

<b>NAME OF WORK : CIVIL WORKS FOR PLACING GRP WATER TANK OVER EXISTING OPD BUILDING AND DEMOLITION OF POTABLE OVERHEAD MASONRY WATER TANK AT TERRACE FLOOR OF LADIES HOSTEL-I AT CMC, RUHSA CAMPUS</b>						
<b>SCHEDULE-A</b>						
<b>Sl.No</b>	<b>Quantity</b>		<b>Description of the work</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	0.50	M <sup>3</sup>	<b>Demolition of existing brick walls in cement mortar wherever required</b> manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.		1M <sup>3</sup>	
2	3.00	M <sup>3</sup>	Labour charges for <b>demolition of weathering course</b> with brick jelly lime concrete from existing roof slab completely wherever required including clearing the debris away from site as directed.		1M <sup>3</sup>	
3	5.00	M <sup>2</sup>	Labour charges for <b>demolition of machine pressed tiles</b> with base mortar from existing roof slab completely wherever required and clearing the debris away from site as directed.		1M <sup>2</sup>	
4	0.80	M <sup>3</sup>	<b>Labour charges for demolition of reinforced cement concrete from the existing dummy column wherever necessary for further extension</b> completely without affecting the adjacent structure and <b>expose the existing column dowel rods</b> incl. clearing the debris away from site as directed.		1M <sup>3</sup>	
5	30.00	RM	Labour charges for removing the existing <b>GI/PVC pipes upto 75mm dia</b> including all available specials, without causing any damage. The serviceable materials shall be handed over to the departmental store, and the unserviceable items shall be disposed of as directed. <b>The rate inclusive of required lead and lift charges .</b>		1RM	
6	4.00	Nos	Labour charges for removing the <b>existing wheel valve/Gate valve/ open stop cock etc.</b> with all available specials without any damage the re-usable items to be handed over to deptl.store and the remaining handed over to disposal as directed.		1No	
7	6.00	Nos	<b>Labour Charges for cleaning the exposed column dowel rods</b> of all rust completely so as to provide further column laps including cost of applying anti-corrosive primer (Roff rust clear - ZR or equivalent approved make) and also polymer modified mortar (Roff bond repair or equivalent approved make) for proper bondage of concrete as specified by the manufacturer standard specifications directed . <b>Note:1 No considered as 1 column with the all available steel reinforcement dowel rods.</b>		1No	
8	2.50	M <sup>3</sup>	<b>Weathering course with brick jelly lime concrete in the proportion of 2.5:1 over roof including</b> giving necessary slope, soaking in jaggery and gallnut water, well beaten with wooden beaters, incl. cost of all materials and curing etc. complete.		1M <sup>3</sup>	

<b>NAME OF WORK : CIVIL WORKS FOR PLACING GRP WATER TANK OVER EXISTING OPD BUILDING AND DEMOLITION OF POTABLE OVERHEAD MASONRY WATER TANK AT TERRACE FLOOR OF LADIES HOSTEL-I AT CMC, RUHSA CAMPUS</b>						
<b>SCHEDULE-A</b>						
<b>Sl.No</b>	<b>Quantity</b>		<b>Description of the work</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
9	15.00	M <sup>2</sup>	<b>Supplying and laying of one course of machine pressed tiles 230x230x18mm</b> size of St.Antony/ Evershine or approved equivalent make set in C.M.1:3 mixed with water proof compound 2% by weight of cement used, splash tile at junction of wall and roof and pointing the joints with the same mortar including cost of all materials and curing etc. complete.Providing 20mmx20mm groove and filling with bitumen sealant at 6m c/c or at ridges ..		1M <sup>2</sup>	
10			<b>Supplying, fixing and removing of 12mm thick waterproof plywood formwork in line and level</b> with materials as indicated for RCC elements at locations as stated, including all props, struts, sealing all joints between sheets to prevent leakage of slurry, treating the surface with approved oils and removing the formwork. . The work shall be carried out as per the technical specifications given herewith. Note: total surface area in contact with concrete shall be measured.			
a	40.00	M <sup>2</sup>	For column		1M <sup>2</sup>	
b	75.00	M <sup>2</sup>	For Roof Beam		1M <sup>2</sup>	
c	72.00	M <sup>2</sup>	For Roof Slab		1M <sup>2</sup>	
11	20.00	M <sup>3</sup>	<b>Reinforced cement concrete M20 of nominal volumetric mix of 1:1.50:3.00.</b> using 20mm down graded HBG machine broken jelly free from flakes and fine aggregate of coarse well graded , M-sand incl. mixing in mixer machine, laying, consolidation using vibrator, cost of all materials, curing etc. complete but excl. cost of steel reinforcement and form work.		1M <sup>3</sup>	
12	2,950.00	Kgs	<b>Providing concrete reinforcements with Thermo Mechanically Treated Bars of various diameters of grade FE 500 for reinforced concrete work.</b> The work includes cutting, bending, fabricating and placing in position according to drawings, at all levels including supply and use of 18 gauge black annealed binding wire double fold to tie the bars in position and providing precast cement cover blocks for main reinforcements to ensure specified cover according to relevant ISI code.		1Kg	
13	66.00	M <sup>2</sup>	<b>Grano floor finishing with CC 1:1.50:3 to a average thickness of 25mm</b> laid to required slope in bottom & top of OHT using M-Sand and 3mm to 8mm size HBG machine broken chips including cost of all materials, laying, consolidation, thread lining if necessary, neat finishing and curing etc. complete.		1M <sup>2</sup>	

<b>NAME OF WORK : CIVIL WORKS FOR PLACING GRP WATER TANK OVER EXISTING OPD BUILDING AND DEMOLITION OF POTABLE OVERHEAD MASONRY WATER TANK AT TERRACE FLOOR OF LADIES HOSTEL-I AT CMC, RUHSA CAMPUS</b>						
<b>SCHEDULE-A</b>						
<b>Sl.No</b>	<b>Quantity</b>		<b>Description of the work</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
14	0.50	M <sup>3</sup>	<b>Brick wall in Cement</b> -mortar 1:6, 230mm and above thick using country bricks of size 230x100x70mm (Kiln burnt)including cost all materials and curing etc., complete for <b>super structure up to floor v level</b>		M <sup>3</sup>	
15	88.00	M <sup>2</sup>	<b>Brick work in CM 1:4 for partition walls/Fin walls</b> using country bricks of size 230x100x70mm (Kiln burnt) including cost of all materials, labour for placing 2nos - 6mm dia MS rods at every 3rd course and curing etc. complete <b>(steel will be measured separately).</b>		1M <sup>2</sup>	
16	102.00	M <sup>2</sup>	Providing and <b>plastering to internal surfaces</b> of brick walls with 12mm plaster (CM 1:5) including hacking concrete surfaces, finishing to obtain a very smooth, even surface,accurate to vertical bob, including Curing etc.,complete. Double legged scaffolding and staging only shall be used and no holes in the wall for scaffolding shall be permitted.		1M <sup>2</sup>	
17	82.00	M <sup>2</sup>	<b>Plastering to external surfaces of brick walls and concrete surfaces with 20mm</b> sand faced plaster (CM 1:5) including hacking concrete surfaces, finishing to obtain sand finish even surface accurate to vertical bob, providing grooves as shown and curing etc., complete..Double legged scaffolding and staging only shall be used and no holes in the wall for scaffolding shall be permitted.		1M <sup>2</sup>	
18	128.00	M <sup>2</sup>	Plastering with CM 1:3, 12mm thick for all <b>RCC exposed surfaces</b> to ceiling roof projections incl. cost of all materials,hacking, neat finishing and curing etc. complete in all floors.		1M <sup>2</sup>	
19	35.00	M <sup>2</sup>	Plastering with CM 1:3, 12mm thick for all <b>RCC exposed surfaces</b> and <b>providing drip bands</b> for sunshades and roof projections incl. cost of all materials,hacking, neat finishing and curing etc. complete		1M <sup>2</sup>	
20			<b>Providing fabricating, erecting in position of MS Structural steel at all levels, locations, leads &amp; lift for MS Ladder/ Hand rail</b> using ISMC,ISA,flat,anchor foundation bolt,M.S.base plate ,bolts,nuts and M.S.pipes for vertical and handrails etc. including making of necessary templates as directed, cutting, drilling, welding, grinding, temporary supports at all locations where required including preparing the surface by sanding down thoroughly, grinding smooth all weld-burrs and filling with metal paste where ever required and painting with 1 coat of anti-corrosive zinc chromate primer and two coat of synthetic enamel paint of approved make and colour etc complete as per sketch and specifications.			

<b>NAME OF WORK : CIVIL WORKS FOR PLACING GRP WATER TANK OVER EXISTING OPD BUILDING AND DEMOLITION OF POTABLE OVERHEAD MASONRY WATER TANK AT TERRACE FLOOR OF LADIES HOSTEL-I AT CMC, RUHSA CAMPUS</b>						
<b>SCHEDULE-A</b>						
<b>Sl.No</b>	<b>Quantity</b>		<b>Description of the work</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
a	100.00	Kgs	M.S.Ladder		1Kg	
b	180.00	Kgs	M.S.Handrail		1Kg	
21	30.00	Kgs	Supplying and fixing of required size <b>brackets</b> and clamps using <b>MS Angles, MS flats, and MS threaded rods</b> as instructed by Engineer including one coat of metal primer, two coats with synthetic enamel paint making holes in wall for fixing cement concrete for packing finishing the surfaces etc., complete		1Kg	
22			Supplying of <b>G.I special clamp with coach screw</b> , U bold , nut & washer of the following sizes of G.I Pipe supports and specifications etc. complete.			
a	35.00	Nos	100mm length		1No	
b	30.00	Nos	230 mm length		1No	
23			Supplying , cutting,threading, laying and joining of <b>G.I. pipes</b> APL APOLLO/approved equivalent' B ' class ISI make with necessary ' UNIK' make specials including cost of all required materials, clamps, teak wood plugs and screws etc., complete. <b>(ABOVE GROUND LEVEL)</b>			
a	8.00	RM	50mm dia		1RM	
b	5.00	RM	65mm dia		1RM	
24			<b>Providing and fixing Unplasticized Poly Vinyl Chloride (UPVC) Pipes</b> , having thermal stability for hot & cold water supply including all UPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step UPVC solvent cement, testing of joints complete as per direction of Engineer in Charge.below Ground level. <b>including cost of earth work excavation, filling sand 150mm alround pipe &amp; refilling with excavated earth.</b>			
a	140.00	RM	65 mm dia		1RM	
b	325.00	RM	75 mm dia		1RM	
25			<b>Providing and fixing Unplasticized Poly Vinyl Chloride (UPVC) Pipes</b> , having thermal stability for hot & cold water supply including all UPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step UPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. <b>External work.</b>			

<b>NAME OF WORK : CIVIL WORKS FOR PLACING GRP WATER TANK OVER EXISTING OPD BUILDING AND DEMOLITION OF POTABLE OVERHEAD MASONRY WATER TANK AT TERRACE FLOOR OF LADIES HOSTEL-I AT CMC, RUHSA CAMPUS</b>						
<b>SCHEDULE-A</b>						
<b>Sl.No</b>	<b>Quantity</b>		<b>Description of the work</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
a	15.00	RM	65 mm dia		1RM	
b	55.00	RM	75 mm dia		1RM	
26			Supplying and fixing in position of Zoloto make <b>Butterfly valve</b> with G.I flange, bolt & net , including cost of all materials and required specials etc., complete.			
a	1.00	No	50mm dia		1No	
b	1.00	No	65mm dia		1No	
27			Supplying and fixing in position of following sizes of <b>UPVC Ball valve</b> , approved make fixed with internal & external pipe lines wherever necessary including cost of all fittings fixing with specials ,fixing and finishing in all respects etc., complete.			
a	2.00	Nos	50 mm dia		1No	
b	3.00	Nos	65 mm dia		1No	
28	4.00	Nos	<b>Making through holes</b> in Plain or Reinforced Cement Concrete with Diamond Core Drilling System by using BOSCH power tools of following diameter upto 200mm (thickness upto 250mm)		1No	
29	2.00	lorry loads	<b>Transporting the debris</b> by lorry from CMC ,Ruhsa campus to Inside of the campus including loading and unloading charges etc. complete.( <b>capacity 5.50 M<sup>3</sup>/per lorry load</b> ).		1Lorry load	
30	30.00	Nos	<b>Towards the charges engaging helpers/labours for unloading and shifting of GRP tank components such as GRP individual panels to a size of 1.00X1.00M (Approx.156 Nos) and HDG skid base grillage and all other accessories from ground floor to terrace floor</b> (Work site)as directed by the Engineer-in- charge.		1No	
			<b>Sub Total</b>			
<b>(Excl. GST) C/o to CONSOLIDATED SUMMARY</b>						