

**BOQ for Repairing and maintenance of existing community hall situated at
Aharguttu**

Part "A"			NIT No.:-CSR/CIV/BND-53			
Sl. No.	Description of Items	Qty	Units	Rates Rs. Ps.		Amounts RS. PS
1	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil A) All kinds of soil.	100	M ³			
	(Rate in Words)					
	B) Ordinary rock	5	M ³			
	(Rate in Words)					
2	Filling available excavated earth (excavated rock) in trenches , plinth, sides of foundations etc.in layers not exceeding 20cm in depth consolidation each deposited layer by ramming and watering, lead up to 50m and lift up to 1.5 m.	20	M ³			
	(Rate in Words)					
3	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared.	1000	M ²			
	(Rate in Words)					
4	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level 1:3:6 (1 Cement : 3 fine sand : 6 graded stone aggregate 20 mm nominal size)	10	M ³			
	(Rate in Words)					
5	Reinforced cement concrete work in floor , roof slab,beam walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc and all types of works upto floor five level excluding cost of centring, shuttering 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	10	M ³			
	(Rate in Words)					
6	Centering shuttering including removal of form work for all types of work. for providing and fixing straight shuttering a) Foundation, footings, bases of columns etc.	100	M ²			
	(Rate in Words)					
7	Centering shuttering including removal of form work for all types of work. for providing and fixing straight shuttering b) suspended floors, roofs, landings, balconies, shelves etc.	100	M ²			

	(Rate in Words)				
8	Providing, hosting & fixing up to floor five level precast reinforced cement, concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	2	Cum		
	(Rate in Words)				
9	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete . Hot rolled deformed bars/ TMT bars.	1000	Kg		
	(Rate in Words)				
10	Plaster drip course / groove in plastered surface or moulding to R.C.C projections. Size 1/2" x 1/2"	100	Meter		
	(Rate in Words)				
11	Brick work with F.P.S. brick of class designation 75 in foundation and plinth in cement moral 1:6 (1 cement : 6 coarse sand.) for all types of works.	20	Cum		
	(Rate in Words)				
12	Providing and fixing ISI marked oxidised M.S sliding door bolts with nuts and screws etc Complete. 300 x 16 mm .	4	Each		
	(Rate in Words)				
13	Providing and fixing ISI marked oxidised M.S tower bolt black finish (Barrel type) with necessary screws etc complete. 250 x 10 mm.	8	Each		
	(Rate in Words)				
14	Providing and fixing ISI marked oxidised M.S handles conforming to IS : 4992 with necessary screws etc completed . 125 mm.	8	Each		
	(Rate in Words)				
15	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	21	Each		
	(Rate in Words)				
16	Providing and fixing bright finished brass casement stays (Straight peg type)with necessary screws etc.Completed.300 mm weighing not less than 330 gms.	21	Each		
	(Rate in Words)				
17	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and pproved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels and conforming to IS: 14856 - 2000 including fixing to frames.	2	Sqm		
	(Rate in Words)				
18	Structural steel work riveted,bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	500	Kg		

	(Rate in Words)				
19	Providing and fixing 1mm thick M.S.sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete including applying a priming coat of approved steel primer.using M.S. angels 40x40x6mm for diagonal braces.	5	Sqm		
	(Rate in Words)				
20	Provide and fixing factory made ISI marked steel glazed doors, windows and ventilators side/top/centre hung with beading and all members such as K11 B and K12 B etc. Completed of standerd rolled steel sections , Joints mitred and flash butt welded ans sash bars tenoned and rivited with 15 x 3mm lugs, 10cm long embedded in cement concrete blocks 15x 10x10 cm of 1 : 3: 6 (1 cement :3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing crips or with bolts and nuts as required including provoding and fixing of hinges pivots , float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design and as per the direction of Engineer-In -Charge.	500	Kg		
	(Rate in Words)				
21	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 colour shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting risers of steps and dados over 12mm thick bed of cement mortar 1:3 @ 3.3kg per sqm including pointing in white white cement mixed with pigment of matchine shade complete.	20	Sqm		
	(Rate in Words)				
22	Providing and laying rectified glazed ceramic floor tiles 500 X 500 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours white ,ivory, grey, fume red brown , laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigement etc.complete.	135	Sqm		
	(Rate in Words)				
23	Cement plaster skirting (up to 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand)finished with a floating coat of neat cement 18mm thick.	2	Sqm		
	(Rate in Words)				

24	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate finished with a floating coat of next cement including cement slurry but excluding the cost of nosing of steps etc.complete. 40mm thick with 2mm nominal size stone aggregate.	5	Sqm		
	(Rate in Words)				
25	Supply and installation of precoated galvanised iron profile sheets (size shape and pitch of corrugation as approved by Engineer-In-Charge) .05 mm +/- 5% total coated thickness (TCT) thick Zinc coating 120 gsm as per is :277 in 240 mps steel grade 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron sheet should have protective guard film of 25 micron minimum to avoid scratches while transportation and should be supplied in single length up to 12 metre or as desired by Engineer-In- Charge.The sheet shall be fixed using self drilling/ self tapping screws of size (5.5 x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I.limpet washers or with G.I.limpet washers filled with white lead complete upto any pitch in horizontal/vertical or curved surface excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. a) corrugated sheet up to 60 pitch.	100	Sqm		
	(Rate in Words)				
26	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50mm +/- 5% total coated thickness (TCT) thick zinc coating 120 gsm as per IS :277 in 240 mpa steel grade,5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/self tapping screws or with polymer coated J or L hooks bolt and nuts and or G.I. seam bolts and nuts , G.I.plain and bitumen washers complete. Ridges plain (500-600mm)	15	RM		
	(Rate in Words)				
27	Providing and fixing false ceiling tiles of size 595 X 595 X 12 mm thick with frame work painting all complete.	75	Sqm		
	(Rate in Words)				
28	Providing and fixing on wall face 110 mm diameter PVC rain water pipe conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382	25	RM		
	(Rate in Words)				
29	Repairs to plaster by cutting removing and remaking out the joints and preparing and plastering the surface of wall complete including disposal of rubbish with 15 mm thick cement plaster 1:6 (1 cement : 6 sand).	550	Sqm		
	(Rate in Words)				
30	6 mm cement plaster to ceiling of mix 1:3 (1 cement : 3 fine sand).	50	Sqm		

	(Rate in Words)				
31	Net cement punning	60	Sqm		
	(Rate in Words)				
32	White wshing with lime to give an even shade on new work (Three or more coats).	200	M ²		
	(Rate in Words)				
33	Finishing walls with textured exterior paint make barger (7 yrs) weather coat or required shade. On New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including base coat of water proofing cement paint applied @ 2.20 Kg/10Sqm.	270	M ²		
	(Rate in Words)				
34	Painting with 1st quality synthetic enamel paint make Asian/ barger or of approved brand and manufacture of required colour to give an even shade. Two or more coate on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	25	M ²		
	(Rate in Words)				
35	Making plinth protection 50mm thick of cement concrete 1:3: (1 cement :3 coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	35	M ²		
	(Rate in Words)				
36	Providing and fixing water closet squatting pan (lnding type W.C. pan) with 100mm sand cast iron P or S trap , 10 liter 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 580 x 440mm with integral type foot rests.	1	Each		
	(Rate in Words)				
37	Providing and fixing white vitreous china flat back or wall corner type lipped fronr urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P.brass spreaders with brass unions and G.I clamps complete including painting of fittings and brackets cutting and making good the walls and floors wherever required.One urinal basin with 5 liter white P.V.C.automatic flushing cistern.	1	Each		
	(Rate in Words)				
37	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. 10 liter capacity- White.	1	Each		
	(Rate in Words)				

38	Providing and fixing wash basin with C.I. brackets, 15 mm 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. White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap.	1	Each		
	(Rate in Words)				
39	Providing and fixing 100 mm sand cast Iron grating for gully trap.	2	Each		
	(Rate in Words)				
40	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 6mm thick hard board backing .Rectangular shape 453x357mm.	1	Each		
	(Rate in Words)				
41	Provide and fixing PVC soil pipe 100 mm dia.	20	RM		
	(Rate in Words)				
42	Providing and fixing 1/2" brass ISI marked bib cock & stop cock (ISI)	2	Each		
	(Rate in Words)				
43	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. (internal work) 15mm dia. nominal bore	20	RM		
	(Rate in Words)				
44	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 20mm dia. nominal bore .	10	RM		
	(Rate in Words)				
45	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 25mm dia. nominal bore.	10	RM		
	(Rate in Words)				
46	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 40mm dia. nominal bore.	10	RM		
	(Rate in Words)				
47	15 mm Ø P.V.C connector	2	each		
	(Rate in Words)				
48	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. In cement mortar.	10	M ³		
	(Rate in Words)				
49	Providing and fixing ball valve (brass) 15 mm nominal bore of approved quality, High or low pressure, with PVC float.	1	Each		
	(Rate in Words)				
50	Providing and placing PVC water storage tank 500 liter capacity as per instruction of engineer in charge.	1	Each		

	(Rate in Words)				
51	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and S.W.drain pipe 100 mm diameter , 1.8 m long complete as per standard design with F.P.S.bricks.	1	Each		
	(Rate in Words)				
52	providing and fixing Shankar septic tank 30"+24" dia as per instruction og Engineer in charge.	1	Each		
	(Rate in Words)				
	Total Part "A"				
	PART "B"				
Sl. No.	Description of items	Qty	Units	Rates Rs. Ps.	Amounts RS. PS
1	<p>Supply & installation of distribution board. This should be 14 SWG sheet steel totally enclosed dust and vermin proof wall mounting type having bottom entry from incoming cable and top exits for O/G cables / PVC conduit with ample cabling space, adopter cable box for easy entry of armoured cable of size 2/3 C X 10/16 sqmm. The board shall be degreased , derusted coated with high losture of zinc chromatic primer & finished with stove enameled paint. The board shall be complete with all accessories, danger notice plate, cable gland plate, terminals for outgoing connections earthing terminals heavy duty brass neutral & earth bar, 63 A capacity. The DB should be provided with neoprene rubber gasket & hinged door with suitable cutout for MCBS.</p> <p>The DB should consist of following:-</p> <p>1) DP witch 240V 32 A Make –Havells / Standard /L&T/HPL-01 No as I/C with backup HRC fuses, 32A & DP MCB, 20A (Havells/ Hager/ Standard).</p> <p>2) Outgoings :-</p> <p>3) SP MCB, 220V, 6/10 A.Make-Havells / standard/ L&T = 8 Nos.</p>	2	Nos		
	(Rate in Words)				
2	<p>Supply & installation of 48" sweep, 220v brown coloured single phase dauble ball bearing ceiling fan complete with down rod, canopy, clamp etc. including all necessary hardwares as required. Making –USHA, Model-Usha swift.</p> <p>This also includes supply & connection of ceiling fan by flexible 2C x 2.5 Sqmm 'Cu' wire from ceiling rose. This also includes civil works involved in supply and grouting of hook without extra cost.</p>	9	Nos		
	(Rate in Words)				

3	Point wiring through heavy duty PVC conduit with 2 x 2.5 Sqmm PVC insulated flexible , stranded 'Al' conductor wire of 1.1 Kv grade along with 1.5 Sqmm PVC insulated 1.1 KV grade green colour 'Al' earth wire. The point wire includes supply & fixing the heavy duty PVC conduit, 5A "Anchor make" switch , socket, ceiling rose, required switchboards, round block , JBS cable , wires, Buid holder, bulb and other fixing materials etc. Each point shall be considered for a average length of 10 Mtrs. Making of wire/ cable-Rajnigandha/Havells. The quality of PVC conduit & others wiring materials require prior approval of Engineer in charge /Engineer's representative.	25	Nos		
	(Rate in Words)				
4	Supply and laying of 2 x 1C x 4 sqmm PVC insulated and sheathed 'Al' conductor + 1C x 1.5 sqmm 'Al' flexible wire for earthing through heavy duty (3mm thick) 32 mm dia PVC conduit this also includes supply of PVC conduit and other reqd. materials.	100	Nos		
	(Rate in Words)				
5	Preparation of earth pit with supply of all materials including 3mtr long, 3.64 mm thick perforated GI tube with salt in alternate layer of charcoal. Brick chamber at the top with chequered plate (6 mm) thick as per IS-3043 with latest amendments.	2	Nos		
	(Rate in Words)				
6	Supply and laying of GI wire (8/10 SWG) and its connection to distribution boards and interconnection of earthpits. This includes supply and fixing of all accessories i.e, clamps etc.	70	Nos		
	(Rate in Words)				
7	Installation of tube light fitting, cat no T5SFE228EB	4	Nos		
	(Rate in Words)				
8	Installation of tube light fitting, cat no T5RSF228EB	10	Nos		
	(Rate in Words)				
	Total Part "B"				
	<div>Total Part (A+B)</div> <div>Rebate if any</div> <div>Grand Total</div> <div>(Total in words)</div>				
Note:-					
1	Rates of all items must be written in figures and words without which tender are laible to be rejected.				
2	All the pages of tender documents must be duly signed by tenderer along with their seal.				
3	Over all rebate, if any must be quoted in the above column only.				
4	tenderr are advice to quate their rates as per N.I.T. conditions.				
5	The quoted rate should be inclusive of all Taxes and Duties.				
Signature of tender with seal					