

Tender Enquiry No: OS/WC/2024-25/53/30, Date: 29.06.2024

NAME OF WORK: Works Contract for DG Foundation, Closing Shed, civil works towards jungle clearance, laying of HDPE pipe lines from borewells to Raw water reservoir sump and laying of electrical wires for new borewells at BHEL-HPVP, Visakhapatnam -REG.

SCHEDULE OF QUANTITY & RATES (SOQR)-R01

Item No.	Description of Item	Unit	Sch. Qty	Rate (Rs)	Amount in ₹
A	Laying of water pipe lines from Bore wells to underground Reservoir and Electrical work.				
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in pipe line trenches (size of trench 4500x0.4x0.6 M) including dressing of sides and ramming of bottoms, disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil	Cu.m.	1080	220.59	238237.20
2	Back filling with available excavated earth (excluding rock) in trenches, etc., in layers not exceeding 20 cm in depth, watering, lead up to 50 m etc., complete. (included Laying of 63 mm HDPE pipe)	Cu.m.	1080	166.10	179388.00
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering 1:2:4 (1 cement: 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cu.m.	8	6676.69	53413.52
4	Cleaning jungle including uprooting of rank vegetation, grass bushes, wood, trees and saplings of girth up to to 30cm measured at a height of 1m above ground level and removal of rubbish up to a distance of 50m outside the periphery of the area cleared.	Sq. M.	20,000	1.90	38000.00
5	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge. (Road cutting)	Cu.m.	8	3009.53	24076.24

	Electrical work				
6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade up to 35 Sq.MM direct in ground including excavation and refilling the trench etc. as required, but excluding sand cushioning and protective covering.	meters	200	847.46	169492.00
B	Construction of DG Shed foundation & closed Shed at R&D Building				
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil	Cu.m.	10	220.59	2205.90
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering 1:4:8 (1 Cement: 4 coarse sand (zone-III) derived from natural sources: 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cu.m.	2	5772.88	11545.76
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering 1:2:4 (1 cement: 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cu.m.	3	6676.69	20030.07
4	Providing and Laying common burnt clay modular bricks of class designation 7.5 in cement mortar 1:6 (1 cement: 6 coarse sand) below plinth and above ground level for all heights for walls, manhole chambers etc.	Cu.m.	6	7716.91	46301.46
5	Cement plastering work 15 mm thick cement plaster of mix (1: 4)	sqm	25	405.00	10125.00

6	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required a) 0.80 mm thick with zinc coating not less than 275 gm/m ²	sqm	40	1065.72	42628.80
7	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kgs	1000	114.36	114360.00
8	Jungle clearance and leveling of surface for start of foundation JCB hiring along with required manpower	hours	10	1271.19	12711.90
C	TOTAL VALUE				9,62,515.85
D	DISCOUNT / INCREASE ON TOTAL VALUE				
E	TOTAL VALUE AFTER DISCOUNT/INCREASE				
F	GST__%				
G	TOTAL VALUE INCLUDING GST				

Total Amount including GST in Words:

SIGNATURE OF THE TENDERER WITH SEAL