

FINANCIAL BID

N/W	Conversion of G.F room no. 014 of Admn. Building to OSL dating Lab at IIG Panvel.				
	आईआईजी पनवेल में प्रशासन. इमारत के जी.एफ कमरा नं. 014 का ओएसएल डेटिंग लैब रूपांतरण का कार्य।				
SLNo	Description	Qty	Unit	Rate	Amount
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
1.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	0.4	cum	7878.50	3151
1.2	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	0.4	cum	6518.60	2607
2	Reinforced cement concrete work in beams, suspended foors, 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 with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).	0.35	cum	11505.50	4027
3	Centring and shuttering including strutting, propping etc. and removal of form for				
3.1	Lintels, beams, plinth beams, girders, bressumers and cantilevers	3.5	sqm	736.40	2577
4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
4.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	60	kg	107.85	6471
5	Providing and laying Autoclaved Aerated concrete (AAC) blocks masonry with 150mm/230mm/300 mm thick with Grade-I AAC blocks of density 551 to 650 kg/ cum conforming to IS: 2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	6.5	cum	8333.65	54169

6	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
6.1	Granite stone slab of colour black, Cherry/Ruby red				
6.1.1	Area of slab over 0.50 sqm	2	sqm	5136.30	10273
7	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
7.1	Local hard wood	0.13	cum	83378.05	10839
8	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
8.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	5	sqm	2392.65	11963
9	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	2.5	sqm	106.70	267
10	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.	2	each	983.15	1966
11	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	2	each	854.65	1709
12	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
12.1	250x16 mm	2	each	260.60	521

13	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6 as per BS 1474,(The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). The weight of aluminium extruded section shall be taken for purpose of payment.	50	kg	370.00	18500
14	Providing and fixing aluminium tower bolts, 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 :				
14.1	250x10 mm	3	each	115.15	345
15	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
15.1	Twin rubber stopper	3	each	72.35	217
16	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /aluminium frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately).				
16.1	12mm thick commercial ply conforming to IS : 1328 BWR type	13	sqm	1224.65	15920
17	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.				
17.1	125 mm	3	each	119.20	358
18	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	50	kg	133.70	6685
19	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
19.1	10 x 140 mm	12	each	156.35	1876

20	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer- in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	7.5	sqm	738.65	5540
21	Water proofing of external wall of lab portion by filling crack with Acrylic crack filler and painting with acrylic exterior paint to match existing shade of building followed by damp proof coating of reputed manufacturer.	48	sqm	240.00	11520
22	Applying priming coat with primer of approved brand and manufacture having low VOC (Volatile Organic Compound) content				
22.1	With ready mixed pink or Grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/lit.	25	sqm	70.35	1759
23	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
23.1	Two or more coats on new work	30	sqm	155.90	4677
24	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.	190	sqm	156.05	29650
25	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
25.1	Two coats	120	sqm	137.45	16494
26	Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade :				
26.1	Two or more coats on new work	80	sqm	163.35	13068
27	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	90	sqm	19.75	1778

28	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including making good the same by cement plaster etc. complete as per direction of Engineer-in-charge.	1	each	288.10	288
29	Dismantling wooden trellis work/partition with frames including stacking the serviceable material within 50 metres lead.	30	sqm	64.85	1946
30	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
30.1	Kitchen sink without drain board				
30.1.1	610x510 mm bowl depth 200 mm	1	each	4940.80	4941
31	Providing and fixing soil, waste and vent pipes :				
31.1	75 mm diameter :				
31.1.1	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	3.3	metre	1186.00	3914
32	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
32.1	Flexible pipe, 40 mm dia	1	each	119.55	120
33	Providing and fixing plain bend of required degree.				
33.1	75 mm dia, Sand cast iron S&S as per IS - 3989,	1	each	390.50	391
34	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
34.1	100 mm inlet and 75 mm outlet				
34.1.1	Sand cast iron S&S as per IS - 3989	1	each	1975.15	1975
35	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.				
35.1	Internal work - Exposed on wall				
35.1.1	20 mm nominal dia Pipes	20	metre	335.00	6700
36	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
36.1	15 mm nominal bore	1	each	798.95	799
37	Providing and fixing PTMT grating of approved quality and colour.				

37.1	Rectangular type with openable circular lid				
37.1.1	150 mm nominal size square 100 mm diameter of the inner hinged round grating	1	each	196.95	197
38	Making hole up to 20x20 cm and embedding pipes up to 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement : 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) including disposal of malba.	1	each	209.20	209
39	Providing and plastering with premixed polymerized readymade cement mortar of approved brand / make, manufactured in automated dry mix batching plant where Cement, sand and polymer additive are mixed in pre-determined ratio (as per manufacturer specification). In one coat. 6 to 7 liter potable water (as per manufacturer specification) shall be added to 40 kg of ready-mix dry mortar on mortar mixing G.I tray and shall be mixed well for 4-5 minutes. The mortar shall be left undisturbed for 3-5 minutes to dissolve additive and shall be mixed once again to form cohesive and consistent mix.				
39.1	15 mm average thickness	100	sqm	642.15	64215
40	Providing and installing one number gas pipe line from N2 cylinder out side the window to inside the lab with leak-proof on/off knobs at inlet and outlet of the pipe, by drilling holes at walls and chajjas with proper clamping etc. complete.	1	job	7500.00	7500.00
41	Fixing metallic clamps/support (with chain) on the wall at outside shed to tie the N2 cylinder.	1	job	1000.00	1000
42	Providing and applying Chemical Resistant Epoxy Flooring over exiting kota stone /tiles/ CC flooring by two part, rigid, 100 % solids, coloured high build epoxy resin based protective coating like Sikagard®-62 or equivalent. Mixing proportion and thickness as per recommendation of manufacturer.	40	sqm	1950.00	78000
	FURNITURE WORK				
A. 1	Storage Cupboard				

	<p>Providing, manufacturing and placing in position wooden storage made using commercial grade plywood confirming to IS:1328 BWR type. Top, bottom and sides made of 19mm thick plywood, back will be 12mm thick. All internal sides to be covered with 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Storage to have 75mm high skirting. Shutters to glide on auto closing hinges Hafele or equivalent or equivalent make. Lock and S.S handles to be provided. Two number shelves to be fixed on S.S shelf buttons. All as per architectural drawing and as per direction of IIG authority. Size:-1050mm wide x600mm deep x1650mm high.</p>	1	each	36125.00	36125
A. 2	Table and drawer pedestal (8x3x2.5)ft.				
	<p>Providing, manufacturing and placing in position wooden table made using commercial grade plywood confirming to IS:1328 BWR type. Top and sides will be 50mm thick, made using 19mm thick plywood, apron will be 19mm thick. Table to be provided with 3drawer free standing pedestal, sides top and bottom made using 19mm thick laminated plywood. All internal sides to be covered with 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Pedestals to have 75mm high skirting. Drawers to glide on telescopic drawer channels Hafele or equivalent make. Lock and S.S handles to be provided. All as per architectural drawing and as per direction of IIG authority. Table size:- 2400mm wide x900mm deep x750mm high. Pedestal size:-400mm wide x600mm deep x700mm high.</p>	1	each	64260.00	64260
A. 3	Over head storage				

	Providing, manufacturing and placing in position wooden storage made using commercial grade plywood confirming to IS:1328 BWR type. Top, bottom and sides made using 19mm thick plywood, back will be 12mm thick. All internal sides to be covered with 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Shutters to glide on auto closing hinges Hafele or equivalent make. Lock and S.S handles to be provided. One number shelf to be fixed on S.S shelf buttons. All as per architectural drawing and as per direction of IIG authority. Overhead storage size :- 2400mm wide x350mm deep x800mm high.	1	each	38675.00	38675
A. 4	Table and drawer pedestal (3x3x2.5)ft.				
	Providing, manufacturing and placing in position wooden table made using commercial grade plywood confirming to IS:1328 BWR type. Top and sides will be 50mm thick, made with 19mm thick plywood, apron will be of 19mm thick. Table to be provided with 3 drawer free standing pedestal, sides top and bottom made using 19mm thick laminated plywood. All internal sides to be covered 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Pedestals to have 75mm high skirting. Drawers to glide on telescopic drawer channels Hafele or equivalent make Lock and S.S handles to be provided. All as per architectural drawing and as per direction of IIG authority. Table size:-900mm wide x900mm deep x750mm high. Pedestal size:-300mm wide x600mm deep x700mm high.	2	each	24225.00	48450
A. 5	Strong wooden table				

	<p>Providing, manufacturing and placing in position wooden table with drawers made using commercial grade plywood confirming to IS:1328 BWR type. Top will be on hard wood frame work of 75x50 mm section and legs will be of 75x75 mm section, covered by 19mm thick plywood, back will be 12mm thick. Table to be provided with 3 drawer made using 12mm thick laminated plywood. All internal sides to be covered 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Unit to have 75mm high skirting. Drawers to glide on heavy duty telescopic drawer channels Hafele or equivalent make. Lock and S.S handles to be provided. All as per architectural drawing and as per direction of IIG authority. Table size:-900mm wide x900mm deep x750mm high.</p>	2	each	28220.00	56440
B.1	PIGEON HOLE STORAGE				
	<p>Providing, manufacturing and placing in position wooden storage with 15 numbers pigeon hole with individual shutter and locking system made using commercial grade plywood confirming to IS:1328 BWR type. Top and sides will be 19mm thick, back will be 12mm thick laminated plywood. Storage shutters will be 19mm thick plywood and glide on auto closing hinges Hafele or equivalent make. All shutters will have handle/knob with separate locking system. 75mm high skirting to be provided. All internal sides to be covered 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. All as per architectural drawing and as per direction of IIG authority. Storage overall size:-1050mm wide x600mm deep x1650mm high.</p>	1	each	42925.00	42925
B. 3	Table and drawer pedestal (6x3x2.5) ft.				

	<p>Providing, manufacturing and placing in position wooden table made using commercial grade plywood confirming to IS:1328 BWR type. Top and sides will be 50mm thick, made using 19mm thick plywood, apron will be 19mm thick. Table to be provided with 3 drawer free standing pedestal, sides top and bottom made using 19mm thick laminated plywood. All internal sides to be covered with 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Pedestals to have 75mm high skirting. Drawers to glide on telescopic drawer channels Hafele or equivalent make. Lock and S.S handles to be provided. All as per architectural drawing and as per direction of IIG authority. Table size:-1800mm wide x900mm deep x750mm high. Pedestal size:-400mm wide x600mm deep x700mm high.</p>	1	each	44180.00	44180
B. 4	Table and drawer pedestal (4x3x2.5)ft.				
	<p>Providing, manufacturing and placing in position wooden table made using commercial grade plywood confirming to IS:1328 BWR type. Top will be on hard wood frame work of 75x50 mm section and legs will be of 75x75 mm section, covered by 19mm thick plywood, apron will be 19mm thick. Table to be provided with 3 drawer free standing pedestal, sides top and bottom made using 19mm thick laminated plywood. All internal sides to be covered 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Pedestals to have 75mm high skirting. Drawers to glide on telescopic drawer channels Hafele or equivalent make. Lock and S.S handles to be provided. All as per architectural drawing and as per direction of IIG authority. Table size:-1200mm wide x900mm deep x750mm high. Pedestal size:-400mm wide x600mm deep x700mm high.</p>	1	each	29540.00	29540
B.5	Table and drawer pedestal (3x3x2.5)ft.				

	<p>Providing, manufacturing and placing in position wooden table made using commercial grade plywood confirming to IS:1328 BWR type. Top and sides will be 50mm thick, made using 19mm thick plywood, apron will be 19mm thick. Table to be provided with 3 drawer free standing pedestal ,sides top and bottom made using 19mm thick laminated plywood. All internal sides to be covered with 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Pedestals to have 75mm high skirting. Drawers to glide on telescopic drawer channels Hafele or equivalent make. Lock and S.S handles to be provided. All as per architectural drawing and as per direction of IIG authority. Table size:-900mm wide x900mm deep x750mm high. Pedestal size:-300mm wide x600mm deep x700mm high.</p>	1	each	24225.00	24225
C. 2	Table and drawer pedestal				
	<p>Providing, manufacturing and placing in position wooden table made using commercial grade plywood confirming to IS:1328 BWR type. Top and sides will be 50mmthick, made with 19mm thick plywood, apron will be 19mm thick. Table to be provided with 3 drawer free standing pedestal, sides top and bottom made using 19mm thick laminated plywood. All internal sides to be covered with 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Pedestals to have 75mm high skirting. Drawers to glide on telescopic drawer channels of Hafele or equivalent make. Lock and S.S handles to be provided. All as per architectural drawing and as per direction of IIG authority. Table size:-2400mm wide x900mm deep x750mm high. Pedestal size:-300mm wide x600mm deep x700mm high.</p>	1	each	75110.00	75110
C. 3	Over head storage				

	Providing, manufacturing and placing in position wooden storage made using commercial grade plywood confirming to IS:1328 BWR type. Top, bottom and sides made of 19mm thick plywood, back will be 12mm thick. All internal sides to be covered with 1mm thick balancing shade white laminate. All external sides to be covered with 1mm thick SF laminate of approved shade. All exposed edges to be covered with matching shade PVC edge banding. Shutters to glide on auto closing hinges Hafele or equivalent make. Lock and S.S handles to be provided. One number shelf to be fixed on S.S shelf buttons. All as per architectural drawing and as per direction of IIG authority. Overhead storage:- 2400mm wide x350mm deep x800mm high.	1	each	38675.00	38675
	Total =				909727
	Add Cost Index @15% on SR&DR Items = i.e on Rs.	2,60,407			39061
	Total "A" =				9,48,788
	"B" Electrical Installation				
E-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.				
1.1	Group C	35	Pts.	800.00	28000
E-2	1.55 Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.				
2.1	Group C	10	Pts.	500.00	5000
E-3	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.				
3.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	60	Metre	100.00	6000
E-4	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.				
4.1	20 mm	50	Metre	80.00	4000
4.2	25 mm	75	Metre	100.00	7500

4.3	32 mm	70	Metre	120.00	8400
E-5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 1.17.1				
5.1	3 x 4 sq. mm	120	Metre	200.00	24000
5.2	6 x 4 sq. mm	60	Metre	220.00	13,200
5.3	3 x 6 sq. mm	40	Metre	250.00	10,000
5.4	6 x 6 sq. mm	30	Metre	400.00	12,000
E-6	Supplying and fixing suitable size Modular PVC gang box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	8	Nos.	250.00	2000
E-7	Supplying and fixing following size/ modules, Modular PVC gang box alongwith modular base & cover plate for modular switches in recess etc. as required.				
7.1	8 Module (125mmX125mm)	15	Nos.	300.00	4500
E-8	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
8.1	5/6 A switch	15	Nos.	70.00	1050
8.2	15/16 A switch	15	Nos.	156.00	2340
8.3	5 pin 5/6 A socket outlet	20	Nos.	122.00	2440
8.4	6 pin 15/16 A socket outlet	15	Nos.	197.00	2955
E-9	Supplying & fixing suitable size Modular PVC gang box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	6	Nos.	500.00	3000
E-10	Supplying, installation, testing and commissioning of 400 mm sweep, swing type wall mounted fan with thermal overload protection , air delivery not less than 105 cum/min with minimum 2100 rpm rated speed, pull cord control for speed and oscillation. On, Off with complete connections etc. as required.	4	Nos.	3000.00	12000
E-11	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPMCB, 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. (AC sockets modular PVC with MCB	3	Nos.	2500.00	7500

E-12	Supplying and fixing of 20 W (approx 4 feet length) LED Batten fitting emitting red light with energy efficiency of minimum 100 lm/watt and having housing made of extruded aluminium with CRI> 0.80. The operating voltage range should be 150-270V AC with all accessories complete with connection etc as required.	8	Nos.	300.00	2400
E-13	Supplying and fixing of 20 W (approx 4 feet length) LED Batten fitting with energy efficiency of minimum 100 lm/watt and having housing made of extruded aluminium with CCT-6500K and CRI> 0.80. The operating voltage range should be 150-270V AC with all accessories complete with connection etc as required.	4	Nos.	300.00	1200
E-14	Supply & Fixing of clean agent FE 36 (Dupont) Modular Automatic Fire Detection system with Alarm, range 68 degree filled with FE 36 (Dupont) clean agent environ mental friendly gas approved by NFPA and listed under the Toxic substance control Act (TSCA) and the European list of new chemical substances(EC-nr. 425-320-1) with UL listed.	1	No.	20000.00	20000
E-15	Supplying, installation, testing and commissioning of 6 kg ABC fire Extinguishers	2	Nos.	4200.00	8400
E-16	Supplying, installation, testing and commissioning of 4.5 kg Carbon Di-oxide Type Fire Extinguisher.	2	Nos.	12004.00	24008
E-17	Supplying of multisensor type Detectors UL/ULC/FM approved with interchangeable base and built in LED flushing to indicate healthy condition of detector complete as required.	4	Nos.	1977.00	7908
E-18	Supplying, installation, testing & commissioning of manual call boxes of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required.	1	No.	300.00	300
E-19	Supplying, installation, testing & commissioning fire alarm sounder with facility to make announcement, mounted in M.S. box (16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required.	1	No.	557.00	557
E-20	Supply of 02 Zone main control panel for following zone recess/ surface mounting type with dual lamps having indication with a built in speaker unit suitable for operation ion Main AC & backup battery DC supply and suitable locking arrangement.	1	No.	12000.00	12000

E-21	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.	60	Meter	100.00	6000
E-22	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, 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)				
E-22.1	6 way , Double door	1	No.	2206.00	2206
E-23	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
23.1	12 way	1	No.	8000.00	8000
E-24	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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.				
24.1	Single pole	20	Nos.	256.00	5120
24.2	Double pole	1	No.	656.00	656
24.3	Triple pole and neutral	4	Nos.	1228.00	4912
E-25	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
25.1	125 A, 16 KA,TPMCCB	1	No.	4821.00	4821
E-26	Supplying & laying of following size PVC insulated and PVC seathed XLPE aluminium armoured cable of 1.1 KV as per IS 7098 (Pt. 1) in the existing RCC/HUME/Metal/ dwc pipe/ on wall etc. complete.	50	Meter	400.00	20000
E-27	Supplying & laying of following size DWC/HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. confirming to IS 14930, Part II complete with fittings and cutting, jointing etc. on wall surface complete as required.				
27.1	63 mm dia (OD 63 mm & ID 51 mm nominal)	35	Mts.	76.00	2660

E-28	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1	No.	6855.00	6855
E-29	Supplying, installation, testing and commissioning Two Ton 5 Star AI Split AC with Flexi cool inverter Technology, Refrigerant Type: R32 Noise Level: 38 dB (indoor unit), Variable speed compressor 700 CFM Air Flow, Insta Cool for faster cooling, 100% Copper Condenser Coil with Aqua Clear Protection Hydro Blue Coating for durability, Auto Cleanser, 4 Fan Speeds, Stabiliser Free Operation (135-280V), Dehumidification, Remote Control with 2 way Air Directional Control Manufacturer warranty: 1 year on product, 5 Year on PCB, 10 years on compressor;	3	No.	57000.00	171000
	Total =				464888
	Add GST @18%				83680
	Total "B" =				5,48,568
	Grand Total "A" + "B" =				14,97,356
	(Rs.Fourteen Lakh Ninty Seven Thousand Three Hundred Fifty Six Only)				

Add _____ % Above / _____ % Bellow the Estimated cost

Tendered Cost (including GST) = Rs.

Name, Sign and Seal of the Agency