

DAV PUBLIC SCHOOL, ETWA NAGAR, BEGUSARAI

BOQ

REF:				DATE:		
FOR RENOVATION OF TOILET						
(INCLUDING PH TOILET)						
AT DAV PUBLIC, ETWANAGAR, BEGUSARAI						
FOR FINANCIAL APPROVAL ONLY						
SL.NO		DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1	ANALYSIS RATE	Dismantling of flushing cistern of any size including Stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead				
		Dismantling tile work in floors and roofs laid in cement Mortar including stacking material within 50 metres lead.				
		For thickness of tiles 10mm to 25mm				
		Demolishing cement concrete including disposal of material within 50 metre lead:				
		1:3:6 or richer mix				
		Earth work in excavation over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m; disposed earth to be levelled and neatly dressed.				
		All Kinds of soil				
		Dismantling old plaster or skirting raking out joint sand Cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.				
		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.				
		Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C. kitchen and the like consisting of: (i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions. (ii) 11th course of 20 mm cement plaster 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportion, (iii) 3rd course of applying blown or residual bitumen applied hot at 1.7 kg per sqm of area, (iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).				
		Supply and stacking of Flyash conforming to IRC-58 at site, including carriage, loading, unloading & stacking up to any lead				
		Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering all work up to plinth level.				
		1:2:4 (1 Cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)				

		Providing and laying Ceramic glazed floor tiles 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 motar 1:4 (1 cement: 4 coarse sand)including pointing the joints with white cement and Matching pigment etc., complete.				
		Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) 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 Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cementslurry@3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete				
		6mmcementplastertoceilingofmix:				
		1:3(1cement:3coarsesand)				
		12mmcementplasterofmix:				
		1:6(1cement:6coarsesand)				
		Applying one coat of cement primer of approved brand and Manufacture on wall surface:				
		Cement primer				
		Wall painting with plastic emulsion paint of approved Brand and manufacture to give an even shade:				
		Two or more coats on new work				
		Providing and fixing water closet squatting pan (Indian type W.C pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C flushing cistern 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:				
		White Vitreous china Orissa pattern W. C pan of size 580x440mm with integral type foot rests.				
		Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350mm and 340 x 410 x 265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions G.I. clamps, complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:				
		Range of two urinal basins with 5litre white P.V.C. Automatic flushing cistern				
		Range of three urinal basins with 10litre white P.V.C. Automatic flushing cistern				
		Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour weighing not Less than105gms.				
		Providing and fixing PTMT towel ring trapezo dial shape 215mm long, 200mm wide with a minimum distances of 37mm from wall face with concealed fittings arrangement of approvedqualityandcolour.Weighingnotlessthan88 gms.				
		Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour.				

		450mmlongtowelrailwithtotallengthof495mm,78mm wide and effective height of 88mm, weighing not less than 170 gms.				
		Providing and fixing PVC Soil, Waste & vent pipes all complete				
		110mm dia				
		40mmdia				
		Providing and fixing PVC fittings all complete as/specification & direction of E/I				
		110mmventcowel				
		110mmplainbend				
		110mmdiaX45Bend				
		110X110mmdiaplain-y				
		110X110mmdiaplaintee				
		110X110mmdiadoortee				
		110mmpipe clip				
		110X110mmdiap-trap				
		40mmelbow				
		40mmplaintee				
		WATERSUPPLY				
		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC)pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per Direction of Engineering Charge.				
		Internal work-Exposed on wall				
		20mm Nominal outer dia pipes				
		25mm Nominal outer dia pipes				
		32mm Nominal outer dia pipes				
		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC)pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction nof Engineering Charge.				
		Concealed work, including cutting chases and making good the				
		20mm Nominal outer dia pipes				
		25mm Nominal outer dia pipes				
		Providing and fixing brass stop cock of approved quality				
		20mmNominalbore				
		Providing and fixing gunmetal gate valve with C.I. wheel Of approved quality.				
		25mm Nominal bore				
		32mm Nominal bore				
		Providing and fixing uplasticised PVC connection pipe With brass unions.				
		45cmlength				
		15mmNominalbore				
		Providing and fixing G.I. union in G.I. pipe including cutting and threading the pipe and making long screws etc.				
		20mmdia.Nominal bore				
		25mmdia.Nominal bore				
		32mmdia.Nominal bore				
		C.P.BRASS FITTINGS				
		Providing and fixing C.P. brass bib cock of approved Quality conformingtoIS:8931.				
		15mmNominalbore				

		Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.				
		15mmNominalbore				
		Providing and fixing C.P brass angle valve for basin mixer And geyser points of approved qualityconformingtoIS:8931				
		15mm Nominal bore				
		Providing and fixing C.P. brass stop cock(concealed)of Standard design & of approved make conforming to IS 8931.				
		15mmNominalbore				
		ProvidingandfixingC.P.brassshowerrosewith15or20 Mm inlet				
		100mmdiameter				
		Providing and fixing PTMT grating of approved quality and colour.				
		Circular type				
		100mmnominaldia.				
		Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements. Weighing not less than 106gms.	Sqm	23.41		
		Size:12'x21'=252S.Ft=23.41Sq.M				
2	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre moulded and pre polished, 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 : 4coarse 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.				
	8.2.2	Granite of any colour and shade				
	8.2.2.1	Areaofslabupto0.50sqm	Sqm	2.96		
3	6.18A	Halfbrickmasonrywithbricksofclassdesignation100A In foundations and plinthin:				
	6.18.4A	Cementmortar1:4(1cement:4coarsesend)	Sqm	36.78		
4	13.12	15mncementplasteronroughsideofsingleorhalfbrick Wall of mix.				
	13.12.4	1:6(1cement:6coarsesand)	Sqm	36.78		
5	13.78	Applying one coat of cement primer of approved brand and Manufacture on wall surface				
	13.78.1	Cement primer	Sqm	36.78		
6	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) 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 Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cementslurry@3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.(Full Height Wall Tiles)	Sqm	32.32		

7	9.21	Providing and fixing ISI marked flush door shutters conforming to IS:2202(Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters				
	9.21.1	35mm thick including ISI marked Stainless Steel butt Hinges with necessary screws	Sqm	42.17		
8	21.2	Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
	21.2.1	Pre-laminated particle board with decorative lamination on One side and balancing lamination on other side	Sqm	11.88		
9	10.32	Steel work welded in built up sections/framed work including cutting hoisting, rising in position and applying a priming coat of approved steel primer using structural steel, etc. as required.				
	10.32.2	In gratings, frames, guard bar, ladders, railings, brackets. Gates & similar works	Kg	148.16		
10	17.7	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require				
	17.7.1	White Vitreous China Wash basin size 630x450mm with a pair of 15mm C.P. brass pillar taps	Each	3.00		
11	17.71	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 105gms.	Each	4.00		
12	17.73	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.				
	17.73.1	450mm long towel rail with total length of 495mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms	Each	4.00		
13	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 wall and Floors wherever required				
	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	1.00		
		TOTAL				
		Note:-				
	1)	Rate should be inclusive of GST				