



# *Hidayatullah National Law University*

*Nava Raipur, Atal Nagar – 493661 (C.G.)*

*Website: [www.hnlu.ac.in](http://www.hnlu.ac.in); Email: [purchase@hnlu.ac.in](mailto:purchase@hnlu.ac.in)*

**No.: HNLU/922/2025**

**Dated: 01.10.2025**

## **TENDER DOCUMENT FOR FALSE CELING, ELECTRICAL, HVAC, SHED & INTERIOR WORKS AT 2ND FLOOR DINING / CAFETERIA, HNLU**

**No.: HNLU/775/NIT/2025-26**

### **CORRIGENDUM**

With reference to Notice Inviting Tender No. HNLU/775/NIT/2025-26 dated 20.09.2025, it is hereby informed that the BoQ of the tender uploaded on the E-Wizard portal is made available for the information of all bidders. Interested bidders may inspect the site before the last date for submission of bids during office hours. All other terms and conditions specified in the tender documents shall remain unchanged.

**Sd/-  
Registrar (I/c)**

**Name of Work : TENDER DOCUMENT FOR FALSE CEILING, ELECTRICAL Technical specifications for Supply, Installation, Testing, And Commissioning of FALSE CEILING, ELECTRICAL, HVAC, STEEL SHED & INTERIOR WORKS AT 2ND FLOOR DINING / CAFETERIA, HVAC, STEEL SHED & INTERIOR WORKS AT 2ND FLOOR DINING / CAFETERIA, HNLU**

**Annexure-I**

SR. NO.	Code No.	Description of Item	QUANTITY	UNIT
		<b>GYP BOARD FALSE CEILING (FOR NEW,REPAIR AND RENOVATION i/c Dismantalling work with 500 M)</b>	<b>250.00</b>	SQM
1	HNLU 01	Providing and fixing at all height false ceiling consisting of frame work "W" / "U" / "L" sections made of G.I. sheet with zinc coating of grade 120 consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastener 12.5mm dia x 40mm long with 6mm dia bolts to the angle hangers of 25x25x0.55mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels 45x15x0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick button wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G.I. channel with connecting clips made out of 2.64mm dia x 30mm long G.I. wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.55mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450mm centre to centre with 25mm long drive-all screws @ 230mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and two coats of primer suitable for board as per manufactures specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed including providing and fixing 12.5 mm thick tapered edge gypsum board conforming to IS: 2095- Part-I all complete as per drawing and specification and direction of the Engineer in Charge but excluding the cost of painting.		
		<b>TOTAL</b>	<b>68.75</b>	SQM
2	HNLU 02	Renewal including scraping with white washing/ Colour washing with lime to give an even shade in two coats on existing lime surface consumption of lime 2.50kg /10 Sqm as per relevant I.S. code 6278:1971 with all tools tackles and labour etc. complete for the work.	<b>500.00</b>	sqm
3	HNLU 03	Providing and applying 2mm thick Acrylic white cement based grade putty with minimum 3 coats applied @ 4.0 kg/ 10Sqm as per relevant IS code 17545:2021 (Product such as Asian trucare, Berger Happy walls Putty Birla Opus One pro smooth) to make the surface smooth and even with all tools tackles and labour etc. complete for the work . (This Item to be use in heigher grade painting works Item No. 14.65)	195.00	sqm
4	HNLU 04	Providing and applying Economy Plastic emulsion paint with roller application minimum three coats applied @ 1.25 lit / 10 Sqm up to final finish as per relevant I.S. Code 15489:2013_Type -1 Class D & C (Glossy and Semi Glossy Finish) of required shade (product such as Tractor emulsion, Dulux Promise, Nerolac Bueaty Silver, Berger bison/breeze , Opus I30/ Style Paint) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work . <b>(With 2 Year warranty).</b>	<b>263.50</b>	SQM
		<b>TILES FALSE CEILING</b>		

5	HNLU 05	<p>Proving &amp; fixing of Mineral fibre Acoustical Suspended Ceiling System with 16mm thik microlook edge tiles of size 595x595 mm as approved by Engineer-In-charge, in true Horizontal Level Suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanised @120 gsm/sqm, both side inclusive) consisting of main "T" Runner with suitably spaced joints to get required length and of size 15x38 mm made from 0.30 thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24x25 mm made of 0.30 thick (minimum) sheet, 1200 mm long spaced between main "T" at 600mm center to center to form grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.30 mm and laying false ceiling tiles of approved texture in the grid,whereeveer required, cutting/making, opening for services like diffusers, grills, light fitting, fixtures, smoke detectors etc. Main "T" rummer to be suspended from ceiling using GI slooted cleats of size 27x37x25x1.6mm fixed to ceiling with 12.5mm dia and 50 mm long dash fasteners, 4mm GI adjustable rods with galvanised butterfly level clips of size 85x30x0.8 mm spaced at 1200mm center to center along main "T", bottom exposed width of 24mm of all "T" sections shall be pre-painted with polyester paint, all complete for all heights as per specification drawings or as directed by Engineer-In-Charge.The tiles should have Humidity resistance(RH) of 99%, NRC 0.5, Light Reflectance &gt;83%, Thermal Conductivity K=0.052-0.57w/mk, colour white, fire performanceUK class 0/Class 1(BS 476 pt-6 and 7) in module size of 600x600x16 mm with Bio Block coating on the face of the tile, suitable for green Building Application, with recycled content of 38-41%. <b>The tile and grid system used together should Carry a 15 year warranty.</b></p>		
			15% AREA	37.5
			<b>TOTAL</b>	<b>37.5</b> Sqm
6	HNLU 06	<p>Providing and installation of acoustical wall panelling wood finish Slats made out of HDF board, Melamine / veneer laminated finish, perforated wooden grooved slats (2mm grooves @ 8mm centers) / (2mm Slats @ 16mm pitch) / (2mm grooves @ 32mm centers) / (2mm grooves @ 64mm centers), backlined with black acoustical fleece, tongue-groove edge for a seamless look, FR grade, of lineal dimension size 128mmx2440mmx16mm thick having density 1000Kg/m3, weight 12.8Kgs/m2 installed by using GI strut system. The GI strut system includes GI Cross channel having thickness 0.45mm, length 3600mm, knurled web 40mm, depth 10mm and equal flanges 15mm is fastende vertically/horizontally at every 600mm centers. Aluminium core cross channel having thickness 0.5mm, length 2400mm, web 15mm and 27mm, depth 18mm and flanges of 7 mm with suitable edge and center brackets is then fixed perpendicular to the cross channel with the help of fasteners at every 400mm centers. Contractor to Provide expansion joints of 3mm at every 5mts bothways.</p>		
				9 sqm
7		<b>FULL HEIGHT PARTIALLY GLAZED FLUSH DOORS</b>		
	HNLU 07	<p>Providing &amp; fixing at site 35 mm thick flush doors shutters with frame of approved make to be laminated on both faces with 1.0 mm thick laminate of approved colour &amp; make with 35 x 5mm steam beach wood beading on edges of door. The door is to be fixed to main frame made with 4" heavy duty brass hinges The glass portion is 8 mm. thick float glass with itching. All edges of the door shall have steam beech wooden beading propoerly polished to match the existing laminated finish. door closer, mortice locks, door stoppers, handles all accessories, labour etc. as per Drawings and Direction of Architect or Engineer-in-Charge complete.</p>		
				7.2 SQM
8		<b>FULL HEIGHT PARTIALLY GLAZED PARTITION AND DOORS</b>		
	HNLU 08	<p>Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. <b>inclusive of 4mm thick ACP Sheet in Partition. Same For Sliding Doors inclusive of all Fittings and Fixtures as per Engineer in Charge. (Glazing to be paid for separately:</b></p>		
				67 sqm

9	HNLU 09	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):		
		With float glass panes of 8 mm thickness		
			67	sqm
10	HNLU 10	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, <b>Plate and bolted with special shaped washers etc. complete.</b> ( i/c Truss design Approved form Govt College/M.Tech Strcture Consultant)		
		Hot finished seamless type tubes		
			3750	KG
11	HNLU 11	Supply and fixing of pre-coated TILE PATTERN profile sheets of approved make, colour, over all size, corrugation shape and pitch, having total coated thickness (TCT) 0.45 mm (approx weight 4.9 kg/sqm) with Zn-Al coating and superior paint and having yeild strength of 550 MPa. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 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 excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.		
			186	Sqm
12	HNLU 12	5 mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications ( to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Decorative type		
		<b>Providing and fixing PVC false ceiling on Outside . The Galvanized section of 3" width of 0.5mm thick fixed on the ceiling by gypsum screws/ dash fasteners/welding as required. The pvc panel ( Korean made or equivalent ) of standard size 10'x10" of 8 mm thick will be fixed on the galvanized section complete as required including wastage, labours , cartage, scaffolding etc..PVC Ceilings panels can be screwed onto the framing with A1 grade steel channel brandering. The screw used in PVC Ceiling panel onto the brandering using a 4.0 patti with 6.0 bottom and ultra grade steel channel with screw fitting of 1-2mm thickness.</b>	31	Sqm
13	HNLU 13	Providing and laying DOUBLE/MULTI CHARGE (minimum 2.0 mm thick laying)/ VIRTRIFIED floor tiles with water absorption less then 0.05% and conforming to IS: 15622-2017 of 1st quality of approved make in all colors and shades and size mentioned below (+/- 10 mm), laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigments etc. complete.		
		Only Laying ,Tiles Provided by Owner	62	Sqm

Sr. No.	Description	Unit	Qty
1	<b>Supply of VRF Outdoor units</b>		
	Supply of inverter Scroll Compressor with Variable Refrigerant Flow System (with R-410 A) connectable to multiple indoor units. Outdoor unit shall be factory fitted extra corrosion resistance coating on condenser fins with epoxy coated painting. The unit shall be completely factory wired and tested with necessary controls. The compressor shall be highly efficient inverter scroll type controller with ambient temp range up to 53 Deg C. Unit shall be equipped with oil recovery system to ensure stable operation with long refrigerant piping (make - Daikin)		
i	20 HP	Nos	1
2	<b>Supply of VRF Indoor units</b>		
	The indoor unit shall have independent electronic control valve to control the refrigerant flow rate respond to variations of the air conditioning load of the room. The fan shall be aerodynamically designed turbo multi blade type. Statically and dynamically balanced to ensure lowest noise. The cooling coil shall be made of seamless copper tube		
a	<b>4-way cassette units including panel</b>		
i	4.0 tr	Nos	4
	VRV indoor AC Unit (Wall mounted Hi-wall / Cassette unit):-Supply Installation testing and commissioning of wall mounted indoor split type unit comprising of copper evaporater, electronic expansion valve, blower, motor filter pad, autoair swing louvers, temperature & on/off display with provision of discharge angle setting by wireless remote controller including internal wiring as per specification.		
	Actual Capacity 1.6 TR	Nos	2
	Actual Capacity 1.0 TR	Nos	0
1	<b>Supply and installation of branch joints (Refnet)</b>		
	Supply of imported branch distribution joints, Y-shape branching joints for VRF units as required, with filter and accessories, capable to attain an efficiency of 70% or more		
i	Indoor joints	Nos	10
ii	Outdoor joints	Nos	2

<b>2</b>	<b>Installation of the VRF outdoor units</b>		
	Nitrogen testing, vacuuming, flushing, installation, testing, and commissioning		
i	20 HP	Nos	1
<b>3</b>	<b>Installation, testing, and commissioning of the VRF indoor units</b>		
a	4-way cassette units	Nos	4
	Hi-Wall units	Nos	2
<b>4</b>	<b>Refrigerant copper piping</b>		
	Supply, installation, testing and commissioning of seam less and eddy current tested hard drawn copper insulated refrigerant piping. The insulation shall be closed cell elastomeric nitrile rubber in sleeve form using 19 mm for supply & 13 mm for return. The refrigerant piping shall include of all couplings and elbow etc., pvc sleeves to be provided wherever the copper tubes passing through walls		
a	VRF	Rmt	100
<b>5</b>	<b>Communication cabling</b>		
	Supply, installation, testing and commissioning of communication Cable between indoor unit to outdoor loop (2core x 1 sq mm copper wire) laid in conduits	Rmt	100
<b>6</b>	<b>Drain piping</b>		
	Supply and installation of rigid PVC drain pipe with 6 mm nitrile rubber insulation complete with fittings, U traps etc. as specified to the nearest toilet or drain point	Rmt	100
<b>7</b>	<b>Outdoor stand</b>		

	Supply and installation of MS painted table stand for outdoor unit		
a	VRF	Nos	1
8	Gas charging - R-410 A	Kg	25
9	Trench work (if required)	Rmt	20
10	Core cutting (if required)	Nos	2
11	Approved Working Drawings, Lifting, shifting, transportation and unloading charges	Lot	1

SR.NO.	DISCRPTION	UNIT	QTY
1	3	4	5
	<b>INTERNAL WIRING IN CONCEALED</b>		
1	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)		
2	Long Point	Point	45
4	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with modular type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of base and cover plate and G. I. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	Point	15
5	Wiring for light plug point with 3x2.5 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 6 Amp switch and 3 pin 6 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)		
6	Medium Point	Point	10
7	Long Point	Point	10
8	Extra Long Point I	Point	5
9	Extra Long Point II	Point	5
10	Wiring for power plug point with 3x4 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 16 Amp switch and 6 pin 16 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)		
11	Extra Long Point I	Point	10
12	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)		
14	3 X 2.5 sq. mm in 20mm conduit	Metre	300
15	3 X 4 sq. mm in 25mm conduit	Metre	220

18	Supplying and fixing of following sizes FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with accessories in concealed complete as per specification and IS: 9537 (2000 Part 5)		
19	20 mm	Metre	120
20	25 mm	Metre	200
22	Extra for providing modular starter in power point wiring instead of modular 32 amp SPMCB and 16 amps socket outlet as per specification.	Point	10.00
28	Supplying and drawing following grade co-axial TV wire FR PVC insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ concealed Steel/FRLS PVC conduit as per specification		
29	RG-6 grade	Metre	50.00
30	Supplying and fixing following modular switch, socket, other accessories on the existing modular plate & switch box including connections but excluding modular plate etc. as per specification.		
31	Bell push	Each	15
32	5/6 amps one way switch	Each	5.00
33	5/6 amps two way switch	Each	5.00
34	Fan regulator (two module size) electronic stepped type moving all rounds	Each	5
35	RJ-45 {CAT6} LAN, I/O Box	Each	2
36	Telephone socket outlet	Each	1
37	Blanking plate	Each	10
38	Providing and fixing composite unit for computer points having modular type 1 No 6 pin 16 amp socket outlet, 1 No 16 amp switch, 3 Nos 3 pin 6 amp socket outlets, 3 Nos 6 amp switches, suitable G.I. box, base and cover plates, earthing the sockets and switch box including etc. as per specification.	Each	2
39	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts A.C. supply, complete as per specification.		
40	Deluxe	Each	2
43	Supplying and fixing of wall/ cabin fan including connection etc. as per specification. P.F. should be greater than 0.9		
44	400 mm sweep	Each	20.00
45	Supplying, installation, testing and commissioning of following sizes fancy exhaust fan having built in louvers in existing opening in wall including earthing etc. complete as per specification. P.F. should be greater than 0.9		

46	225 mm sweep	Each	2
47	300 mm sweep	Each	1
51	Supplying, installation, testing and commissioning of following LED fitting (luminaries) <b>DECORETIVE HANGING</b> light in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio $\geq 100$ lumens /watt.		
52	18/20 Watt	Each	30
53	Supplying, installation, testing and commissioning of following COB LED Spot Light fitting complete with Electronic Driver Heat sink Capacitor and all other accessories including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio $\geq 100$ lumens /watt.		
54	6 watt	Each	30
55	Supplying, installation, testing and commissioning of following sleek LED panel down lighters (luminaries) in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio $\geq 100$ lumens /watt.		
56	36 watt, size 600 x 600mm	Each	8
57	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio $\geq 100$ lumens /watt.		
58	10 watt {2 feet}	Each	2
59	18/20 watt {4 feet}	Each	1
62	Supplying and fixing on surface/ recess horizontal type following way, 415 volts, TPN MCB distribution board of sheet steel phosphatized and powder painted, complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as per specification. (But without MCB/RCCB/Isolator)		
63	6 way Double door	Each	1
64	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.		
65	6 amps to 32 amps	Each	18
68	Supplying and fixing TP&N MCB, 440 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.		
69	63 amps	Each	1