

Tentative Estimated Cost

Name of Work:- Estimate for Construction 11KV HT Line to the Un-Electrified Village Shagore , Shakti and Maror in Banjar Block Distt. Kullu (H.P.)		
MAIN ABSTRACT OF COST		
S. No.	DESCRIPTION	Amount
1	Cost of 11KV HT line as per (Annexure-A)	1792846
2	Cost of 11KV HT AB Cable (Annexure-B)	25820576
3	Cost of 11KV Under Ground XLPE Cable (Annexure-C)	8003685
4	Cost of 3 Nos 25KVA DTR	1892518
	<b>TOTAL</b>	<b>37509625</b>

Say Rs. 3,75,09,630 /- only.

Sr Executive Engineer  
Electrical Division,  
HPSEBL, Thalout



## HIMACHAL PRADESH STATE ELECTRICITY BOARD LIMITED

(H.P. GOVT. UNDERTAKING)

Name of Work:- Estimate for Construction 11KV HT Line to the Un-Electrified Village Shagore , Shakti and Maror in Banjar Block Distt. Kullu (H.P.)

## ABSTRACT OF COST HT LINE

Sr. No.	Description	Qty	Rate	Unit	Cost (in Rs)	CD -2022-23 (Page No.)
1	Prov. ACSR 6/1/4.72 (100 mm <sup>2</sup> )	3106	80.36	Mtr.	2,49,578.07	56
2	Prov. Steel Tubular Poles 10 Mtr Long	14	21088	No	2,95,232.00	Stock issue rate
3	Prov. Steel Tubular Poles 9 Mtr Long	0	14344	No	0.00	Stock issue rate
4	Prov. RCC Muffs with concrete filling	14	1769	No	24,766.00	56
5	<b>Run Thro. Structure (Delta Formation)</b> on single pole structure (Adopt 8 Nos. run thro structure per km					
a)	Prov. Cross Arm: [Channel Iron (100x50x6 mm), Length (1270mm i/c tolerance of 100mm either side)x8 structure	8.00	929	No	7,432.00	56
b)	Prov. Angle Iron (50x50x6 mm), Length (2x750) mm 8 structure	16.00	274	No	4,384.00	56
c)	Prov. Pole Top Bracket (MSCI : 100x50x6 mm - 100mm)	8	355	No	2,840.00	56
d)	Prov. 11 kV Pin Insulators (Porcelain, 12 kV, 10 KN, CD-320): 3 No. per single pole structure	24	154	No	3,696.00	56
6	<b>Dead End Structures:</b> (Adopt 3no. Per km) on dubble pole ( prefer along road side )					56
a)	Prov. Belt Set - MS Angle Iron: 50x50x6, Length (1800mm x2 No.)	6.00	658	Nos.	3,948.00	56
7	Prov. X-Bracing Set - MS Angle Iron: 50x50x6, Length 2125 mm x 2No.)	6.00	777	Nos.	4,662.00	56
8	Prov. X-Arm (Horizontal) - MS Channel Iron: 100X50x6, Length (2340 mm x2 No.)	6.00	1711	Nos.	10,266.00	56
9	Prov. Discs insulator sets on Dead End structures (comprising 1 No. Disc (Porcelain, BS, 12 kV, 90 kN) including Dead End Clamps etc.) x (3 No. conductors) x (2 No. sides)	18	1450	set	26,100.00	56
10	11 Kv Pin insulators (Procelain , 12 KV , 10 Kn, CD-320 ): 3 No. per double structure	9	154	No.	1,386.00	56
11	<b>HT Stay / Guy Arrangement</b>					56
a)	Prov. Stay set complete in all respect (1No. / Single Pole , 4 No. / Double Pole Structures) including egg insulator.	20	1070	No	21,400.00	56
b)	Prov. Stay Wire (7/3.15 mm) (10 kg Per Stay Set)	200.00	78	kg	15,600.00	56
12	<b>Earthing</b>				0.00	
a)	Prov. HT Earthing set complete	11	1133	No.	12,463.00	56



b)	Single Continuous Earth wire (GI, 8 SWG) {alongwith 1 wire lengths for avg. one road crossing @ 20 m and Additional 1% (Sag and wastage)} @ 0.102 kg/m	105.08	76	kg	7,986.08	56
c)	Cross Lacings (GI, 8 SWG) [ 2.2 m x 9 Nos @ 2 m spacing] {0.102 kg/m}	2.02	76	kg	153.52	56
d)	Prov. Eye Hook for earth wire	11	50	No	550.00	56
e)	Prov. Earth Wire Clamp	11	273	No	3,003.00	56
f)	MS Angle Iron (50x50x6mm), Length (2800mm for road crossing)	2.00	1024	Mtr.	2,048.00	56
13	Half Clamp	28	158	No	4,424.00	56
14	Full Clamp	28	273	No	7,644.00	56
15	Prov.Danger Plate (250X200X1.6 mm)	10	133	No	1,330.00	56
16	Prov. Nuts and Bolts of Various Sizes (Galvanised / Coated) [Preferably 16 mm $\Phi$ or more (with flat and spring washers)]	125.00	130	kg	16,250.00	56
17	Prov. Barbed Wire	42.00	78	kg	3,276.00	56
18	Red Oxide	21.00	157	Ltr.	3,297.00	56
19	Prov. Aluminium Paint	28.00	344	Ltr.	9,632.00	56
20	<b>Material for GO Switch.</b>					
21	GO Switch 11 kV , 400 Amp , 25kA	1	6443	set	6,443.00	46
22	DO Fuse unit	1	2077	set	2,077.00	46
23	CI-Cross arm Length - 2800mm (75x40x6) mm (2 No.) for supporting GO switch	2.00	430	Mtr.	860.00	46
24	CI-Cross arm Length - 2800mm (75x40x6) mm (2 No.) for supporting DO Fuse Unit	2.00	430	Mtr.	860.00	46
25	CI Cross Arm Length - 750mm (100x50x6)mm for GO Switch Handle	2.00	542	Mtr.	1,084.00	46
26	MS Angle Iron (50x50x6mm), Length (750)mm (knee brace for switch cross arm)	1.00	276	Mtr.	276.00	46
27	Guide Clamp for GO rod	1.00	261	No	261.00	46
28	Add Sundries & Misc. charges to complete the job.		L/S		1,000.00	
	<b>Sub-Total</b>				<b>7,56,207.67</b>	
	Erection Charges of 11 kv HT Line as per Cost data 2022-23	1.025	226098	P/KM	2,31,750.45	P-148
	Transportation Charges as per CD 2022-23	1	10060.00	Job	10,060.00	P-166
	Add manual carriage of HT line material from road head to site of erection average lead 10 Km	1.025	44332	P/KM	4,54,403.00	P-166
	Contingency charges on Total cost of material @ 3%				22,686.23	P-56
	<b>Sub-Total</b>				<b>14,75,107.35</b>	
	1% Labour cess				14,751.07	
	Add GST @ 18%. On Trans. Charges, Erection and Manual carriage	696213			1,25,318.42	
	<b>Sub-Total</b>				<b>16,15,176.84</b>	
	Add 11% D.C.				1,77,669.45	
	<b>G-TOTAL</b>				<b>17,92,846.30</b>	

Sr Executive Engineer  
Electrical Division,  
HPSEBL, Thalout

Name of Work:- Estimate for Construction 11KV HT Line to the Un-Electrified Village Shagore , Shakti and Maror in Banjar Block Distt. Kullu (H.P.)

Cost abstract 11KV HT				AB Cable		
Sr. No	Sub Head & Item of work	Qty	Rate	Unit	Amount	Page No
1	11 KV AB Cable (3*70+95 mm <sup>2</sup> )X2 Cables {additional 1% sagging & wastage}	18335.54	588	mtr	10781298	P-8
2	Prov. S/T Pole 9 mtr long	300	14500	No	4350000	Stock Rate
3	Prov. S/T Pole 10 mtr long	0	21088	No	0	Stock Rate
4	Prov .RCC Muff with concreting	300	1769	No	530700	P-64
5	MS C.I X-arm 100*50*6mm, Length(600mm)	300	439	No	131700	P-64
6	Stay set Complete	300	1070	No	321000	P-64
7	Stay Wire(7/3.15mm)(7.0 kg per stay set)	2097	78	Kg	163566	P-64
8	Full Clamp for stay	300	273	No	81900	P-64
9	Half Clamp for cross arm	300	153	No	45900	P-64
10	Anchoring Assembly for HT	309	345	No	106605	P-64
11	Suspension Assembly for HT	290	273	No	79170	P-64
12	Façade Hooks for HT	599	95	No	56905	P-64
13	Heat Shrinkable atraight Through Jointing Kit	18	5470	Set	98460	P-64
14	Cable Termination Kit	36	7657	Set	275652	P-64
15	T-Jointing Kit	36	6016	Set	216576	P-64
16	HT Earthing Set Complete	300	1133	No	339900	P-64
17	Nuts & Bolts off size	454	118	kg	53572	P-64
20	Red Oxide	449	157	Ltr	70493	P-64
21	Aluminium paint	599	344	Ltr	206056	P-64
22	Add sundries & Misc charges to complete the job				10000	
	<b>Sub- Total</b>				<b>17919453</b>	
	Add 3% contigency charges				537584	
	Add Transp. Charges as per Cost Data 2022-23	1	10060	Job	10060	P-166
	Erection Charges of 11kv HT Line with AB Cable	9.077	337957	P/km	3067636	P-64
	Add Manual Carriage of material from road head to site of erection average lead 1KM	9.077	88664	P/km	804803	P-166
	<b>Sub-Total</b>				<b>22339535</b>	
	Add 1% Labour cess on total material +(contigency+Erection+Transportation) Charges				223395	
	Add GST@18% on Transportation, Errection as per Cost Data 2022-23		3882499		698850	
	<b>Sub-Total</b>				<b>23261780</b>	
	Dept. Charges @11% on total cost				2558796	
	<b>Grand Total</b>				<b>25820576</b>	

Sr Executive Engineer  
Electrical Division,  
HPSEBL, Thalout



**HIMACHAL PRADESH STATE ELECTRICITY BOARD LIMITED**

**(H.P. GOVT. UNDERTAKING)**

**Name of Work:- Estimate for Construction 11KV HT Line to the Un-Electrified Village Shagore , Shakti and Maror in Banjar Block Distt. Kullu (H.P.)**

**Cost abstract 11KV HT (Under Ground XLPE Cable)**

Sr. No	Sub Head & Item of work	Qty	Rate	Unit	Amount	Page No
1	33 kv AL59ACS XLPE Cable [size : (3x105 sq.mm){additional 1% wastage}]	2036	499	MTR	1015964	market rate
2	11kv Cable Straight Through Jointing kit [Size : 3x105 sq. mm]	4	11550	PER-SET	46200	P-10
3	11kv Cable Indoor Termination Kit [Size: 3X105 sq. mm]	4	3800	PER-SET	15200	P-9
4	11 kv Cable Outdoor Termination Kit [Size: 3X105 sq. Mm]	4	6950	No	27800	P-10
5	RCC Cable cover (2 Feet Long)	3392	266	No	902272	P-65
6	Sand Bag(50 Kg)	1000	44	No	44000	P-65
7	Route and Joint indicating stone	60	142	No	8520	P-65
8	Inspection chamber	8	4047	No	32376	P-65
9	GI Pipe earthing 40mm x 2.5/3m'B' class	4	667	No	2668	P-65
10	Pipe HDPE Size 25mm	12	110	Mtr	1320	P-65
11	Lug AL Crimping 70 sqmm XLPE Single HOLE	16	22	No	352	P-65
12	Flat GI Size 25x6 mm	14	56	kg	784	P-65
13	Cleat HDPE for Cable Support	8	835	kg	6680	P-65
14	G.I. Pipe 100 mm DIA 'B' Class	12	820	No	9840	P-65
15	Flat G.I. Size 50x6 mm	20	56	No	1120	P-65
16	Channel MS Size 75x40 mm	120	71	No	8520	P-65
17	Warning Tape (Printed PE UG utility protection)	2000	157	Mtr	314000	P-65
18	Misc. Matirial Like nuts and bolts, Lugs etc. @ 0.5% of the matirial cost				13688	P-65
19	excavation charges	846.72	171	CUM	144789	P-166
21	Add sundries & Misc charges to complete the job				10000	
	<b>Sub-Total</b>				<b>2606093</b>	
	Add 3% contigency charges				78183	P-65
	Add Transport Charges	1	10060	Job	10060	P-166
	Erection Charges of 11kv HT Line with UG Cable	2.016	246721	km	497390	P-65
	Add Manual Carriage of material from road head to site of erection average lead 18.314 KM	2.016	88664	P/km	3273566	P-166
	<b>Sub-Total</b>				<b>6465291</b>	
	Add 1% Labour ccess on total material +(contigency+Erection+Transportation) Charges				64653	
	Add GST@18% on Transpotation, manual and erection		3781015		680583	
	<b>Sub-Total</b>				<b>7210527</b>	
	Dept. Charges @11% on total cost				793158	
	<b>Grand Total</b>				<b>8003685</b>	

Sr Executive Engineer  
Electrical Division,  
HPSEBL, Thalout

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## Electronic & Electrical Industries

Manufactures of : LT-Distribution Boards, Panels, Kit Kats, Switch Gears, H.T. & L.T. Items, Safevolt (UK) HT Panels, Adhesive & Cables, Tapes and All types of Steel Fabrication, (Class "A" Regd. Electrical Contractor)  
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**Factory :-**

Shed No. 8, Industrial Area Pahse-I  
MANDI (H.P.) Ph. : 235157 Res. 236021  
Email : ashokahptender1965@gmail.com

Ref.No.AEE-003260

Dated:- 06.01.2023

"BUDGETARY OFFER"

To

The Sr. Executive Engineer  
Electrical Division  
HPSEBL Thalout

Subject:- Budgetary Offer.

Sir,

With Reference to your intimation, we are giving our lowest possible rates as below:-

S.No.	Description	Unit	Qty.	Rate
1	33KV AL59ACS XLPE Covered Conductors 105 Sq.mm.( Dog)	KM	1	4.99.000/-

**Terms and Conditions: -**

- 1 GST shall be charged @ 18% Extra.
- 2 100% payment will be received in 60 days after the supply of material.
- 3 Material will be supplied within 60 days.
- 4 The above rates are F.O.R. destination anywhere in H.P

Thanking You.

Yours Faithfully.

**\*H.P.STATE ELECTRICITY BOARD LTD\***

Name of Work :- Estimate for providing Supply of Power to The Un-Electrified Vill. Shagore, Shakti, &amp; Maror in Banjar Block Distt. Kullu H.P.

**ABSTRACT OF COST****(25 KVA DTR.)**

Sl. No.	Description	Qty	Rate	Unit	Cost (in Rs) / Km	CD-2022-23 Page No.
1	Distribution Transformer (Ordinary), 11/0.4 kV, 25 KVA	1	49988	No	49988	P-73
2	Steel Tubular Poles (9.00 mtr long.)	2	14344	No	28688	SI
3	Muffs with concrete filling	2	1769	No	3538	73
4	X-Arm: [Channel Iron (100x50x6 mm), Length : 2800 mm X 2 Nos for incomer line	2	2048	No	4096	73
5	MS angle Iron (50X50x6 mm), Length : 2800 mm x 1 Nos for LA	1	1024	No	1024	73
6	X-Arm: [Channel Iron (75x40x6 mm), Length : 2800 mm X 4 Nos] for supporting DO fuse unit & GO switch	4	1558	No	6232	73
7	<b>Transformer bed, belting &amp; Knee Bracing</b>					
a	X-Arm Channel Iron (100x50x6mm),Length :2800mmx2Nos Transformer Bed	2	2048	No	4096	73
b	X-Arm Channel Iron (100x50x6mm),Length :460mmx2Nos supporting main channel Transformer	2	336	No	672	73
c	MS angle Iron (50X50x6 mm), Length : (2800 mm) x 2 Nos	2	1024	No	2048	73
d	MS angle Iron (35X35x5 mm), Length : (460 mm) x 2 Nos	2	115	No	230	73
e	MS angle Iron (50X50x6 mm), Length : (950 mm) x 2 Nos for Bed Nee Bracing	2	347	No	694	73
8	<b>Transformer LT Distribution Box and GO Switch fixing Assembly</b>					
a	MS angle Iron (50X50x6 mm), Length : (2800 mm) x 2 Nos	2	1024	No	2048	73
b	MS angle Iron (50X50x6 mm), Length : (450 mm) x 2 Nos	1	165	No	165	73
c	GO switch handle Supporting : (Channel iron (75x40x6 mm), Length: 460mm.	1	256	No	256	73
9	GO switch unit (11kv, 400A, 25KV) Tripple pole O/D type.	1	6793	No	6793	73
10	D.O Fuse Unit	1	2173	Set.	2173	73
11	Surge Arrester, 9 kV Station Class (Porcelain Type)	3	1167	No	3501	73
12	Discs insulator sets (comprising 1 No. Disc: ^^ (Porcelain, BS, 12 kV, 90 kN) including Dead End Clamps etc.)	3	1464	Set	4392	73
13	Stay set complete	4	1070	Set.	4280	73
14	Stay Wire (7/3.15 mm) (7kg Per Stay Set)	28	78	Kg	2184	73
15	Pipe Earthing Set	3	3390	Set	10170	73
16	LT Distribution Panel Box with MCCB(40A, 25kA, 4P, 1 No.) and SFU(16A, 4 No, rewirable)	1	13342	Set	13342	73
17	Half Clamp (M.S. Flat 50x5 mm)	17	158	No	2686	73
18	Full Clamp (M.S. Flat 50x5 mm)	9	273	No	2457	73
19	Nuts and Bolts of Various Sizes (Galvanised / Coated) [Preferably 16 mm $\Phi$ or more (with flat and spring washers)]	27	118	Kg	3186	73
20	Aluminium Thimble	16	42	No	672	73
21	Aluminium Thimble	4	337	No	1348	73
22	Barbed wire	15	78	Kg	1170	73
23	Danger Plate	1	104	No	104	73
24	Eney meter (3-Phase, 4-Wire ) DLMS compliant 50A CT Type for 25 KVA Transformer	1	14310	No	14310	73
25	Aluminium Paint.	4	344	Ltr	1376	73
26	LT Cable (3.5 core ) 35 mm <sup>2</sup>	15	108	Mtr.	1620	73



27	LT Switch capacitor 9-KVA for 25 KVA (Rate per KVA)	9	795	No	7155	73
	Add sundries MISC. charges to complete the job				1000	
	<b>Total</b>				<b>187694</b>	
	Add 3% contingency charges				5631	73
	Add Transportation charges as per cost data 2022-23	1	10060	Job	10060	166
	Add Manual Carriage for 25Kva S/stn. An avg. lead 15 km	15	12637	PKM	189555	166
	Add Erection charges as per cost data 2022-23.				83922	74
	<b>Sub-Total</b>				<b>476862</b>	
	1% Labour cess				4769	
	<b>Sub-Total</b>				<b>481630</b>	
	Add 18% GST				86693	
	<b>Sub-Total</b>				<b>568324</b>	
	Add 11% D.C.				62516	
	<b>G-TOTAL</b>				<b>630840</b>	

Total cost of DTR's = 3 x 630840 = Rs. 1892518/-

**Sr. Executive Engineer**  
**Electrical Division**  
**HPPSEBL, Thalour**

