

**Bid sheet for Repairing and Modification of the Existing Fencing on the Southern side of the  
Sub-Station at EPIP-I, MePTCL, Byrnihat.**

Sl./Item No.	Description of Work	Quantity	Unit	Rate (₹)	Amount (₹)
1	Demolishing stone rubble masonry including slacking of serviceable material and disposal Of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. a) $7.5 \times 0.3 \times 2 = 4.5$ cu.m b) $5.0 \times 0.3 \times 2 = 3.0$ cu.m	7.5	cu.m		
2	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.	80 (approx)	KG		
3	Earthwork in excavation by manual means up to a depth of 2m .....following classification of soils. b). In ordinary rock (soft rock/medium rock/ hard shale) i) $1 \times 0.5 \times 7.5 = 3.75$ cu.m. ii) $1 \times 0.5 \times 5.0 = 2.50$ cu.m.	6.25	cu.m		
4	Providing regular stone masonry in retaining walls etc. with.....not less than $25 \times 25 \times 30$ cm.....weep holes at 1.20 to 1.50 metres apart staggered. i). $2 \times 0.5 \times 7.5 = 7.5$ cu.m. ii). $2 \times 0.5 \times 5.0 = 5.0$ cu.m.	12.5	cu.m		
5	<b><u>Shuttering/formwork</u></b> Centering and shuttering Including strutting, propping etc. and removal of form for all heights complete and as directed by Engineer in charge. Columns, Pillars, Piers, Abutments, Posts and struts (using steel). $0.125 \times (12.5 + 3.6) = 2.013$ sq.m	2.013	sq.m		
6	<b><u>I. REINFORCED CEMENT CONCRETE( Cast in-situ)</u></b> Reinforced cement concrete work in walls (any thickness),..... columns,pillars, posts and struts etc. ....excluding cost of centering, shuttering, finishing and reinforcement: a) M15 or Prop.1 :2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size). $0.125 \times 0.125 \times (12.5 + 3.6) = 0.252$ cu.m	0.252	cu.m		

	<b>II. Reinforcement</b> Supplying, fitting and fixing in position reinforcement bars up.....supplying and binding with 20 G annealed black wire..... (Rates inclusive of all wastage,.....for the same is required). b). High Yield Strength Deformed bars or Tor Bars. i). <u>For Tie Beam</u> $\Phi 16 \text{ mm} : 4 \times 13 \text{ m} = 52 \text{ m} \times 1.58 \text{ Kg/m}$ $= 82.16 \text{ Kg} = 0.82 \text{ Qtl}$ $\Phi 8 \text{ mm}(\text{Stirrup @ } 150\text{mm apart}) :$ $87 \times 0.4 \text{ m} = 34.8 \text{ m} \times 0.395 \text{ Kg/m}$ $= 13.75 \text{ Kg} = 0.14 \text{ Qtl}$ ii). <u>For Column</u> $\Phi 16 \text{ mm} : 3(4 \times 1.2) \text{ m} = 14.4 \text{ m} \times 1.58 \text{ Kg/m}$ $= 22.75 \text{ Kg} = 0.23 \text{ Qtl}$ $\Phi 8 \text{ mm}(\text{Stirrup @ } 150\text{mm apart}) :$ $24 \times 0.4 \text{ m} = 9.6 \text{ m} \times 0.395 \text{ Kg/m}$ $= 3.792 \text{ Kg} = 0.04 \text{ Qtl}$	1.23	Qntl		
7	Brick work with common burnt clay modular 1st class bricks in foundation and in plinth: a) Cement mortar 1 :4 (1 cement: 4 coarse sand) $1.2 \times 0.125 \times 205 = 30.75 \text{ cu.m}$	30.75	cu.m		
8	12 mm cement plaster of mix: a) 1:4 (1:cement, 4: fine sand) $2(1.2 \times 205) = 492 \text{ sq.m}$	492	sq.m		
9	White washing with lime to give an even shade: a) New work (three or more coats) $2(1.2 \times 205) = 492 \text{ sq.m}$	492	sq.m		
10	Fencing with angle iron post placed at required distance .....with horizontal wires, of barbed wire.....Payment to be made per metre cost of total length of barbed wire used. a) With GI barbed wire. (Coiling taken @ 4 m per 1 m length of the wall) (Horizontal wire= $3 \times 205 = 615 \text{ mtr}$ )	1435	r.m.		
11	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes up to 10 mm dia. etc. complete. (Angle size: 50mm x 50mm x 6mm x 1 mtr) 82 nos. * 4.46 Kg per mtr.	365.72	KG		
	<b>TOTAL</b>				

**Rupees( ) Only**

**Signature of the Bidder**