

NAME OF THE WORK:MODIFICATION OF HOT LAB, DOSE ADMINISTRATION, SOURCE STORAGE, WASTE STORAGE, DECONTAMINATION, PATIENT WAITING, AND CONFERENCE HALL FOR NUCLEAR MEDICINE IN THE FIRST FLOOR OF MAIN BLOCK, CMC TOWN CAMPUS						
SCHEDULE-A -CIVIL WORKS						
Sl. No	Quantity		Description of the item	Rate	Unit	Amount
1	33.00	Nos	Labour Charges for removing the existing Door, window, Cupboard & Ventilator with complete set (Frame with Shutter) including chowkhats, architrave, holdfasts etc. Complete and handed over to dept.store as directed.		1No	
2	30.00	Rm	Labour charges for removing the existing GI/PVC/C.I/CPVC pipes upto 75mm dia with all available specials without any damage as directed.		1Rm	
3	1.00	set	Labour charges for removing the existing EWC with flush tank complete set including all available fittings and specials without any damage and clearing the debris as directed.		1set	
4	3.00	Nos	Labour charges for removing the existing porcelain sink/stainless steel sink/wash hand basin with all available fittings complete set without any damages as directed.		1No	
5	3.00	Nos	Labour charges for removing existing towel rod, mirror, soap tray, paper holder and shower rose or any other usable accessories without any damage as directed.		1No	
6	8.00	Nos	Labour charges for removing the existing brass/CP tap/Bottle trap/Angle cock/ Two way bib cock with health faucet/Grab rail without any damage as directed.		1No	
7	50.00	M ²	Labour charges for removing the existing glazed/panelled/Aluminium/wooden partitions/False ceiling complete set without any damage including all available accessories and the same to be handed over to department store as directed.		1M ²	
8	140.00	M ²	Labour charges for Chipping / removing the existing vinyl flooring without affecting the adjacent area including removal of adhesive paste, grinding of underlying grano flooring if have any undulations, clearing the debris away from site as directed.		1M ²	
9	10.00	M ²	Labour charges for chipping and removing the ceramic/ glazed tiles in CM from existing walls and floor including base plastering and clearing the debris away from site as directed.		1M ²	
10	25.00	M ²	Labour charges for removing the existing precast slab wherever necessary without any damage incl. clearing the debris away from site as directed.		1M ²	
11	6.00	M ³	Labour charges for demolition of the existing brick walls in cement-mortar and clearing the debris away from site as directed.		1M ³	
12	0.70	M ³	Labour charges for dismantling the existing brick jelly concrete in CM/LM from toilets and wherever necessary including clearing the debris away from site as directed.		1M ³	
13	20.00	M ²	Labour charges for chipping and removing the existing Cement/lime plaster from wall/ceiling surface wherever necessary including clearing the debris away from site as directed.		1M ²	
14	0.50	M ³	Labour charges for demolition of lean Cement Concrete manually/ by mechanical means from existing foundation and flooring completely including clearing the debris away from site within 50 metres lead as directed. For 1:4:8 or leaner mix		1M ³	
15	0.50	M ³	Labour charges for Chipping/removing the existing grano Flooring without affecting the adjacent area including clearing the debris away from site as directed		1M ³	
16	0.50	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	
17	200.00	Kgs	Supplying fabricating,placing and tying in position of steel reinforcement including cost of 18 gauge MS binding wire etc.complete.		1Kg	
18	0.50	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	

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Sl. No	Quantity		Description of the item	Rate	Unit	Amount
19	0.50	M ³	Casting and fixing in position of RCC 1:2:4 for precast lintels/Rcc rafters 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	
20	5.00	M ²	Supplying, fixing and removing of 12mm thick plywood centering and shuttering to correct line and levels fully leak proof to avoid leakage of cement slurry including strutting etc. complete		1M ²	
21	1.00	M ³	Cast in Situ Cement concrete 1:2:4 (1 cement:2 M-Sand : 4 graded stone aggregate 20 mm nominal size) using HBG machine broken jelly incl,mixing in mixer machie,laying,consolidation and curing etc.,complete (For Drainage side wall)		1M ³	
22	6.00	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.		1M ³	
23	21.00	M ²	Brick work in CM 1:4 for partition wall using country bricks of size 230x100x70mm (killn 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	
24	5.00	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,working platform support walls.		1M ²	
25	75.00	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	
26	5.00	M ²	Base Plastering / 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	
27	5.00	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 succesive 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. The contractor shall provide a performance guarantee for five-5 years on stamp paper in an approved form.		1M ²	
28	0.20	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	
29	0.50	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	
30	5.00	M ²	Grano floor finishing with CC 1:1.50:3.00 using 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. 40mm average thick		1M ²	

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SCHEDULE-A -CIVIL WORKS						
Sl. No	Quantity		Description of the item	Rate	Unit	Amount
31	63.28	M ²	Supplying , laying and fixing in position of 2mm thick PVC vinyl flooring of approved make and colour hospital grade anitifungal & anti bacterial including cost of all materials, surface preparation, Self levelling to a thickness of 3mm, Adhesive will be Arobond 43 and Fevicol; SR 998FW or vamicol rubber air bubbles & to avoid more sheet joints, welding the joints with PVC welding of same matching colour, PVC vinyl coving cum capping to 100mm high, fixing and finishing in all respects etc., complete as per manufacturer's standard specifications. Rate inclusive of freight and other charges etc., (Basic cost of PVC Vinyl floor- Rate Rs.2,368.00/1M² - Excl.GST)		1M ²	
32	10.00	M ²	Supplying and fixing of Glazed Plain wall tiles 1st quality to a size of 300X450/600mm 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.400.00/1M² - Excl.GST)		1M ²	
33	6.00	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 and floor strips (Basic rate of granite Rs.2000.00 /1M² -Excl.GST).		1M ²	
34	1.00	No	Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in Granite work including necessary holes for providing pillar taps, rubbing and polishing of cut edges etc. complete.		1No	
35	10.00	Rm	Providing full nosing to the exposed edges of granite slab in table top etc.complete.		1Rm	
36	1.00	Rm	Providing half nosing to the exposed edges of granite in table top etc.complete		1Rm	
37			Supplying and fixing in position of following Wooden lead lined Door where ever necessary as per sketch and specification. Lead will be supplied by the department at free of cost.			
a	2.00	M ²	LD - Door -850X2100		1M ²	
38			Supplying and fixing in position of Aluminium Partitions where ever necessary as per sketch and specification.			
a	6.50	M ²	Aluminium Partitions with door Size: 910X2100MM		1M ²	
b	5.50	M ²	Aluminium Partitions		1M ²	
c	6.00	M ²	Aluminium Partitions with door Size: 750X2100MM		1M ²	
d	7.00	M ²	Aluminium Partitions		1M ²	
39			Supplying and fixing in position of Aluminium door where ever necessary as per sketch and specification.Aluminium Door - D1 - 0.91 X2.10 m			
a	7.60	M ²	D1-Door:910X2100MM		1M ²	
b	3.15	M ²	D2-Door : 750X2100MM		1M ²	
c	1.90	M ²	D3-Door : 870X2100MM		1M ²	
40			Supplying and fixing in position of following type of Aluminium sliding doors including cost of all furniture fittings etc complete as per Sketch and Specifications.Aluminium Sliding door SD - 1.50x2.10 m			
a	3.15	M ²	SD-Sliding door:1500X2100MM		1M ²	
b	1.95	M ²	SD1-Sliding door:910X2100MM		1M ²	
41			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	QRO	M ²	UCB-910x750/820MM		1M ²	

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SCHEDULE-A -CIVIL WORKS						
Sl. No	Quantity		Description of the item	Rate	Unit	Amount
42	60.00	M ²	Providing & fixing "DAIKEN" gypsum ceiling tiles 9mm thick with Aluminium foil laminated on one side and PVC sheet laminated on the other side with hot dipped galvanised steel grid work , surface chemically cleaned capping PVC finished inbacked polyster paint, main tees of size 33(H) x 24mm every 1.20m centre to centre, stiched cross tee at 0.60m centre to centre to form a grid of size 600x600mm & suspending the grid from roof using 3mm GI rod, 6mm nylon, rawl plug & I bolt at every 1200 intervals laying "DAIKEN" gypsum 155 ceiling tiles of size 600x600mm over the formed grid having fire rating of 60 minutes as per BS 479/23 of 1987, light reflection of 85%		1M ²	
43			Supply and Installing at site with the following dia PVC Pasted piping system laying above Ground level using Solvent Cement ISI Marked with necessary Heavy duty ISI Marked special fittings including cutting charges, cost of all materials, specials etc., complete for internal pipe lines. Testing of the system for leakage and Air tightness . (Make: Supreme/ Finolex / or approved equivalent)			
a	5.00	Rm	50mm dia 6Kgs/CM ² (incl. specials)		1Rm	
b	5.00	Rm	75mm dia 6Kgs/CM ² (Excl. specials)		1Rm	
c	5.00	Rm	110mm dia 6Kgs/CM ² (Excl. specials)		1Rm	
44			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	5.00	Rm	15mm dia		1Rm	
b	5.00	Rm	20mm dia		1Rm	
c	5.00	Rm	25mm dia		1Rm	
45			Supplying and fixing in position of concealed pipe line using following dia. Flow guard CPVC pipes code No- SDR - 13.5 - 22.5 Kgs/CM ² 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 chickenmesh and cement plastering with CM1:5 and curing etc.. complete.			
a	10.00	Rm	20mm dia		1Rm	
b	5.00	Rm	25mm dia		1Rm	
46			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	20mm dia		1No	
b	1.00	Nos	25mm dia		1No	
47	1.00	set	Supplying, transporting to Site, Unloading, Safe storage, installing, testing and commissioning of White colour EWC with "S/P" trap parryware/Hindware make with plastic seat cover and lid with 10 litre low level white P.V.C. flushing cistern,including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures , 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.		1set	
48	2.00	Nos	Supplying and fixing in position of Parryware White glazed wash hand basin 550x400mm including all fittings such as brackets,15mm dia CP pillar cock (plumber make),1st quality inlet nylon connection,CP waste coupling, PVC waste pipe etc., complete.		1No	
49	1.00	No	Supplying and fixing in position of follwing size (24"x18"x10") and specification Stainless steel sink (Nirali / approved equivalent) including cost of all required fittings and plumbing specials such as cp wate coupling etc., complete		1No	
50	4.00	Nos	Supplying and fixing of 110mm dia Supreme make PVC multi floor trap with S.S. hinged type square /circular grating including cost of cement solvent for joining,cement mortar for fixing in position etc. complete.		1No	

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SCHEDULE-A -CIVIL WORKS						
Sl. No	Quantity		Description of the item	Rate	Unit	Amount
51			Supplying and fixing in position of following types of bath room fittings of approved make(Plumber make) including cost of all materials and required specials etc., complete.			
a	1.00	No	15mm dia CP Two way bib cock with health faucet		1No	
b	2.00	Nos	15mm dia CP Angle cock with CP wall flange for WHB & flush tank.		1No	
c	3.00	Nos	C.P. Bottle trap		1No	
52	3.00	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	
53	3.00	Nos	Supplying and fixing in position of mirror of size 600 x 450 mm with hard board back & plastic frame around including cost of all materials and required screws etc. complete.		1No	
54	101.30	M ²	Labour charges for Re-fixing in position of existing False ceiling with Aluminium grids with Duratuff panels/Insulation boards including proper cleaning, required scaffolding, fixing and aligning in all respects etc., complete.(All the False ceiling with Aluminium grids with Duratuff panels/Insulation boards will be supplied by the dept.at free of cost)		1M ²	
55	150.00	M ²	Scraping completely and cleaning the white (or) colour washed surface (or) snowcem of old walls and ceilings using putty plate, sand paper and wire brush including scaffolding and clearing the debris away from site etc. ,complete		1M ²	
56	50.00	M ²	Painting two coats with Acrylic distemper of approved make and colour over old / new walls and ceilings with one coat of water based 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	
57	130.00	M ²	Painting two coats with Acrylic emulsion paint of approved make and colour over internal new walls and ceilings with one coat of water based 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 etc. complete.		1M ²	
58	150.00	M ²	Painting two coats with enamel paint of approved make and colour over old/new walls and ceilings with one coat of water based primer after preparation of the surface smooth and even with Brila wall care putty/approved make or equivalent including cost of all materials,brush etc. complete.		1M ²	
59	105.00	M ²	Painting one coat with Acrylic emulsion paint of approved make & colour over old painted surfaces of walls & ceilings including surface preparation with necessary putty, brush, cost of all materials etc. complete.		1M ²	
60	150.00	M ²	Painting one coat with enamel paint of approved make and colour over old walls including surface preparation with necessary putty, brush, cost of all materials etc. complete.		1M ²	
61	30.00	M ²	Painting one coat using synthetic enamel paint of approved make & color over the old woodwork including painting the furniture fittings where required surface preparation with application of putty, cost of all materials, brush & scaffolding etc. complete.		1M ²	
62	5.00	M ²	Painting one coat using synthetic enamel of approved make & colour over the old ironwork incl. surface preparation, necessary putty, cost of all materials, brush and scaffolding etc complete.		1M ²	
63			Painting new G.I. pipes with three coats consisting of one coat of zinc chromate primer and two coats of Ist quality synthetic enamel paint of approved make and colour incl. cleaning the pipes, cost of all materials and brush etc. complete			
a	5.00	Rm	15mm dia		1Rm	
b	5.00	Rm	20mm dia		1Rm	
c	5.00	Rm	25mm dia		1Rm	
64	10.00	Nos	Making through holes with Diamond Core Drilling System by using BOSCH power tools of following diameter upto 200mm (Brickwork)		1No	

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Sl. No	Quantity		Description of the item	Rate	Unit	Amount
65	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 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S.tubes, 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 there after .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 workmen 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.		1M ²	
66	4.00	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/load)		1Lorry Load	
67	QRO	M ²	Epoxy Flooring: Providing and laying self levelling clean room epoxy coat flooring 3mm thick of approved colour as per manufacturer's standard specifications including cost of all materials ,grinding the surface throughly and removing the laintance and fill the pot holes,providing and applying epoxy primer in required proportion ,finally laying with floorguard SL topping as per the approved shade and finishing in all respects. Working Methodology-Surface Preparation:-Grinding the floor area with floor grinding machine. Removal of loose particles and cleaning the surface thoroughly free from oils. Chemicals and other contamination. Epoxy Flooring System:-MRF EPI FLORR BRAND Application of Epoxy Resin bonding primer. (Thickness : 100 Micron) Application of Self Leveling (Epifloor M Screed) Epoxy Screed. (Average Thickness : 2 mm) Application of Self Leveling (Epifloor M Self leveling topcoat) of any RAL color Epoxy Top Coat (Average Thickness : 1 mm		1M ²	
			Sub total			
			CGST 9%			
			SGST 9%			
			Total			