

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 SIAHA**

ISSUED TO : _____

GROUP NO : 2 (TWO)

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

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

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

Tender Amount: Rs 42,86,737.00

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
A. CIVIL WORKS						
1	Earthwork in excavation exclusive of compensation of earth in -					
	(a) Ordinary soil	20.80	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.					
	(a) Ordinary soil	37.67	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:					
	(a)1:3:6	3.26	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.					
	(b) 1:2:4	13.95	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
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.					
	(b) 1:2:4	28.69	Cum			
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.	9974.70	Kgs			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
7	Centering and shuttering including strutting, propping etc. and removal of form for all heights :					
	(c) Columns, pillars, piers, abutments, posts and struts.	36.00	Sqm			
	(d) Lintels, beams, plinth beams, girders, bressumers and cantilevers, etc.	136.64	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.	242.85	Sqm			
8	Half brick masonry with first class brick in superstructure above plinth level upto floor V level.					
	(b) in cement mortar 1 : 4	155.00	Sqm			
9	7.5 cm thick brick masonry with first class brick in superstructure above plinth level upto floor two level including curing, etc. complete .					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(b) in cement mortar 1:4 (1cement:4coarse sand)	144.17	Sqm			
10	Providing 1st class local wood dressed in frames of chaukat for doors, windows, clerestory windows fixed in position.	0.23	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
11	Providing and fixing 40mm thick panelled door shutter comprising of styles and rails of seasoned teak wood with panels of Duratuff board 25mm thick as per required architectural design including M.S. butt hinges with necessary screws but excluding varnishing/painting etc.	16.20	Sqm			
12	Providing and fixing 1st class local wood glazed shutters using 4mm thick plate sheet glass for doors, windows, etc. including M.S. butt hinges with necessary screws complete.					
	(a) 40 mm thick.	13.57	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
13	Providing and fixing CP Brass Sliding Door Bolts (aldrops) bright finished with nuts and screws etc. complete.					
	(a) 300 x 16 mm	7	Nos			
14	Providing and fixing CP brass tower bolts (socket bolts) bright finished with necessary screws etc. complete.					
	(a) 250 mm	8	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
15	12mm cement plaster 1 : 3 (1 cement : 3 fine sand).	1012.47	Sqm			
16	Applying priming coat with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) & Plywood.	35.26	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
17	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:					
	(a) Orrisa pan with integral type foot rests					
	(i) White	4	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
18	Providing and fixing Health faucet with flexible tube upto 1 metre long and holder of quality and make as approved by Engineer - in - charge..	4	Nos			
19	Providing and fixing on wall face SWRPVC soil, waste and vent pipes including jointing with rubber lubricant/cement solvent complete.					
	(a) 110mm dia.	20.00	Rm			
	(b) 75mm dia.	16.00	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
20	Providing and fixing SWRPVC plain bend of required degree (45°) including jointing with rubber lubricant/cement solvent complete.					
	(a)110 mm dia.	4	Nos			
21	Providing and fixing PVC pipes complete with fittings and clamps, including cutting and making good the walls etc. (internal work).					
	(b) 20mm dia nominal bore	22.00	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
22	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 quivalent	2865.00	Litres			
23	Wall painting with interior emulsion paint of approved brand and manufacture on new work (two or more coats) to give an even shade.					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(b) Premium interior emulsion like Velvet touch Luxol silk etc.	299.17	Sqm			
					TOTAL A:	
	B. INTERNAL ELECTRIFICATION					
24	LIGHTING AND POWER WIRINGS					
	Light points, ceiling fan points, exhaust fan point etc. (GRADE - III) Modular					

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 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					
	(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)	20	Nos			
	TO CEILING/WALL FAN POINT					
	(C) Medium point (Modular)	5	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
25	LIGHT PLUG/SOCKET POINT 5/6 AMPS (MODULAR TYPE)					
	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:-					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(D) Long point (Modular)	2	Nos			
26	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 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)	18	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
27	MAIN TO SUB-MAIN WIRING GRADE III SURFACE(SINGLE PHASE TWO WIRE)					
	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	21.608	Rm			
	(C) 2x6 Sq.mm Copper Conductor+1x6 Sq.mm earth wire	12.00	Rm			
	LIGHTING FIXTURES AND FANS					
28	Ceiling fan 900mm sweeps ISI marked 3 blades	5	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
29	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			
30	LED Batten fitting 1X12W Linea 2' with LED tube(Philips/Havells/Bajaj)	24	Nos			
31	Adore LED 0.5W B22/E14 Base (Philips/Havells/Bajaj)	14	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	Installation, testing & Commissioning of pre-wired flourescent 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.	38	Nos			
	EARTHING AND LOOP EARTHING					
32	Advance maintenance free chemical earthing Copper 2000x80mm with 1 bag back filing compound for all type of transformer PLC Machinerries, Lighning conductors, multistoreyed building, industries, lift, generator etc	1	Set			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
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33	Extra for using Back filling compound I for G.I. Or copper Maintenance free electrode as required SBE back Filling Compound.	1	Set			
34	Providing and fixing of 8 SWG Copper wire or in recees for lopp earthing alongwith the existing surface/recess conduit PVC casing and capping etc. As required.	20.00	Rm			
35	MCB DISTRIBUTION BOARD (DB)					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	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.					
	(02) 8 ways MCB DB SP&N SD	2	Nos			
36	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			
	32 Amps' DPMCB Isolator	2	Nos			
37	SUPPLYING AND FIXING OF SWITCH BOARDS (MODULAR TYPE) GRADE III					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	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					
	A.ONE MODULE					
1S		10	Nos			
	B.TWO MODULES					
2S		4	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	D. FOUR MODULES					
	2SOC	9	Nos			
	E. SIX MODULES					
	3S+1SOC+1BKP	2	Nos			

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