

H.P. POWER TRANSMISSION CORPORATION LIMITED

(A State Government Undertaking)

Regd. Office: BAROWALIA HOUSE, KHALINI, SHIMLA

(CIN): U40101HP2008SGC030950.

Ph: -0177-2626283, **FAX:** -0177-2626284, 2620227

Web: hpptcl.gov.in

No. HPPPTCL/33/220 KV Phojal/L & T/Vol-XIV/2015 - **2832-39** **Dated:** **13/08/15**

To

M/s LARSON & TOUBRO LIMITED,
Engineering Construction & Contract Division,
Mount Poonamallee Road Manapakkam,
P.B.No. 979, Chennai-6000089
FAX No. 044-22493317, 225236345

Subject: - Award No. HPPTCL /DGMC/L&T-Supply/2010-5107-12 dated 23.12.2010 amended Vide No. HPPTCL /DGMC/L&T-**Supply**/2013-6855-61 dated 08.03.2013 **(First Contract)** and Tender Specification No. DGMC/PALCHAN SUB-STATION/2/2009.- **Amendment No. 2 thereof.**

Reference:- Your letter No. LTCD/PT&D/Phojal / 15- 10 dated 4th March, 2015.

Dear Sirs,

With reference to above letter, following amendments in the supply items of subject cited award are hereby made:-

Substituted & Additional Items:

S. No.	Name of Existing /BOQ Items	As Per Award				To be read as				
		Qty.	Unit	Rate (Rs)	Amount (Rs)	Name of Proposed Items	Qty.	Unit	Rate (Rs)	Amount (Rs)
(A)	M. Illumination System (Lighting Fixtures)									
1	3.0 a) 2X36W, Flourescent Lamp in industrial reflector type fixture suitable for surface/pend ant mounting	37	No.	1782	65934	2X28W, T5 type industrial trough type flourescent fixture with electronic ballast (Bajaj BTIV 228) with Lamp	60	No.	1782	106920

2	(New)	-	-	-	0	2X28W, T5 type flourescent fixture corrosion proof fitted with electronic ballast (Bajaj BTIV 228) with Lamp	9	No..	1782	16038
3	(New)	-	-	-	0	2X28W, T5 mirror optics type fixture (Bajaj BTIV 128) with Lamp	34	No..	1782	60588
4	(New)	-	-	-	0	1X28W, T5 type industrial trough type flourescent fixture with electronic ballast (Bajaj BTIV 128) with Lamp	5	No..	1370	6850
5	5 (a) Flood Light luminaire 2X400W HPSV with lamp	4	No.	7909	31636	Fllod light fixture with 2X400W HPSV-T Lamp & control gear (Bajaj BJENF 24) with Lamp	6	No..	7909	47454
6	(New)	-	-	-	0	Fllod light fixture with 1X400W HPSV-T Lamp & control gear (Bajaj BJENF 14) with Lamp	3	No..	5536	16608
7	7. 1X70W HPSV, 240V AC industrial wall glass fixture for pendant mounting with control gear box	2	No.	1370	2740	1X70W HPSV 240AC industrial type fixture suitable for wall mounting with control gear (Bajaj BGEMF 17) with Lamp	12	No..	1370	16440



8	4.0 a) 1X250W industrial metal halide luminare	14	No.	1864	26096	1X250W Industrial type metal halide luminaries (Bajaj BJHBBIS 250 MH) with Lamp	6	No..	1864	11184
9	(New)	-	-	-		10/20W CFL Fitting suitable for 220V DC source	18	No..	959	17262
Sub-Total (a)					1,26,406					2,99,344
(B) S) Clamps & Connectors-220KV										
1	Terminal connector on 26.66/33.33 MVA Transformer SF6 to oil Bushing to suit GIS bus duct	4	No.	4458	17832	Expansion type terminal connectors to suit 3" IPS aluminium tube on transformer bushing (HA)	4	No..	4458	17832
2	Terminal connector on 245KV CVT to suit 1 or 2X moose/ Zebra ACSR	6	No.	2962	17772	Terminal Connector to suit single Zebra ACSR on CVT (HA)	6	No..	2962	17772
3	Terminal connector on wave trap to suit 1 or 2XMoose/Ze bra ACSR	8	No.	2709	21672	Terminal Connector to suit single Zebra ACSR on SF6 air bushing (HA/VA)	6	No..	2709	16254
4	Tee coonec tor to suit 1 or 2XMoose/Ze bra ACSR	12	No.	3413	40956	Tee connector to suit single Zebra ACSR to single Zebra ACSR	12	No..	3413	40956
5	Terminal connector to suit 1 or 2XMoose/Ze bra ACSR (New Item)	-	-	-	0	PG Clamp to suit single Zebra ACSR to single Zebra ACSR	4	No..	2709	10836

hs

6	Terminal connector on wave trap to suit 1 or 2XMoose/Zebra ACSR	-	-	-	0	Rigid type terminal connector to suit 3" IPS aluminium tube on SF6 air bushing (HA)	4	No..	2709	10836
Sub-Totals (b)					98,232					1,14,486
(C) S) Clamps & Connectors - 33KV										
1	Terminal connector 30kV lightning arrester to suit 1 or 2XMoose/Wolf ACSR	18	No.	2818	50724	Terminal connector to suit twin Panther ACSR on isolator (HA)	12	No..	2818	33816
2	Terminal connector 30kV lightning arrester to suit 1 or 2XMoose/Wolf ACSR	-	-	-	0	Terminal connector to suit single Wolf ACSR on isolator (HA)	24	No..	2818	67632
3	Terminal connector on cable sealing end to suit 2XMoose ACSR	4	No.	1552	6208	Tee connector to suit twin Panther ACSR to twin Panther ACSR	6	No..	1552	9312
4	Terminal connector on cable sealing end to suit 2XMoose ACSR	-	-	-	0	Tee connector to suit twin Panther ACSR to single Panther ACSR	6	No..	1552	9312
5	Terminal connector on cable sealing end to suit 2XMoose ACSR	-	-	-	0	Tee connector to suit Wolf ACSR to Wolf ACSR	24	No..	1552	37248

bes

6	Terminal connector on cable sealing end sealing end to suit 2XMoose ACSR	-	-	-	0	Terminal connector to suit single Panther ACSR on cable termination kit	12	No..	1552	18624
7	Terminal connector to suit 1CX630 sq.mm XLPE cable sealing end	6	No.	2962	17772	Terminal connector to suit single Wolf ACSR on cable termination kit	12	No..	2962	35544
Sub-Totals (c)					74,704					2,11,488
D	Total (a) +(b) +(c)				2,99,342					6,25,318

New Items required / provided (Not provided in the awarded BOQ):

S. No.	Description of items	Qty.	Unit	Rate (Rs)	Amount (Rs)
1	SF6 / Air Bushing including all taxes	4	NO.	750000	3000000
	Sub Total 1				30,00,000
2	Neutral Formation				
2.1	33 kV XLPE, Cu Cable 1C X 1000 sq. mm inclusive all taxes & othr charges.	210	mtr.	13000	2730000
2.2	220 kV Inter Connector to suit 4" IPS AL Tube on Main way, 2xMoose ACSR on Branch Way	2	No.	1840	3680
2.3	Terminal Connector on 33kV Neutral Bushing of Transformer to suit 4" IPS AL Tube (Rigid type)	3	No.	1480	4440
2.4	Terminal Connector on 33kV BPI to Suit 4" IPS AL Tube(Rigid/Slide Type)	5	No.	1190	5950
2.5	Terminal Connector on 4" IPS AL Tube to Suit 2 No. 33kV Cable Terminations	4	No.	2290	9160
2.6	Terminal Connector on 4" IPS AL Tube to Suit 1 No. 33kV Cable Termination	2	No.	1145	2290

h

2.7	Terminal Connector on 33kV Horizontal Mounted BPI to suit 75x12mm GS Flat.	4	No.	1080	4320
2.8	Pad Type Compression Clamp to suit 2xMoose ACSR & 75x12mm GS Flat	2	No.	410	820
2.9	Pad Type Compression Clamp to suit 2xMoose ACSR & 4" IPS AL Tube	2	No.	1310	2620
2.10	Corona bell to Suit 4" IPS AL Tube	7	No.	740	5180
2.11	Rigid Spacer to Suit 2xMoose ACSR Conductor with 250mm sub conductor spacing	5	No.	510	2550
2.12	Tee Connector To Suit 2 x Moose ACSR Conductor in all ways	2	No.	1720	3440
2.13	33kV Outdoor Cable Termination Kit to suit 1Cx1000sqmm Cu XLPE Cable	10	No..	3515	35150
2.14	33kV Indoor Cable Termination Kit to suit 1Cx1000sqmm Cu XLPE Cable	6	No..	3235	19410
2.15	33kV Single Tension string hardware assembly without turn buckle for Twin'Moose' ACSR	1	No..	14256	14256
2.16	33kV Single Tension string hardware assembly with turn buckle for Twin 'Moose' ACSR	1	No..	12528	12528
2.17	75 X 12 mm GS Flat	15	mtr	450	6750
2.18	150 NB Pole Structure (as per drawing)	5	No..	12500	62500
2.19	5500 mm long 4" IPS Tube	3	No..	12000	36000
2.20	2000 mm long 4" IPS Tube	2	No..	7000	14000
2.21	33 kV BPI	11	No..	4500	49500
	Sub Total 2				30,24,544
3	Additional price of Tri Vector Meters for ABT features	14	No.	10336	144704
	Sub Total 3				1,44,704
E	TOTAL - 1 to 3				61,69,248

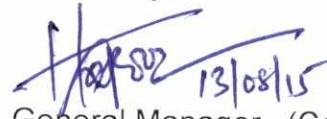
by

Abstract of Cost:

Sr. No.	Description	As per Award (Rs)	To be read as (Rs.)
1	Total Amount on A/C of Additional Qty / Substituted items (D)	2,99,342	6,25,318
2	New items not provided in awarded BOQ (E)	----	61,69,248
	G. Total	2,99,342	67,94,566
	Extra Cost on a/c of Additional / Substituted/new items in addition to awarded amount = Rs. (67,94,566-2,99,342)		64,95,224
	Rs. Sixty Four Lacs Ninety Five Thousand Two Hundred & Twenty Four only		

All other Terms and Conditions of the above Award shall remain unchanged.

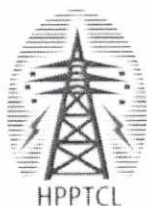
Yours faithfully,

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Dy. General Manager (Contracts)

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3. The General Manager (Projects), HPPTCL, Shimla-2
4. The DGM & Head Transmission (Design), Anu, Hamirpur.
5. The DGM (Projects), HPPTCL, Shimla -2.
6. The DGM (Finance), HPPTCL Shimla-2.
7. Sr. Manager Transmission Division, HPPTCL, Sarabai, Bhunter Distt. Kullu.



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	Sub Total 1				30,00,000
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2.14	33kV Indoor Cable Termination Kit to suit 1Cx1000sqmm Cu XLPE Cable	6	No..	3235	19410
2.15	33kV Single Tension string hardware assembly without turn buckle for Twin'Moose' ACSR	1	No..	14256	14256
2.16	33kV Single Tension string hardware assembly with turn buckle for Twin 'Moose' ACSR	1	No..	12528	12528
2.17	75 X 12 mm GS Flat	15	mtr	450	6750
2.18	150 NB Pole Structure (as per drawing)	5	No..	12500	62500
2.19	5500 mm long 4" IPS Tube	3	No..	12000	36000
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	Sub Total 2				30,24,544
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E	TOTAL - 1 to 3				61,69,248

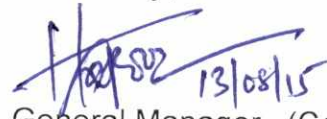
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