

ESTIMATE

Name of work - Provision of Fencing around all types of quarters in NIT Rourkela

Sl.No	Description of Item	Unit	Rate	Quantity	Amount
1	Earthwork in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (Exceeding 30Cm in depth 1.5m in width as well as 10 Sq.M on Plan) including dressing of sides and ramming of bottoms including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50Mtr. (All kinds of Soil)	Cum	116.41	2100.00	244461.00
2	Supplying and filling in plinth with river sand under floors including watering ramming consolidating and dressing complete.	Cum	273.14	200.00	54628.00
3	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 Cm deep and disposal of rubbish , Lead upto 50M and lift upto 1.5M	100 Sq.M	564.19	12600.00	71087.94
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:2:4 (1 Cement : 2 sand:4 Coarse Aggregate 20mm Down)	Cum	4065.29	40.00	162611.60
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:4:8 (1 Cement : 4 sand:8 Coarse Aggregate 40mm Down)	Cum	3077.31	375.00	1153991.25
6	Brick work with F.P.S bricks of class designation 75 in foundation and plinth in cement mortar 1:6 (1cement: 6 Sand)	Cum	2963.50	1700.00	5037950.00
7	Structural steel work in single section fixed with or without connecting plate including cutting hoisting fixing in position and applying coat of approved steel primer complete.	Kg	51.05	12500.00	638125.00

8	12mm cement plaster of mix 1:6 (1 cement: 6 Sand)	Sq.M 72.96	12000.00	875520.00
9	Finishing walls with deluxe multi surface paint system for interiors and exteriors using primer as per manufacturers specifications: New work (two or more coat applied @1.25lit/10 Sq.M) over and including one coat of special primer applied @0.75 Ltr/10 Sq.M	Sq.M 80.55	12000.00	966600.00
10	Painting with aluminium enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work	Sq.M 50.71	450.00	22819.50
11	Dismantling and stacking within 50mtr lead , fencing posts or struts including all earth work and dismantling of concrete etc in base of : R.C.C. Fence post	Each 55.37	5250.00	290692.50
12	Dismantling barbed wire or flexible rope in fencing including making rolls and stacking within the 50 mtr lead	Kg 6.12	6300.00	38556.00
13	Providing and fixing GI chain link fencing of 3"*3" mesh from 11 gauge wire. It should be installed by securely affixing it to reinforce angle iron poles.	Sqm 213.03	7200.00	1533816.00
14	Fencing with R.C.C post placed at required distance, embedded in cement concrete blocks be provided with horizontal lines and two diagonals of barbed wire 14.5 kg/100 meteres (minimum between two posts fitted and fixed with G.I staple or G.I binding wire tied to 6mm bar nibs fixed while casting the post .Cost of R.C.C. post struts, earth work and concrete to be paid for separately):- payment to be made per metre cost of total length of barbed wire used	Rm 15.81	46200.00	730422.00
15	Supplying at Site: R.C.C. standard size of 1.8mt lenght,150*150 mm base section and 100*100 mm top section posts of Mix 1:1.5:3 (1 cement: 1.5 sand: 3 coarse aggregate) 6mm bar nibs, wherever required as per drawing and direction of Engineer in Charge (cost of earth work and concrete work to be paid separately)	Each 342.82	1750.00	599935.00

16 Conveyance of Materials such as stone metal refuse,garbage, rubbish etc including labour for loading and unloading. Beyond initial lead.

truck load Upto 1km	Cum	41.00	2100.00	86100.00
			Total	12507315.79
			Say	12507316.00