

**Name Of Work:** Construction of Building for COMMON FACILITY CENTRE BECHIMARI CANE AND BAMBOO CLUSTER, IMPLEMENT BY .....

**Schedule of Items and Quantity:**

SL NO.	Item Description	Unit	No	Length	Breath	Height	Quantity	Rate	Amount
Item No. 1.	Earth work in excavation for footing of column, steps, tie-beams etc. including refilling the quantity as work dressing, watering and ramming etc. complete in ordinary soil below upto 2mtr. from existing G.L.	Cub. Mtr.							
	a) For Building Post		35	0.900	0.900	0.900	25.515		
	b) For Building Tie Beam		1	114.000	0.350	0.400	15.960		
			1	32.000	0.300	0.600	5.760		
	c) Stairs and others		3				3.000		
	Processing Unit								
	a) For Building Post		22	0.900	0.900	0.900	16.038		
	b) For Building Tie Beam		1	65.000	0.350	0.300	6.825		
							<b>73.098</b>		
Item No. 2.	Providing Brick soling in foundation and under floor at levels with best quality picked jhama bricks, sand packed and lay to floor level and panels after preparing the sub-grade as directed including all labour and materials and if necessary dewatering complete.	Sq. Mtr.							
	a) For Building column		35	0.900	0.900		28.350		
	b) For Building Tie beam		1	114.000	0.350		39.900		
			1	32.000	0.600		19.200		
	c) Building Floors		1	32.000	10.000		320.000		
	d) Stairs and Others		10				10.000		
	Processing Unit								
	a) For Building column		22	0.900	0.900		17.820		
	b) For Building Tie beam		1	65.000	0.250		16.250		
	c) Building Floors		1	17.500	10.000		175.000		
							<b>626.520</b>		
Item No. 3.	Plain cement concrete works with course aggregate of sizes 13 mm to 32mm in foundation bed of footing, steps,walls brick work etc. in proportion 1:3:6 as directed and specified including dewatering and curing complete.	Cub. Mtr.							
	Building						4.444		
	Processing Unit						0.272		
							<b>4.716</b>		
Item No. 4.	Providing and laying 25mm thick damp proof course (D.P.C.) with cement concrete 1:1.5:3 proportion with graded stone aggregate 10 mm down nominal size at tie beam bottom	Sq. Mtr.							
			1	114.000		0.250	28.500		
			1	65.000		0.250	16.250		
							<b>44.750</b>		
Item No. 5.	Providing and laying reinforced cement concrete works with graded stone aggregate, 20 mm down, including dewatering if necessary and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work. (Form work and reinforcement will be measured and paid separately).	Cub. Mtr.							
	<b>a) In sub structure upto plinth M20 using mixture machine (proportion 1:1.5:3) without using admixture &amp; plastisizer</b>								
	For Footing		35.00	0.900	0.900	0.150	4.253		
			35.00	0.351	0.200		2.459		
	For Column Upto Plinth		39.00	1.150	0.250	0.250	2.803		
	For Tie Beam		1.00	114.000	0.250	0.300	8.550		
	Processing Unit								
			22.00	0.900	0.900	0.150	2.673		
			22.00	0.250	0.250	1.200	1.650		
							<b>22.387</b>		
	<b>b) In superstructure M15 using mixture machine (proportion 1:2:4) without using admixture &amp; plastisizer</b>								
	For column		35.00	3.650	0.150	0.150	2.874		
	Lintel Beam		1.00	114.000	0.150	0.130	2.223		
			1.00	88.500	0.150	0.130	1.726		
	Mullion		5.00	3.650	0.130	0.130	0.308		
	Chajja		1.00	50.000	0.500	0.080	2.000		
	Processing Unit								
			22.00	0.150	0.150	3.360	1.663		
							<b>10.795</b>		
Item No. 6	Providing form work of ordinary timber planking so as to give a rough finish including centring shuttering etc. heath of centring below supporting floor to ceiling not exceeding 4.0m and removal of the same for in situ reinforced concrete and plain cement concrete in (using 25mm thick plank)	Sq. Mtr.							
	<b>Substructure:</b>								
	Primary Unit								
	Building Column, Beam etc						149.950		
	Processing Unit								
	Building Column, Beam etc						96.36		
							<b>246.310</b>		
	<b>Superstructure:</b>								
	Primary Unit								
	Building Column, Beam, Chajja etc						166.370		
	Processing Unit								
	Building Column, Beam, Chajja etc						47.520		
							<b>213.890</b>		
Item No. 7	a) Brick work in cement mortar 1:4 with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed and specified in substructure upto plinth level.	Sqr. Mtr.							
	Main Unit		1.000	114.000	0.250	0.850	24.225		
			1.000	32.000	0.130	0.850	3.536		
			1.000	32.000	0.600	0.300	5.760		
			1.000	32.000	0.300	0.300	2.880		
	Processing Unit								
			1.000	65.000	0.250	0.700	11.375		
							47.776		
	Main Unit								
	Deduct		35.000	0.250	0.250	0.850	-1.859		

			5.000	0.250	0.250	0.850	-0.266		
	Processing Unit								
	Deduct		22.000	0.250	0.250	0.700	-0.963		
							<b>44.689</b>		
	b) Brick work 112 mm in cement mortar 1:4 with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed and specified in superstructure upto 1st floor level.	Sqr. Mtr.							
	Main Unit		2.000	32.000		3.650	233.600		
			5.000	9.000		3.650	164.250		
			2.000	10.000		1.000	20.000		
	Toilet		2.000	2.500		3.650	18.250		
			2.000	1.500		3.650	10.950		
	Deduct								
	Door		2.000	2.100		1.000	-4.200		
			2.000	2.100		2.000	-8.400		
	Window		12.000	1.300		0.900	-14.040		
	Ventilator		23.000	0.500		0.900	-10.350		
	Processing Unit								
			1.000	65.000		0.900	58.500		
							<b>468.560</b>		
Item No. 8	Earth/Sand (predominantly non plastic) filling in plinth in layers not more than 150 mm thick including necessary carriage, loading, unloading, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, loading and unloading etc.	Cub. Mtr.							
			1.000	32.000	10.000	1.000	320.000		
			1.000	17.500	10.000	0.600	105.000		
							<b>425.000</b>		
Item No. 9	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths interlocked together through their entire length and jointed together at the ends by end-locks, mounted on specially designed pipe shaft with bracket plates, guide channels and arrangement.....etc.	Sq. Mtr.	2.000	2.000	2.120		8.480		
Item No. 10	a) 65 mm cement concrete floor consisting of 50 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15mm Thick wearing layer in cement concrete in prop. 1:1:2 (1 cement: 1 Coarse sand : 2 coarse aggregate of size 10mm down) laid in panels and finished with a floating coat of neat cement finish (using cement slurry for bond @ 2.75 kg per square metre of floor area) including curing etc. complete as directed	Sq. Mtr.	1.000	32.000	10.000		<b>320.000</b>		
	b) 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1 cement : 3 coarse sand : 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1 cement : 1 coarse sand : 2 coarse aggregate of 10 mm and down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed.	Sq. Mtr.	1.000	17.500	10.000		<b>175.000</b>		
Item No. 11	Providing antiskid tiles of approved quality not less than 8mm thick over 15mm thick 1:3 cement mortar. Normal size 300mm x300mm	Sq. Mtr.					<b>6.250</b>		
Item No. 12	15 mm thick cement plaster in single coat in both side of single or half brick wall for interior plastering up to 1st floor level including arises, interior rounded angles, not excluding 80mm girth and finished even and smooth including curing complete as directed in cement mortar 1:4	Sq. Mtr.							
	Wall area		2.000	120.000		3.650	876.000		
			2.000	10.000		0.900	18.000		
			1.000	32.000		0.900	28.800		
			2.000	32.000		0.300	19.200		
			2.000	32.000		0.150	9.600		
	<b>Deduction</b>								
	Door		3.000	2.100	1.000		-6.300		
			2.000	1.300	0.900		-2.340		
	Window		12.000	1.500	1.800		-32.400		
	Ventilator		23.000	0.500	0.900		-10.350		
							<b>900.210</b>		
Item No. 13	a) Providing Pre painted Galvanized Iron Sheet (GI) roofing 0.50 mm with all accessories (Ridges/ Valley/ Gutter/ Flashing) at all levels including fitting and fixing self drilling, self tapping screws complete as directed by the Department. Make: TATA Blue scope/Dyna Roof/ Durakolor/Wonder Roof.	Sq. Mtr.	2.000	33.000	6.100		<b>402.600</b>		
	b) (i) Providing corrugated Galvanized Iron Sheet (GI) roofing 0.60 mm including fitting and fixing necessary J & L hooks, bolts and nut 8mm dia with bitumen washer 25mm x 3mm thick and 1.6 mm thick limpet washer excluding cost of roof truss, purlin etc. complete as directed by the Department. Make: TATA SHAKTEE/SAIL.	Sq. Mtr.	1.000	18.400	6.100		<b>112.240</b>		
	b) (ii) Providing galvanized iron ridging of TATA SHAKTEE/SAIL including supplying and fixing necessary galvanized screws/ washers etc complete as directed 0.6 mm thick and 230 mm lapping	RM					<b>18.400</b>		
Item No. 14	Providing fitting and fixing of wood work in frame (chowkaths) of 1st class wood for doors with C.C. or brick masonry wall including supplying, fitting and fixing of M.S. hold fast (40mm x3mmx250mm) as per design embedded in cement concrete block in proportion. (Bonsum/Sundi)	Cub. Mtr.	6.000	5.200	0.100	0.080	<b>0.250</b>		
Item No. 15	Providing fitting & Fixing full panelled door including oxidised M.S. butt hinges (100mm x 75mm x3.55 mm) with necessary screw with 1st class local wood (Gamari/Hollok/Bonsum), 35 mm thick.	Sq. Mtr.	6.000	2.100	1.000		<b>12.600</b>		
Item No. 16	Providing fixing and fitting anodised aluminium sliding windows and ventilators of standard sections of approved brand without horizontal glazing bars, joints mitred and welded (manufactured to relevant IS specifications). 2 track sliding window and 6 mm clear glass.	Sq. Mtr.							
	Window		12.000	1.300		0.900	14.040		

	Ventilator		23.000	0.500		0.900	10.350		
							<b>24.390</b>		
Item No. 17	Providing and Fixing MS grill of required pattern for windows /openings with MS flats at required spacing in frame all round, square or round MS bars with round headed bolts and nuts or screws.	Kgs.	24.490			13.000	<b>318.370</b>		
Item No. 18	Applying one coat of primer for distemper of approved make after thoroughly brushing and cleaning wall surface and applying dry distemper two coat in new wall. Make: Asian Paint/Berger Paint/Nerolac	Sq. Mtr.	450.000				<b>450.000</b>		
Item No. 19	Applying one coat of primer for cement paint of approved make after thoroughly brushing and cleaning wall surface and applying cement paint two coat in new wall. Make: Asian Paint/Berger Paint/Nerolac	Sq. Mtr.	450.000				<b>450.000</b>		
Item No. 20	Providing fitting, hoisting and fixing of roof truss e s including purlins fabricated using MS circular hollow section conforming to relevant I.S.code, as per approved design and drawings including providing M.S.cleats, base plates, bolt sand nut sand one coat of red oxide Zinc Chromate primer and two coats of approved enamel paints complete including fitting necessary cleats etc. for fixing ceiling joists as per design and drawing as directed. TATA make circular hollow sections of 60.3 mm and 48.3 mm diameter. CHS of Grade YST-310 conforming to I.S. Specification 1161-1998	Kgs.							
	Main Building		290.800			4.080	1186.464		
			505.200			3.230	1631.796		
	Processing Unit								
			217.600			4.080	887.808		
			396.000			3.230	1279.080		
	Fabrication Loss @5%						249.257		
							<b>5234.405</b>		
Item No. 21	Supplying, fitting, fixing and painting where necessary(one coat primer and two coats of paint) M/F suspended ceiling which includes G.I. perimeter channels of size0.55 mm thick (having one flange of 20 mm and another flange of 30 and web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/partition with the help of nylon sleeves and screws, at 610 mm c/c. Then suspending G.I. intermediate channels of size 45mm(0.9 mm thick with two equal flanges of 15mm each) from the soffit at 1220mm c/c with ceiling angle of width 25mm x 10mm x 0.55mm thick fixed to soffit with G.I cleat and steel expansion fasteners. size 9.5mm Thick	Sq. Mtr.	1.000	32.000	10.000		<b>320.000</b>		
Item No. 22	Supplying, fitting and fixing in position reinforcement bars conforming to relevant IS code R.C.C. works/ R.B. walling including straight clearing, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs spacers etc. Make: TATA/SAIL/JINDAL STEEL	Kgs.							
	Super Ductile (SD) TMT reinforcement Bars								
	8 mm dia @150 c/c jali		490.000	0.900		0.395	174.195		
	12 mm dia 4 nos for column		140.000	5.500		0.889	684.445		
	12 mm dia 4 nos for column		20.000	4.700		0.889	83.556		
	12 mm dia 4 nos for Tie Beam		4.000	114.000		0.889	405.334		
	10 mm 4 nos for lintel beam		4.000	114.000		0.617	281.352		
	10 mm 4 nos for lintel beam		4.000	88.400		0.617	218.171		
	8 mm dia for Chajja		16	50.000		0.395	316.000		
			333	0.800		0.395	105.228		
	Processing Unit		22	4.000	5.200	0.889	406.806		
							<b>2675.087</b>		
	M. S. Rod/bar								
	6 mm tie in column @ 150c/c		35.000	37.000	0.800	0.220	227.920		
	6 mm tie in column @ 150c/c		5.000	31.000	0.600	0.220	20.460		
	6 mm dia stirrup for Tie Beam @ 150c/c		1.000	760.000	0.900	0.220	150.480		
	6 mm dia stirrup for Lintel Beam @ 150c/c		1.000	760.000	0.600	0.220	100.320		
	6 mm dia stirrup for Lintel Beam @ 150c/c		1.000	590.000	0.600	0.220	77.880		
	Processing Unit 6 mm tie in column @ 150c/c		22.000	37.000	0.800	0.220	143.264		
							<b>720.324</b>		
Item No. 23	Providing and fixing clear sheet glass beded in putty and fixed with/without wooden bidding including necessary cutting and glass to be of required size. Area of glass panes exceeding 0.15 sq. mtr. But not exceeding 0.52 sq. mtr. Thickness of Glass 3mm	Sq. Mtr.	22.390				<b>22.390</b>		
Item No. 24	Painting two coats (excluding primer coat) on new wood and wood based surface with enamel paint of approved make	Sq. Mtr.	2.000				<b>2.000</b>		
Item No. 25	Providing tarza wall including fitting and fixing with wooden batton etc. complete as directed	Sq. Mtr.					<b>170.000</b>		
	<b>Water Supply and Sanitary</b>								
SL NO.	Item Description	Unit	No	Length	Breath	Height	Quantity	Rate	Amount
Item No. I	Providing fitting and fixing of vitreous china squatting pan (Indian Type) with PVC flushing cistern (white Delux Single Flush) with all accessories and internal fittings like float valve, PVC pipe, CI clamp etc. Make: Hindware/ Parryware	Set	2.000				2.000		
Item No. II	Providing fixing and fitting white vitreous china wash basin with CI bracket (Length 45-50 cm width 30-38 cm) Make: Hindware/Parryware	Set	1.000				1.000		
Item No. III	Supplying fitting and fixing 110 mm diameter PVC pipe of pressure rating 6Kg/sqr. cm in exposed surface or in trances. Make: Supreme/Finolex/Astral	RM	20.000				20.000		
Item No. IV	Supplying and placing ferrocement septic tank of regular shape into pit with manhole cover with cleaning arrangement over single brick flat soiling and 75 mm 1:3:6 PCC, Baffle wall, inlet and outlet etc are provided at suitable points complete as directed	No	1.000				1.000		

Item No. V	Providing, fitting and fixing PVC door frame of Duroplast make DPF-5060 suitable for DPS-3720 made from extruded PVC multichamber hollow section having cross sectional dimension of 50mm x 60 mm, Horizontal and Vertical sections shall be joined by steel screws after inserting MS tubular rectangular galvanised hollow bars.	RM	9.900				9.900		
Item No. VI	Providing, fitting and fixing PVC Door shutters of 37mm (single pannel seamless finish) of syntex make, at all levels made of extruded sections in the configuration of Item No.V. The overall dimation is 37mm x 750 mm x 2100 mm, with usual process variation having a wall thickness of 2 mm with variation of +0.03mm provided with all plastic.	Sq. Mtr	2.000	2.100	0.750		3.150		
Item No. VII	Supplying fitting and fixing of Schedule 40, UPVC pipe and required pipe fittings like Reducer, Tee etc. for water line. Make: Supreme/Finolex/Astral								
	a) 1/2" (15 NB)	RM	10.000				10.000		
Item No. VIII	Supplying fixing and fitting CP bib Cock 15 MM. Make:ESSCO/Hindware/Parryware	No	4.000				4.000		
Item No. IX	Providing external and internal water supply with Tube well and neccessary piping and fittings with motor complete as directed	LS							
Item No. X	Supplying and placing plastic cylindrical vertical closed PVC tank 1000 Litre capacity with required stand. Make: Syntex	Each	1.000				1.000		
Item No. XI	External and Internal electrification mentioning the number of Light, Fan and Socket points for 230V supply.	LS							