

BID DOCUMENT

PART-B

(FINANCIAL BID)

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

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

ISSUED TO :

GROUP NO :

4 (FOUR)

DIRECTORATE OF URBAN DEVELOPMENT & POVERTY ALLEVIATION DEPARTMENT

GOVERNMENT OF MIZORAM

MIZORAM: AIZAWL

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

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

Tender Amount: Rs 49,44,800.00

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
A. CIVIL WORKS						
1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead					
	(b) Of area beyond 3 sq. metres	8.00	Nos			
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:					
	(a) In cement mortar	7.70	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
3	Earthwork in excavation exclusive of compensation of earth in -					
	(b) Hard soil (pick work)	166.71	Cum			
4	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.					
	(a) Ordinary Soil	43.88	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
5	Providing and laying in position cement concrete of specified grade excluding cost of centering and shuttering - All work upto plinth level:					
	(a)1:3:6	2.93	Cum			
6	Providing and laying in position reinforced cement concrete excluding cost of centering and shuttering , finishing and reinforcement in -					
	All work upto plinth level :					
	(a) 1:1.5:3	13.16	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
7	Reinforced cement concrete work in walls including attached pillasters, columns, pillers, 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.					
	(a) 1:1.5:3	19.35	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
8	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.					
	(a) 1:1.5:3	76.50	Cum			
9	Centering and shuttering including strutting, propping etc. and removal of form for all heights :					
	(c) Columns, pillars, piers, abutments, posts and struts.	221.06	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(d) Lintels, beams, plinth beams, girders, bressumers and cantilevers, etc.	265.00	Sqm			
	(e) Suspended floors, roofs, landings, shelves and their support, balconies and chajjaj,etc.	343.87	Sqm			
	(f) Staircases (except spiral staircase) excluding landings.	47.52	Sqm			
10	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.	7742.07	Kgs			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
11	Providing and fixing MS fan clamp 12mm dia HYSD bar bent to shape with hooked end in RCC slabs during laying including painting the exposed portion of loop complete.	6	Nos			
12	Providing and mixing water proofing chemical (PIDIPROOF LW chemical) in plain and reinforced cement concrete work 1 : 1.5 : 3 , @ 0.4 % by weight of cement.	15.73	Cum			
13	Half brick masonry with first class brick in foundation and plinth in:					
	(a) in cement mortar 1:3 (1 cement : 3 coarse sand)	278.89	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
14	Extra for concealed in brick and RCC works by making chases upto 7.5x7.5cm in walls and making good the same after housing pipes, etc.	39.60	Rm			
15	12mm cement plaster 1 : 3 (1 cement : 3 fine sand).	326.41	Sqm			
16	Applying priming coat with ready mixed primer of approved brand and manufacture on plaster surface.					
	(a) Ready mix white primer.	326.41	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
17	Wall painting with water and weather proof paint (Latex Emulsion base) on cement works of approved brand and manufacture (ISI/ISO certified) of required shade on new work (two or more coats) to give an even shade .	326.41	Sqm			
18	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.	25.28	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
19	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required. (Glazing to be paid for separately)	26.73	Sqm			
20	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge .					
	(a) With glass panes of 4.0 mm thickness.	26.73	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
21	Providing and fixing factory made PVC door frame made of PVC extruded section (Chaukhat) having overall dimension of 48x40 mm (tolerance + 1 mm) with wall thickness 2.0 mm + 0.2 mm, corners of the door frame to be mitred and joined by means of plastic/M.S. galvanized brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19x19 mm and 1 mm + 0.1 mm wall thickness and 3 Nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge. (Sintex, Plasopan or equivalent) :	32.40	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
22	Factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (\pm 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 (\pm 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (\pm 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (\pm 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					
	(a) 24mm thick shutter	16.09	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
23	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm uPVC P or S trap, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: (Without Cistern)					
	(a) Orissa pattern pan with integral type foot rests					
	(i) White	2	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
24	Providing and fixing Health faucet with flexible tube upto 1 metre long and holder of quality and make as approved by Engineer - in - charge..	2	Nos			
25	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.					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(a) Vitreous China Wash basin size 630x450 mm with single 15 mm C.P. brass pillar taps					
	(i) White	2	Nos			
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			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
27	Providing and fixing SWRPVC plain bend of required degree (45°) including jointing with rubber lubricant/cement solvent complete.					
	(a)110 mm dia.	3	Nos			
28	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.	3	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
29	Providing and fixing SWRPVC socket including jointing with rubber lubricant/cement solvent.					
	(a) 110mm dia socket.	5	Nos			
30	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	3000.00	Litre			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
31	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	12.00	Rm			
32	Providing and fixing G.I. pipe complete with G.I. fitting including trenching and refilling etc. (external work).					
	(d) 32mm dia nominal bore	12.00	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
33	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).	1	Nos			
34	Providing and fixing brass bib cock of approved quality.					
	(c) 25mm nominal bore	3	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
35	Providing and fixing brass stop cock of approved quality.	3	Nos			
	(c) 25mm nominal bore					
36	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) .	12	Nos			
	(c) 25 mm nominal bore					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
37	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.	11.997	Rm			
	(d) 32mm dia nominal bore.					
						TOTAL A:

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	B. ELECTRICAL WORKS					
38	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:-					
	TO LIGHT POINT					
	(A) Very Short point-Ordinary	10	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(B) Short point Ordinary	36	Nos			
	TO CEILING/WALL FAN POINT					
	(A) Very Short point-Ordinary	6	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
39	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:-					
	(B) Short point-Ordinary	4	Nos			
	(C) Medium point-Ordinary	4	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(D) Long point-Ordinary	4	Nos			
40	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 4 Sq.mm running inside PVC casing &capping (Gr-II) 30x12mm 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 15/16A point etc. as required:-					
	(C) Medium point-Ordinary	2	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(D) Long point-Ordinary	4	Nos			
41	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:-					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(a) 2x2.5 Sq.mm Copper Conductor+1x2.5 Sq.mm earth wire	38.294	Nos			
	(b) 2x4 Sq.mm Copper Conductor+1x4 Sq.mm earth wire	40	Nos			
42	Supplying of pre-wired ceiling fan as per IS:374(1979) in a set including standard rod, canopy, AC ceiling fan machines, regulator etc. In completes as follows:-					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(a)Bracket Wall Mounting Fan 400mm Sweep Area	12	Nos			
43	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 singe core cable etc, as required.	12	Nos			
44	LED Batten Fitting 1x18W	32	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
45	Adore LED 3W B22/E144 Base	16	Nos			
46	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.	48	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
47	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.					
	(a) 8 ways MCB DB SP&N SD	2	Nos			
48	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:-					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(a) 5-32 Amps' SP MCB B-series	6	Nos			
	(b) 40 Amps' DPMCB Isolator	2	Nos			
49	Supplying and fixing of PVC domestic surphase mounting boxes/gang boxers of the following sizes on surphase including necessary switches, plug/socket, and fan regulators etc. with painting if necessary					
	(a) 1 S	10	Nos			
	(b) 2 S	6	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)	
				In figures	In words		
	(c)2S+1 Soc	12	Nos				
	(d) 1S+ 1 Soc(S.S Com 15A)	6	Nos				
				TOTAL B			
				GRAND TOTAL (A+B)			
	TOTAL AMOUNT IN WORDS						