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OFFICE OF THE PRINCIPAL
HANDIQUE GIRLS' COLLEGE
GUWAHATI - 781001, ASSAM

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Ref. No. : HGC/ESTT/NIQ/2024/01/005

Date : 08.07.2024

NOTICE INVITING QUOTATION

Sealed quotation on firm letterhead affixing a non refundable court fee stamp of Rs. 8.25 are hereby invited from the reputed registered firms/contractors of relevant categories having experience of execution of similar nature of constriction/renovation works as mentioned below at Handique Girls' College, Guwahati-01, Assam. The quotations along with GST Registration certificate, PAN Card, Trade License and Experience Certificate of execution of works of similar nature have to be submitted at the designated place at the Office of the undersigned. The sealed envelope must be superscribed with the Quotation Number and addressed to the undersigned. The quotation will be received by the Office of the Principal, Handique Girls' College up to **15th July, 2024, 2.00 pm** and will be opened on the same day at 3.00 pm. Contractor or one authorized person may be present at the time of opening.

1.	Name of Work	Construction of Toilet at Zoology Department at Handique Girls' College, Guwahati-01, Assam as per CPWD DSR 2021
2.	Estimated amount	Rs.2,54,700.00
3.	Time of completion	30 days
4.	Earnest Money to be deposited with the quotation Paper	2 % of Estimated value for General Category and 1% of estimated value for SC/ST/OBC/MOBC Category.
5.	Security Deposit	Addition 3% of Estimated value (only by Successful bidder)

The Earnest and Security amount will have to be deposited by Demand Draft in the favour of Principal-Cum Secretary, Handique Girls' College, Guwahati, Payable at Guwahati. Quotations submitted by the bidders shall remain valid for acceptance for a period of 180 (one hundred eighty) days from the date of opening of such quotations. The bidder/s shall not be entitled to revoke or cancel his/their quotation/s or to vary any of the terms thereof during the said period of validity. The period of liability shall be 12 (Twelve) months reckoned from the date of issue of completion certificate on actual completion of the work. The taxes as per rule will be deducted at source from the total bill value. Quotation not properly sealed will be liable for cancellation.

Principal
Handique Girls' College
Guwahati-01, Assam

Memo No.: HGC/ESTT/NIQ/2024/01/005-A, Dated: 08.07.2024

Copy to:

1. Notice board/Website for display.
2. Convenor, Construction Committee for kind information.
3. Office file for record.

Principal
Handique Girls' College
Guwahati-01, Assam

MEASUREMENT SHEET FOR TOILET OF ZOOLOGY DEPARTMENT AT HANDIQUE GIRL'S COLLEGE, DIGHALIPUKHURIPAR, PANBAZAR, GUWAHATI AS PER CPWD DSR 2021

SL. NO.	SOR I/No.	Description of Items	NO.	L	B	H	QTY	Unit	Rate	Amount
1	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.								
		Jungle Cleaning Outside	1	3	4		12.00	SQM		
2	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge								
		Post Dismantle	3	3	0.2	0.2	0.36	CUM		
		Lintlel	3	1.5	0.15	0.15	0.10	CUM		
		Floor RCC	1	2	2	0.2	0.80	CUM		
						Total	1.26	CUM		
3	15.7	Demolishing brick work 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.								
	15.7.4	In cement mortar cum Wall Dismatle	3	1.5	0.15	3	2.03	CUM		
4	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :								
	15.12.1	Of area 3 sq. metres and below Door	1	0.8	2.1		1.00	Each		
5	15.14.1	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead :								
		Of sectional area 40 square centimetres and above Wood Frame	4	2	0.1	0.075	0.06	CUM		
6	15.23.2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.								
		For thickness of tiles above 25 mm and up to 40 mm Floor Tile	1	1.5	1.5		2.25	SQM		
7	15.28	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of								
		G.S. Sheet Roof	1	2	2		4.00	SQM		
8	2.2.1	Earth work in rough excavation, banking excavated earth in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m :								
		All kinds of soil Column Foundation	2	1.2	1.2	1.5	4.32	CUM		

SL. NO.	SOR I/No.	Description of Items	NO.	L	B	H	QTY	Unit	Rate	Amount
9	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.								
		Sand Filling	1	2	1.7	0.8	2.72	CUM		
10	4.10	Providing and laying damp-proof course 40mm thick with cementconcrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from naturasources : 4 graded stone aggregate 12.5mm nominal size derived fromnatural sources)								
		Above Plinth Level	2	2	0.125		0.50	SQM		
		Above Plinth Level	1	1.7	0.125		0.21	SQM		
						Total	0.71	SQM		
11	6.13	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.								
		Cement mortar 1:4 (1 cement :4 coarse sand)								
	6.13.2	Wall	2	2		3.8	15.20	SQM		
		Wall	1	1.7		3.8	6.46	SQM		
		Deduct Door	-1	0.8		2.1	-1.68	SQM		
		Deduct Window	-1	0.8		1.35	-1.08	SQM		
				Total	18.90	SQM				
12	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with awall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineerin-Charge.								
		PVC DOOR	1	5			5.00	MTR		

SL. NO.	SOR I/No.	Description of Items	NO.	L	B	H	QTY	Unit	Rate	Amount
13	9.120.2	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick pre laminated PVC door shutters								
		PVC DOOR	1	0.8	2.1		1.68	SQM		
14	12.45.2	12.5 mm thick tapered edge Glass Reinforced Gypsum (GRG) board conforming to IS: 2095- (Part 3):1996 (Boards with BIS certification marks)								
		Ceiling	1	2.1	1.8		3.78	SQM		
15	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete								
		9.97.1 300x10 mm Door					2.00	EACH		
16	9.98	Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.								
		Door					1.00	EACH		
17	11.1	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:								
		1:4 (1 cement : 4 coarse sand)								
	11.1.2	Floor	1	2	1.7		3.40	SQM		
		Below Tie Beam	2	2	0.25		1.00	SQM		
		Below Tie Beam	1	1	0.25		0.25	SQM		
		Footing	2	0.8	0.8		1.28	SQM		
	Total					5.93	SQM			

SL. NO.	SOR I/No.	Description of Items	NO.	L	B	H	QTY	Unit	Rate	Amount
18	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete								
		40 mm thick with 20 mm nominal size stone aggregate								
		Floor	1	2	1.7		3.40	SQM		
19	8.31	Providing and fixing Ist 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.								
		Wall Tiles	2	2	2.1		8.40	SQM		
		Wall Tiles	2	1.7	2.1		7.14	SQM		
		Deduct Door	-1	0.8	2.1		-1.68	SQM		
		Deduct Window	-1	0.8	1.2		-0.96	SQM		
		Total					12.90	SQM		
20	11.41	Glazed Vitrified tiles Matt/Antiskid finish of size Size of Tile 600 x 600 mm								
		Floor Tiles	1	2	1.8		3.60	SQM		
21	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :								
		1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources								
	5.1.2	Footing	2	0.6	0.6	0.45	0.32	CUM		
		Tie Beam	2	2	0.25	0.35	0.35	CUM		
		Tie Beam	1	1.7	0.25	0.35	0.15	CUM		
		Column Upto Plinth LVL	2	1.8	0.25	0.25	0.23	CUM		
	Total					1.05	CUM			
22	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :								
		1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)								
	5.2.2	Column	2	0.25	0.25	3	0.38	CUM		
		Lintel	2	2	0.15	0.15	0.09	CUM		
		Lintel	1	1.7	0.15	0.15	0.04	CUM		
		Post Plate Beam	2	2	0.15	0.15	0.09	CUM		
		Post Plate Beam	1	1.7	0.15	0.15	0.04	CUM		
		Mulion Post	2	0.2	0.2	3	0.24	CUM		
		Total					0.87	CUM		

SL. NO.	SOR I/No.	Description of Items	NO.	L	B	H	QTY	Unit	Rate	Amount	
23	5.9	FORM WORK									
		Centering and shuttering including strutting, propping etc. and removal of form for									
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete									
		Footing	2	0.6	0.45	4	2.16	SQM			
		Tie Beam	2	2	0.35	2	2.80	SQM			
		Tie Beam	1	1.7	0.35	2	1.19	SQM			
		Total					6.15	SQM			
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers									
		Lintel	2	2	0.15	2	1.20	SQM			
		Lintel	1	1.7	0.15	2	0.51	SQM			
		Post Plate Beam	2	2	0.15	2	1.20	SQM			
		Post Plate Beam	1	1.7	0.15	2	0.51	SQM			
		Total					3.42	SQM			
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts									
		Column Upto Plinth LVL	2	0.25	4	4.8	9.60	SQM			
		Mullion Post	2	0.15	4	3	3.60	SQM			
		Total					13.20	SQM			
	24	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level								
			Thermo-Mechanically Treated bars of grade Fe-500D or more.								
Lintel 10 MM			2	2.1	4	0.62	10.42	KG			
Stirrup			2	0.5	18	0.39	7.02	KG			
Lintel 10 MM			1	1.8	4	0.62	4.46	KG			
Stirrup			1	1.8	15	0.39	10.53	KG			
Post Plate Beam 10 MM			2	2.1	4	0.62	10.42	KG			
Stirrup			2	0.5	18	0.39	7.02	KG			
Post Plate Beam 10 MM			1	1.8	4	0.62	4.46	KG			
Stirrup			1	1.8	15	0.39	10.53	KG			
Footing Both Way 10 MM			2	0.6	10	0.89	10.68	KG			
Column 16 MM			2	4.5	4	1.58	56.88	KG			
Stirrup			2	0.95	38	0.39	28.16	KG			
Mullion Post 10 MM			2	3.8	4	0.62	18.85	KG			
Stirrup			2	0.7	31	0.39	16.93	KG			
Tie Beam 16 MM			2	2.1	4	1.58	26.54	KG			
Stirrup			2	1.15	18	0.39	16.15	KG			
Tie Beam 16 MM			1	1.8	4	1.58	11.38	KG			
Stirrup			2	1.15	15	0.39	13.46	KG			
Total					263.87	KG					

SL. NO.	SOR I/No.	Description of Items	NO.	L	B	H	QTY	Unit	Rate	Amount
25	12.1	SHEET ROOFING Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required								
	12.1.2	0.80 mm thick with zinc coating not less than 275 gm/m ²								
		Roof	1	2	3		6.00	SQM		
26	12.4	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete.								
	12.4.1	0.80 mm thick with zinc coating not less than 275 gm/m								
		Ridge	2		2		4.00	MTR		
27	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.								
28	10.16.1	Hot finished welded type tubes								
		CHS 48.30 x 4	6	4	4.37		104.88	KG		
		CHS 48.30 x 5	3	3	4.37		39.33	KG		
		CHS 33.7 X 3.2	5	3	2.41		36.15	KG		
		Plate					40.00	KG		
						Total	220.36	KG		
29	13.4	12 mm cement plaster of mix :								
	13.4.1	1:4 (1 cement: 4 coarse sand)								
		Exterior Wall	1	1.7		3.8	6.46	SQM		
		Exterior Wall	2	2		3.8	15.20	SQM		
		Deduct Window	-1	0.8		1.35	-1.08	SQM		
		Interior wall	2	2		0.9	3.60	SQM		
		Interior wall	2	1.7		0.9	3.06	SQM		
		Deduct Door	-1	0.8		2.1	-1.68	SQM		
		Deduct Window	-1	0.8		1.35	-1.08	SQM		
					Total	24.48	SQM			
30	13.26	Providing and applying plaster of paris putty of 2 mm thickness overplastered surface to prepare the surface even and smooth complete								
		Exterior Wall	1	1.7		3	5.10	SQM		
		Exterior Wall	2	2		3	12.00	SQM		
		Deduct Window	-1	0.8		1.35	-1.08	SQM		
		Interior wall	2	2		0.9	3.60	SQM		
		Interior wall	2	1.7		0.9	3.06	SQM		
		Deduct Door	-1	0.8		2.1	-1.68	SQM		
		Deduct Window	-1	0.8		1.35	-1.08	SQM		
					Total	19.92	SQM			

SL. NO.	SOR I/No.	Description of Items	NO.	L	B	H	QTY	Unit	Rate	Amount
31	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade								
	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer								
		Interior wall	2	2		0.9	3.60	SQM		
		Interior wall	2	1.7		0.9	3.06	SQM		
		Deduct Door	-1	0.8		2.1	-1.68	SQM		
		Deduct Window	-1	0.8		1.35	-1.08	SQM		
						Total	3.90	SQM		
32	13.48	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives								
		New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.								
		Exterior Wall	1	1.7		3.8	6.46	SQM		
		Exterior Wall	2	2		3.8	15.20	SQM		
		Deduct Window	-1	0.8		1.35	-1.08	SQM		
						Total	20.58	SQM		
33	21.3.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gaske etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):								
		With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)								
		Window	1	0.75		1.35	1.01	SQM		

Grand Total-

MEASUREMENT SHEET FOR SANITARY & WATER SUPPLY -TOILET OF ZOOLOGY DEPARTMENT AT HANDIQUE GIRL'S COLLEGE, DIGHALIPUKHURIPAR, PANBAZAR, GUWAHATI AS PER CPWD DSR 2021

Sl. No.	Item No.	Description of Item	Qty	Units	Rate	Amount
1	17.1	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:				
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	1.00	Each		
3	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. bras pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wallswherever require:				
	17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	1.00	Each		
4	17.60.1	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 :				
		100 mm inlet and 100 mm outlet				
		Sand cast iron S&S as per IS: 3989	1.00	Each		
5	17.32	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 : 17.32.1 Circular shape 450 mm dia	1	Each		
6	17.7	Providing and fixing PTMT Bottle Trap for Wash basin and sink. 17.70.1 Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	1	Each		
	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. 17.69.1 Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	2	Each		
7	17.36	Providing and fixing soil, waste and vent pipes : 17.35.1 100 mm dia 17.35.1.1 Sand cast iron S&S pipe as per IS: 1729	5	R.m		
		75 mm diameter : 17.35.2.1 Sand cast iron S&S pipe as per IS: 1729	5	R.m		

Sl. No.	Item No.	Description of Item	Qty	Units	Rate	Amount
8	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 17.38.1 100 mm dia 17.38.1.1 Sand cast iron S&S as per IS - 1729	3	Each		
		75 mm dia 17.38.2.1 Sand cast iron S&S as per IS - 1729	3	Each		
9	1.39	Providing fitting and fixing 110mm dia. PVC cowl with ISI make complete as directed and specified.	2	Each		
10	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.				
		18.9.4 32 mm nominal dia Pipes	10	RM		
11	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 18.8.1 15 mm nominal dia Pipes	5	RM		
		18.8.2 20 mm nominal dia Pipes	5	RM		
		18.8.3 25 mm nominal dia Pipes	5	RM		
12	18.5	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 18.50.1 15 mm nominal bore	2	Each		
	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	2	Each		
13	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :	2	Each		
		18.17.1 25 mm nominal bore 18.17.3 40 mm nominal bore	1	Each		
14	18.90.4	Providing and fixing required Stainless Steel Fitting of press fit design of grade AISI 304 conforming to JWWA G116 standard with V-profile or M-profile and with O-ring sealing gasket of EPDM material of required dia as per direction of Engineer-in-charge.				
		Elbow 90° For 34.00 mm outer dia pipe each	2	Each		
15	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 105 gms	2	Each		

Grand Total-

**MEASUREMENT SHEET FOR ELECTRICAL WORKS REPAIR & RENOVATION OF EXISTING
TOILET - ZOOLOGY DEPARTMENT AT HANDIQUE GIRL'S COLLEGE,
DIGHALIPUKHURIPAR, PANBAZAR, GUWAHATI**

SI No	Item No	Item	QTY	Unit	Rate	Amount
1	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
	1.3.2	Group B	5	Each		
2	1.7	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required				
	1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	20	m		
	1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	12	m		
3	1.27	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
	1.27.1	1 or 2 Module (75mmX75mm)	1	Each		
4	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.10.2	Single Pole and Neutral	1	Each		
5	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
	1.50.1	Upto 450 mm sweep	1	Each		
6	As per approved rate analysis	Supply with fitting, fixing of 12 Watt LED Bulb 3 range(BAJAJ/POLYCAB/PHILIPS/EQUIVAL star ENT)	1	Each		
TOTAL						