

BID DOCUMENT
PART-B
(FINANCIAL BID)

NIT No.01 /DTE(UD&PA)/Tech(NULM)/2024-2025 : Dated Aizawl, the 13th September, 2024

**NAME OF WORK : CONSTRUCTION OF PATIENT'S ATTENDANT
SHELTER AT SAITUAL**

ISSUED TO : _____

GROUP NO : 1 (ONE)

DIRECTORATE OF URBAN DEVELOPMENT & POVERTY ALLEVIATION DEPARTMENT
GOVERNMENT OF MIZORAM
MIZORAM: AIZAWL

BILLS OF QUANTITIES FOR CONSTRUCTION OF PATIENT'S ATTENDANT SHELTER AT SAITUAL

NIT NO. 01/DTE(UD&PA)/Tech(NULM)/2024-2025 Dated the 13th Sept, 2024

Tender Amount: Rs 45,33,157.00

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	A. CIVIL WORKS					
1	Earthwork in excavation over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.					
	Ordinary and Hard Soil	264.32	Cum			
2	Earthwork in excavation in foundation trenches or drains etc. (not exceeding 1.5m in width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m including getting out excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.					
	Ordinary Soil	20.28	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
3	Providing and laying in position cement concrete of specified grade excluding cost of centering and shuttering - All work upto plinth level:					
	1.03.06	3.54	Cum			
4	Reinforced cement concrete work in walls including attached pillasters, columns, pillars, posts, piers, abutments, return walls, retaining walls, struts, buttresses, string or lacing courses, fillets etc. upto floor five level excluding cost of centering shuttering etc complete.					
	1:1.5:3	9.45	Cum			
5	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement complete.					
	1:1.5:3	74.89	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
6	Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete.					
	(b) Thermo-Mechanically Treated bars of grade Fe-500 or more.					
		2882.60	Kgs			
7	Centering and shuttering including strutting, propping etc. and removal of form for all heights					
	(a) Foundations, footings, bases of columns etc. for mass concrete.					
		26.12	Sqm			
	(c) Columns, pillars, piers, abutments, posts and struts.					
		42.00	Sqm			
	(d) Lintels, beams, plinth beams, girders, bressumers and cantilevers, etc.					
		56.32	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(e) Suspended floors, roofs, landings, shelves and their support, balconies and chajjaj,etc.					
		24.62	Sqm			
	(g) Spiral staircases including landings, shelves, girders, bressumers and cantilivers, etc					
		5.88	Sqm			
8	Half brick masonry with first class brick in superstructure above plinth level upto floor V level.					
	(a)in cement moratar 1:3 (1 cement : 3 coarse sand)					
		149.73	Sqm			
9	12mm cement plaster 1 : 3 (1 cement : 3 fine sand).					
		531.99	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
10	15mm cement plaster 1 : 4 (1 cement : 4 fine sand) finished with a floating coat of neat cement.					
		531.99	Sqm			
11	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.					
		32.19	Kgs			
12	Providing 1st class local wood dressed in frames of chaukat for doors, windows, clerestory windows fixed in position.					
		3.07	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
13	Providing and fixing 1st class local wood panelled and glazed shutters using 4mm thick plate sheet glass for doors and windows etc. including M.S. butt hinges with necessary screws, etc. complete.					
	(c) 30mm Thick	26.19	Cum			
14	Providing and fixing 1st class teak wood panelled shutters for doors etc. including M.S. butt hinges with necessary screws, etc. complete.					
	(c) 30mm Thick	18.48	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
15	Factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness.....The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter) (Sintex, Plasopan or equivalent).					
		30.24	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
16	Applying priming coat with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) & Plywood.					
		123.24	Sqm			
17	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. New work (two or more coats).					
		531.99	Sqm			
18	Wall painting with interior emulsion paint of approved brand and manufacture on new work (two or more coats) to give an even shade.					
	(a) Regular interior emulsion like Rangoli deluxe emulsion etc.					
		531.99	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
19	Coursed masonry with rectangular sized hard stone in foundation upto one storey above and below ground level including curing, etc. complete.					
	(b) in cement mortar 1 : 4 (1cement : 4 fine sand)					
		17.64	Cum			
20	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.					
		80.00	Cum			
21	Providing and filling stone aggregates of size below 90mm in plinth, etc. in layers not exceeding 10 cms in depth, consolidating each layer by ramming and watering and dressing complete .					
		11.70	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
22	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm uPVC 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:					
	Asian pan with integral type foot rests					
	White	3	Nos			
23	Providing and fixing Health faucet with flexible tube upto 1 metre long and holder of quality and make as approved by Engineer - in - charge..					
		3	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
24	Providing and fixing White vitreous china wash basin Standard of Parryware/ Hindware/ Cera and equivalent make with R.S. or C.I. brackets, 15mm C.P. brass pillar taps, C.P. brass chain with rubber plugs, 32mm C.P. brass waste of standard pattern, 32mm C.P. brass traps and union complete including painting of fittings and brackets, cutting and making good the walls wherever required.					
	(a) Vitreous China Wash basin size 630x450 mm with single 15 mm C.P. brass pillar taps					
	(i) White	3	Nos			
25	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.					
		3	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
26	Providing and fixing on wall face SWRPVC soil, waste and vent pipes including jointing with rubber lubricant/cement solvent complete.					
	(a)110mm dia.	12.00	Rm			
27	Providing and fixing SWRPVC plain bend of required degree (87.50°) including jointing with rubber lubricant/cement solvent complete.					
	(a) 110mm dia.	5	Nos			
28	Providing and fixing SWRPVC plain bend of required degree (45°) including jointing with rubber lubricant/cement solvent complete.					
	(a) 110mm dia.	5	Nos			
29	Providing and fixing SWRPVC bend with access door of required degree including jointing with rubber lubricant/cement solvent complete.					
	(a) 110mm dia SWRPVC bend with access door.					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
		5	Nos			
30	Providing and fixing single equal SWRPVC plain junction of required degree (T-junction) .					
	(a) 110x110x110mm.					
		5	Nos			
31	Providing and fixing SWRPVC socket including jointing with rubber lubricant/cement solvent.					
	(a) 110mm dia socket.					
		8	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
32	Providing and fixing 125/110 S-trap SWRPVC including joining with rubber lubricant/ solvent cement.					
		4	Nos			
33	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, 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.					
	(a) Sintex or equivalent	12000	Litre			
34	Providing and fixing G.I. pipes complete with G.I. fitting and clamps, including cutting and making good the walls etc. (internal works-exposed on wall).					
	(c)32mm dia nominal bore	35.00	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
35	Providing and fixing G.I. pipe complete with G.I. fitting including trenching and refilling etc. (external work).					
	(d)32mm dia nominal bore.	35.00	Rm			
36	Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid seperately).					
		2	Nos			
37	Making connection of G.I. distribution branch with G.I. main 25mm to 40mm nominal bore by providing and fixing Tee including cutting and threading the pipe etc. complete.					
		4	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
38	Providing and fixing brass bib cock of approved quality.					
	(c)25mm nominal bore	12	Nos			
39	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)					
	(c) 25 mm nominal bore	4	Nos			
40	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) .					
	(c) 25 mm nominal bore	30	Nos			
41	Painting G.I pipes and fittings with white paint over ready mixed priming coat, both of approved quality.					
	(d) 32mm dia pipe	15	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
42	Painting G.I pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality.					
	(d) 32mm dia pipe	40.00	Rm			
43	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 Engineer in Charge. Internal work - Exposed on wall					
	32mm dia nominal bore	50.00	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
44	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. External work					
		40.00	Rm			
45	Making connection of CPVC pipes distribution branch by providing and fixing equal Tee with jointing, testing complete including cutting and making good etc.					
	32mm dia nominal bore.	12	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
46	Making connection of Astral CPVC pipes distribution branch by providing and fixing Cross Tee with jointing, testing complete including cutting and making good etc.					
	20x15x20mm	12	Nos			
47	Making connection of Astral CPVC pipes distribution branch by providing and fixing Elbow 90o with jointing, testing complete including cutting and making good etc.					
	32mm dia.	12	Nos			
48	Making connection of Astral CPVC pipes distribution branch by providing and fixing Elbow 45o with jointing, testing complete including cutting and making good etc.					
	32mm dia.	12	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
49	Making connection of Astral CPVC pipes distribution branch by providing and fixing Brass Elbow 90o with jointing, testing complete including cutting and making good etc.					
	20x15mm dia.	12	Nos			
50	Making connection of Astral CPVC pipes distribution branch by providing and fixing Male Adaptor (P) with jointing, testing complete including cutting and making good etc.					
	32mm dia.	12	Nos			
51	Providing and placing in position electric water pump of approved manufacture including connections to G.I pipes etc. complete with accessories.					
	750 watts	1	Nos			
	TOTAL A:					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	B. ELECTRICAL WORKS					
	LIGHTING AND POWER WIRINGS					
52	Light points, ceiling fan points, exhaust fan point etc. (GRADE - III) Modular					
	Wiring in looping system with PVC wire sheathed standard copper conductor/wires as per IS:694(1990) and Flame retardant (FR) 1100 voltage graded copper flexible wire stranded copper 1.5 sq.mm running inside PVC casing & capping (Gr-II) 20mm dia fixed, surface on the wall/ceiling/floor as per convenience including junction box having required numbers of ways from control switched to the light point etc as per required:-					
	1.TO LIGHT POINT					
	(B) Short point (Modular)	8	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(C) Medium point (Modular)	10	Nos			
	(D) Long point (Modular)	9	Nos			
	2.TO CEILING/WALL FAN POINT					
	(B) Short point (Modular)	8	Nos			
53	LIGHT PLUG/SOCKET POINT 5/6 AMPS (MODULAR TYPE)					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	Wiring in looping system with PVC wire sheathed standard copper conductor/wires as per IS:694(1990) and flame retardant (FR) 1100 voltage graded copper flexible wire stranded copper 2.5 Sq.mm running inside PVC casing &capping (Gr-II) 20x12mm fixed, surface on the wall/ceiling/floor as per convenience including junction box having required number of ways from DB to the light plug/socket 5/6A point etc. as required:-					
	(C) Medium point (Modular)	14	Nos			
54	POWER SOCKET/PLUG POINT 15/16A (MODULAR TYPE)					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	Wiring in looping system with PVC wire sheathed standard copper conductors/wires as per IS:694(1990) and Flame retardant (F) 1100 voltage graded copper flexible wire stranded copper 4.0 Sq.mm running inside PVC casing & capping (Gr-II) 30x12mm fixed,surface on th wall/ceiling/floor as per convenience including junction box having required number of ways from DB to the power plug/socket 15/16A point etc as required:-					
	(C) Medium point (Modular)	12	Nos			
55	MAIN TO SUB-MAIN WIRING GRADE III SURFACE(SINGLE PHASE TWO WIRE)					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	Wiring in looping system with PVC wire sheathed standard copper conductor/wires as per IS:694(1990) and flame retardant (FR) 1100 voltage graded copper flexible wire stranded copper of different sizes as mentioned below running inside PVC Casing & capping (Grade-II) of all available sizes diameter fixed, surface on the wall/ceiling floor as per convenience including junction box having required numbers of ways from Main to sub-main/DB/Sub-Main/DB to SDB/Switch Boards/SDB to switch boards as required:-					
	(B) 2x4 Sq.mm Copper Conductor+1x2.5 Sq.mm earth wire	12.973	Rm			
	(C) 2x6 Sq.mm Copper Conductor+1x6 Sq.mm earth wire	10.00	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	LIGHTING FIXTURES AND FANS					
56	Ceiling fan 1200mm sweeps ISI marked 3 blades					
		3	Nos			
57	Bracket Wall Mounting Fan 400mm Sweep Area					
		2	Nos			
58	Installation,testing&commissioning of ceiling fan and regulator, including wiring down the rod of standard length (upto 30cm) with 2X1.5 Sq.mm PVC insulated copper conductor single core cable etc, as required.					
		5	Nos			
59	Exhaust Fan 150mm sweeps ISI marked.(Usha/Havells/Polar/Grompton/Baja j)					
		3	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
60	Installation of Exhaust Fan up-to 450 mm Sweeps in the existing opening, including making holes to suit the size of the above Exhaust fan, and making good the damages, connection, testing and commissioning etc, as required.					
		3	Nos			
61	Gate Light Moon 150 (Prismatic) 1x8WCFL Retro (TU) B22 mounting pole dia. Up to 60m maximum made of high grade unbreakable Polycarbonate materials (Havells/Philips/Grompton/Bajaj)					
		3	Nos			
62	LED Batten fitting 1X18W	3	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
63	Adore LED 7W B22/E14 Base	3	Nos			
64	Downlighter 12W LED 6K ENDURA DL Surphase mounted LED downlighter in power coated white finish with integrated HF electronic driver. (Havells/Philips/Grompton/Bajaj/SYSKA)					
		18	Nos			
65	Installation, testing & Commissioning of pre-wired fluorescent Light/LED fittings of all types, with all accessories and tubes etc, directly on ceiling/wall, including connection with 1.5 Sqmm copper conductor single core cable etc as required.					
		23	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	EARTHING AND LOOP EARTHING					
66	Advance maintenance free chemical earthing Copper 2000x80mm with 1 bag back filing compound for all type of transformer PLC Machineris, Lighning conductors, multistoreyed building, industries, lift, generator etc					
		1	Set			
67	Extra for using Back filling compound I for G.I. Or copper Maintennance free electrode as required SBE back Filling Compound.					
		1	Set			
68	Providing and fixing of 8 SWG Copper wire or in reeces for lopp earthing alongwith the existing surface/recess conduit PVC casing and capping etc. As required.					
		25	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	MAIN DISTRIBUTION, SWITCH BOARDS ETC.					
69	MCB DISTRIBUTION BOARD (DB)					
	Supplying and fixing of different ways MCB Distribution board (DB) double door, SP&N, TP&N in sheet steel phosphatised powder painted MCB DB Bus Bar Neutral link, Earth Bar and Din rail conforms to IS:13032, IS:8623, BS:5486 240/415 volts 50Hz. AC supply on surface including interconnection, painting etc, in completed.					
	8 ways MCB DB SP&N DD metallic door	2	Nos			
70	MANIATURE CIRCUIT BREAKER					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	Supplying and fixing of all types and rating MCBs, RCCBs, ELCBs etc, 240/415 Volts 50 Hz AC supply in the existing MCB DB complete with connections, testing & commissioning etc in completed:-					
	5-32 Amps' SP MCB B-series	12	Nos			
	40 Amps' DPMCB Isolator	2	Nos			
71	SUPPLYING AND FIXING OF SWITCH BOARDS (MODULAR TYPE) GRADE III					
	Supplying and fixing of Modular switch board of the following sizes/modules on surface/recess including PVC/Steel boxes, modular plate and necessary switches, plug/socket, and fan regulators etc. with painting if necessary					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	A.ONE MODULE					
	1 Soc 2 pin round/uno socket 6 Amp	2	Nos			
	B.TWO MODULES					
	2S	3	Nos			
	C. THREE MODULES					
	3S	1	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	1S+1Soc 16A	8	Nos			
D. FOUR MODULES						
	2 SOC (2M) 16/6 A	1	Nos			
E. SIX MODULES						
	3 S + 1 SOC + 1Bkp	1	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	F. EIGHT MODULES					
	4S + 2 SOC (2 International socket)	3	Nos			
	150(a) 4 S + 1 SOC +1R	3	Nos			
	3S + 2 SOC+ 1Bkp	1	Nos			
	TOTAL B:					
	GRAND TOTAL (A+B):					
	TOTAL AMOUNT IN WORDS					