

Name of Work :- Upgradation of Electrical infrastructure at The Lawrence School located Sanawar Kasauli Solan Himachal Pradesh

Price Bid

S.No.	Description	Amount in Rs.	Remarks
1	Cost of metering Structure (Annexure-A)		
2	Cost of 11 KV HT Line (Annexure-B)		
3	Cost of Tapping Structure (Annexure-C)		
4	Cost of 11/0.4 KV 630KVA DTr with Copper earthing (Annexure-D)		
5	Cost of AB LT Cable and LT Pannels (Annexure-E)		
6	Cost of Retaining Wall-1 (with Road Side) and RCC wall from down side and masonry work such as pillars complete railing and fencing etc in substation area and panels rooms (Annexure-F)		
	Grand Total		

Abstract of Cost (11KV Metering Structure) (Annexure-A)					
Sr. No.	Description	Qty.	Unit	Rate	Amount
A	Supply Part of Metering Structure				
1	Prov. PVC multistand 4mm ² Copper wire with 1" GI pipe for concealing.	1	Job		
2	Prov: Steel Tubular Poles 9mtr Long	2	No		
3	Prov. Muffs with concrete filling	2	No		
4	Prov. X-Arm: [Channel Iron (100x50x5 mm), Length : 2800 mm X 4 Nos]	4	No		
5	Prov. X-Arm: [Channel Iron (75x40x5 mm), Length : 2800 mm X 4 Nos] for supporting DO fuse unit & GO switch	4	No		
6	Prov. X-Arm [Channel Iron (100x50x5 mm), Length : 460 mm x 2 Nos for supporting Main Channel of Transformer]	2	No		
7	Prov. MS Angle Iron (50X50x5 mm), Length: 2800 mm x(1 Nos for LA's + 2 No. for HT meter)	1	No		
8	Prov. MS Angle Iron (50x50x5 mm), Length: 2800 mm x2 Nos	4	No		
9	Prov. MS Angle Iron (35X35x5 mm), Length: 460 mm x2 Nos	2	No		
10	Prov. GO AB Switch Unit (11kV, 400A, 25 KA)	1	Set.		
11	Prov. D.O Fuse Unit	1	Set.		
12	Prov. Surge Arrester, 9 kV Station Class (Porcelain Type)	3	No		
13	Prov. Discs insulator sets i/c Dead End Clamps , ball cleave eye socket and bend stepples etc.)	9	Set.		
14	Prov. Stay set complete	4	Set.		
15	Prov. Stay Wire (7/3.15 mm) (6.0 kg Per Stay Set)	24	Kg.		
16	Prov. Pipe Earthing Set	3	Set.		
17	Prov. Half Clamp (M.S. Flat 50X6 mm)	17	No.		
18	Prov. Full Clamp (M.S. Flat 50X6 mm)	5	No.		
19	Prov. Nuts and Bolts of Various Sizes .	26	Kg.		
20	Prov. Aluminium Thimble	20	No		
21	Prov. Aluminium Thimble	36	No		
22	Prov. Danger Plate	2	No		
23	Prov. Barbed Wire	15	Kg.		
25	Prov. Aluminium Paint.	4	Ltr		
26	Prov. Red Oxide Paint	3	Ltr		
27	Prov: Trmination Kit	2	No		
B	Erection Part of Metering Structure				
1	Erection of 11KV metering structure complete in all respect i.e Digging of pit for pole 2 no's for poles Drilling of holes in X-arms & poles preparation of plateform STR with member C.I.A. i.e X-arms and knee bracing set erection of D/poles erection of Plate form erection of x-arms erection of GO switch dropout fuse unit LA Multicore cables erectgion of CT/PT Unit on structure erection of 3 no's pipe type earthing set erection of 2 no's stay set erection of barbed wire prov earth connection to CT/PT unit GO switch and LA erection of jumpers erection of chain link fencing around structure and painting complete in all respect as per direction of engeneer in charge.	1	Job		
	TOTAL:-				
	Add GST 18%				
	G.Total				

Abstract of Cost Tapping Structure (Annexure-C)

S. No.	Description	Qty.	Unit	Rate	Amount
1	Prov. Steel Tubular Poles 9mtr long.	2	No		
2	Prov. Muffs with concrete filling	2	No		
3	Prov. X-Arm: [Channel Iron (100x50x5 mm), Length : 2800 mm X 4 Nos]	4	No		
4	Prov. X-Arm: [Channel Iron (75x40x5 mm), Length : 2800 mm X 4 Nos] for supporting DO fuse unit & GO switch	4	No		
5	Prov. MS Angle Iron (50X50x5 mm), Length: 2800 mm x(1 Nos for LA's + 2 No. for HT meter)	1	No		
6	Prov. MS Angle Iron (50x50x5 mm), Length: 2800 mm x2 Nos	4	No		
7	Prov. GO AB Switch Unit (11kV, 400A, 25 KA)	1	Set.		
8	Prov. D.O Fuse Unit	1	Set.		
9	Prov. Surge Arrester, 9 kV Station Class (Porcelain Type)	3	No		
10	Prov. Discs insulator sets i/c Dead End Clamps , ball cleave eye socket and bend stepples etc.)	9	Set.		
11	Prov. Stay set complete	2	Set.		
12	Prov. Stay Wire (7/3.15 mm) (6.0 kg Per Stay Set)	12	Kg.		
13	Prov. Half Clamp (M.S. Flat 50X6 mm)	17	No.		
14	Prov. Full Clamp (M.S. Flat 50X6 mm)	5	No.		
15	Prov. Nuts and Bolts of Various Sizes .	26	Kg.		
16	Prov. Aluminium Thimble	20	No		
17	Prov. Aluminium Thimble	36	No		
18	Prov. Danger Plate	2	No		
19	Prov. Barbed Wire	15	Kg.		
20	Prov. Aluminium Paint.	4	Ltr		
21	Prov. Red Oxide Paint	3	Ltr		
B	Erection Part of Tapping Structure				
1	Erection of Tapping Structure erection of HT steel pole 9mtr long pole Double Structure Digging of pit and ramming fixing of insualtor x-arms knee bracing set top clamps Drilling of holes in x-arms fixing of barbed wire and erection of pole.	1	Job		
2	Erection of stay set Digging of pit fixing of stay rod fillingof pit & Nozzeling & tighting & filling of pit	4	No		
3	Erection of GO Switch complete in all resepect	1	No		
	TOTAL:-				
	Add GST 18%				
	G. Total				

Abstract of Cost (11 KV HT line)					Annexure-B
S. No.	Description	Qty	Unit	Rate	Amount
A	Supply Part Of HT Line				
1	Prov. 11KV Ab Cable (3X120mm ²) 400x2=800 one for 0 Power Failure	800	m		
2	Prov. Steel tubular pole 13 mtr, Long	8	No		
3	Prov. Muffs with concrete filling	8	No		
4	Stay set complete in all respect.	8	No.		
5	Stay Wire (7/3.15 mm) (10.0 kg Per Stay Set)	80	KG.		
6	Pipe Earthing	8	No		
7	Full Clamps	8	No		
8	X-arm (horizontal)M-S Channel Iron:100X50X6X600mm	8	No		
9	Half Clamps	16	No		
10	Anchoring Assembly for HT	8	No		
11	Suspension Assembly for HT	8	No		
12	Façade Hooks for HT	8	No		
13	Heat Shrinkable Straight Through Kointing Kit	8	No		
14	Cable Trmination Kit	8	No		
B	Erection Part of HT Line				
1	Erection of HT Steel Pole 13mtr Long single pole Digging of pit filling of pit and ramming fixing of insualtor x-arms knee bracing set top clamp drilling of holes in x-arms fixing of barbed wire and Painting of pole.	8	No		
2	Laying of AB Cable Laying of Cable Installtion of Susension and tension assembly etc sagging of AB Cable and Heatshrinkable Cable Jointing /T- Joint)	800	Mtr		
3	Erection of stay set Digging of pit fixing of stay rod fillingof pit & Nozzeling & tightening & filling of pit	8	No		
4	Erection of Earthing set HT:- Digging of pit & Filling of pit & fixing of stay rod and nozzling & tightening etc complete in all respect	8	No		
5	Erection of Stay wire	90	KG.		
6	Erection of Muffs	8	No		
7	Erection Charges of Full Clamps	8	No		
8	Erection Charges ofX-arm (horizontal)M-S Channel Iron:100X50X6X600mm	8	No		
9	Erection Charges of Half Clamps	16	No		
10	Erection Charges of Anchoring Assembly for Ht	8	No		
11	Erection Charges of Suspension Assembly for Ht	8	No		
12	Erection Charges of Façade Hooks for HT	8	No		
13	Erection Charges of Heat Shrinkable Straight Through Kointing Kit	8	No		
14	Erection Charges of Cable Trmination Kit	8	No		
	Total				
	Add GST 18%				
	G. Total				

Abstract of 11/0.4 KV ,630KVA S/Stn a/w OLC VCB					Annexure-D
Sr. No	Description	Unit	Qty	Rate	Amount
A	Supply Part of 630KVA DTR				
1	11/0.4KV DISTRIBUTION TRANSFORMER 630 KVA Compact Substation (CSS) alongwith OLC VCB and all accessories etc. (Dry Type)including RMU as per speacfication	No	1		
2	11/0.4KV DISTRIBUTION TRANSFORMER 630 KVA Substation alongwith OLC VCB and all accessories etc.(Oil type) including RMU as per speacfication	No	1		
3	Main LT Panel and APFC & AMF Panels with ATS Specification Attached	No	1		
4	Prov. XLPE cable Single 300mm2	Mtr.	200		
5	Prov. XLPE cable Single 240mm3	Mtr.	20		
6	Chain Link Fancing , Angle iron Gate for the trasformer Fencing	Job	1		
7	Pipe Earthing Copper	No	25		
8	Copper Strip 25*3 for Connectivity of Earthing	Mtr.	1000		
B	Erection Part				
1	11/0.4KV DISTRIBUTION TRANSFORMER 630 KVA Compact Substation (CSS) alongwith OLC VCB and all accessories etc. (Dry Type)including RMU as per speacfication	No	1		
2	11/0.4KV DISTRIBUTION TRANSFORMER 630 KVA Substation alongwith OLC VCB and all accessories etc.(Oil type)including RMU as per speacfication	No	1		
3	Erection of Main LT Panel and APFC & AMF Panels with ATS Specification Attached	No	1		
4	Erection of XLPE cable Single 300mm2	Mtr.	200		
5	Prov. XLPE cable Single 240mm3	Mtr.	20		
6	Erection of Chain Link Fancing , Angle iron Gate for the trasformer Fencing	Job	1		
7	Erection of Earthing set :- Digging of pit & Filling of pit & fixing of stay rod and nozzling & tighting etc complete in all respect	No	25		
8	Erection of Copper Strip Laying and Connting of Transformer & panel	Mtr.	1000		
	Total				
	Add GST 18%				
	G.Total				

Abstract of Cost (LT line)					Annexure-E
S. No	Description	Qty	Unit	Rate	Amount
A	Supply Part				
1	Prov. LT Cable (300mm ²) (400X4)	1800	mtr		
2	Prov. LT Cable (150mm ²) (750X2)	1600	mtr		
2	Prov. LT Cable (120mm ²)	50	mtr		
3	Supply of the LT distrbution panel 400 AMP for power load .as per speacfication attached.	2	No		
4	Supply of the LT distrbution panel 250 AMP for Lighting load .as per speacfication attached.	3	No		
B	Erection Part				
1	Erection of 300mm ² 3.5 core LT cable(Laying ,digging,filling,thimbling complete with all respect.	1800	mtr		
2	Erection of 150mm ² 3.5 core LT cable(Laying ,digging,filling,thimbling complete with all respect.	1600	mtr		
3	Erection of 120mm ² 3.5 core LT cable(Laying ,digging,filling,thimbling complete with all respect.	50	mtr		
4	Erection of the LT distrbution panel 400 AMP for power load .as per speacfication attached.	2	No		
5	Erection of the LT distrbution panel 250 AMP for Lighting load .as per speacfication attached.	3	No		
	Total				
	Add GST 18%				
	G.Total				