

PRICE BID

1. Name of work: Construction of entrance gate at the land for proposed 132/33kV Ghilamara GSS					
Sl No.	DESCRIPTION	QTY	UNIT	RATE (Inclusive of taxes)	AMOUNT (Rs.)
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. 2.6.1 All kinds of soil	0.09	Cum		
2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 5.1.2 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) Total = 0.591 Cum	0.591	Cum		
3	Centering and shuttering including strutting, propping etc. and removal of form for 5.9.1 Foundations, footings, bases of columns, etc. for mass concrete	6.6	Sqm		
4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 5.22.6 Thermo-Mechanically Treated bars of grade Fe-500D or more. Total = 43.88 kg	43.88	kg		
5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. Using 6 mm thick plate and width 600mm (unit weight 47.1 Kg/m2). Total Area = 2x1.68x.6 = 2.016 sqm	193.78	kg		
PAINTING					
6	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture. Qty.	11.83	Sqm.		

7	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. 13.52.1 On steel work	11.83	Sqm.		
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : 13.61.1 Two or more coats on new work	6.60	Sqm		
Total Amount =					
No. of Gates =					2.00
Grand Total=					
Say =					

2. Name of work: Estimate for Construction of barbed wire boundary fencing at the land for proposed 132/33 kV Ghilamara GSS

Sl No	Description of item	Unit	Qty	Rate(inclusive of taxes)	Amount
1	<p>Supply of galvanised steel barbed wire of 9.8 kg /100metre Total length of barbed wire required :-</p> <p>Plot 1: Horizontal- 5x 730 mtr x 9.8 kg/ 100 mtr =357.7 kg= 3.6 quintal(approx) Cross Diagonal- 2x185x4.32 mtr x 9.8/100mtr = 156.64 kg = 1.6 quintal(approx)</p> <p>Plot 2: Horizontal- 5x 385 mtr x 9.8 kg/ 100 mtr =188.65 kg= 1.9 quintal(approx) Cross Diagonal- 2x98x4.32 mtr x 9.8/100mtr = 82.97 kg = 0.83 quintal(approx) Total = 7.93 quintal (approx)</p>	quintal	7.93		
2	Carriage of galvanised steel barbed wire	tonne	7.93		
3	<p>Supplying at site : 16.15.1 R.C.C. Standards post/ struts/rails/ pales of mix 1:1.5:3 (1 cement : 1.5 coarsesand : 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer-in charge (cost of earth works in excavation, concrete works in foundation to be paid separately). Volume of one post= 2.134mx0.125mx0.125m= 0.033 cum</p> <p>Plot 1: Total no of post required for a bounadry length of 730 mtr with posts installed at a distance of 4 mt --190 nos. (approx) Volume of 190 post= 6.27 cum</p> <p>Plot 2: Total no of post required for a bounadry length of 385 mtr with posts installed at a distance of 4 mt --103 nos. (approx) Volume of 103 post= 3.4 cum Total: 9.67 cum</p>	cum	9.67		

4	<p>Supplying and fixing turn buckles and straining bolts for barbed wire fencing.</p> <p>Plot 1: Total No required installing per 30 mtr= $5 \times 730 \text{ mtr} / 30 \text{ mtr} = 125$ nos</p> <p>Plot 2: Total No required installing per 30 mtr= $5 \times 385 \text{ mtr} / 30 \text{ mtr} = 66$ nos Total= 191 nos</p>	each set	191		
5	<p>Providing Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire tied to 6 mm bar nibs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) :- Payment to be made per metre cost of total length of barbed wire used.</p> <p>16.17.1 With G.I. barbed wire Quantity of barbed wire to be installed</p> <p>Plot 1: Horizontal- $5 \times 730 \text{ metre} = 3650 \text{ metre}$ Cross Diagonal- $2 \times 185 \times 4.32 \text{ metre} = 1598.4 \text{ metre}$</p> <p>Plot 2 Horizontal- $5 \times 385 \text{ metre} = 1925 \text{ metre}$ <u>Cross Diagonal- $2 \times 98 \times 4.32 \text{ metre} = 846.72 \text{ metre}$</u> Total= $8020.12 = 8025 \text{ metre (approx)}$</p>	metre	8025		
6	<p>Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge:</p> <p>2.1.1 All kinds of soil quantity required= $293 \times 0.5 \text{ mtr} \times 0.5 \text{ mtr} = 73.25 \text{ sqm}$</p>	sqm	73.25		
7	<p>Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS:9103.....as per direction of engineer-in-charge</p> <p>4.20.1 All works upto plinth level : 4.20.1.1 Concrete of M10 grade with minimum cement content of 220 kg /cum Quantity- $293 \times 0.2 \text{ mtr} \times 0.2 \text{ mtr} \times 0.5 \text{ mtr} = 5.86 \text{ mtr}$</p>	cum	5.86		

8	Supply,fitting and fixing of reflective Sign board Size- 8ft x4 ft	No	2		
9	Site Clearance (cleaning of vegetation, removal of temporary existing fencing,posts etc, levelling etc)	job	1		
Total-Rs					
Say-Rs					

Summary

Sl. No.	Name of work	Amount(Rs)
1	Construction of entrance gate at the land for proposed 132/33kV Ghilamara GSS	
2	Estimate for Construction of barbed wire boundary fencing at the land for proposed 132/33 kV Ghilamara GSS	
	Grand Total-Rs	
in words:		