

NAME OF THE WORK:- RENOVATION OF EXISTING WASHROOMS IN GROUND, FIRST FLOORS, AND RE-PLACING G.I. SHEET ROOF AT GROUND FLOOR OF THE ALUMNI HOUSE IN CMC, BAGAYAM CAMPUS.

SCHEDULE-A		CIVIL WORK - (GROUND AND FIRST FLOORS -WASH ROOMS RENOVATION WORK)				
Sl.No	Quantity		Description of the work	Rate	Unit	Amount
1	23.00	Nos	Labour charges for removing the existing door shutters complete set without any damage incl. available fittings and the re-fixing items to be stored in contractor's safe custody ,remaining handed over to Coll.Maint.deptl.store/disposal as directed. (Existing frames are to be retained as it is.)		1No	
2	2.30	M ³	Labour charges for removing the existing precast slabs/ stone / cuddapah slab from existing flooring without any damage incl. clearing the debris away from site as directed.		1M ³	
3	28.75	M ²	Labour charges for removing the existing marble slabs stone from table top, open shelves and wherever necessary without any damaged incl. clearing the debris away from site as directed.		1M ²	
4	23.00	Nos	Labour charges for removing the existing EWC with flush tank complete set including all available fittings and specials, clearing the debris away from site as directed.		1No	
5	23.00	Nos	Labour charges for removing the existing counter wash hand basin with all available fittings complete set without any damage and the re-usable good condition items to be handed over to Coll.Maint.dept. store and the un-usable damaged items handed over to disposal as directed.		1No	
6	8.11	M ³	Labour charges for demolition of Cement Concrete from existing flooring completely including clearing the debris away from site as directed.		1M ³	
7	92.00	Nos	Labour charges for removing the existing brass/CP tap/Bottle trap/Angle cock/ Two way bib cock with health faucet including all available accessories complete set without any damage and the re-usable good condition items to be handed over to Coll.Maint.dept. store and the un-usable damaged items handed over to disposal as directed.		1No	
8	138.00	Nos	Labour charges for removing the existing wheel valve/Gate valve/ open stop cock etc. with all available specials without any damage and the same to be handed over to disposal as directed.		1No	
9	138.00	Nos	Labour charges for removing the existing towel rod, mirror, Twoel racks, soap trays/ paper holder and shower rose or any other usable accessories complete set without any damage including all available fittings and the re-fixing items to be stored in contractor's safe custody ,remaining handed over to coll.Maint.deptl.store/disposal as directed.		1No	
10	22.20	M ³	Labour charges for demolition of brick jelly cement/lime concrete from existing toilet bay filling completely including clearing the debris away from site as directed.		1M ³	
11	5.75	M ³	Demolishing of brick walls (Above /Below GL) in cement mortar 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 ³	
12	575.00	M ²	Labour charges for chipping and removing the ceramic/ glazed tiles & Grainte floor set in CM from existing walls and floor including base plastering completely without affecting the adjacent structures if any and clearing the debris away from site as directed.		1M ²	
13	115.00	M ²	Labour charges for chipping and removing the existing cement plastering from wall surface and wherever necessary and clearing the debris away from site as directed.		1M ²	
14	11.00	Nos	Labour charges for making connection of drainage sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 M-sand : 4 graded stone aggregate 20mm nomonal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 M- sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete.		1No	

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SCHEDULE-A		CIVIL WORK - (GROUND AND FIRST FLOORS -WASH ROOMS RENOVATION WORK)				
Sl.No	Quantity		Description of the work	Rate	Unit	Amount
15	138.00	RM	Labour charges for removing the existing GI/PVC pipes upto 75mm dia including all available specials, without causing any damage. The serviceable materials shall be handed over to the Coll.Maint.departmental store, and the unserviceable items shall be disposed of as directed.The rate inclusive of required lead and lift charges .		1RM	
16	69.00	RM	Labour charges for removing the existing GI/PVC pipes above 75mm dia including all available specials , without causing any damage. The serviceable materials shall be handed over to the Coll.Maint.departmental store, and the unserviceable items shall be disposed of as directed.The rate inclusive of required lead and lift charges .		1RM	
17	34.50	RM	Labour charges for removing all SS curtain rods with SS hooks and SS stay rod from the walls without any damage including stacking within 50 metres lead. complete set without any damage including all available fittings and the usable items to be handed over to Coll.Maint.deptl.store and the un-usable items handed over to disposal as directed.		1RM	
18	4.51	M ³	Supplying and filling of M-sand for foundation and wherever necessary in layers of required thick including watering, ramming and consolidation etc. complete.		1M ³	
19	4.51	M ³	Plain Cement concrete 1:4:8 using 40mm size HBG machine broken jelly,M-Sand including mixing in mixer machine, laying, consolidation and curing etc. Complete For flooring.		1M ³	
20	17.00	M ³	Screed concrete PCC 1:3:6 using 3to8mm size HBG machine broken chips,M-sand including cost of all materials ,mixing, laying,consolidation and curing etc., complete under floor wherever necessary to eliminate the undulations.		1M ³	
21	5.75	M ³	Brick wall in Cement-mortar 1:6 ,230mm and above thick using country bricks of size 230x100x70mm (kiln burnt) including cost all materials and curing etc., complete wherever necessary.		1M ³	
22	23.00	M ²	Brick work in CM 1:4 for partition wall 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 (steel will be measured separately)		1M ²	
23	23.00	M ²	Brick on edge work in CM 1:4 using country bricks of size 230x100x70mm (kiln burnt) including cost of all materials and curing etc. complete for working platform support walls and wherever necessary.		1M ²	
24	115.00	M ²	Plastering with CM 1:5 , 12mm thick over new/Old surface of internal Brick walls including cost of all materials and curing etc. complete.		1M ²	
25	448.50	M ²	Base Plastering with CM 1:5 , 20mm thick over chipped surface of existing brick walls including cost of all materials and curing etc. complete.		1M ²	

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Sl.No	Quantity		Description of the work	Rate	Unit	Amount
26	96.00	M ²	Toilet Water proofing : Supplying and applying toilet and skirting water proofing treatment by using hydro carbon free liquid applied elastomeric water proofing membrane like brush bond type of (a) Fosarc-Nitoproof -600PF having 2 coats of minimum wet film thickness of each coat 1.50mm including filling of cracks in floor/wall, grouting the junction of wall and floor, making grooves for inserting water proof membrane etc., complete as per manufacturer's instructions and technical data sheet. (b) Supplying and fixing in position of toilet floor and skirting with single layer of white colour plain 45GSM filler glass mesh for proper water proofing of approved sample shall be provided before applying protective first coat and second coat of plastering including cost of all materials, properly stretched and nailed, ensuring equal thickness of plaster on both floor and walls sides of mesh. (c) Applying protective coats of plastering with 2 coats consist of base and top plastering with 1:3, 8mm and 12mm thick respectively in 2 successive layers etc., complete. Incl. cost for Surface preparation, wastage, curing, etc., measurement shall be on the basis of net area water proofed. include drying and cleaning the surface free of dust, proper water ponding test, leakage points if any found with PU grout etc. The actual area treated shall be measured and paid. No extra shall be paid for any fillets, grooves or rounding. The contractor shall provide a performance guarantee for five-5 years on stamp paper in an approved form		1M ²	
27	6.00	M ³	Encasing with cement concrete 1:3:6 , using machine broken HBG chips 10 to 12mm size to PVC pipes in toilet pits, and wherever necessary incl. cost of all materials, necessary shuttering, laying, consolidation and curing etc. complete.		1M ³	
28	22.20	M ³	Cement concrete 1:4:8 using 20mm size brick jelly for toilet filling to a required height incl. cost of all materials, mixing, laying, consolidation and curing etc. complete.		1M ³	
29	218.00	Kgs	Supplying fabricating, placing and tying in position of steel reinforcement including cost of 18 gauge MS binding wire etc. complete for all RCC works.		1Kg	
30	2.30	M ³	Casting and fixing in position of RCC 1:2:4 for precast slabs using 3 to 8mm size HBG machine broken chips, M- sand including cost of all materials, necessary mould and platform, smooth finishing with CM 1:3 for all exposed surfaces and curing etc. complete but excluding cost of steel and fabrication. (Thickness of precast slab shall be provided depends on the site condition as instructed by the Engineer - in - Charge.)		1M ³	
31	55.55	M ²	Supplying and laying of Non- skid vitrified/ceramic plain tiles, 1st quality 600x600/300x300mm size of approved make and colour set in CM 1:3 , base with 2mm spacers in both direction including grouting the joints Cementitious grout to matching colour , giving proper slope, cleaning and curing etc. complete for toilets at Ground floor. (Basic rate of tile Rs.600.00 /1M ² - Excl.GST-18%).		1M ²	
32	60.60	M ²	Supplying and laying of Non-skid Vitrified/Ceramic plain tiles, 1st quality 600x600/300x300mm size of approved make and colour set in CM 1:3, base with 2mm spacers in both direction including grouting the joints with epoxy grout of approved make and matching colour , giving proper slope, cleaning and curing etc. complete for toilets at First floor. (Basic rate of tile Rs.600.00 /1M ² -Excl.GST-18%)		1M ²	
33	448.50	M ²	Supplying and fixing of Glazed Plain wall tiles 1st quality 300x300mm/ 300x450mm mm size of approved make and colour set in CM 1:3 base including pointing with white cement mixed with colour pigments, providing best quality PVC corner edge beads, cleaning and curing etc. complete for dadoing. (Basic cost of tiles :- Rs.450.00/1M ² -Excl.GST-18%)		1M ²	

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Sl.No	Quantity		Description of the work	Rate	Unit	Amount
34	-		Supplying and fixing in position of highly polished Granite slab 18 to 20mm thick of approved quality and approved sample, set in CM 1:3, including cost of all materials, pointing white cement with matching colour pigments, cleaning and curing etc. complete. (Basic rate of granite Rs. 1,600.00 / 1M²-Excl.GST-18%) .			
a	23.00	M ²	Table Top		1M ²	
b	8.05	M ²	Floor strips		1M ²	
35	23.00	Nos	Extra for providing opening of required size & shape for wash basins in platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.		1No	
36	109.25	RM	Providing full nosing to exposed edges of granite in table top etc. complete		1RM	
37	-		Supplying and fixing of the following PVC pipes including cutting charges, cost of cement solvent for joining and fixing and cost of all materials etc., complete for internal pipe lines. (ABOVE GROUND LEVEL)			
a	115.00	RM	50mm dia 6Kgs/CM ² (incl. specials)		1RM	
b	69.00	RM	75mm dia 4Kgs/CM ² (excl. specials)		1RM	
c	46.00	RM	110mm dia 4Kgs/CM ² (excl. specials)		1RM	
38	-		Supplying of SWR supreme Make PVC Specials of the following sizes and specifications etc. complete.			
a	23.00	Nos	110x75mm reducer		1No	
b	23.00	Nos	110mm dia single play ' Y'		1No	
c	23.00	Nos	110mm dia door 'Tee'		1No	
d	23.00	Nos	110mm dia door bend		1No	
e	23.00	Nos	110xx dia 87.5 plain bend		1No	
f	23.00	Nos	110mm dia plain Tee		1No	
g	23.00	Nos	110mm dia coupler		1No	
h	23.00	Nos	110mm dia 45 bend (Shoe)		1No	
i	23.00	Nos	110mm dia end cap		1No	
j	46.00	Nos	110mm dia vent cowl		1No	
k	23.00	Nos	110x50mm bush		1No	
l	46.00	Nos	75mm dia single 'Y'		1No	
m	23.00	Nos	75mm dia plain tee		1No	

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Sl.No	Quantity		Description of the work	Rate	Unit	Amount
n	46.00	Nos	75mm dia coupler		1No	
o	23.00	Nos	75mm dia doorbend		1No	
p	23.00	Nos	75mm dia 87.5 plainbend		1No	
q	23.00	Nos	75mm dia door Tee		1No	
r	23.00	Nos	75mm dia end cap		1No	
s	46.00	Nos	75mm dia 45 bend		1No	
t	23.00	Nos	75mm dia vent cowl		1No	
u	23.00	Nos	110 x 75mm Bush		1No	
v	23.00	Nos	75x50mm bush		1No	
39	-		Supplying and fixing in position of concealed pipe line using following dia. Flow guard CPVC pipes code No- SDR - 13.5 - 22.5 Kgs/CM2 with necessary flow guard CPVC specials , brass lined specials at outlet points including cutting cost of cement solvent for jointing, fixing with necessary specials pressure testing the pipe line as per specifications, cost of all materials, chasing the brick walls, finishing the same with chicken mesh and cement plastering with CM1:5 and curing etc.. complete.			
a	24.00	RM	15mm dia		1RM	
b	69.00	RM	20mm dia		1RM	
c	345.00	RM	25mm dia		1RM	
40	23.00	Nos	Providing and fixing white vitreous china extended Parryware (model no :20096) or approved equivalent wall mounting water closet of size 620 x 355 x 745mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, including seat cover, and cistern fittings, nuts, bolts and gasket etc. complete. (Cost excluding M.S -L angle support which will be paid seperately under relevant BOQ item.)		1No	
41	23.00	Nos	Supplying, transporting to Site , Unloading , Safe storage, installing, testing and commissioning of Parryware white glazed oval type counter wash hand basin 550 x 450 x 200mm including all fittings such as SS pipe brackets/S.S Rag bolts set ,15mm dia CP pillar cock (plumber make),1st quality inlet nylon connection,CP waste coupling, PVC waste pipe etc., complete. Cost including conveyance of all materials to the site, all labour charges etc., complete.		1No	
42	46.00	Nos	Supplying and fixing of 110mm dia Supreme make PVC multi floor trap with S.S. hinged type square of cement solvent for joining,cement mortar for fixing in position etc., complete.		1No	
43	-		Supplying and fixing in position of following types of bath room fittings of approved make(parryware or approved equivalent) including cost of all materials and required specials etc., complete.			
a	23.00	Nos	15mm dia CP Two way bib cock with health faucet		1No	

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Sl.No	Quantity		Description of the work	Rate	Unit	Amount
b	46.00	Nos	15mm dia CP Angle cock with CP wall flange for WHB & flush tank.		1No	
c	23.00	Nos	C.P. Bottle trap		1No	
d	23.00	Nos	CP Wall mixer 2 in 1 tap		1No	
e	23.00	Nos	25mm - CP Concealed Stop Cock		1No	
f	23.00	Nos	Table mounted Sink cock with 230mm swinging		1No	
44	23.00	Nos	Supplying and fixing in position of Chromium plated towel rod 600mm long with required teak wood plugs and screws including cost of all material etc., complete.		1No	
45	23.00	Nos	Supplying and fixing in position of Chromium plated Towel ring with required teak wood plugs and screws including cost of all material etc., complete.		1No	
46	23.00	Nos	Supplying and Fixing in position of CP Towel rack 600mm long with required teak wood plugs and screws including cost of all material etc., complete		1No	
47	23.00	Nos	Supplying and fixing in position of Brass Chromium plated Soap tray of approved make with teak wood plugs and screws including cost of all material etc., complete.		1No	
48	23.00	Nos	Supplying and fixing in position of CP shower aram with shower rose 380mm dia of approved quality including cost of all material etc.,complete.		1No	
49	23.00	Nos	Supplying and fixing in position of mirror of size 600 x 450 mm with hard board back & wooden frame alround including cost of all materials and required screws etc. complete.		1No	
50	23.00	Nos	Supplying and fixing in position of CP Paper Holder of approved quality including cost of all material etc.,complete.		1No	
51	34.50	RM	Supplying and fixing of stainless steel curtain rods frame work using 25mm dia SS pipe 16 SWG, 304 grade incl. labour charges for fixing and polishing, cost of end PVC bushes etc. as per Engineer's instructions		1RM	
52	230.00	Nos	Supplying and fixing of stainless steel curtain ring of 38mm dia for frame work including polishing etc. as per Engineer's instructions		1No	
53	-		Grouting the following dia pipes with appd. Water proof chemical with packer rod and fixing with propoer level & slope in position of including cost of all materials and etc. complete.For 230mm Thick wall.			
a	23.00	Nos	50mm dia pipe		1No	
b	23.00	Nos	75mm dia pipe		1No	
c	23.00	Nos	110mm dia pipe		1No	
54	46.00	Nos	Grouting the pipeline with expansinve non- shrink grout CONBEXTRA GP2 incl. adding controlled amount of water to the dry powder, mixing and pouring into the gaps/holes etc. after necessary leak free centering and shuttering works etc, complete		1No	

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Sl.No	Quantity		Description of the work	Rate	Unit	Amount
55	46.00	Nos	Bore Packing around the pipes in Brick walls and Concrete members applying bonding agent of SBR Latex or approved equivalent around the internal partition of surface, Quick setting component of Rendroc plug/approved equivalent packed externally and the gaps around the pipe tightly packed with GP2 Chemical. Provide the backer rods if the gap around the pipe have more than 25mm including cost of all materials, labour charges, neat finishing, curing, etc., complete. (Note : Water to be stagnated around the bore packing about 48 hours and water leakage has to be cleared from Engineer in charge.)		1No	
56	184.00	Kgs	Supplying and fixing in position of MS L angle support for wall mounted closet using 50x50x6mm for outer frame,20x6mm in-between flat 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.		1Kg	
57	115.00	M ²	Scraping completely and cleaning the white (or) colour washed surface (or) snowcem of old walls and ceilings using by machine or maual using putty plate, sand paper and wire brush including scaffolding and clearing the debris away from site etc ,complete.		1M ²	
58	115.00	M ²	Painting two coats with Acrylic emulsion paint of approved make and colour over old / new walls and ceiling with one coat of water based cement primer after preparation of the surface smooth and even with Birla wall care putty / approved equivalent including cost of all materials, proper roller finish, brush and scaffolding etc. complete.		1M ²	
59	181.70	M ²	Painting two coats using Acrylic emulsion paint approved make and colour over old painted surfaces of walls & ceilings incl.surface preparation , necessary touch up putty , brush, cost of all materials & scaffolding etc. complete.		1M ²	
60	34.50	M ²	Painting two coats using synthetic enamel of approved make & colour over the old woodwork incl. painting the furniture fittings where requited, surface preparation with application of putty, cost of all materials, brush and scaffolding etc. complete.		1M ²	
61	23.00	M ²	Painting two coats using synthetic enamel paint of approved make & colour over the old / new ironwork incl. surface preparation, necessary putty, cost of all materials, brush and scaffolding etc. complete.		1M ²	
62	34.00	M ²	French polishing to a satisfactory finish over old wood work incl, surface preparation cost of all materials, etc. complete.For doors.		1M ²	
63	23.00	Nos	Supplying and fixing of cylindrical lock with approved make including cost of all materials and labour charges etc. complete.		1No	
64	23.00	Nos	Providing minor repair charges to the existing door Shutters including replacement of existing damaged furniture fittings with new one including charges for removing and refixing,making them to functional condition , fixing and finishing in all respects as directed by the engineer-in-charge. (Required furniture fittings will be supplied by dept.at free of cost & it is applicable for all available sizes as per site condition, which requires minor repairs only)		1No	
65	23.00	Lorry loads	Transporting the debris by lorry from CMC ,Bagayam campus to outside of the campus including loading and unloading charges etc. complete. (capacity 5.50 M³/per lorry load).		1 Lorry load	
				SUB TOTAL		

(Excl. GST) C/O TO SUMMARY SHEET