

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 LUNGLEI**

ISSUED TO : _____

GROUP NO : 3 (THREE)

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

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

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

Tender Amount: Rs 41,89,449.00

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	A. CIVIL WORKS					
1	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.					
	b) Hard Soil (Pick work)	25.19	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
2	Providing and laying in position cement concrete of specified grade excluding cost of centering and shuttering - All work upto plinth level:					
	a) 1:2:4	1.44	Cum			
3	Reinforced cement concrete work in walls including attached pillaster, columns, pillars, post , piers, abutments, return walls etc upto floor five level excluding cost of centering and shuttering etc. completed -					
	b)1:2:4	6.86	Cum			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
4	Reinforced cement concrete work in beams, suspended floors, roof having slope upto 15° landings, balconiesshelves, Chajjas, aspiral stair cases, etc cantilever upto floor five level excluding cost of centering and shuttering etc. completed -					
	b)1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	41.78	Cum			
5	Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete.					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	a) Thermo-Mechanically Treated bars of grade Fe-500 or more.	8435.80	Kgs			
6	Centering and shuttering including strutting, propping, etc. and removal of form works in -					
	(c) Columns, pillars, piers, abutments, posts and struts.	96.91	Sqm			
	(d) Lintels, beams, plinth beams, girders, bressumers and cantilevers, etc.	170.55	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.	321.04	Sqm			
	(g) Spiral staircases including landings, shelves, girders, bressumers and cantilivers, etc	18.00	Sqm			
7	Half brick masonry with first class brick in superstructure above plinth level upto floor V level					
	(a) in cement moratar 1:3	184.47	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
8	Providing 1st class local wood dressed in frames of chaukat for doors, windows, clerestory windows fixed in position.	0.38	Cum			
9	Providing and fixing 1st class local wood panelled shutters for doors etc. including M.S. butt hinges with necessary screws, etc. complete.					
	(c) 30mm thick	14.70	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
10	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS: 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	c) Powder coated	23.27	Sqm			
11	Supplying of glass panes at site.					
	(c) 4mm thick frosted glass	21.19	Sqm			
12	15mm cement plaster 1 : 3 (1 cement : 3 fine sand).	505.09	Sqm			
13	12mm cement plaster 1 : 3 (1 cement : 3 fine sand) finished with a floating coat of neat cement.	128.44	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
14	Providing & laying vitrified tiles in different sizes (thickness to be specified by the manufacture) with water absorption less than 0.08% and conforming to IS:15622,of approved make, in all colours and shades, in skirting/dado , riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS:15477, in average 6mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(d) Digital (Marble look)	37.40	Sqm			
15	Providing and fixing M.S. Tower bolts (socket bolts) bright finished with necessary screws etc. complete.					
	(a) 300 mm	16	Nos			
16	Providing and fixing M.S. sliding door bolts (aldrops) bright finished and/ or black enamelled with nuts and screws etc. complete.					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(a) 300 x 16 mm	9	Nos			
17	Providing and fixing M.S. handles with necessary screws, etc. complete					
	(a) 150 mm	18	Nos			
18	Providing and fixing M.S. round or square bars without M.S flats at required spacings in wooden frame of windows and clerestory windows.					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
		367.50	Kgs			
19	Painting with synthetic enamel paint of approved brand and manufacture in all shades on new work (two or more coats).					
	(a) General quality	74.04	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
20	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 .					
		499.51	Sqm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
21	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm u PVC 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	
22	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	1	No			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
23	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick asbestos sheet ground fixed to cleats with C.P. brass screws and washers.					
		1	No			
24	Providing and fixing W.C. connection bend type (siphon) (SWRPVC) including jointing with rubber lubricant/ solvent cement.					
		5	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
25	Providing and fixing on wall face SWRPVC soil, waste and vent pipes including jointing with rubber lubricant/cement solvent complete.					
	(a) 110mm dia.	45.00	Rm			
26	Providing and fixing ventilation cowl including jointing with rubber lubricant/cement solvent complete.					
	(a) 110mm SWRPVC vent cowl	2	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
27	Providing and fixing SWRPVC socket including jointing with rubber lubricant/cement solvent.					
	(a) 110mm dia socket.	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.	10	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
29	Providing and fixing single equal SWRPVC plain junction of required degree (T-junction).					
	(a) 110x110x110mm.	10	Nos			
30	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).					
	(a) 20mm dia nominal bore	20.00	Rm			
31	Providing and fixing G.I. pipe complete with G.I. fitting including trenching and refilling etc. (external work).					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(b) 20mm dia nominal bore.	15.00	Rm			
32	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	No			
33	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) .					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(b) 20 mm nominal bore	10	Nos			
34	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
	(b) 20mm nominal bore	2	Nos			
35	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931 .					
	(d) 20 mm nominal bore.	10	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
36	Making connection of Astral CPVC pipes distribution branch by providing and fixing Elbow 90o with jointing, testing complete including cutting and making good etc.					
	(b) 20mm dia.	21	Nos			
37	Making connection of Astral CPVC pipes distribution branch by providing and fixing Brass FPT Tee with jointing, testing complete including cutting and making good etc.					
	(b) 20x20x15mm	15.00	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
38	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					
	(b) 20mm dia nominal bore	20.00	Rm			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
39	Making connection of Astral CPVC pipes distribution branch by providing and fixing Socket/Coupling with jointing, testing complete including cutting and making good etc.					
	(b) 20mm dia.	20.00	Rm			
					TOTAL A:	
	B. ELECTRICAL WORKS					
41	LIGHTING AND POWER WIRINGS					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	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:-					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	TO LIGHT POINT					
	(B) Short point (Modular)	15	Nos			
	(D) Long point (Modular)	25	Nos			
	TO CEILING/WALL FAN POINT					
	(B) Short point (Modular)	9	Nos			
42	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:-					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(c) Medium Point	5	Nos			
	(D) Long point (Modular)	3	Nos			
43	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:-					
	(D) Long point (Modular)	8	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
44	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	21.79	Rm			
	(C) 2x6 Sq.mm Copper Conductor+1x6 Sq.mm earth wire	10.00	Rm			
45	(2045) Ceiling fan 900mm sweeps ISI marked 3 blades	6	Nos			
46	(2061) Bracket wall mounting fan 300mm sweeps Mist air Ultra/Striker High speed ISI marked (Usha/Havells/Polar/Grompton /Bajaj)	1	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
47	Installation,testing&commissio ning 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.	7	Nos			
48	(2071) Exhaust Fan 150mm sweeps ISImarked.(Usha/Havells/Polar/ Grompton/Bajaj)	2	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
49	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.	2	Nos			
50	(1547) LED Batten fitting 1X12W Linea 2' with LED tube(Philips/Havells/Bajaj)	30	Nos			
51	(1814) Adore LED 0.5W B22/E14 Base	10	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
52	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.	40	Nos			
53	Advance maintenance free chemical earthing Copper 2000x80mm with 1 bag back filing compound for all type of transformer PLC Machineries, Lighning conductors, multistoreyed building, industries, lift, generator etc	1	Set			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
54	Extra for using Back filling compound I for G.I. Or copper Maintenance free electrode as required SBE back Filling Compound.	1	Set			
55	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.	18.00	Rm			
56	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			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
57	MANIATURE CIRCUIT BREAKER					
	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:-					
	(01) 5-32 Amps' SP MCB B-series	12	Nos			
	(25) 32 Amps' DPMCB Isolator	2	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
58	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					
	A.ONE MODULE					

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
(01) 1S		6	Nos			
(11) 1SOC 2 Pin round/uno socket 6 Amps		1	Nos			
B.TWO MODULES						
(13) 2S		2	Nos			
(21) 1 SOC 6 Amps 3+3		2	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	C. FOUR MODULES					
	(51) 2S+1SOC	1	Nos			
	(62) 2SOC (2M) 16/6A	4	Nos			
	D.SIX MODULES					
	(68) 6S	1	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(69) 5S+1S with indicator	2	Nos			
	E. EIGHT MODULES					
	(150) 3S+1SOC+1R+1BKP	2	Nos			
	(151) 3S+2SOC+1BKP	1	Nos			

Sl. No	Description	Quantity	Unit	Quoted Rate		Amount INR (In figures)
				In figures	In words	
	(145) 4S+2R(2M)	1	Nos			
	F. TWELVE MODULES					
	(246) 5S+1SOC+2R+1BKP	1	Nos			
						TOTAL B:
						GRAND TOTAL (A+B):
	TOTAL AMOUNT IN WORDS					