

**MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR****Name of work :- Renovation of Toilets and Kitchen C and D- type Quarters at MNIT campus Jaipur**

ESTATE SECTION

G-Schedule**Name of the Firm:-**

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S.No		Qty	Items	Unit	Rate	Amount
1			CONCRETE WORK			
1.1			Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :			
1.1.1		11	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	cum	5481.95	60301.45
2			BRICK WORK			
2.1			Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.			
2.1.1		5	Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	684.20	3421.00
3			MARBLE AND GRANITE WORK			

3.1			Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.			
3.1.1			Granite of any colour and shade			
3.1.1.1		155	Area of slab over 0.50 sqm	sqm	3113.30	482561.50
3.2		19	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	each	427.95	8131.05
4			FLOORING			
4.1		805	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	744.80	599564.00

4.2		230	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	sqm	688.35	158320.50
5			FINISHING			
5.1			12 mm cement plaster of mix :			
5.1.1		11	1:6 (1 cement: 6 coarse sand)	sqm	168.25	1850.75
6			REPAIRS TO BUILDINGS			
6.1			Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.			
6.1.1		45	With cement mortar 1:4 (1cement: 4 coarse sand)	sqm	274.80	12366.00
6.2		25	Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in-charge.	each	47.55	1188.75

6.3		200	Cleaning of chocked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm dia for all depth.	metre	217.80	43560.00
6.4		41	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	each	55.45	2273.45
6.5		760	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes within 50 metres lead as per direction of Engineer- in-Charge. (a) Internal Work Exposed on wall	metre	2.00	1520.00
6.6		41	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	each	176.40	7232.40
7			DISMANTLING & DEMOLISHING			
7.1			Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.			
7.1.1		49	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	997.05	48855.45

7.2			Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
7.2.1		230	For thickness of tiles 10 mm to 25 mm	sqm	31.55	7256.50
7.3			Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :			
7.3.1		90	75 to 80 mm dia pipe	metre	30.95	2785.50
7.3.2		90	100 mm dia pipe	metre	31.95	2875.50
7.4		154	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	sqm	22.40	3449.60
7.5		62	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	120.55	7474.10
8			SANITARY INSTALLATIONS			
8.1			Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 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 complete, including cutting and making good the walls and floors wherever required:			
8.1.1		19	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	3494.20	66389.80

8.2			Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :			
8.2.1		19	W.C. pan with ISI marked white solid plastic seat and lid	each	4593.75	87281.25
8.3		22	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	each	2984.20	65652.40
8.4			Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :			
8.4.1			Kitchen sink without drain board			
8.4.1.1		19	610x510 mm bowl depth 200 mm	each	2476.60	47055.40
8.5		19	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eureka type W.C. of quality and make as approved by Engineer - in - charge.	each	254.80	4841.20

8.6			Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.			
8.6.1		10	10 litre capacity - White	each	831.50	8315.00
8.7			Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete :			
8.7.1		10	White solid plastic seat with lid	each	410.20	4102.00
8.8		36	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan.	each	96.60	3477.60
8.9		22	Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make as approved by Engineer in charge. (a) 15 mm nominal dia	each	4715.75	103746.50
8.1			Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.			
8.10.1			Flexible pipe			
8.10.1.1		32	40 mm dia	each	75.60	2419.20
8.11		40	Providing and fixing in position 25 mm diameter mosquito proof coupling of approved municipal design.	each	38.50	1540.00
8.12			Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :			
8.12.1		36	Rectangular shape 453x357 mm	each	752.80	27100.80
8.13			Providing and fixing soil, waste and vent pipes :			
8.13.1			100 mm dia			
8.13.1.1		95	Sand cast iron S&S pipe as per IS: 1729	metre	862.80	81966.00
8.14			Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.			
8.14.1			100 mm dia			

8.14.1.1		19	Sand cast iron S&S as per IS - 1729	each	340.75	6474.25
8.15			Providing and fixing plain bend of required degree.			
8.15.1			100 mm dia			
8.15.1.1		19	Sand cast iron S&S as per IS - 1729	each	433.70	8240.30
8.16			Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :			
8.16.1		50	100 mm	each	309.95	15497.50
8.17			Providing and fixing M.S. stays and clamps for sand cast iron/ centrifugally cast (spun) iron pipes of diameter :			
8.17.1		25	100 mm	each	62.00	1550.00
8.18			Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :			
8.18.1			100 mm inlet and 100 mm outlet			
8.18.1.1		19	Sand cast iron S&S as per IS: 3989	each	1034.45	19654.55
8.19			Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :			
8.19.1		19	100 mm dia	metre	355.70	6758.30
8.2		36	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	each	137.85	4962.60

8.21			Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.			
8.21.1		50	450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	each	390.20	19510.00
9			WATER SUPPLY			
9.1			Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :			
9.1.1		380	15 mm dia nominal bore	metre	285.70	108566.00
9.2			Providing and fixing uplasticised PVC connection pipe with brass unions :			
9.2.1			45 cm length			
9.2.1.1		50	15 mm nominal bore	each	67.80	3390.00
9.3			Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :			
9.3.1		16	150 mm diameter	each	85.90	1374.40
9.4			Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design :			

9.4.1		10	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	1195.35	11953.50
9.5			Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :			
9.5.1		5	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	6849.60	34248.00
9.6			Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :			
9.6.1		5	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	11842.75	59213.75

9.7			Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :			
9.7.1		10	15 mm nominal bore	each	147.75	1477.50
9.8			Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.			
9.8.1		3000	Circular tank	per litre	7.25	21750.00
9.9			Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.			
9.9.1		19	15 mm nominal bore	each	555.30	10550.70
9.1			Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.			
9.10.1		36	15 mm nominal bore	each	492.55	17731.80
9.11			Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931			
9.11.1		72	15mm nominal bore	each	475.70	34250.40
			Total			2346028.20
			Add Cost Index @18.63% (On Estimate Total 23,46,028.20)			437065.05
			Grand Total			2783093.25
			Say			2783094.00

			Percentage "Above" or "Below" or "At par" the Estimated cost of work/schedule		
Descripti	Estimated cost of		Rate Quoted by Contractor As		Price

Sr.No.	on of Item	Estimated cost of work (in Rupees)	"Above" or "Below" or "At Par"	% in Figures	In Words	Total Cost (in Rupees)
1	2	3	4	5	6	7
1		2783094				-
TOTAL COST OF		27,83,094.00	TOTAL QUOTED PRICE=			0.00
Grand Total (in words)						

H Shedule

S.No.	QTY	Description	Unit	Rates (in Rs.)	Amount n Rs.)
1	36.00	Removing & Re fixing of P.V.C. Cistern fittings (Syphon, Ball cock & Handle Set) complete as per	Each		0.00
2	18.00	Two way Bib Cock 15 mm nominal size	Each		0.00
3		P & F Grating of approved quality/make:			
	40.00	Stainless Steel Sheet size 125mm dia. Heavy Quality of approved make	Each		0.00
4		Making of hole (width up to 150 mm) in R.C.C. slab/wall/beams by power driven drilling machine complete as per direction of EI			
	6.00	upto 150mm thick	Each		0.00
		Total			0.00

Total Amount G-schedule + H Schedule =

0.00