

NAME OF THE WORK:MODIFICATION IN KNICU WARD AS MICU @ SECOND FLOOR OF 'O' BLOCK IN CMC, TOWN CAMPUS (EXTERNAL CORRIDOR)						
TENDER SCHEDULE (SCHEDULE-B)						
Sl.no.	Quantity		Description of the Work	Rate	Unit	Amount
1	1.00	M ³	Plain cement concrete 1:2:4 using 20mm size HBG machine broken jelly, coarse river sand including cost of all materials, mixing in mixer machine, laying, consolidation, self finishing and curing etc. complete under foundation/bed block		1M ³	
2			Supplying, fixing and removing of centering and shuttering to correct line and levels fully leak proof to avoid leakage of cement slurry including strutting etc. complete.			
a	35.00	M ²	beam		1M ²	
b	20.00	M ²	For columns		1M ²	
c	50.00	M ²	For Roof Slab		1M ²	
3			Reinforced cement concrete M20 of 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	3.00	M ³	beam		1M ³	
b	5.50	M ³	For columns		1M ³	
c	2.00	M ³	For Roof Slab		1M ³	
4	2,020.00	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	
5	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, coarse 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	
6	10.00	M ³	Brick wall in Cement-mortar 1:6,230mm and above thick using non-metric bricks of size 230x115x75mm (chamber burnt) including cost all materials and curing etc., complete. (super structure up to floor v level)		1M ³	
7	110.00	M ²	Brick work in CM 1:4 for partition wall using non-metric bricks of size 230x115x75mm(chamber 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	
8	10.00	M ²	Brick on edge work in CM 1:4 using non-metric bricksof size 230x115x75mm(chamber burnt) including cost of all materials and curing etc. complete for cupboard,working platform support walls.		1M ²	
9	125.00	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	
10	125.00	M ²	Plastering with CM 1:5, 20mm thick over external surface of new Brick walls including providing grooves as required, cost of all materials and curing etc. complete in all floors at all heights.		1M ²	
11	10.00	M ²	Plastering with CM 1:3, 12mm thick for all RCC exposed surfaces to ceiling roof projections incl. cost of all materials,hacking, neat finishing, drip bands and curing etc. complete in all floors.		1M ²	

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12	20.00	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 in all floors.		1M ²	
13	10.00	M ²	Supply and fixing of chicken mesh double fold for column, wall joint including cutting to required size, drilling holes, fixing wooden plug including cost of all materials etc complete.		1M ²	
14	5.00	M ²	Grano floor finishing with CC 1:1.5:3 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	
15	0.50	M ³	Screed concrete PCC 1:3:6 using 3to8mm size HBG machine broken chips, coarse sand including cost of all materials ,mixing, laying,consolidation and curing etc., complete under floor wherever necessary to eliminate the undulations.		1M ³	
16	45.00	M ²	Supplying and fixing of Vitrified/ceramic tiles ,1st quality 600x600mm size of approved make and colour set in CM 1:3, base including pointing with Roffee compound tile mate/approved equivalent mixing with colour pigments, base with 2mm spacers in both direction including grouting the joints to matching colour, cost of all materials,cleaning and curing etc. complete for floor. (Basic rate tile-Rs. 600.00-/1M2 Excl.GST)		1M ²	
17	8.00	M ²	Supplying and fixing of Vitrified/ceramic tiles of size 600x600mm, 100mm high 1st quality of approved make, pattern and colour set in CM 1:3 to match the joints of the floor including cutting to size,pointing with Roffee compound tile mate/approved equivalent mixing with colour pigments including cost of all material, base with 2mm spacers in both direction including grouting the joints to matching colour, cleaning and curing etc. complete. For Skirting, (Basic Rate of Tile Rs. 600.00 / 1M2 Excl.GST)		1M ²	
18	9.00	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. (Basic rate of granite Rs. 2,500.00 /1M²- Excl.GST). For Table top		1M ²	
19	18.00	M	Providing full nosing to exposed edges of granite in table top etc.complete		1M	
20			Supplying and fixing in position of Aluminium door frame with openable shutters and only aluminium Partition of following sizes incl. cost of all materials ,required furniture fittings etc complete as per Sketch and Specification			
a	11.00	M ²	Aluminium partition with openable single door		1M ²	
b	5.00	M ²	Aluminium partition		1M ²	
c	110.00	M ²	Aluminium Fixed partition with louver and top hung glass shutter along corridor.		1M ²	
21			Supplying and fixing of the following dia SWR PVC pipes including cutting charges,cost of cement solvent for joining and fixing with necessary SWR PVC plumbing specials for external sewage line, waste water line including necessary scaffolding etc., complete but including cost of specials and excluding MS brackets which will be paid seperately.			
a	40.00	M	110 mm dia		1RM	

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Sl.no.	Quantity		Description of the Work	Rate	Unit	Amount
22	25.00	Kgs	Supplying and fixing of required size brackets and clamps using MS Angles, MS flats, and MS threaded rods as 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	
23			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	
24	5.00	M	Providing and fixing in position 25mm thick expansion joint fillers (Shalitex board/Bituminous board-Supreme /Shalimar /appd make)		1RM	
25	10.00	M	Providing, fixing and sealing expansion joints with 25mm thk and 50mm deep METAZEAL low density , closed cell, cross linked, polyethylene non extrudable form) in expansion joints, by fixing to the substrata with 2 component ,100% solid modified epoxy adhesive. (METAZEAL manufactured by Sanfield (India) Ltd. or equivalent.) The work shall be as per manufacturers specifications and instructions . The expansion joint fillers should be removed by chipping to depth of 50mm		1RM	
26	10.00	M	Providing and fixing roof joint expansion system model-RFL manufactured by Sanfield (India) limited , comprising of moisture barrier membrane and aluminium cover plate of 175mm width, aluminium profile runner with elastomeric gasket fixed with bolts and anchors as required. The work shall be in all respect as per manufacturers instructions and guidance.		1RM	
27	10.00	M	Providing and fixing expansion system at floor finish comprising of EPDM moisture barrier membrane fixed to floor mounted aluminium extrusion with fasteners at 450mm C/C and elastomeric seal with total system width of 50mm.(LPF-100 manufactured by Sanfield (India) Ltd. or equivalent.)		1RM	
28	275.00	M ²	Painting two coats with Acrylic emulsion paint of approved make and colour over new/old 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	
29	155.00	M ²	Painting two coats with exterior acrylic emulsion paint of approved make and colour over new walls and ceiling with one coat of exterior water based primer incl, cleaning the surfaces, cost of all materials, brush and scaffolding etc complete.		1M ²	
30	450.00	M2	Scraping completely and cleaning the white (or) colour washed surface (or) snowcem surface of old walls and ceilings using putty plate, sand paper and wire brush etc. incl. scaffolding and clearing the debris away from site etc. complete.(For Interior and Exterior surfaces).		1M2	
31			Making through holes in Plain or Reinforced Cement Concrete/Brickwork with Diamond Core Drilling System by using BOSCH power tools of following diameter			
a	3.00	Nos	upto 200mm (Plain or Reinforced Cement Concrete)		1No	
b	3.00	Nos	upto 200mm (Brickwork)		1No	
32			Drilling of holes and grouting dowel rods with non shrink grout including cost all matrials etc complete			

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Sl.no.	Quantity		Description of the Work	Rate	Unit	Amount
a	10.00	Nos	Up to 12mm dia		1No	
b	10.00	Nos	12mm to 16mm dia		1No	
33	1,000.00	Kgs	Supplying, fabrication and erection of roof truss & purlin using of MS Pipe, S.H.S, Angle & Plate, 'B' class Apollo/equivalent charges including Cost of necessary tools & materials, labours, fabrication and welding Charges ,one coat primer & 2 coat of enamel paint as per instruction of engineer in charge, complete.		1Kg	
34	45.00	M ²	Supplying and fixing of roofing with sandwich roofing panel(PUF) 50mm thick external and internal steel wall facing in 0.5mm thick PPGI respectively of approved colour,insulation with rigid polyurethane foam density 40(+/-) 2Kg/M3, fixing the panels to the roof truss with perfect line and level without any damage and stains including cost of all materials, self tapping screws etc., complete as per manufacturer's specifications.		1M ²	
35	9.00	M	Supplying and fixing in position of plain Flashing sheet match with Roof profiled Sheet pre -painted galvanised steel sheet zinc coating 0.50mm thick of approved make and colour, with proper over laps, including cost of all materials, fixing with accessories, finishing in all respects etc., Complete.		1RM	
36			Supplying and fixing in position of following sizes of pvc rain water gutter 4Kgs/CM2 arrangements including cost of all materials, necessary supporting arrangements using 40x6mm M.S. flat which is to be bent to required shape and welded with truss ends &painting 2 coats of 1st quality of synthetic enamel paint over one coat of Zinc chromate primer, etc., complete			
a	9.00	M	160mm dia half round PVC pipe		1RM	
37	200.00	Kgs	Labour charges for refixing of existing trusses, purlins and rafters above 10 metres span and 5 metres height including clearing away from site and stacking as directed. (Truss & purlin, MS Weld Mesh)		1Kg	
38	160.00	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 heights.For scaffolding for a height Upto 25m inclusive of cost of materials.		1M ²	
39	10.00	M ²	Labour charges for refixing of aluminium/ Gypsum partitions and false ceiling including clearing the debris away from site as directed.		1M ²	

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Sl.no.	Quantity		Description of the Work	Rate	Unit	Amount
40	10.00	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	
41			Supplying and fixing in position of stainless steel pipe 18 gauge, 304 grade including cost of all materials, bending to required shape fixing, grouting with CM finishing in all respects etc. complete			
a	50.00	RM	25mm dia		1RM	
b	50.00	RM	32mm dia		1RM	
				Sub Total		
			Excl.GST-18% -C/O to Consolidated Summary			