

NAME OF THE WORK:MODIFICATION AND RENOVATION OF "H" WARD AT FIRST FLOOR OF "MAIN BLOCK" IN CMC, TOWN CAMPUS.						
SCHEDULE-A			CIVIL WORKS- (DEMOLITION WORK+PROPOSED WORK)			
Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
1	5.00	M ³	Demolishing of brick walls 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	
2	1.00	M ³	Demolishing of brick walls in lime 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	
3	5.00	M ²	Making the opening in brick masonry (careful demolition) including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge. (For door/ window/ventilators/exhaust fans)		1M ²	
4	25.00	Nos	Labour charges for removing the existing wooden doors,windows,ventilators, cupboards,UnderneathCupboards and Hanging cupboards (frame with 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 deplt.store/disposal as directed.		1No	
5	25.00	Nos	Labour charges for removing the existing wooden doors,windows,ventilators, cupboards,UnderneathCupboards and Hanging cupboards (shutters only) complete set without any damage including all available fittings and the re-usable items to be stored in contractor's safe custody ,remaining handed over to deplt.store/disposal as directed. (Existing frame to be retained as it is. After completion of repair works, re-fixing of the shutters shall be measured and paid seperately under BOQ item)		1No	
6	20.00	Nos	Labour charges for removing the Flyproof mesh covering with available beadings backing from the existing Windows and ventilators wherever necessary including clearing the debris away from site and the damaged mesh with beading to be handed over to disposal as directed.		1No	
7	15.00	M ²	Labour charges for dismantling precast concrete slab /granaite top slab any size of thickness including clearing the debris away form site as directed.		1M ²	
8	10.00	M ²	Labour charges for removing the existing wooden/mdf/ply wood boardings from Partition, Working Table top,& wherever necessary etc., including stacking within 50 metres lead. complete set without any damage including all available fittings and the usable items to be handed over to deplt.store and the un-usable items handed over to disposal as directed.		1M ²	
9	80.00	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 departmental store, and the unserviceable items shall be disposed of as directed.The rate inclusive of required lead and lift charges .		1RM	

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Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
10	80.00	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 departmental store, and the unserviceable items shall be disposed of as directed.The rate inclusive of required lead and lift charges .		1RM	
11	1.00	No	Labour charges for removing the existing bed pan sink with flush tank and all available fittings complete set without any damage and the same to be handed over to disposal, clearing the debris away from sites as directed.		1No	
12	7.00	Nos	Labour charges for removing the existing wash basins and porcelain sinks with all available fittings complete set without any damage and the same to be handed over to disposal, clearing the debris away from site as directed.		1No	
13	10.00	Nos	Labour charges for removing the existing EWC and IWC with flush tank complete set including all available fittings and specials, clearing the debris away from site as directed.		1No	
14	20.00	Nos	Labour charges for removing the existing brass/CP/PVC taps without any damage and the same to be handed over to disposal as directed.		1No	
15	20.00	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	
16	50.00	Nos	Labour charges for removing the existing towel rod/ towel rings/mirrors/paper trays/grab rail /shower rose/soap holders/cloth holders/urinal pan with stand 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 deptl.store/disposal as directed.		1No	
17	305.00	RM	Labour charges for removing the existing MS/SS curtain rods & corner guards without any damage incl. available fittings and the re-fixing items to be stored in contractor's safe custody ,remaining handed over to deptl.store/disposal as directed.		1RM	
18	10.00	M ²	Labour charges for chipping and removing the mosaic tiles , in CM from existing floors including base plastering completely and clearing the debris away from site as directed.		1M ²	
19	210.00	M ²	Labour charges for chipping and removing the ceramic/ glazed tiles & Grante floor set in CM from existing walls, floor and Table Top including base plastering completely without affecting the adjacent structures if any and clearing the debris away from site as directed.		1M ²	
20	240.00	M ²	Labour charges for chipping and removing the existing cement/lime plastering from wall surface and wherever necessary and clearing the debris away from site as directed.		1M ²	
21	18.00	M ³	Labour charges for demolition of brick jelly lime concrete from existing toilet bay filling completely including clearing the debris away from site as directed.		1M ³	

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Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
22	3.00	M ³	Labour charges for demolition of Cement Concrete manually/ by mechanical means from existing Toilet flooring ,bed blocks and wherever necessary . completely including clearing the debris away from site within 50 metres lead as directed.		1M ³	
23	1.00	M ³	Labour charges for demolition of existing RCC works and including cutting of all reinforcement bars completely by manually/ mechanical means without affecting the adjacent structure including stacking of steel bars & clearing the debris away from site, as directed.		1M ³	
24	1.00	M ³	Labour charges for Chipping / removing the existing grano floor completely without affecting the adjacent area including clearing the debris away from site as directed. (Proper care should be taken while dismantling-only manual dismantling preferred).		1M ³	
25	3.00	M ³	Labour charges for removing the damaged termite attack wooden rafters from existing roof wherever necessary including scaffolding and the un-usable items handed over to disposal as directed.		1M ³	
26	4.00	M ³	Plain cement concrete 1:2:4 using 20mm size HBG machine broken jelly, M- sand including cost of all materials, mixing in mixer machine, laying, consolidation, self finishing and curing etc. complete for bed blocks for placing wooden rafters and wherever necessary.		1M ³	
27			Supplying, fixing and removing of steel form work in line and level 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.			
a	1.00	M ²	for Cast-in-situ Table top		1M ²	
b	5.00	M ²	for Cast-in-situ lintels and Bed blocks		1M ²	
28			Reinforced cement concrete M20 of design mix (to be approved by the dept.) or nominal volumetric mix of 1:1.50:3.00 using 20mm down graded HBG machine broken jelly free from flakes and 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.			
a	0.25	M ³	for Cast-in-situ Table top		1M ³	
b	0.25	M ³	for Cast-in-situ lintels		1M ³	
29	0.10	M ³	Casting and fixing in position of RCC 1:2:4 for precast lintel using 20mm size HBG machine broken jelly, M-sand incl. mixing, laying, consolidation, curing, cost of all materials, necessary mould and platform etc. complete but excl. cost of steel and fabrication.		1M ³	

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Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
30	1.00	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		1M ³	
31	525.00	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	
32	0.50	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 for existing opening closing and wherever necessary.		1M ³	
33	25.00	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 & Supplied by Dept free of cost.)		1M ²	
34	20.00	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 cupboard, worktable support walls and wherever necessary.		1M ²	
35	85.00	M ²	Plastering with CM 1:5 , 12mm thick over new surface of internal Brick walls including cost of all materials and curing etc. complete.		1M ²	
36	10.00	M ²	Plastering with CM 1:5 , 20mm thick over external surface of new Brick walls including cost of all materials and curing etc. complete .		1M ²	
37	240.00	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
38	80.00	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 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.		1M ²	
39	18.00	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	
40	2.50	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	
41	3.00	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.		1M ³	
42	48.00	M ²	Supplying and laying of Non-skid Vitrified/Ceramic plain tiles, 1st quality 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 toilet floor & sluice floor .(Basic rate of tile Rs.600.00 / 1M²-Excl.GST-18%)		1M ²	
43	220.00	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.450.00/1M²-Excl.GST-18%)		1M ²	

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Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
44	7.00	M ²	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. For Table top & Floor strips.(Basic rate of granite Rs. 2,000.00 /1M²-Excl.GST-18%).		1M ²	
45	3.00	Nos	Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen 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	
46	9.00	RM	Providing full nosing to exposed edges of granite in table top etc. complete		1RM	
47	570.00	M ²	Charges for re-polishing the existing Grey mosaic surface which requires grinding twice and polishing using mosaic marble powder, cement, acid, wax etc., complete.		1M ²	
48	10.00	M ²	Supplying and laying with in-situ other colour mosaic patch work using colour marble chips 1&2-6mmthick match with existing floor& wherever necessary including base plastering ,curing, cost of all materials, polishing etc., complete.		1M ²	
49	680.00	M ²	Charges for providing an acid wash to the existing floor and wall surface areas and where necessary, including removing stains and other foreign materials completely, as per the direction of the Engineer in charge.		1M ²	
50	5.00	M ²	Grano floor finishing with CC 1:1.5:3 to a average thickness of 25mm 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 ²	
51			Supplying and fixing in position of following Wooden doors frame with shutters including cost of all materials, furniture fittings etc complete as per Sketch and Specifications.			
a	23.63	M ²	D2-750X2100MM		1M ²	
b	3.15	M ²	D1-910X2100MM		1M ²	
52			Supplying and fixing in position of following Cupboards and underneath cupboards frame with shutter including cost of all furniture fittings etc complete as per Sketch and Specifications.			
a	3.84	M ²	CB1-1830X2100MM		1M ²	
b	5.57	M ²	CB2-2650X2100MM		1M ²	
c	2.16	M ²	UCB-1200X900MM		1M ²	

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Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
53			Supplying and fixing in position of following sizes of NCL openable shutters with windows ,fixed mesh ventilators and top hung ventilators including cost of all materials, furniture fittings etc complete as per NCL product standard Specifications. (Note:-Caulking shall be done using Silicone sealant to provide water tight seal between the windows and adjoining construction both inside and outside at free of cost.No separate payment shall be made for this.)			
a	4.32	M ²	W-1200X1800MM		1M ²	
b	2.69	M ²	V'-1200/1000X560MM		1M ²	
c	1.20	M ²	V1-1000X600MM		1M ²	
d	1.17	M ²	V2-600X650MM		1M ²	
54	10.00	M ²	Supplying and fixing in position of MS grill with outer frame,approved design using 10mm MS square rod horizontally welded to 12x6mm Ms flats at 125mm Pitch powder coated to black colour including cost of all materials,fabrication charges complete as per NCL product standard Specifications. (for NCL windows and ventilators)		1M ²	
55	7.00	Nos	Supplying, transporting to Site , Unloading , Safe storage, installing, testing and commissioning of White colour EWC with "S/P " trap parryware make with plastic seat cover , pan connector etc.complete. Cost including conveyance of all materials to the site, all labour charges etc., complete in all floors including cutting and making rough finishing the walls and floors wherever required,checked and directed by the Engineer-in-charge.		1No	
56	3.00	Nos	Supplying, transporting to Site , Unloading , Safe storage, installing, testing and commissioning of Parryware make Orissa pan type IWC 580mm with 'S' trap , pan connector, cost all required specials etc.complete. Cost including conveyance of all materials to the site, all labour charges etc., complete. complete in all floors including cutting and making rough finishing the walls and floors wherever required,checked and directed by the Engineer-in-charge.		1No	
57	1.00	No	Supplying and making of Bed Pan stainless steel sink using 304 grade 16G stainless steel sink, 100mm dia S.S. pipe 18G with flange and fabricated 14G stainless steel 'P' trap with flange including cost of all materials (excluding cost of flush tank) 1/2" S.S. pipe (304 grade 16G) at around sink inner for flushing, bolts and nuts, necessary washer for connecting S.S. "P" trap and S.S. sink etc., Complete.		1No	
58	11.00	Nos	Supplying and fixing in position of Slimeline combiflush twin flush type plastic cistern (white) complete set for EWC,IWC & Bed Pan sink including required fittings such as 1st quality inlet nylon connection,pvc flushing pipe etc., complete.		1No	

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Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
59	1.00	No	Supplying and fabricating stainless steel Deep sink using 16 Gauge 304 grade sheet of approved quality ,including the cost of all materials,fabrication charges,cutting,bending to required size and shape,welding,grinding,buffering, polishing to glossy finish providing drain holes to fix the waste coupling,finishing in all respects,etc.,complete. Size : 1.20x0.60x0.61m		1No	
60	5.00	Nos	Supplying, transporting to Site , Unloading , Safe storage, installing, testing and commissioning of Parryware White glazed wash hand basin 550x400mm 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	
61	2.00	Nos	Supplying and fixing in position of approved make of Porcelain sink (White) 600x450x250 mm size including cost of all fittings such as CP waste coupling,waste hose etc., complete. (Hindware or approved equalent)		1No	
62			Supplying and fixing in position of following types of plumbing fittings of approved make including cost of all materials and required specials etc., complete.			
a	16.00	Nos	15mm dia CP Angle cock for WHB		1No	
b	10.00	Nos	15mm dia CP Two way bib cock with health faucet		1No	
c	7.00	Nos	CP Bottle trap		1No	
d	3.00	Nos	15mm dia CP long body bib cock		1No	
e	12.00	Nos	15mm dia CP short body bib cock		1No	
f	2.00	Nos	15mm dia CP Open stop cock.		1No	
g	8.00	Nos	15mm-PVC-shower rose		1No	
63	2.00	Nos	Supplying and fixing in position of 15mm dia CP brass Elbow operated clinical Bib cock with Wall Flange including cost of all material and required specials etc., complete. (Vijay (Model No: 1054) / Peaco make or approved equalent)		1No	
64	5.00	Nos	Supplying and fixing of Supreme make PVC nahini plain floor trap of 110mm dia. with S.S round jally including cost of cement solvent for joining,cement mortar for fixing in position etc., complete.		1No	
65	14.00	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	
66	17.00	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	

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67	2.00	Nos	Supplying and fixing in position of aluminium powder coated 150mm size towel ring with required teak wood plugs and brass screws including cost of all material etc., complete.		1No	
68	8.00	Nos	Supplying and fixing in position of mirror of size of 600 x 450 mm with hard board back & plastic frame around including cost of all materials and required screws etc. complete.		1No	
69	6.00	Nos	Supplying and fixing in position of stainless steel pipe grab rail 25mm dia 18 gauge, 304 grade including cost of all materials, bending to required shape fixing, grouting with CM finishing in all respects etc. complete(total length 0.760m).		1No	
70	2.00	Nos	Supplying and fixing in position of Foldable stainless steel grab bar of Polo / Approved make PVC coated 600mm long incl cost of all screws ,materials etc complete as per the direction of the Engineer in charge...		1No	
71	19.00	Nos	Supplying and fixing in position of Chromium plated soap tray with required teak wood plugs and brass screws including cost of all material etc., complete.		1No	
72			Supplying and fixing of the following PVC pipes including cutting charges, cost of cement solvent for joining and fixing with necessary specials,cost of all materials and specials etc., complete for internal pipe lines. (ABOVE GROUND LEVEL)			
a	10.00	RM	40mm dia 6Kgs/CM ² (incl. specials)		1RM	
b	20.00	RM	50mm dia 6Kgs/CM ² (incl. specials)		1RM	
c	10.00	RM	63mm dia 4Kgs/CM ² (incl. specials)		1RM	
d	20.00	RM	75mm dia 4Kgs/CM ² (incl. specials)		1RM	
e	20.00	RM	110mm dia 4Kgs/CM ² (incl. specials)		1RM	
73			Supply and Installing at site PVC SWR Pasted pipe using Solvent Cement ISI Marked [As per IS 13592] with PVC special fittings , Plain Bends, Door bends, Couplers, Reducers, Single Tees, Door Tees, Double Tees, Reducing Tees, Plain Ys, Door Ys, Double Ys, Elbows , Door Elbows etc. Adapters, Air vents, Clamping with GI U Clamps as required for firmly installing the pipes. Testing of the system for leakage and Air tightness (Make: Ashirwad,Supreme, Finolex or approved equalent) excluding cost of MS brackets which will be paid seperately.			
a	40.00	RM	75mm dia - Type-B (incl. specials)		1RM	
b	40.00	RM	110 mm dia - Type-B (incl. specials)		1RM	

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74	35.00	Kgs	Supplying and fixing of required size brackets and clamps using MS Angles, MS flats, and MS threaded rods for plumbing instructed by Engineer including one coat zinc chromate primer, two coats with synthetic enamel paint making holes in wall for fixing cement concrete for packing finishing the surfaces etc., complete		1Kg	
75			Supplying of G.I special clamp with coach screw, U bolt , nut & washer of the following sizes of G.I Pipe supports and specifications etc. complete.			
a	10.00	Nos	100 mm length		1No	
b	10.00	Nos	230 mm length		1No	
76			Supplying , cutting,threading, laying and joining of G.I. pipes ' B ' class ISI make with necessary ' UNIK' make specials including cost of all required materials, clamps, teak wood plugs and screws etc., complete. (ABOVE GROUND LEVEL)			
a	20.00	RM	15mm dia		1RM	
b	40.00	RM	20mm dia		1RM	
c	40.00	RM	25mm dia		1RM	
d	20.00	RM	32mm dia		1RM	
e	20.00	RM	40mm dia		1RM	
77			Supplying and fixing in position of ISI Elco brand gun metal Gate valve heavy duty including cost of all materials and required specials etc., complete.			
a	2.00	Nos	15mm dia		1No	
b	12.00	Nos	20mm dia		1No	
c	6.00	Nos	25mm dia		1No	
d	1.00	No	32mm dia		1No	
e	1.00	No	40mm dia		1No	
f	1.00	No	65mm dia		1No	

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78			CPVC SDR 11 Piping System (water supply:Domestic water,flushing piping system) : Supply and Installing at site exposed on wall side- CPVC SDR 11 ASTM D 2846 Pipes (Equivalent Standard Size) with suitable CPVC Schedule 80 fittings (Ts, Elbows, Bends, Reducers, Couplers, Ys etc.) Adapters, Clamping with GI U Clamps,teak wood plugs and screws as required for firmly installing the pipes, having thermal stability for Hot and Cold Water supply. Joined using Solvent Cement fittings with metal inserts (brass lined specials at outlet points) suitable for the working pressure.Hydrostatic testing of the Pipes using necessary test pressure for specified time period etc. (Make: Ashirwad, Supreme / Ajay / Astral or approved equivalent)			
a	10.00	RM	15mm dia		1RM	
b	20.00	RM	20mm dia		1RM	
c	10.00	RM	25mm dia		1RM	
79	1,000.00	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	
80	400.00	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	
81	930.00	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	
82	10.00	M ²	Painting two coats using synthetic enamel paint of approved make & colour over the old painted surface of walls & ceilings incl. Surface preparation, cost of all materials, necessary touch up putty , brush & scaffolding etc. complete .		1M ²	
83	10.00	M ²	Painting two coats with synthetic enamel paint of approved make colour over old / new walls with one coat of oil based primer after preparation of the surface smooth and even with Birla wall care putty / approved Equivalent including cost of all materials, brush and scaffolding etc. complete.		1M ²	
84	10.00	M ²	Painting two coats using washable oil bound Distemper of approved make and colour over old surface of walls & ceilings incl. surface preparation with necessary touch up putty , cost of all materials,brush and scaffolding etc, complete.		1M ²	

NAME OF THE WORK:MODIFICATION AND RENOVATION OF "H" WARD AT FIRST FLOOR OF "MAIN BLOCK" IN CMC, TOWN CAMPUS.						
SCHEDULE-A			CIVIL WORKS- (DEMOLITION WORK+PROPOSED WORK)			
Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
85	620.00	M ²	Painting two coats with washable oil bound distemper of approved make and colour over old/new ceilings with one coat of water based cement primer after preparation of the surface smooth and even with Birla wall care putty / approved equivalent incl. cost of all materials, scaffolding and brush etc. complete.		1M ²	
86	50.00	M ²	Providing and applying two coats of White Cement Washing using Birla/Ramco White Cement or approved equivalent over new/old surface of walls and ceilings incl. cost of all materials, brush, scaffolding and curing etc. complete. The surface should be thoroughly cleaned, all cracks filled up with white cement paste and wetted before painting and curing should be done as per instructions of engineer.		1M ²	
87	10.00	M ²	Painting two coats with Anti fungal paint of approved make and colour over old/new walls and ceilings with one coat of penetrating primer after preparation of the surface smooth and even with Birla wall care putty approved equivalent including cost of all materials, brush and scaffolding etc. Complete as per manufacturer's standard specifications.		1M ²	
88	20.00	M ²	Painting two coats with exterior acrylic emulsion paint of approved make and colour over old / new walls with one coat of exterior water based primer incl, cleaning the surfaces, cost of all materials, brush and scaffolding etc,. Complete.		1M ²	
89	435.00	M ²	Painting two coats using synthetic enamel of approved make & colour over the old woodwork incl. painting the furniture fittings where required, surface preparation with application of putty, cost of all materials, brush and scaffolding etc. complete.		1M ²	
90	70.00	M ²	Painting two coats with synthetic enamel paint of approved make and colour over new wood works with one coat of wood primer incl, painting the furniture fittings where required, surface preparation with application of putty, cost of all materials brush and scaffolding etc complete.		1M ²	
91	20.00	M ²	French polishing to a satisfactory finish over old wood work incl, surface preparation cost of all materials, etc. completeFor Door / window, wooden hand rail, cupboard fully wood, cupboard with MDF laminated board etc. complete .		1M ²	
92	70.00	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.for Steel rafters,Mild steel hand rails etc.,		1M ²	
93			Painting two coats with synthetic enamel paint of approved make and colour over new GI pipes with one coat of zinc chromate including cleaning the pipes, cost of all materials, brush, scaffolding etc. complete.			
a	20.00	RM	15mm dia		1RM	
b	40.00	RM	20mm dia		1RM	

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SCHEDULE-A			CIVIL WORKS- (DEMOLITION WORK+PROPOSED WORK)			
Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
c	40.00	RM	25mm dia		1RM	
d	20.00	RM	32mm dia		1RM	
e	20.00	RM	40mm dia		1RM	
94	100.00	RM	Providing and fixing of fastrack I.V .Track- hospital cubical system comprising aluminium powder coated track of approved colour with necessary nylon hooks,necessary screws for track system and cost of all materials,cost of labour and transportation,etc		1RM	
95	40.00	Nos	Providing and fixing of fastrack I.V . stand- heavy type hospital cubical system comprising aluminium powder coated track of approved colour with necessary nylon hooks,necessary screws for track system and cost of all materials,cost of labour and transportation,etc		1No	
96	190.00	RM	Providing and fixing of fastrack Curtain Track hospital cubical system comprising aluminium powder coated track of approved colour with necessary nylon hooks,necessary screws for track system and cost of all materials,cost of labour and transportation,etc.complete.		1RM	
97	107.00	RM	Supplying and fixing in position of 25mm dia (OD) MS powder coated curtain rod 20 gauge of approved make and colour including cost of all materials,cutting to required size ,fixing and finishing in all respects etc., as directed by the Engineer-in-charge.		1RM	
98	158.00	Nos	Supplying and fixing in position of MS powder coated curtain end brackets of approved model and colour with necessary wooden plugs/ supports ,screws including cost of all materials etc., as directed by the Engineer-in-charge.		1No	
99	0.50	M ²	Supplying and fixing in position of pelmet 150mm high with top open using 18mm thick OSL MDF exterior grade with 20x12mm t.w. beadings for top & bottom all-round including cost of all materials, t.w. plugs, screws and nails, beading, polishing etc. complete. (Cost exculding of curtain rods which will be paid under seperate item)		1M ²	
100	27.00	M ²	Supplying and fixing in position of wall cladding work using polished stainless steel sheet 18 gauge SS 304 grade ,300mm height with back 18mm plywood incl. cost of all materials teak wood plug, screws & nails etc complete as per Engineers instructions .		1M ²	
101	10.00	Nos	Supplying and fixing in position of stainless steel angle 50x50mm - 304 grade 20 gauge corner guard 2100mm-height wherever necessary including cost of all materials cutting,bending ,drilling holes, screws and nails etc. complete.		1No	
102	12.00	RM	Supplying and fixing in position of edge protection angle using Aluminium angle 40x25x3mm in toilet/sluice area (or) other areas wherever required in the level difference found in floor level etc,complete.		1RM	
103	5.00	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	

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SCHEDULE-A			CIVIL WORKS- (DEMOLITION WORK+PROPOSED WORK)			
Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
104	25.00	Nos	Supplying and fixing of stainless steel curtain ring of 38mm dia for frame work including polishing etc. as per Engineer's instructions		1No	
105	5.00	RM	Supplying and fixing of 8mm dia SS stay rod for frame work including labour charges for welding and polishing as per Engineer's instructions		1RM	
106	10.00	Nos	Towards the Labour charges for engaging Helpers for intercarting the department office furnitures stored at identified locations so as to provide access and clearance for work front and cleaning the tables prior to handing over the user department as per the direction of the Engineer in charge.		1No	
107	50.00	M ²	Supplying and fixing stainless steel mosquito mesh screen - 16X26 gauge over the internal sides of the existing wooden window and ventilator frame backed with teakwood beading of required size including all materials, nails, labour, etc., complete. (Cost excluding of teak wood backing/beading which will be measured and paid seperately under relevant BOQ items.)		1M ²	
108	15.00	M ²	Supplying and fixing stainless steel Fly proof mesh screen -SS 304 wire mesh 1.20mm dia over the internal sides of the existing wooden window and ventilator frame backed with teakwood beading of required size including all materials, nails, labour, etc., complete. (Cost excluding of teak wood backing/beading which will be measured and paid seperately under relevant BOQ items.)		1M ²	
109	5.00	M ²	Supplying and fixing 5mm thick plain glass for existing wooden window and ventilator frame backed with teakwood beading of required size including all materials, nails, labour, etc., complete. (Cost excluding of teak wood backing/beading which will be measured and paid seperately under relevant BOQ items.)		1M ²	
110	0.25	M ³	Supplying and fixing of Teakwood beading of required size & shape over existing wooden window and ventilator frame backed with mesh screen including cost of all materials, nails,labours, etc .complete.(Cost excluding of Glass,Mosquito/fly proof mesh screen which will be measured and paid seperately under relevant BOQ items.)		1M ³	
111	25.00	Nos	Labour charges for re-fixing the existing doors,windows, ventilators ,underneath/Hanging Cupboards (frame with shutters) complete set including all available fittings as directed. (Required doors,windows, ventilators, underneath/ Hanging Cupboards will be supplied by the department at free of cost)		1No	
112	25.00	Nos	Providing minor repair charges to the existing doors,windows & ventilators 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 , wooden scantlings and teak wood beadings 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	

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SCHEDULE-A		CIVIL WORKS- (DEMOLITION WORK+PROPOSED WORK)				
Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
113			Provision for re-placing the existing damaged furniture fittings which required for the doors,windows,ventilators,cupboards and underneath cupboards provided with new furniture fittings as per site requirements..		LS	
114			Making through holes in Plain or Reinforced Cement Concrete /Brickwork with Diamond Core Drilling System by using BOSCH power tools of following diameter.			
a	15.00	Nos	upto 200mm (Plain or Reinforced Cement Concrete) thickness upto 250mm		1No	
b	15.00	Nos	upto 200mm (Brickwork) thickness upto 250mm		1No	
115	20.00	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	
116			Supplying and fixing in position of following size of plywoods covering /closings to existing openings (or) match the diffrence level of wall thickness with necessary screws, nails & accessories etc., complete. (For Openings /windows /ventilators and AC indoor unit)			
a	1.00	M ²	12mm thick plywood		1M ²	
b	1.00	M ²	18mm thick plywood		1M ²	
117	2.00	Nos	Supplying and fixing in position of Hydraulic door closer (Rolex Make) to wooden/aluminium doors complete set including required screws and nails etc., complete.		1No	
118	40.00	Nos	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in existing slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete. (Required MS Clamps will be supplied by the department at free of cost).		1No	
119	3.00	M ³	Casting and fixing in position of RCC 1:2:4 for precast Rafters using 20mm size HBG machine broken jelly, M-sand incl. mixing, laying, consolidation, curing, cost of all materials, necessary mould and platform etc. complete but excl. cost of steel and fabrication including lifting,providing necessary props and jack supports, fixing firmly with roof slab, grouting with cement concrete. For replace the existing termite attack damage wooden rafters.		1M ³	

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SCHEDULE-A			CIVIL WORKS- (DEMOLITION WORK+PROPOSED WORK)			
Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
120	100.00	Kgs	Supplying, Lifting,placing and fixing in position of M.S. beam (ISMB/ISMC) of required size, rested on end support walls, including cost of all materials, cutting, welding if necessary, providing necessary props and jack supports, fixing firmly with roof slab, grouting with cement concrete, applying one coat of anti-corrosive zinc chromate primer and two coats of synthetic enamel paint , etc., complete For replace the termite attack existing damage wooden rafters.		1Kg	
121	5.00	M ²	Providing and fixing precoated galvalume iron sheet for covering (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical. For sunshade arrangements for external side windows wherever necessary (Cost excluding structural steel work which will be measured and paid seperately under relevant BOQ item)		1M ²	
122	40.00	Kgs	Providing fabricating, erecting in position of MS Structural steel at all levels , locations, leads & lift for M.S.pipes, L-angles, flats,SHS,M.S.base plate ,bolts and nuts , 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. For sunshade arrangements for external side windows wherever necessary (Cost excluding precoated galvalume iron sheet which will be measured and paid seperately under relevant BOQ item)		1Kg	
123	4.00	Nos	Providing and drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 160mm in RCC column/slab/beam including fixing in position of M16- HIT-V-5.8 Anchor rod of 260mm long with Anchorage depth 160mm Hilty bolt with Hilti Chemical Grout /approved equivalent Externally threaded-hammer drilling as per standard manufacturer specification and as per the direction of the Engineer in-charge.		1No	

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SCHEDULE-A			CIVIL WORKS- (DEMOLITION WORK+PROPOSED WORK)			
Sl.No.	Quantity		Description of the work	Rate	Unit	Amount
124	100.00	M ²	Scaffolding: Providing and fixing double legged (Steel/appd materials) scaffolding system (cup lock type) on the interior / exterior side, up to the required height made with 40mm dia M.S. tube 1.5m center to center, horizontal & vertical tubes joining with cup & lock system with M.S. tube, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc. wherever required for inspection of work at required locations with essential safety features for the workman etc. complete as per directions and approval of Engineer-in - charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. From Ground level to Existing building height.		1M ²	
125	10.00	Lorry loads	Transporting the debris by lorry from CMC Town campus to outside of the campus including loading and unloading charges etc. complete. (capacity 5.50 M³/per Lorry loads.)		1 Lorry load	
				Sub Total		
(Excl. GST) C/o to CONSOLIDATED SUMMARY						