fs at various S/Stns of PSTCL.

Following work has been included in the work list of FY-2018-19 for necessary action please:-

Sr. No.	Name of Sub-Station	Scope of Work	Est. Cost (in (Lacs))	Remarks
1	220 KV S/Stn. Sultanpur	Aug. of 1x10/12.5 MVA 132/11 KV T/F with 1x20 MVA 132/11 KV T/F.	251*	This work has been planned:-  1. On the basis of overloading of 11KV system observed during paddy 2017 as per Transmission data supplied by CEP&M PSTCL, Ludhiana  2. For reliability & redundancy of power supply in the area.
2	220 KV Stn. Talwandi Saboo	Aug. of 1x10/12.5 MVA 66/11 KV T/F with 1x20 MVA 66/11 KV T/F.	153*	
3	220 KV Stn. Bahadurgarh (Bhatani)	Aug. of 1x10/12.5 MVA 66/11 KV T/F with 1x20 MVA 66/11 KV T/F.	153*	
4	220 KV Stn. Rajpura	Aug. of 1x10/12.5 MVA 66/11 KV T/F with 1x20 MVA 66/11 KV T/F.	153*	
5	132 KV Stn. Ropar	Aug. of 1x10/12.5 MVA 66/11 KV T/F with 1x20 MVA 66/11 KV T/F.	153*	
6	132 KV Stn. Sawadi Kalan	Aug. of 1x10/12.5 MVA 132/11 KV T/F with 1x20 MVA 132/11 KV T/F.	251*	

\*Expenditure shall be charged to the head "Unforeseen emergency works" as per provision of Approved Capital investment plan for the year 2018-19.

This issues with the approval of Director/Technical.

SE/Planning & Communication,  
 PSTCL, Patiala.

CC:- 400/407 /P-II/70(A)

Dated: 31-05-2018

- 1) Director/Technical, PSTCL, Patiala.
- 2) Chief Engineer/TS, PSTCL, Patiala.
- 3) Chief Engineer/P&M, PSTCL, Ludhiana.
- 4) Chief Engineer/Planning, PSTCL, Patiala.
- 5) Dy. CE/P&M Circle, PSTCL, Patiala.
- 6) Dy. CE/P&M Circle, PSTCL, Jalandhar.
- 7) Dy. CE/P&M Circle, PSTCL, Ludhiana.
- 8) Dy. CE/P&M Circle, PSTCL, Bathinda.



PUNJAB STATE TRANSMISSION CORPORATION LIMITED  
Regd. Office:- PSEB Head Office, The Mall, Patiala – 147001, Punjab, India  
O/o SE/Planning & Communication, PSTCL, Patiala  
Fax/Ph:- 0175-2205502, Email:- [se-planning@pstcl.org](mailto:se-planning@pstcl.org)  
CIN-U40109PB2010SGCO33814

To.

Amendment No: 16  
2018-19

1. Dy. CE/Grid Construction Circle,  
PSTCL, Ludhiana.
2. Dy CE/TLSC Circle,  
PSTCL, Patiala.

Memo No. 461/62 /P-I /262

Dated: 06.02.18

Subject:- To bring some of existing Radially connected 220 kV/132 kV grids into Ring Main System.

It has been decided to include the following Transmission work in the Transmission work list for the year 2019-20.

Sr. No	Name of S/s	Scope of Work	Est. Cost (Lacs)	Remarks
1.	132 kV Faridkot – Kotkapur-2 SC link	132 kV SC line on DC towers - (appx. length = 30 KM) Conductor size = 0.2sq"  2no. 132 kV line bays (one at each end)	1043.7 Lacs  100* Lacs	i) This work has been planned to bring radial grid stations into the ring main system in order to improve reliability of the supply & voltage fluctuations. ii) Scope of work is based as per the recommendations of TLSC and Grid construction, Circle PSTCL.
2.	132 kV Sihora-132 kV Seh SC line	132 kV SC line on DC towers - (appx. length = 31 KM) Conductor size = 0.2sq"  2no. 132 kV line bays (one at each end)	1078.49 Lacs  100* Lacs	iii) Estimated cost (For Transmission works) has been amended as per Cost Data <u>2018-19</u> as furnished by O/o TS (D). iv) These work shall be included in the transmission works for the year 2019-20,

			subject to approval of PSERC. * Cost Data for Substation works/ Bays for the year 2018-19 is under process, as such Cost Data for 2017-18 has been considered for the 132KV bays.
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This issues with the approval of Director/Technical.

463/10  
06-08-18

  
SE/Planning & Communication  
PSTCL, Patiala.

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/TS (D), PSTCL, Patiala.
6. Dy. CE/Civil Works, PSTCL, Patiala.
7. Dy. Chief Engineer/P&M Circle PSTCL, Bathinda.
8. Dy. Chief Engineer/P&M Circle PSTCL, Ludhiana.



PUNJAB STATE TRANSMISSION CORPORATION LIMITED

Regd. office:- PSEB Head office. The Mall Patiala-147001, Punjab, India  
O/o Dy. CE/ Planning & Communication, PSTCL, Patiala.  
Fax/Ph: - 0175-2205502, E mail:- [se-planning@pstcl.org](mailto:se-planning@pstcl.org)  
CIN-U 40109 PB 2010 SGCO 33814

To

- i) Dy. Chief Engineer/Grid Construction Circle,  
PSTCL, Ludhiana.
- ii) Dy. Chief Engineer /TLSC Circle,  
PSTCL, Patiala.

Memo No. 267/68 PI/249 Dated: 3-6-16

Sub: Amendment in the Transmission Works list 2012-17 (Amendment No.15)

It has been decided to add the following Transmission work in the Transmission Works list for the year 2016-17:-

Sr. No.	Name of the 220 kV Substation	Original Plan	Proposed Plan	Remarks
1/2014-15 of TWL 12-17	Ferozepur Rd. Ludhiana	1x160 MVA (Addl. 3 <sup>rd</sup> ) or new grid in nearby area during 2014-15	Replacement of 1x100 MVA with 160 MVA during 2020-21.	The amendment has been carried out in view of existing/ expected future load growth of respective areas.
18/2015-16 of TWL 12-17	Pakhawal	1x100 MVA (Addl. 3 <sup>rd</sup> ) or new grid in nearby area during 2015-16	To be deleted	
Amnd No. 31/2015-16	Lalru	Addl. 3 <sup>rd</sup> 1x160 MVA, 220/66 kV	Replacement of 1x100 MVA with 160 MVA during 2018-19.	
12/2015-16 of TWL 12-17	Chohla Sahib	Addl. 1x160 MVA, 220/66 kV	To be deleted	

This issues with the approval of competent authority.

Dy. CE/Planning & Comm,  
PSTCL, Patiala.

269174  
31/11/16  
CC:

- i) Dy. Secy. to Director/Technical, PSTCL, Patiala.
- ii) CE/TS, PSTCL, Patiala.
- iii) CE/P&M, PSTCL, Ludhiana.
- iv) CE/Planning, PSPCL, Patiala.
- v) Dy CE/TS (D), PSTCL, Patiala.
- vi) Dy. CE/ Civil Const. Circle, PSTCL, Patiala.



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To

i) Dy CE/TLSC Circle  
PSTCL, Patiala

ii) SE/Grid Construction Circle,  
PSTCL, Ludhiana. ✓

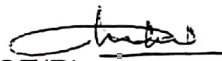
Memo No. 900/01 IP-1/223 Dated 16-3-15

Sub:- Amendment in Transmission work list – 2012-17 (Amendment No. 40)

It has been decided to include the following transmission work in the transmission work list for the year 2015-16 :-

S.N.	Name of work	scope of work	Estimated cost (in lacs)	Remarks
1	a) 220 KV Shahpur Kandi PH-1-220 KV Shahpur Kandi PH-2 .	4Km, (SC on DC, 0.5Sq" conductor.)	285.9 (approx.)	Evacuation system has been reviewed, keeping in view the evacuation of Shahpur Kandi PH-I & II individually.
	b) LILO of one circuit of 220 KV RSD-220 KV sarna at 220KV Shahpur Kandi PH-1 & PH-2	9 Km (DC on DC with 0.5 Sq".)	774.9 (approx.)	
	c) 220 KV bays	4 (2 no. bays at PH-1 & 2 no. bays at PH-2.)	284 (approx.)	

This issues with the approval of competent Authority.

  
Dy. CE/Plg. & Comm,  
PSTCL, Patiala.

102/07  
16/3/15  
cc:-

- i) Dy. Secy to the Director/T, PSTCL, Patiala
- ii) PS to CE/TS, PSTCL, Patiala
- iii) CE/Hydel Projects, PSPCL, Patiala
- iv) CE/ Planning, PSPCL, Patiala
- v) CE/ P&M Circle, PSTCL, Ludhiana
- vi) Dy CE/TS (D), PSTCL, Patiala

Amendment No: **B**  
2019-20

1. SE/Grid Construction Circle,  
PSTCL, Ludhiana.
2. Dy. CE/ TLSC Circle,  
PSTCL, Patiala

Memo No.: - **822/23** /P-1/281

Dated: - **28.05.19**

SUBJECT: - 400 KV Rajpura-220 kV Bassi - Pathana DC link.

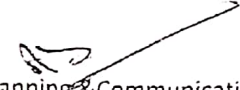
Following works have been included in the work list of FY 2019-20:-

Sr. No	Name of Work.	Scope of Work	Estimated Cost (Rs. Lacs)	Remarks
1.	220 KV DC line from 400 KV Rajpura to 220 KV Bassi Pathana.	Line length = 20 km. DC on DC towers, (Conductor size 0.4 sq")	1528	i) This work has been planned on the basis of recent meeting of Hon'ble Director/Technical with PSPCL on 14-03-19.  ii) Confirmation of ROW and space availability for 220 KV line bay by TLSC Patiala and Grid Const., Ludhiana resp.
2.	220 KV Bays 220KV side bus extension arrangement to be made at 400KV Rajpura for providing suitable space for 2 no. 220 KV Bays  **Note: Tentative cost has been considered as it was not available with this office.	4 Nos (2 Nos at 400 KV Rajpura & 2 Nos at 220 KV Bassi Pathana)	528  10**	iii) Estimated cost has been considered as per Cost Data 2018-19 as furnished by O/o TS (D) and shall be considered as a new work.  iv) This work shall be included in the transmission works for the year 2019-20, subject to approval of PSERC.

This issues with the approval of Director/ Technical.

CC: -

- 1) Director/Technical, PSTCL, Patiala,
- 2) Chief Engineer/TS, PSTCL, Patiala.
- 3) Chief Engineer/Planning, PSPCL, Patiala.
- 4) Chief Engineer/P&M, PSTCL Ludhiana.
- 5) Dy. CE/P&M Circle, PSTCL, Ludhiana.
- 6) Dy. CL/Civil Works, PSTCL, Patiala.
- 7) Dy. CL/Civil Design, PSTCL, Patiala.
- 8) Dy. CE/TS (D), PSTCL, Patiala.

  
 SE/Planning & Communication,  
 PSTCL, Patiala.