

BOQ-**NAME OF WORK:- Construction of Hydrogen Storage Area. For Unit #3&4 including Hard Baricading/ Fencing work for unit #3&4.**

ITEM N	ITEM DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
1	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness	sqm	300		
2	Earth work for ordinary soil or hard soil & gravel soil in foundation,trenches etc. including dressing of sides and ramming of bed,shoring,shuttering and pumping of water if required as per direction of EIC .	cum	157.0		
3	Providing and laying PCC (1:3:6) using 12mm to 20mm size h.g.crusher broken metal of approved quality.....etc. including cost of all materials, machineries and labour and transportation of mixed concrete(Rate should be including all cost, admixture , watering, curing, conveyance, T& P, royalties, taxes of all materials, scaffolding and labour charges etc. complete as per direction of Engg.-in-charge.) complete.	cum	25		
4	Cement concrete M25 grade with crushed granite coarse aggregate of size 20mm and down graded mixed in batching and mixing plant including cost of all materials, machineries and labour and transportation of mixed concrete(Rate should be including all cost, admixture , watering, curing, conveyance, T& P, royalties, taxes of all materials, scaffolding and labour charges etc. complete as per direction of Engg.-in-charge.)	cum	51.00		

5	Rigid and smooth sentering and shuttering for R.C.C works including false and dismantling them after casting including cost of materials complete in ground floor.including cost of all materials, machineries and labour and transportation of mixed concrete(Rate should be including all cost, admixture , watering, curing, conveyance, T& P, royalties, taxes of all materials, scaffolding and labour charges etc. complete as per direction of Engg.-in-charge.)	sqm	158		
6	Providing supplying , lifting , shifting , cutting ,bending , fabricating , fitting of reinforcement (Fe500) work for for concreting at any elevation , tie up with 16 gauge and finishing as per approved drawing . (Rate should be including all cost , conveyance, T& P, royalties, taxes of all materials, scaffolding and labour charges etc. complete as per direction of Engg.-in-charge.)	qntl	40		
7	Providing , supplying , lifting , shifting , placing of Random rubble hard granite stone masonry in clay or sand or gravel grouted in foundation and plinth including cost of all materials, machineries and labour and transportation of mixed concrete(Rate should be including all cost, admixture , watering, curing, conveyance, T& P, royalties, taxes of all materials, scaffolding and labour charges etc. complete as per direction of Engg.-in-charge.)	cum	30		
8	Providing and supply of Ash brick masonry in cement mortar (1:6) in foundation and plinth for all type of works of all thickness including all cost, splays cutting, watering, curing, conveyance, T & P, scaffoldings, royalties, taxes & duties of all materials and labour charges etc. complete as per direction of Engg.-in-charge. (Including cost of ash brick)	cum	36		

9	Providing , supply and applying 12mm. thick cement plaster in cement mortar (1:4) over masonry / CC work, finished smooth after racking out joints including all cost, watering, curing, conveyance, T& P, royalties, taxes of all materials, scaffolding and labour charges etc. complete as per direction of Engg.-in-charge.	sqm	312		
10	Cement punning over cement plaster including watering , curing , cost , conveyance, taxes of all materials , T&P and labour charges etc. complete as per direction of EIC.	sqm	141		
11	Providing & Supplying and applying 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken granite Chips per1 Sqm etc complete including all cost, watering, curing, conveyance, T& P, royalties, taxes of all materials, scaffolding and labour charges etc. complete as per direction of Engg.-in-charge.	sqm	133		
12	Providing ,fitting and fixing 100mm dia.ISI marked PVC rain water down pipe (supreme/oriplast or equivalent) with necessary clamps,nails,bends, shoes, heads etc. including cost,conveyance,taxes of all materials required for the work as per direction of EIC.	Rmt	24		
13	Providing & fixing of colour coated trapezoidal steel sheets with plastic coated with 0.005mm thickness & width 1060mm in roof including drilling holes , cost of M/S screw 50X8mm (ISI) conveyance taxes of all materials,labour charges T & P etc complete in all respect as per direction of EIC cck filling in foundation and plinth in layers with excavated materials .	sqm	128		

14	Providing and fixing precoated galvanised steel plain ridges 0.50mm TCT and 500-600mm wide using self drilling/ self tapping screws complete conveyance taxes of all materials,labour charges T & P etc complete in all respect as per direction of EIC.:Ridges plain (500 - 600mm).	Rmt	16		
15	Providing and fixing precoated galvanised steel plain Gutter (600mm over all grith) 0.63mm thick with zinc coating not less than 275gm/sqm using self drilling/ self tapping screws complete conveyance taxes of all materials,labour charges T & P etc complete in all respect as per direction of EIC.	Rmt	30		
16	Providing, supply, fabricating , lifting, erecting and fixing of structural steel beams and joist and required structural members for roof slab (rate should be inclusive of conveyance, T& P, royalties, taxes of all materials, scaffolding and labour charges etc. complete as per direction of Engg.-in-charge.)	KG	3500		
17	Providing, supplying and applying of Acrylic Emulsion paint at ground floor walls , dado, ceiling etc. 1 coats of primer and 2 or more coats of water-based acrylic copolymer emulsion paint of approved brand which shall be applied over the plastered and concrete surface after removal of all loose etc, to produce a smooth surface without any undulation .(Rate should be inclusive of surface preparation and provision of all tools and tacles with staggng scaffolding, shifitng and lifitng).	SQM	104		
18	Earth work in excavation for box cutting in roads etc. for all types of soft & hard soil for a lifts, including pumping out water accumulating inside the excavation, adequate protection during the excavation, transporting the excavated earth/material to the designated areas/ places and disposal of excess unused full earth/ materials etc.	cum	19		

19	Providing and fixing M.S. angle 75x75x6 mm , bracing flat rods (65X6mm) , m.s flat (25x5mm) including necessary welding , and applying painting one coat of approved primer and two coat of high gloss enamel paint on exposed surface etc. complete. as per EIC .	kgs	2600		
20	Providing and applying painting one coat of approved primer and two coat of high gloss enamel paint on exposed surface etc over structural work . complete. as per EIC .	sqm	103		
21	R.C.C. (1:1.5:3)for using 12 mm to 20 mm. size hard granite crusher broken chips including laying of concrete, watering, curing for 7 days, cost, conveyance, royalties and other taxes of materials, and labour charges etc. complete but excluding cost of reinforcement as per direction of Engineer-In-Charge.	cum	17		
22	Rigid and smooth centering and shuttering for R.C.C works including false and dismantling them after casting including cost of materials complete in ground floor.	sqm	82		
23	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. 16.70.1 Made of G.I. wire of dia 4 mm	sqm	175		
24	Providing & Fixing of barbed wire or flexible wire rope in fencing including cost, conveyance, royalties and other taxes of materials, and labour charges ,T&P ,PPE etc. Complete as per direction of Engineer-in-charge.(Note:- 9.38kg for 100mtrs, so for 1mtr= 0.1kg)	rmt	840		