



Vaidyaratnam P.S.Varier's
ARYA VAIDYA SALA KOTTAKKAL

**Schedule for the Civil works in connection with Fire NOC for NABH Accreditation AT AH&RC
Kochi-Phase-1**

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
	PHASE-I				
A	<u>RCC WATER TANK</u>				
1	Clearing the site by cutting and removing all trees, and vegetation, including uprooting, removing existing RCC benches, other structures etc, complete.	L.S.	..		
2	Supplying & laying 4" PVC pipe of 4kg /cm ² for sewage and waste water, rain water line for temporary diverting the existing drainage system, the rate including cost of all material, labour charges with necessary earth work excavation, PVC readymade manhole with cover cutting, holing the existing line without disturbing the functioning of hospital and removing the old line and keeping the useful materials at a convenient place etc. complete. (Measurements taken for pipe length only)	75	M		
3	Demolishing the RR compound wall and removing the debris to outside of AVS compound, the rate including cost of all labour, tools, loading, unloading, transportation etc. complete.	20.00	M ³		
4	Earth work excavation in ordinary soil for RCC tank up to a depth of 3.2 metre by machine/manual, including lead up to 500 metre and disposal of excess excavated earth, after obtaining necessary approval from concerned government authorities if required, the rate including loading, unloading, conveyance charges etc. and back filling the sides of tank with necessary consolidation, etc, complete.	200.00	M ³		

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
5	Earth work excavation in Hard laterite for RCC tank up to a depth of 3.2 metre by machine/manual, including lead up to 500 metre and disposal of excess excavated earth, after obtaining necessary approval from concerned government authorities if required, the rate including loading, unloading, conveyance charges etc.and back filling the sides of tank with necessary consolidation, etc, complete.	200.00	M ³		
6(a)	Providing shoring for the compound wall side by using Sheet, span , jacky or props (or any other suitable material or method to protect the existing nearby structure) with necessary support for retaining the existing compound wall inluding all tools ,machineries,labour and including keeping the shoring in position until the permission obtained from the site engineer and removing all driven sections thereafter and clearing the site as directed by the Engineer in charge if necessary.	20.00	M		
6(b)	Providing shoring for the compound wall side by hammering ISMB 200 sections up to the required depth and placed at 1.23m in between sections and interlocked in between with 1.23m width, 6mm thick MS sheet by hammering and connected with horizontal bracings of ISMC 150 on all four sides and cross bracings on the top with two numbers of ISMC 150 welded together including all machineries like motor winch, i/c rope, and hammer chain block, Tripod, welding machine, Gas cutter required for the work, and including keeping the shoring in position until the permission obtained from the site engineer and removing all driven sections thereafter and clearing the site as directed by the Engineer in charge.	RO			

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
7	P.C.C. 1:3:6, 100mm thickness using 20mm broken stone, including cost and conveyance of all materials, labour charges, watering, curing, etc, complete,	13.50	M ³		
8	Providing and laying R.C.C, M25 ready mix concrete, for tank with necessary waterproofing admixtures, using 20mm and down grade hard granite broken stone, machine mixed and mechanically vibrated including all form work including necessary sleeves, watering, curing, deshuttering, cost and conveyance of all materials, all labour charges, etc. complete, but excluding cost of reinforcement				
a)	Bottom raft slab	15.00	M ³		
b)	Vertical walls & Column	26.50	M ³		
c)	Cover slab & beam	12.00	M ³		
9	Providing and laying R.C.C, M25 , for tank, motor foundations etc.with necessary waterproofing admixtures, using 20mm and down grade hard granite broken stone, machine mixed and mechanically vibrated including all form work, watering, curing, deshuttering, cost and conveyance of all materials, all labour charges, etc. complete, but excluding cost of reinforcement				
a)	Bottom raft slab	2.00	M ³		
b)	Vertical walls & Column	4.00	M ³		
c)	Cover slab & beam	2.00	M ³		
10	Reinforcement for RCC bent, tied in position, including cost of steel rod, binding wire, etc, complete. (CRS Fe 500 TATA., AGNI or other any reputed manufacturers subject to Engineers approval)	10000.00	Kg		
11	Solid Cement block masonry in cm 1:5, for parapet, including cost and conveyance of all materials, labour charges, watering, curing, etc, complete.	5.00	M ³		

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
12	Plastering the inside wall and floor with cm 1:4 12mm thick including a neat flushing coat over it, with necessary waterproofing admixture, including cost and conveyance of all materials, labour charges, watering, curing, etc, complete.	275.00	M ²		
13	Plastering the outside walls in cement mortar 1:4, 12mm thick with necessary waterproofing admixture, including cost and conveyance of all materials, labour charges, watering, curing, etc, complete.	200.00	M ²		
14	Plastering the ceiling in cement mortar 1:3, 9mm thick, including cost and conveyance of all materials, labour charges, watering, curing, etc, complete.	50.00	M ²		
15	Core cutting on RCC wall of any diameter for pipes as per the instruction of site engineer, the rate including cost of all materials, labour,tools etc. complete.	10.00	Nos		
16	Supplying and fixing FRP manhole cover with Frame of size of 60x60x2.5t or nearest size.the rate including cost of all materials, labour etc. complete.	6.00	Each		
17	Water proofing work inside the water tank,(Dr.Fixit/Fosroc or equivalent brand) including leak testing ,cost and conveyance of all materials, labour charges, curing, etc, complete.	150.00	M ²		
18	Coating inside tank with Epoxy 1 mm thick if necessary including cost of all materials, labour charges, conveyence, etc, complete.	150.00	M ²		
19	Applying water proofing treatment for outer wall of Pump room and water tank with Bitumin paint two coats over a coat of primer (DR.Fixit or equivalent) including cost and conveyence of all materials and labour charges etc.	200.00	M ²		

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
20	Labour, Material and supervision charges for pressure grouting as per following specification. a) Identify and mark the points where grouting to be carried out. b) Fix the 12mm dia GI nipple in the area where marked with quick setting cement. c) Nipples of 12 mm diameter shall be fixed along the construction joints, honey combed area and other weak concrete junctions and grouted under pressure 40 PSI using Dr. Fixit Grout and add mixture 250 gram per a bag of cement for adding to pumping in all points etc. complete.	50.00	No		
21	Providing and fixing MS box section 150x150x6mm for vertical support of roof with necessary baseplate (300x200x10 mm) and Anger bolt including cost of all materials, labour charges,all cutting, welding, conveyence charges, painting with zinc rich primer and two coat enamel etc. complete.	12.00	M		
22	Proviing and fixing ISMB 200 x100 for horizondal support of pully block with necessary baseplate including cost of all materials, labour charges ,cutting,welding, conveyence charges, painting with zinc rich primer and two coat enamel etc. complete.	29.00	M		
23	Providing and fixing Weld mesh covering (25x25x4mm thick) with 40x40 and 20x40 tubes of 16 guage GP sections for frames work (120x60 cm size) , including cost of all materials, labour charges, conveyence, necessary welding charges, painting with two coat enamel paint over a coat of zinc primer, etc. complete, as per specification.	45.00	M ²		

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
24	Providing and fixing Steel doors with GI Sheet (0.8 mm tk) and Weld mesh (25x25x4mm) with 40x40 and 20x40 tubes of 16 guage GP sections for frames work , including cost of all materials, labour charges, conveyence, necessary welding charges, painting with two coat enamel paint over a coat of zinc primer, etc. complete, as per specification.	9.00	M ²		
25	Providing and fixing MS Ladder of 100 cm width with ISMC 100 for side support, 32x32x6mm angle and 5mm thick chequered plate for steps, 25x25 mm GP tubes ballusteres and 50 mm dia top rail for hand rails, etc, including cost of all materials, labour charges, conveyence, necessary welding charges, painting with two coat enamel paint over a coat of zinc primer, etc. complete, as per specification (Measurements should taken the side length)	8.00	M		
26	Providing and fixing PVC Eves gutter 6" dia with necessary clamps including cost and conveyence of all materials labour charges etc.complete.	30.00	M		
27	Supplying & laying 3" pvc pipe for down water pipe with necessary clamps including cost and conveyence of all materials and labour charges etc.complete.	20.00	M		
28	Supply,Fabricating, errecting of following roof members of GP hollow setion 16 guage including cost of all materials, labour charges, conveyence, necessary welding charges, painting with two coat enamel paint over a coat of zinc primer, etc. complete, as per specification. and drawing				
	a) Ridge, Common Rafter, Wall plate and Hip rafter 100x50mm	75.00	M		
	b) Purlin 50x25 mm	75.00	M		

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
29	Providing roofing with GI powder coated Trafford sheet 0.4 mm thick(TATA/JINDAL or equivalent) including cost of all materials, labour charges, conveyence, necessary welding charges, etc. complete, as per specification. Excluding cost of roof members.	55.00	M ²		
30	Painting outside wall with emulsion exterior paint two coat over primer coat (ICI Dulux / Asian brand or equivalent), including cost of all materials, labour charges, conveyence, etc, complete.	125.00	M ²		
31	Final site clearance including disposing waste material & levelling in AVS compound, including loading, unloading, conveyance charges etc. complete.	25.00	M ³		
32	Labour engaged for any other works				
	a) Mason	10.00	Each		
	b) Helper	15.00	Each		
33	Bailing out water with 5HP/1.5 HP/1 HP at the time of excavation, laying pcc, base slab, vertical wall, plastering etc.the rate including conveyence of all equipments, cost of fuel, labour charge etc if necessary.	50.00	Hrs		
34	Supply of portable water for filling the tank for testing purpose the rate including cost of transportation etc. complete.	200000.00	Ltrs		
	Total - A				
B MODIFICATION WORKS					
1	Patch plastering work for the core cutting holes after installing fire pipe lines including filling the holes with smooth finishing, necessary scaffolding, tools, materials, labour etc.complete (Holes measurements should be taken as One Number = 2 sides of the hole)	250.00	No		

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
2	Repairing the false ceiling with 10mm/ matching to the existing pattern gypsum board with necessary changing the frame work if necessary, the rate including cost of all materials, labour, cutting the false ceiling area for the fire pipe lines as per the instruction of site engineer etc. complete.	500.00	M ²		
3	Painting two coats or more coat of ICI Dulux/Asian brand or Equivalent brand of Emulsion interior for inside walls/ceiling for reapiored areas over a coat of primer for with suitable colour after surface preparation like cleaning, application of putty patch up if necessary, smoothing with sand paper etc., the rate including cost of materials, labour, scaffolding, transportation, finishing with roller etc., complete.	1200.00	M ²		
4	Painting two coats ofICI Dulux/Asian brand or Equivalent brand of Emulsion for inside walls, with suitable colour after surface preparation like cleaning, application of putty patch up if necessary, smoothing with sand paper etc., the rate including cost of materials, labour, scaffolding, transportation, finishing with Roller etc., Complete.	2500.00	M ²		
5	Painting one coat of ICI Dulux/Asian brand or Equivalent brand of Exclusive Emulsion for inside walls, with suitable colour after surface preparation like cleaning, application of putty patch up if necessary, smoothing with sand paper etc., the rate including cost of materials, labour, scaffolding, transportation, finishing with Roller etc., Complete.	3500.00	M ²		

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
6	Painting two coats of ICI Dulux/Asian brand or Equivalent brand of Weathershield Emulsion for outside walls/varandhas, with suitable colour after surface preparation like cleaning, application of putty patch up if necessary, smoothing with sand paper etc., the rate including cost of materials, labour, scaffolding, transportation finishing with Roller etc., Complete.	1500.00	M ²		
7	Dismantling the laterite /brick wall without disturbing the structure and removing the debris to outside of AVS compound including loading, unloading ,transportation , the rate including cost of materials, labour,tools, scaffolding, etc., Complete.	2.00	M ³		
8	Plastering the inside/outside walls in cement mortar 1:4, 12mm thick , including cost and conveyance of all materials, labour charges,scaffolding, watering, curing, etc, complete.	40.00	M ²		
9	Disposal of waste materials to outside of AVS compound, including loading, unloading, conveyance charges etc. complete.	35.00	M ³		
10	Labour engaged for any other works				
	a) Mason	5.00	Each		
	b) Helper	10.00	Each		
11	Earth work excavation in ordinary soil for gate columns with initial lead & lift by mechanical /manual, back filling the sides, consolidation, etc, complete.	2.00	M ³		
12	P.C.C. 1:3:6, 100mm thickness using 20mm broken stone, including cost and conveyance of all materials, labour charges, watering, curing, etc, complete,	0.50	M ³		

Sl. No	Description of works	Quantity	Unit	Rate in figures and words	Amount
13	Providing and laying R.C.C, M20 , for gate colums& foundations using 20mm and down grade hard granite broken stone, machine mixed and mechanically vibrated including all form work, watering, curing, deshuttering, cost and conveyance of all materials, all labour charges, etc. complete, but excluding cost of reinforcement	2.50	M ³		
14	Reinforcement for RCC bent, tied in position, including cost of steel rod, binding wire, etc, complete. (CRS Fe 500 TATA., AGNI or other any reputed manufacturers subject to Engineers approval)	400.00	Kg		
15	Levelling the surrounding area for access preparation etc. using JCB if necessary , the rate including hire charges , fuel,driver bata etc. complete.	30.00	Hr		
16	Providing and fixing sliding MS gate of size 7.00x2.20 mtr. using 100x50 x2.9 mm outer frame and 2 mm MS sheet for face work with necessary bracings, including painiting with two coat enamel paint over a coat zinc rich primer etc. complete.	1.00	Each		
	Total - B				
	Grand Total (A+B)				
	Add CGST (...%)				
	Add SGST (.....%)				
	Net total				
(Rupees only)					

Date:

Name & Address of the Contractor