The Oriental Insurance Company Ltd. A-25/27, Asaf Ali Road,, New Delhi -110002

Tender Documents

NAME OF WORK: <u>ADDITIONS</u> AND <u>ALTERATIONS</u>

INVOLVING CIVIL AND INTERIOR

WORKS OF AT FIRST FLOOR

<u>AT</u>

ORIENTAL HOUSE, A-25/27, ASAF ALI ROAD, NEW DELHI

Lead Consultants: Vastu Mandal

Architects & Interior Designers

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PART -II

FINANCIAL BID

SECTION V SCHEDULE OF QUANTITIES

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|--------|---------------------|------|-----|------------------|-------------------|------------|
| | | | | | | |

- Rates are for working at all heights including cost of centering shuttering and scaffolding unless other wise mentioned
- ii All internal woodworks including inner surface of plywood shall be treated with anti termite wood preservative against borer pestsand white ants.Al internal frame works shall be sal wood unless otherwise specified. All exposed edges of plywood/blockboard shall be fixed with 3mm teak wood lipping OR as specified. All ply wood and block board shall be first quality BWR grade of plywood bonded with synthetic resin adhesive (phenol bonded)as per IS 303/AA grade and IS 1659 respectively.
- iii Where ever basic prices are given they shall be inclusive of all taxes ex-Godown /Shop in Delhi NCR

SECTION -A

1.0 DISMANTLING

1.1 Dismantling extisting tile /stone slab including the cement mortar underneath including disposal of unserviceable material to all leads and lifts

sqm 80

1.2 Dismantling wooden/ aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material to all leads and lifts and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge

sqm 25

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|--------|---------------------|------|-----|------------------|-------------------|------------|
| | | | | | | |

2.0 CIVIL WORKS

2.1 Providing and laying cement concrete in retaining walls, return walls,walls (any thickness) including attached pilasters, columns, piers,abutments, pillars, posts, struts, buttresses, string or lacing courses,parapets, coping, bed blocks, anchor blocks, plain window sills, fillets,sunken floor,etc., up to floor five level, excluding the cost of centering,shuttering and finishing:

1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) cum

2.2 Providing and laying digital /glazed/ polished vitrified floor tiles in different sizes of approved make in all colours and shades, lin flooring, treads of steps and landings etc laid on a bed of 12 mm thick cement mortar 1:3 jointing (1 cement: 3 Coarse sand) with cement mixed with

materials in all leads and lifts.

a 600 X 600 mm polished premium vitified (Kajaria or Equivalent with basic price Rs 750/- per sqm

pigment to match the shade of tiles including carriage of

sqm 75

3

b Extra on above for providing 3mm groove using pvc spacers and grouting the joints with Kajaria premium unsanded grout in approved colour

sqm 75

3.0 FALSE CEILING

3.10a Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS: 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clins made out of

| S. N | o. Description of | Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|------|-------------------|------|------|-----|------------------|-------------------|------------|
| | | | | | | | |

including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with:

12.5 mm thick tapered edge gypsum moisture resistant board sqm 25

3.10b Repairs to the exsting false ceiling with

i New gypsum board on existing frame sqm 40

ii New gypsum board on new frame as per 3.10a (Area of ceiling less than 2 sqm) sqm 10

4.0 PARTITIONS / WALL PANELLING

4.1 Full Height Solid Partition - Wiith Both Sides Laminate

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) | ĺ |
|--------|---------------------|------|-----|------------------|-------------------|------------|---|
| | | | | | | | l |

Providing and fixing partition, framing out of soft wood section 2" x 2" @ 2'0" C/C minimum, both ways horizontally and vertically. The framing shall be finished with 8 mm thk. Commercial ply on both side fixied with adhesive and nails, 1.00 mm thk. approved shade Laminate shall be fixed on both sides of ply with adhesive. Provide 4" high skirting out of 1.00 mm thk. metallic shade laminate to be fixed as per drawing and direction. Rate shall be inclusive of necessary hardware items, grooves etc.(measurment for partition to be done from finished floor upto ceiling plus 75 mm excluding the area of door/ window opening including frame)..(Base price of Premium Range Laminate Rs 350/ Sqm)

Sqm

n 20

4.2 Low Height Partition

Providing and fixing partition, framing out of Soft wood Section 2" x 2" @ 20" C/C minimum, both ways horizontally and vertically. The framing shall be finished with 8 mm thk. Commercial ply on both side 1.00 mm thk. approved shade **Premium range Laminate** shall be fixed from both sides of ply. Provide 4" high skirting in out of 1.00 mm thk. metallic shade laminate to fixed as per drawing and direction. Edging out of 3'X 3/4" Steam Beech on top and exposed sides with PU polish. Ra shall be inclusive of necessary hardware items, etc. Net area of the partition to be measured .(Base price of Premium Range Laminate Rs 350/ Sqm)

Sqm 35

4.3 Wall Paneling

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|------------|--|------------|------|------------------|-------------------|------------|
| | | | | | | |
| | Providing and fixing panelling on wall. Framing shall consist of soft wood section 2" x 1" @ 2'0" C/C minimum,bothways horizontally and vertically on the wall. This framing would be covered by 8mm thk. Ply finished in approved 1.0 mm. Thk. Premium range laminate and 4" high mettalic laminate skirting, and strip at top. Wooden, steam beech, moulding, lipping etc. as directed by architect shall be provided wherever required. Complete as per drawing and directions. | | | | | |
| | LAMINATE CLADDING- P/F 1mm thick laminate on an existing Plywood surface. Base cost of Laminate Rs. 350/- per sa mt | Sqm | 5 | | | |
| | COMMERCIAL PLY CLADDING- P/F 4mm thick commercial ply on an existing Plywood surface/ Wooden shutters including removing and refixing the same. | SQM SQM | 20 | | | |
| | P/F toughened glass panels 12 mm thk. Glass panels fixed in the floor in 12 mm Al. U channel and in Gypsum Ceiling / partition cutouts without any frame and in the paritions as per drawing / detail. Glass-to-glass joints shall have grinded & clear edge polishing with silicon sealant on all edges/ joints. The cost of wood to be taken seperately | | 8 | | | |
| . 0 | DOOR /WINDOWS | | | | | |
| | Providing and fixing first first quality wood door frame of sizes $125x\ 62mm\ /\ 75\ x\ 50\ mm$ or any other size with $12\ mm$ rebate/ without rebate for door shutter including superior grade melamine polishing etc. The base & side touching the floor/ partition to be applied with antitermite treatment. The rate shall be inclusive of fixing necessary hardware for fixing the frame to partition / walls etc. The rate are for following wood types : | | | | | |
| (a) | First Quality Champ wood | cum | 0.05 | | | |

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|--------|---------------------|------|-----|------------------|-----------------|------------|
| | | | | | | |

5.2 Providing and fixing 40 mm thick TW/steam beach wood glazed door shutter having 150 wide styles, top rail & 200 mm wide bottom rail and glazed with 6 mm thick clear float glass panel fixed with 18 x 18 mm wood beading in the following wood :

Rate is inclusive of melamine spray polish The doors will have best quality 4 Nos 4" long SS hinges, SS finished double legged foot operated door stays, Polyvinyl door stopper fixed to skirting, SS finish tubular handle & mortice lock of Dorset make- model SDORSS(SS finish) with Rose and Handle seperate. Shutter Size: upto 1000 x 2200.

(a) Using Beech wood

Nos

6.0 STORAGES

6.1 STORAGE CABINET Providing and Fixing Out of 19mm Commecial Ply Board finished using 1mm thick laminate. Base cost of laminate to be taken as Rs. 350/ sq. mt. complete with all hinges, and hardware from Hettich or equivalent. Each Cabinets shall have adjustable shelves at spacing of 400 mm. The storage width shall be maximum of 800 mm. All internal surfaces including shelves etc to be completed using balancing white laminate. Including Kich make AIAI 316 grade 96 mm long 12 mm dia for each shutter.. The depth of storage shall be upto 450 mm.

SQM 5

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|--------|--|--------------|-----|------------------|-----------------|------------|
| | | | | | | |
| | | | | | | |
| 7.2 | Providing following tables out 3/4" commercial board of | | | | | |
| | approved make. and 1.5mm thick laminate top of | | | | | |
| | approved shade and make (Base cost of laminate top to | | | | | |
| | be taken as Rs. 400/ sq. mt). Sides out of 3/4" comercial | | | | | |
| | board and bck out of 1/4" commercial ply. All visible front | | | | | |
| | and side to have 1.0 mm laminate of approved shade | | | | | |
| | (Base cost of 1.0mm laminate to be taken as Rs. 350/ | | | | | |
| | sq. mt), and with 4" high mettalic laminate, as per | | | | | |
| | sample. Inside surfaces of drawers /storage to have | | | | | |
| | white laminate 0.8 mm thick. Commercial board to have | | | | | |
| | hot pressed PVC edging. All hardware of approved make. Ready made metal keyboard drawer of approved | | | | | |
| | make. Three drawer of different sizes with " metabox " | | | | | |
| | sides, of approved make. Three drawers to have single | | | | | |
| | locking mechanism. Handles out of SS, of approved | | | | | |
| | make, as per approved sample. Including providing and | | | | | |
| | fixing cable managers. Complete as per drawing and | | | | | |
| | directions. | | | | | |
| | | | | | | |
| b | Chief Manager (T3) (as per drawing, 6'-3" x 2'-6" , ST 3'-3"x 1'-4 1/2" Manager Table (T1) 5'- 0" X 2'-6". ST 3'-0" x 1'-4 1/2" Dy Mgr Table (T2) as per drawing, 4'6"-x 2'-3" ,side table 2'-9" X 1'-41/2" | Nos. Nos. | 1 3 | | | |
| 8.0 | MISCELLANEOUS | | | | | |
| 0.4 | Draviding and fiving pipus boards It assist 1/7 ft | | | | | |
| 8.1 | Providing and fixing pinup boards. It consist ½" soft boards of good density to be mounted over ½" ply. The | | | | | |
| | soft board will be covered with a plain fabric (appox | | | | | |
| | Rs.150 /Rmts.) from front and edges. Suitable moulding | | | | | |
| | (as directed by architect) will be fixed on all four sides | | | | | |
| | and will be finished in polish. | | | | | |
| | · | Sqm | 5 | | | |
| | | | | | | |
| 9.0 | PAINTING AND POLISHING | | | | | |
| | | | | | | |
| | | | | | | |
| 9.1 | Painting with silicon & acrylic emulsion based water | | | | | |
| | thinnable sealer of approved brand and manufacture on | | | | | |
| | wet or patchy portion of plastered surfaces | | | | | |
| | | | | | | |

25

sqm

One coat

| | I n | | ٠ | D . (D) E: | In | I |
|--------------|--|------|-----|------------------|-------------------|------------|
| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
| | | | | | | |
| 9.2 | Wall painting with plastic emulsion paint (roller finish) of | • | • | | | |
| | approved brand and manufacture to give an even shade | | | | | |
| | | | | | | |
| а | One or more coats on old work | sqm | 160 | | | |
| b | One or more coats on new work | sqm | 50 | | | |
| 9.3 | Painting with synthetic enamel paint of approved brand | | | | | |
| | and manufacture to give an even shade: | | | | | |
| а | One or more coats on old work. | sqm | 25 | | | |
| | ELECTRICALS | | | | | |
| 11.0 11.1 | MAIN LT PANEL /DBs/MCBc | | | | | |
| | MAIN ET LANEE/DBS/MOBC | | | | | |
| 11.1.1 | S & I of 20A, metal clad 3 pin socket with plug top along | | | | | |
| | with 1no. 20A, SP, MCB, all housed in sheet metal powder coated 20 A DP MCB box for giving supply to | | | | | |
| | A/C machines & vaults | | | | | |
| | | Nos. | 1 | | | |
| 11 2 | CABELS / MAINS | | | | | |
| | S & I of 1100V grade armoured cable having sector / | | | | | |
| | circular shaped aluminium / copper conductor PVC | | | | | |
| | insulated cores, laid up, PVC tape wrappe d inner | | | | | |
| | sheathed, GI strip / wire armoured and overall extruded PVC sheathed confirming to IS: 1554, laid on wall | | | | | |
| 11.2.1.3 | 4C x 10 Sq.mm Copper | mtr. | 5 | | | |
| | то х то очини соррог | mu. | 3 | | | |
| | WIRING | | | | | |
| 11.3.1 | Supply & Installation of concealed point wiring using 600v grade 2.5 sqmm copper conductor PVC insulated | | | | | |
| | wires (with proper R,Y,B color code) pulled through | | | | | |
| | haevy gauge PVC conduits laid concealed over false | | | | | |
| | ceiling or in wall chases including circuit wiring from the | | | | | |
| | relevant DB and also including 2.5 Sq.mm Green Colour Copper earth wire and provision of grid plate type (| | | | | |
| | ROMA) switches and sockets or as approved by | | | | | |
| | Architect. Each circuit feeding not more than 8 points / | | | | | |
| | 800 W as per the following configuration. | | | | | |
| 11.3.1.1 | Primary light points including the cost of 5A switch | Pts | 5 | | | |
| | Secondary light points looped from the above point | Pts | 5 | | | |
| | 5A plug point as primary point | Pts | 3 | | | |
| 11.3.1.4 | Secondary 5A Plug point on switch board | Pts | 3 | | | |

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|----------|--|------------|-----|------------------|-------------------|------------|
| | | | | | | |
| 11.3.1.5 | I 15A Plug Point directly taken from DB for | | | | <u> </u> | |
| | hotplate/geyser / zerox /drinking water point / fridge etc | | | | | |
| 11.3.1.6 | Exhaust fan point consisting of 5A socket near fan and | Pts Pts | 1 | | | |
| 11.3.2 | S & I of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X 2.5 Sqmm Cu., PVC sheathed white color flexible cable pulled through already laid floor raceways and taken upto table top using PVC rigid or flexible conduit run within wooden or metal partitions. Each point consisting of 3 Nos of 2 / 3 Pin sockets and 1 No 15A switch, wired together forming one point. Switches and sockets to be (ROMA). Earth wire to be of Green colour only. (Only 2 tables served by one circuit from UPS DB) Cost is inclusive of necessary cutting the walls and including PVC Pipe required for taking the wires. | | | | | |
| 11.3.3 | S & I of points similar to above but to be used as raw power point on the tables consisting of one 5/15A socket with switch of other color and flexible cable of black color & circuit taken from LIghting DB (2 tables served by one circuit from LDB/PDB) Taken through Raceways. | Pts | 10 | | | |
| | | Pts | 10 |) | | |
| | FLOOR -RACE WAYS: S & I of floor - raceways consisting of 2 Nos of 80 mm x 40 mm x2mm thick rectangular aluminium anodized pipes including chasing and refilling as per the route shown in the drawing and as approved by consultant at | | | | | |
| 11.4.2 | site S & I of galvanised floor junction boxes for above mentioned raceways, of size 200mm x 200mm x2.0 mm thick, fabricated out of 2.0 mm thick G.I. sheet with proper cutouts on the sides for pipe entry & screwed top cover with rubber gasket | Mtr | 10 |) | | |
| | | Nos. | 5 | ; | | |
| | LIGHTING FIXTURES(Philips/Wipro/Bajaj/Decon) S & I of lighting fixtures as per the details given below including necessary hardware such as , clamps,nuts, bolts, nails, screws and suspension chains and Lamps etc as required for fixing the fixtures in position | | | | | |
| | in position as directed by architect / Consultant. | | | | | |

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|----------|--|-------------|----------|------------------|-------------------|------------|
| | | | | | | |
| 11.5.1.1 | 600 X 600 , LED - CRCO10 R038HP57- (Wipro) | Nos. | 1 | l | | |
| 11.5.1.2 | 325 X 325 , LED - CRCO17 R013HP57- (Wipro) | Nos. | 4 | | | |
| 11.5.1.3 | 250mm dia wall mounted exhaust fan of decorative | | | | | |
| | plastic body and blade with louvers on the outside (Newtek/Cromton/Approved Equivalent) | Nos. | 1 | | | |
| 11.6 | EARTHING | | | | | |
| 11.8.1 | WIRING FOR DATA AND VOICE OUTLETS Supply and fixing the following sizes of PVC medium grade ISI marked conduits (IS: 9537 Part-III) complete with accessories such as bends, junction boxes, pull boxes etc., in recess or on surface including cutting chases in the walls/floors and making good the same complete as required. | | | | | |
| | 25 mm dia 2.0mm wall thickness 32 mm dia 2.0mm wall thickness | mts mtr. | 50 25 | | | |
| | Providing and laying Cat 6 cable (Make: Systimax) for data in existing conduits and providing & terminating with RJ-45 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with RJ-45 connector including numbering with ferule | | | | | |
| | RJ-45 for data points Providing and laying Cat 6 cable (Make: D-Link) for voice in existing conduits for voice and providing & terminating with RJ-11 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminate the other end with RJ-11 connector or on a Crone module with numbering of each cable with Ferule | | 12 | | | |
| 11.8.3 | RJ-11 for Voice Providing, laying and connecting PVC insulated copper telephone cable of following sizes including termination in approved manner. | points | 12 | | | |

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|--------|---------------------|------|-----|------------------|-------------------|------------|
| | | | | | | |
| а | 20-pair | mtr. | 10 | | | |

13.0 AIRCONDITIONING

NOTE

- a All items of work under this Contract shall be executed strictly to fulfill the requirements laid down under "Basis of Design" in the specifications. Type of equipment, material specification, methods of installation and testing and type of control shall be in accordance with the specifications, approved shop drawings and the relevant Indian Standards, however capacity of each component and their quantities shall be such as to fulfill the above mentioned requirement.
- b The unit rate for all equipment or materials shall include cost in RUPEES for equipment and materials including all taxes and duties and also including forwarding, freight, insurance and transport into Contractor's store at site, storage, installation, testing, balancing, commissioning and other works as required.
- c The rate for each item of work included in the Bill of Quantities shall unless expressly stated otherwise, shall include cost of:
- All materials, fixing materials, accessories, appliances, tools, plants, equipment, transport, labour and incidentals required in preparation for and in the full and entire execution, testing, balancing, commissioning and completion of work as per BOQ, Specifications and Drawings.
- Wastage on materials and labour.
- Loading, transporting, unloading, handling/double handling, hoisting to all levels, setting, fitting and fixing in position, protecting, disposal of debris and all other labour necessary for the full and entire execution.
- Liabilities, obligations and risks arising out of Conditions of Contract.
- All requirements of Specifications, whether such requirements are mentioned in the item or not. The Specifications and Drawings where available, are to be read as complimentary to and part of the Bill of Quantities and any work called for in one shall be taken as required for all.

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) | |
|--------|---------------------|------|-----|------------------|-------------------|------------|--|
| | | | | | | | |

- In the event of conflict between Bill of Items and other documents including the Specifications, the most stringent shall apply. The interpretation of the Architect / Owner shall be final and binding.
- d This Schedule shall be fully priced
- e No alteration whatsoever is to be made to the text or quantities of this Schedule unless such alteration is authorized in writing by the Architect / Owner. Any such alterations, notes or additions shall unless authorized in writing be disregarded when tender documents are considered.
- f In the event of an error occurring in the amount of the Schedule as a result of wrong extension of the unit rate and quantity, the unit rate quoted by the bidder shall be regarded as firm and the extensions shall be amended on the basis of rates.
- g The Contractor shall procure and bring Material/Equipment to the site only on the basis of drawings approved for construction and shop drawings and not on the basis of Bill of Quantities, which are approximate only. This also applies to the Contractor's requisition for Owner supplied materials.
- h All Control cabling & wiring required to make the system complete shall be treated as part of equipment, panels etc. and nothing extra shall be payable on this account.
- i Rmt shall mean distance between the indoor and outdoor unit measured along the route of refrigerant piping irrespective of number of refrigerant circuits

13.1 Supply, Installation, Testing and Commissioning of Air-cooled Hi wall Type Split Unit comprising of:

- 1 x Indoor Unit of Nominal Capacity as shown below complete with filters, evporator cooling coil, fan with motor & drive arrangement, power & control componets with wiring.
- 1 x air cooled condensing unit of nominal capacity complete with hermetically sealed rotary compressor(s), multi row deep air cooled condenser coil, condenser fan with motor & drive, controls, power & control componets with wiring, as required.

Hi wall split /Casette type split shall be energy efficient of **BEE Label 3 Star rating**

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) | |
|--------|---------------------|------|-----|------------------|-------------------|------------|--|
| | | | | | | | |

Standard Installation of above split AC units including fixing copper refrigerant piping with fittings, nitrile rubber insulation & wiring for each compressor to interconnect the condensing units with the indoor units including gas charging, testing & commissioning (copper refrigerant piping, insulation and wiring shall be paid extra)

Initial charge of refrigerant and oil.

Electronic remote control unit

Refrigerant: R-22 / manufacturer recommended

MS Angle Iron Stands and vibration isolation for mounting the outdoor units. The stands shall be painted with 2 coats of red oxide primer and 2 coats of synthetic enamel paint.

Supply, installation, testing & commissioning of Voltage Stabliser of approved make installed as per specified location complete with its weather protection arrangement Specified Model V Guard

Power Supply: Single Point Power Supply within 1 metre of outdoor unit, Single Phase, 50 Hz, 3 wire

Cost shall be inclusive of minor masonary work e.g. making openings in walls and slabs for passing pipes, cables, etc. and finally sealing and finishing them

good. (Specified Make Voltas)

Capacity 1.0 TR (High Wall Split Airconditioner)

Nos 1

13.2 Supply and fixing copper refrigerant piping with fittings, nitrile rubber insulation & wiring to interconnect the condensing units with the indoor units including gas charging, testing & commissioning. Rmt shall mean distance between the indoor unit and outdoor unit measured along the route of the refrigerant piping irrespective of number of refrigeration circuits. Specified make RAJCO

For 1.0TR Hi Wall splits Rmt 8

13.3 uPVC High Pressure Drain Water Piping of 10KGF complete with fittings (elbows, tees, reducers, sockets etc.), supports, jointing, nitrile rubber insulation etc. and any other item required to make the system complete. Nominal Diameters in mm as indicated below (Specified Make Supreme):

25 (For High Wall split Units) Rmt 10

| S. No. | Description of Item | Unit | Qty | Rate(Rs) Figures | Rate (Rs) Words | Amount(Rs) |
|--------|---|------|-----|------------------|-------------------|------------|
| | | | | | | |
| | Total SECTION -A Carried over to Summary of | | | | | |
| | Quotation | | | | | |
| | | | | | | |
| | SECTION -B | | | | | |
| 7 | Buy back (Amount Payable to Owner) | | | | | |
| i | Buy back of existing partitions / wooden as per Section A | | | | | |
| | item No ${\bf 1.2}$ including removing the same from site | | | | | |
| | complete in all respect as per directions | sqm | 25 | | | |
| | Total SECTION -B Carried over to Summary of | | | | | |
| | Quotation | | | | | |
| | SUMMARY OF QUOTATION | | | | | |
| | NET QUOTED AMOUNT= TOTAL SECTION A - | | | | | |
| | TOTAL SECTION B | | | | | |
| | | | | | | |
| | Net Quoted amount in words | | | | | |
| | Contractors Signature | | | | | |
| | Contractors Namo | | | | | |

SECTION-VI

Α

List of approved unless otherwise specified in BOQ

MATERIAL GENERAL

| | | <u></u> | |
|---|----------|--|---|
| | 1 | Anti termite chemical (Chlorpyriphos emulsifiable concentrate) | NOCIL |
| | 2 | Adhesive | For wood-Fevicole-SH/Movicole HV |
| | 3 | Fitting Hardware | EBCO(Earl Bihari), Hetich,Ozone/Dorma/Kolf |
| | 4 | Locks | Godrej, Golden |
| | 5 | Laminate | 1.5 mm thk. Greenlam, Century |
| | | | 1.0mm thk. ,Greenlam,Sunmica,Century |
| | 6 | Paints | Asian, Berger, Dulux , Shalimar |
| | | | (Bison) British Paints, Asian Paints or equivalent. |
| | 7 | Plywood | Century/Duro/Green/Alpro |
| | 8 | Flush Doors | Century/Duro/Green/Alpro |
| | 9 | Glass | Modi float glass |
| | 10 11 | Prelaminated Particle Board Softboard | Archid, Nova pan, Greenlam, Sitatex |
| | 12 | Cement | L&T, Ambuja,Bangur, Birla,JK |
| | 13 | Tiles | Kajaria, Nitco, Marbonite |
| | 14 | Paint (Distemper / Plastic Emulsion | Berger, Asian , Shalimar |
| | 15 | Vertical Blinds | Mac/Vista levelor/ as approved |
| | 16 | False Ceiling | Aerolite/Gyproc/Daiken |
| | 17 | Aluminium Composite Panel | Eurobond, Alomax, Sunbond |
| | 18 | Acrylic solid surface | Corian, Hanex, LG, |
| | 19 | Locks, Hardware | Hettich/Kich/Dorset/Doors |
| В | 1 | ELECTRICAL | |
| | | LT Panels | CPRI type test passed vendor |
| | 2 | МССВ | L&T,SEIMENS,MERLIN GERIN(FRANCE) |
| | 3 | MCB,RCCB &DISTRIBUTION BOARDS | LEGRAND,L&T,MERLIN GERIN. |
| | 4 | CONDUIT | BEC ,AKG |
| | 5 | COPPER WIRE | SKYTONE,RALLISION,PHINOLEX,RAJNIGANDHA. |
| | 6 | POWER CABLES | CCI ,HAVELLS,RALLISION,GEMS CAB. |
| | 7 | | |
| | | FITTING | PHILIPS ,CROMPTION |
| | 8 | SWITCH & SOCKETS | MK ,ANCHOR ROMA. |
| | 9 | CABLE END TERMINATION | COMMETT |
| | 10 | THIMBLES | DOWELLS |
| | | | |

MANUFACTURER/BRAND NAME

11 TELEPHONE TAG BLOCK KRONE/AMP/AVAYA

XLPE / PVC Insulated Aluminum Conductor
 Telephone Wires/cables
 Skytone/Polycab/KEI / Havells

14 Lights Fittings Wipro, Philips, Bajaj

C AIR CONDITIONING EQUIPMENT/UNIT

1 Ducatble Split Unit Bluestar/Carrier/Voltas/Hitachi/Toshiba

2 PIPING

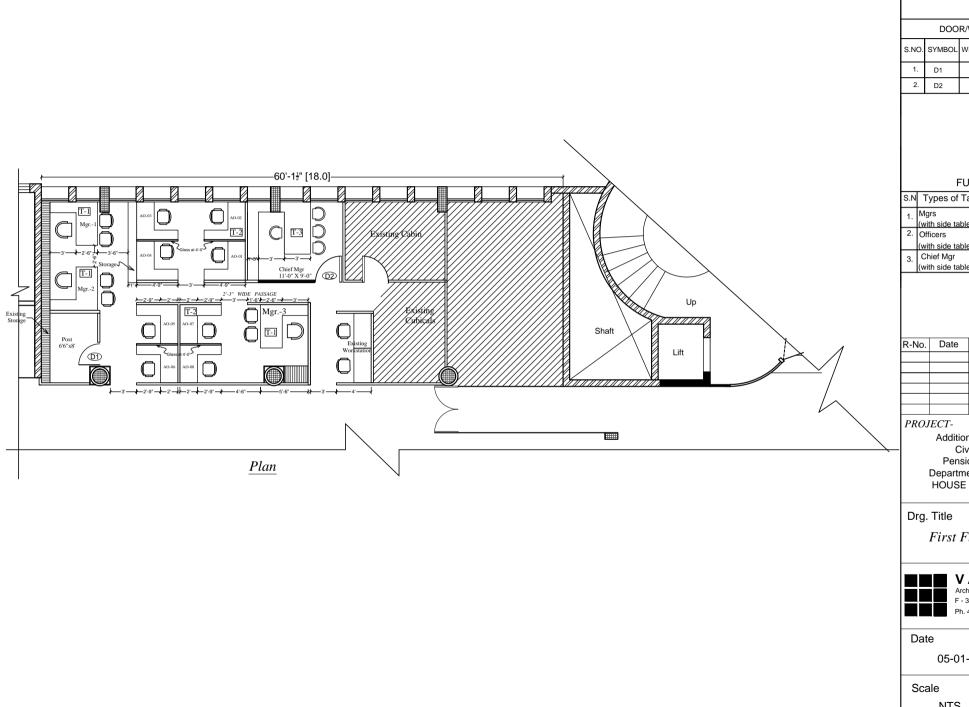
a Refrigerant Copper Pipe

Mandev/Totaline/Rajco Metals/Jindal/Mexflow

b uPVC Drain Pipe

Polypack/Supreme/Prince/ Finolex

INSULATION Armaflex K-flex/ Armasound a Nitrile Rubber



| DOOR/WINDOW SCHEDULE | | | | | | | | | | |
|----------------------|--------|-------|--------|--------------|------|------------|--|--|--|--|
| S.NO. | SYMBOL | WIDTH | HEIGHT | CILL Lvl. | QTY. | REMARK | | | | |
| 1. | D1 | 2'-9" | 7'-0" | | 1 | Flush Door | | | | |
| 2. | D2 | 3'-3" | 8'-0" | | 1 | Glass Door | | | | |

FURNITURE SCHEDULE

| 1.8 | Types of Tables | Symbol | Size | Qty. |
|-----|--|--------|---------------|------|
| 1. | Mgrs (with side table 1'-4½"x 3'-0" | T 1 | 5'-0" x 2'-6" | 3 |
| 2. | Officers (with side table 1'-42"x 2'-9") | т 2 | 4'-6" x 2'-0" | 8 |
| 3. | Chief Mgr (with side table 1'-4½"x 3'-3") | Т3 | 6'-3"x 2'-6" | 1 |

| R-No. Date | | Revisions | Issued To |
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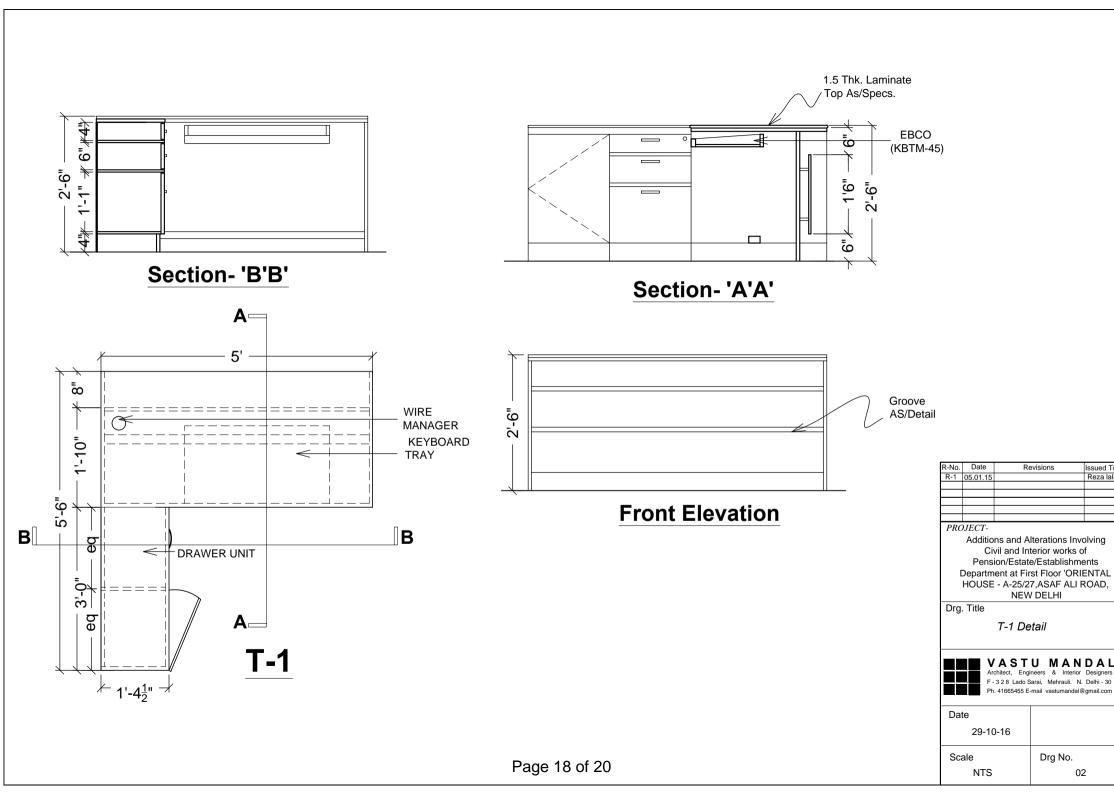
Additions and Alterations Involving Civil and Interior works of Pension/Estate/Establishments Department at First Floor 'ORIENTAL HOUSE - A-25/27,ASAF ALI ROAD, NEW DELHI

First Floor (Part Layout)

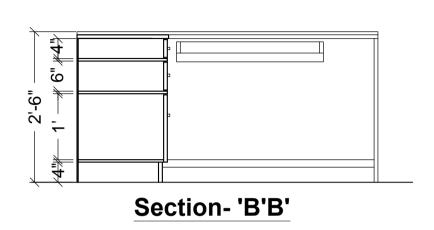
VASTU MANDAL Architect, Engineers & Interior Designers

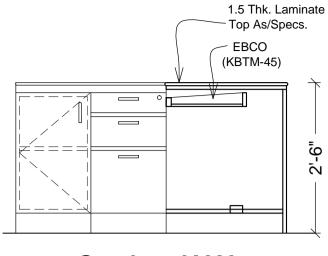
Architect, Engineers & Interior Designers F - 3 2 8 Lado Sarai, Mehrauli. N. Delhi - 30 Ph. 41665455 E-mail vastumandal@gmail.com

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| Date | | | | |
| 05-01-15 | | | | |
| Scale | Drg No. | | | |
| NTS | 01 | | | |

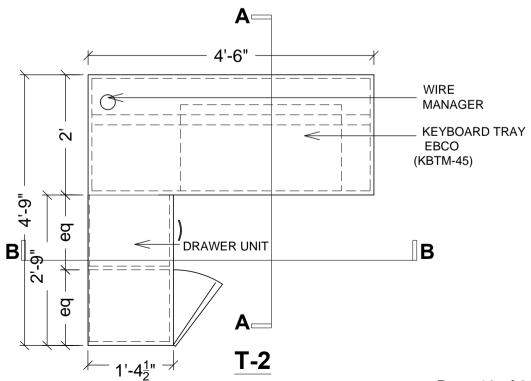


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Section-'A'A'



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PROIFCT.

Additions and Alterations Involving Civil and Interior works of Pension/Estate/Establishments Department at First Floor 'ORIENTAL HOUSE - A-25/27,ASAF ALI ROAD, NEW DELHI

Drg. Title

T-2 Detail



VASTU MANDAL
Architect, Engineers & Interior Designers

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Date 29-10-16 Scale Drg No. NTS 03

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