

**BILL OF QUANTITIES
ABSTRACT**

SL. No	ITEM	AMOUNT (Rs.)
1	PART I – Civil Works	
2	PART II – Electrical Works	
3	PART III – HVAC Works	
4	Service tax component to be paid by the bidder.	
5	Service tax component to be directly paid by the HLL in case the bidder is a Proprietary firm	
	TOTAL AMOUNT	

Construction of MCH block and Surgical block at DH, Neyyatinkara - Renovation of OT Block

PART I - CIVIL WORK

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :Of area 3 sq. metres and below	6.00	Each		
2	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead : With cement mortar 1:4 (1 cement : 4 fine sand)	109.00	SQM		
3	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.For thickness of tiles 10 mm to 25 mm	132.00	sqm		
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	3.00	cum		
5	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	2.00	CUM		

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
6	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	6.00	SQM		
7	Dismantling of wash basin & IWC and disposal of unserviceable materials within 50 metres lead.	1.00	EACH		
8	Painting synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. one or more coats on old work	118.00	SQM		
9	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete:With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	24.00	m		
10	Supplying chemical emulsion in sealed containers including delivery as specified:Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	82.00	liter		

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
11	Brick work with F.P.S bricks of class designation 5.0 in superstructure above plinth level up to floor v level in all shapes and sizes in: Cement mortar 1: 6 (1 cement :6 coarse sand)	3.00	Cum		
12	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion: Powder coated aluminium (minimum thickness of powder coating 50 micron)	38.00	kg		
13	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 EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Powder coated aluminium (minimum thickness of powder coating 50 micron)	41.50	kg		
14	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
a	float glass panes of 6 mm thickness	5.50	Sqm		
15	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge: Pre-laminated particle board with decorative lamination on both sides	2.00	sqm		
16	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	21.50	Rm		
17	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
a	125 mm	1.00	Each		

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
18	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. Complete 250x10 mm	1.00	Each		
19	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).	1.00	Each		
20	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	1.00	Each		
21	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	1.00	Each		

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
22	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	68.00	Sqm		
23	Supplying and fixing vinyl covering for floor (Armstrong make) for theatre flooring (Anti bacterial and anti fungal) including installation, cost with adhesive, copper laying, welding etc all complete and as per the direction of Engineer in charge	59.50	Sqm		
24	GERFLOR WALL COVERING				
	MURAL PLUS is a Homogeneous flexible vinyl sheet which complies with EN 649. It is designed to be a permanent wall covering. Full resistant to impact, it act as a buffer against damage from beds, trolleys and indoor motorized vehicles and other transportation systems. It is fully impact resistant and is therefore ideal for use as a cladding in large public building such as Hospital care institutions, Dental and veterinary surgeries, clean rooms, store areas.	115.50	sqm		

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
25	Providing, Fixing, Supply, Installation, and Commissioning of Manually Operated hermetically sealed Sliding Doors (Door – Meta flex)(1800mm wide 2400mm height) with Metal finish, complete with glass vision window of 300mm x 300mm with all necessary accessories etc.	2.00	each		
26	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	115.50	Sqm		
27	Applying one coat of cement primer of approved brand and manufacture on wall surface – Cement Primer	139.00	Sqm		
28	Painting Steel work with Delux Multi surface paint to give an even shade.Two or more coat applied @ 0.90 ltr/10sqm over an over an under coat of primer applied @ 0.80ltr/10sqm of approved brand or manufacture.	5.50	Sqm		
29	Applying one coat of with Anti microbial Paint of approved brand and manufacture on ceiling	59.50	Sqm		

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
30	FALSE CEILING SYSTEM - Orcal Clip-in 600x600mm SS Metal-Plain finish				
	<p>Providing & Fixing true horizontal level suspended ceiling comprising of Armstrong Stainless Steel Clip-in with double pip self-leveling feature and special tabs to allow removal of tile to enable plenum access with plain visual consisting of 600X600 clip in tiles of Brushed steel finish in 0.42mm thickness with bevel edge and suitable for Green Building application, with Recycled content of 25%. Installation: To comprise 3000mm long 'C' channels spaced at 1200mm centres securely fixed to the structural soffit by support clamp & approved hangers. The last hanger at the end of each C channel should not be greater than 600mm from the adjacent wall. Use a C-channel connector for splicing two pieces of C-channels. 4000mm Dp-12 Main carriers (spring tee bars) shall be spaced at 600mm centres in a direction perpendicular to the C-channels and shall be secured at every intersection with C channel using a dp-12 hanger. Use Dp-12 connector to splice two pieces of Dp-12 main carriers. Tiles should be clipped in between two Dp-12 carriers (spring tee bars) from below. Perimeter trims to be of Armstrong wall angles of white colour secured to walls at 450mm maximum centres. Cut tiles to be secured to the wall angles using a spring clamp.</p>	59.50	sqm		

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
31	<p>Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 gsm/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38mm made from 0.30mm thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24x25mm made of 0.30mm thick (minimum) sheet, 1200mm long spaced between main "T" at 600mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600mm and size 24x25mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600mm panel to form grids of 600x600mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, wherever, required, cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc.</p>				
	<p>Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 x mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete at all heights as per specifications drawings and as directed by Engineer-in-charge.</p>				

Item no.	Item Description	Quantity	Unit	Rate Rs. (In Figures & Words)	Amount (Rs.)
	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5mm thick with 8mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.````	21.00	sqm		
32	Cement concrete 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) for levelling course	3.00	Cum		
33	Providing and fixing wash basin pillar taps, 32 mm C.P. brasswith C.I. brackets, 15 mm C.P. brasswaste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	1.00	Each		
	Total Part I - Civil Works				

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PART II - ELECTRICAL WORKS					
SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
A. Wiring					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC Conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	Point	10		
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC Conduit as required				
2.1	2 x 1.5 sq.mm + 1 x 1.5 sq.mm earth wire	Rm	40		
2.2	2 x 2.5 sq.mm + 1 x 2.5 sq mm earth wire	Rm	40		
2.3	2 x 4.0 sq.mm + 1 x 4.0 sq mm earth wire	Rm	70		
2.4	2 x 6.0 sq.mm + 1 x 6 sq mm earth wire	Rm	20		

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
3	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/recessed steel / PVC conduit including dismantling as required.	Point	15		
4	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel / PVC conduit as required				
4.3	3 x 1.5 sqmm	Rm	40		
4.5	3 x 2.5 sqmm	Rm	90		
4.7	3 x 4 sqmm	Rm	120		
4.8	3 x 6 sqmm	Rm	30		
5	Supplying and drawing 2 pair 0.5 sq mm FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	Rm	30		

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
6	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
6.1	20 mm	Rm	80		
6.2	25 mm	Rm	40		
7	Supplying and fixing metal box of 200mm x 300mm x 100mm deep (nominal size) on surface or in recess with suitable size of Phenolic laminated sheet cover in front including painting etc as required.	Each	4		

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
8	Supplying and fixing following modular socket outlet on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
8.1	5/6 amps switch	Each	40		
8.2	15/16 amp switch	Each	15		
8.3	3 pin 5/6 amp socket outlet	Each	25		
8.4	6 pin 15/16 amp socket outlet	Each	15		
8.5	Telephone socket outlet	Each	4		
8.6	Bell push	Each	4		
9	Supplying and fixing stepped type electronic fan regulator-modular on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	10		

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
10	Supply and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	25		
11	Supplying and fixing following size/ modules, GI / PVC box alongwith modular base & cover plate for modular switches in recess etc as required.				
11.1	1 or 2 Module	Each	8		
11.2	3 Module	Each	20		
11.3	4 Module	Each	15		
11.4	6 Module	Each	4		
11.5	8 Module	Each	6		
11.6	12 Module	Each	6		

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
12	Supplying and fixing suitable size GI / PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	10		
13	Supplying and fixing suitable size GI / PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	5		
14	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	10		
15	Supplying and fixing call bell / buzzer suitable for single phase, 230 volt, complete as required.	Each	2		
16	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	10		
17	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	5		

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
18	Supplying and fixing extra conduit down rod of 10 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	40		
19	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
19.1	Upto 450 mm sweep	Each	2		
20	Painting of ceiling fan in installed position with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent etc as required.	Each	5		
B. MCCB, MCB & DBs					
21	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
21.1	4 way, Double door	Each	1		
22	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
22.1	Single pole	Each	20		
22.2	Triple pole	Each	4		
22.3	Triple pole and neutral	Each	2		
23	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	4		
24	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
24.1	40 amps	Each	1		
25	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
25.1	25 amps	Each	1		

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
26	Supplying and fixing DP sheet steel enclosure on surface / recess along with 20/25 amps 240 volts C curve DP MCB complete with connection, testing and commissioning etc as required	Each	2		
27	Supplying and fixing FP sheet steel enclosure on surface/ recess along with 10/16/25amps 415 volts "C" curve TPN MCB complete with connections, testing and commissioning etc. as required.	Each	5		
28	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	5		
C. Earthing					
29	Providing and fixing 8 SWG copper wire on surface or in recess for loop earthing as required.	Rm	40		
30	Providing and fixing 8 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required.	Rm	50		
D. MV Cable laying					
31	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
31.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Rm	45		
32	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
32.1	4C x 6 sqmm	Each	2		
32.2	4C x 10 sqmm	Each	2		
33	Supply of the following size 1.1kV grade XLPE insulated PVC sheathed, armoured Aluminium conductor power cable confirming to IS 7098 (part 1) ammended upto date.				
33.1	4C x 6 sqmm	Rm	25		
33.2	4C x 10 sqmm	Rm	20		

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
34	Supplying and fixing FP sheet steel enclosure on surface/ recess along with 40amps 415 volts "C" curve TPN MCB complete with connections, testing and commissioning etc. as required.	Each	1		
35	Supply of 1x 28W flourescent batten tube light fitting complete with all electrical accessories like electronic ballast, lamp holder, lamp etc complete as required. (Wipro Coral WRF 80128SG / Havells LHFYBYF1ON1W028 / Bajaj BTIP 128 ACR N)	Each	10		
36	Supply of ceiling fan 1200 mm sweep, double ball bearing, metallic colour fan of approved quality with original down rod,suspension shackle,canopy etc complete with all accessories as required. (Usha E Series EX 1 / Equi)	Each	5		
37	Supply of 250mm sweep, louvered ventilating fan suitable for single phase 230 volt, 50Hz AC supply complete with motor, capacitor, louvers/shutters and all accessories as required complete. (Make : Usha Crisp Air or Crompton Briskair or equivalent)	Each	2		
38	Providing Tube light lamp 28W to 36W, CFL lamps 9W to 18W in the existing light fitting as per the direction of Engineer in Charge.	Each	15		
39	Supply and Installation of 10 pair MDF box, back mount frame and original krone connectors with all accessories.	Each	1		
E. Dismantling & Renovation					

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
40	Dismantling the existing light fixing, ceiling fan, exhaust fan, wall fan etc with least damage and stacking the same to the place as per the direction of engineer in charge.	Each	15		
41	Repairing the existing light fixing, ceiling fan, exhaust fan etc. with accessories like electronic choke, lamp holder, fan capacitor, inside wire, required painting , down rods and installing in the place as per the direction of engineer in charge.	Each	25		
42	Repairing the existing single arm OT light fixture in the general OT with inside wire, required accessories and installing it in the eye OT as per the direction of engineer in charge.	Each	1		
43	Dismantling of existing PVC / Metal conduits / cassing & capping, switches, switch boards, junction boxes, wires including all accessories in the total floor area and storing in space as directed by Engineer-in-charge	Job	1		
44	Preparation of electrical drawing in the scope of work done in the building for statutory approval, submission of drawings to statutory bodies and obtain approval including energisation. The fees paid to the statutory bodies in the name of client will be reimbursed on production of original receipt.	Job	1		

SI No	Description	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
45	Dismantling and re-installing the Air-conditioning unit including stablizers, suitable replacement of copper refrigarant pipe, drain pipe etc. The item shall include all accessories for the normal working of Air conditioning unit complete.	Job	4		
46	Dismantling the existing Air-conditioning unit including indoor and outdoor units, copper refrigarant pipe, drain pipe, stabiliser etc.and stacking the same to the place as per the direction of engineer in charge	Job	5		
	Total Part II - Electrical works				

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PART III - HVAC Works

Item No	Description of items	Unit	Qty	Rate Rs. (In Figures & Words)	Amount (Rs.)
1	Supply, installation, testing and commissioning of Air Cooled High Wall mounted Split Air Conditioner of following capacity consisting of high wall mounted type room unit (fan coil) with cordless remote control and one number outdoor condensing unit comprising of energy efficient suitable rotary compressor for operation on single phase, 230 V, 50Hz supply, fixing the outdoor unit on a raised platform as per manufacturers recommendation and fixing of room (fan coil) unit on wall, standard 4 m distance refrigerant copper piping with 13mm nitrile rubber insulation, providing and making interconnection between room & condenser as per site conditions, comprising of 1" dia drain PVC pipe with insulation 4m, canvas connections, full electrical cabling from power plug near indoor unit and to outdoor unit, ODU MS stand, first charge refrigerant gas, suitable stabilizer etc complete as required.				
1.1	1.5 TR 5 star rated as per BEE	Nos	5		
2	Supply, installation, testing and commissioning PVC drain pipe of 25mm dia ISI marked, connecting the drain lines from the indoor units to floor sump, with 9mm nitrile rubber insulation as per specification	RM	20		
	TOTAL PART III - HVAC Works				