Interior Renovation & Furnishing Works Including Woodworking, Civil, MEP & Air-Conditioning Works

Αt

### **GUEST HOUSE & BACHELOR'S ACCOMMODATION**

Address: Flat No: 201 & 202A Shashi Palace, Nala Road, Patna 800004

#### THE ORIENTAL INSURANCE COMPANY LTD.

REGIONAL OFFICE, PIRMUHANI, KADAMKUAN, PATNA.

# TENDER DOCUMENT [ PART – II ] [ Financial Bid ]

[ SCHEDULE OF QUANTITIES AND DRAWINGS]
TENDER NO.: RO/Estate/2021-22/02

Date: 28 / 09 / 2021

#### **Architect**

#### **IDEATION DESIGN STUDIO PVT LTD**

Address: ADDRESS: 1st Floor, Shambhu Nath Plaza, New Dakbunglow Road, Patna-800001

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Total Number of Financial Bid = 25 PAGES Financial Bid (BOQ) = 16 pages Total Number of Dawings = 09 Pages

## THE ORIENTAL INSURANCE COMPANY. LTD.

PIRMUHANI, KADAMKUAN, PATNA-800003.

<u>Tender No : RO/Estate/2021-22/02</u> Date : 28-09-2021

Interior Renovation & Furnishing Works at Guest House & Bachelor's Accommodation, OICL, Nala Road, Patna							
SL. NO.	WORKS	AMOUNT	AMOUNT with GST				
1	Fixed Furniture - Wooden & Steel Works						
	Cost of the Works						
2	M.E.P - Electrical, Lighting & Air-Conditioning						
	Cost of the Works						
3	Civil Work - CIVIL, PAINTING, FINISHES & REPAIRING						
	Cost of the Works						
		TOTAL					
	TOTAL COST OF THE WORKS						
тс	OTAL COST OF THE WORKS IN WORDS						

Note: The Rates quotated should be inclusive of all Taxes

### **Project Name**

# Interior Renovation & Furnishing Works at Guest House & Bachelor's Accommodation, OICL, Patna

Tender No: RO/Estate/2021-22/02 Date: 28-09-2021 Owner / Client THE ORIENTAL INSURANCE COMPANY LIMITED, Patna **Project Location** Flat No: 201, 202A, 2nd Floor, Shashi Palace, Nala Road, Patna-800004. **Contace Number** Contace Person: Jitendra Nath Ray (A.M) +91 - 93088 26556 **IDEATION DESIGN STUDIO PVT LTD (Architect) Consultant's Name Address** Shambhu Nath Plaza, New Dak Bunglow Road, Patna - 800001 Ambuj Raj (Architect) **Contace Number** +91 - 9525 906 779 Contace Person: **Vendor's Name** Address Contace Number Contace Person:

	SUMN	ARY (Interior Furnishing & El	lectrical Works Only)					
Sr. No.		DESCRIEPTION		AMOUNT				
Α	Total of FIXED FURNITURE							
В	Total of M.E.P (Electrical &	al of M.E.P (Electrical & Plumbing)						
С	Total of CIVIL WORKS							
Р	тс	TOTAL AMOUNT A + B + C						
Q	D	iscount, if any	0 %					
R	Total Amount W	ith Contingencies / Discount	P - Q					
S	All Taxe	x as applicable - GST	18 %					
U			GRAND TOTAL					
U		GRAND TOTAL -	GRAND TOTAL - ROUND FIGURE					
V	AMOUNT IN WORDS							

## **ESTIMATE FOR INTERIOR RENOVATION & FURNISHING WORKS, PATNA**

SI No.	S.O.R CODE BSR / MR	Items	Specification	Unit	Qty.	Rate (Rs)	Total Cost
	FIXED	FURNITURE					
•		FUDNITUDE W	OODEN & CTEEL WORKS				
Α		FURNITURE - WO	OODEN & STEEL WORKS				
A1		FIXED FURNITURE					
		Technical Specification: By resistance to all Climatic co. WPC Board & Door: Greer Technical Specification: Fir anti-bacteria, anti-fungal, & Laminate: GreenLam / Cer (1.0mm or 0.8mm thickness) Veneer: GreenLam Decow Door Skin: Greenply / Sun Technical Specification: 1r resistant, Indoor weather ruse Synthetic Resin adhesi Modular Kitchen Baskets &	oly / CenturyPly / Austin Plywood / Conforce / Alpro NR/BWP Grade Ply or Block Board, Confirms to IS1659 or ondition, Stress & Wrap free, Oil free veneer.  Inply / CenturyPly / Alutuff / Amulya / Ecoste / Floresta are resistant, 100% recyclable & Waterproof, High Demsit & 100% formaldehyde, phenol & toxing free board; and Nortury / Heritage / Marino as as /BOQ & Drawing)  Tood / Wood Crest / Century Imica / Artlam / Marino Imm thick unicore Designer Door Skins, good for Heat & Stresistant, high compact resistance, chemical resistance, a	y board; : No Shrinki	L00% terring or swe	nite & barer proof, elling of board]. ermite & Fungus	
A1.1	M.R.	TV Panel	Providing and fixing of TV panel (8'-0" x 5'-0") without Storages as/detailed drawing (storage item in serial number A1.2), made of BWP / BWR grade ply or block board of thickness as/drawing, outside finished with 1mm thick laminates, outside Back and all inner side to be finished with 0.8mm thick Off-white Laminates of approved make and Shade. Panel to be made with all side cove and backlit LED strip light as shown in drawing. Cost inclusive of all necessary Hardwares, fittings & accessories as approved design and make/model. Cost [inclusive of LED lighitng fitting/wiring etc.] [Refer Drawing No: F-101, 102]	Sq-ft	40		
A1.2	M.R.	TV Panel Storage	Providing and fixing of Storage for TV Panel (8'-0" x 1'-6"7'-0") Wardrobe with lockable shutters, Pullout Drawer, etc as/detailed drawing, made of BWP/BWR grade ply or block board of thickness as/specs provided in drawing, outside finished with 1mm thick laminates, outside Back and all inner side to be finished with 0.8mm thick Off-white Laminates of approved make and Shade. Cost inclusive of all necessary Hardwares, locksets, fittings & accessories as approved design and make/model.  [ Refer Drawing No: F-101, 102 ]	Sq-ft	12		

## The Oriental Insurance Co. Ltd Guest House Flat No 201 202A, Shashi Complex, Nala Road, Patn

A1.3	M.R. 10.12.1	WPC Flush Door (Toilet)	Providing and fixing of 35mm thick WPC Flush Door (area lesser than 2.0 sqm) of approved make and specification. Cost inclusive of supplying and fixing of SS Tower Bolt (12" & 8" each), SS Handle 8" high (2 nos.), 1 nos. L-Drop and Door Stopper and other Standard fittings and Accessories. Door should be finnished with 1mm thick high gloss PVC laminate sheet from innerside.  Providing and fixing of Steel Glazed Windows made of standard rolled steel section, joints mitered cut and welded with 15x3mm ligs10cm long with steel lugs embeded incement concrete blocks 15x10x10 cm of 1:3:6 mix ratio as/specification as/design. Cost inclusive of fixing with Glass panes with glazing clip and special metal sash putty, and all standard fittings and accessories as handle/latches etc of approved make.	Units	4	
A1.5	10.11.1	Fixing of Steel Window	Fixing of Steel Window as/specs (Labor cost).	Kg	15	 
A1.6	15.13.2	Removing of Steel Grill / Window	Taking out of Steel Grill . Window including stacking within 50meter lead	SQM	5	
A1.7	M.R.	Removing of Wooden Choukhat	Taking out of Solid Wooden Door Choukhat (2 Nos.) & Wooden Storage unit (fixed under window sill) including stacking within 50meter lead	Lump- Sum	1	
	Wooden as/site	Door & Frame				
A1.8	M.R.	Wooden Frame for Window AC unit	Providing and fixing of 75x50mm section Solid Wooden frame (hard wood choukhat) for installation of Window Air-conditioner units in Steel Windows.  Cost inclusive of finishing of Wooden frame with 2 coats of suitable Wooden primer paint, and Enamel paint matching to Window.	Units	2	
A1.9	M.R.	Customization of Existing Door Chowkhat	Customization of Existing Solid Wooden Chowkhat (Door) for reducing the door width upto 6 inches and re-installation in position. Cost inclusive of all Woden plugs, nails/screws etc	Units	1	
A2	Modular	Kitchen				
A2.1	M.R.	1'-0" deep Over- Head Storage	Providing and fixing of Overhead Storage for Kitchen as/detailed drawing, made of BWP / BWR grade ply or block board or WPC board of thickness as/drawing finished with 1mm thick laminates outside and 0.8mm thick Laminates in side as/drawing. Cost inclusive of all necessary Hardwares as Handles, Knobs, Hinges (Clip-on Hinges or Butt hinges as required with 8mm thick Frosted Glass shelves as/drawing, and other Hardware, fittings & accessories of specs and Make as approved.  [ Please refer Drawing No: F- 201, 202, 203 ]	Sq-ft	30	
A2.2	M.R.	2'-0" deep Under- Counter Storage	Providing and fixing of Kitchen under-counter storage as/detailed drawing, made of BWR grade Ply / Block Board of approve make only. Board thickness selectrion to be done as/drawing. Shutter outside to be finished with 1mm thick laminates & inner side with 0.8mm thick Laminate of shade & make as approved and edges should be finished with matching Edge Binding Tape (not less than 0.8mm thickness). Cost inclusive of all necessary Hardwares as Handle, Telescopic Channels, Clip-on Hinges of type as required, and other fittings & Hardwares of specs and Make as approved as/drawing.  [ Please refer Drawing No: F-201, 202, 203 ]	Sq-ft	64	

## The Oriental Insurance Co. Ltd Guest House Flat No 201 202A, Shashi Complex, Nala Road, Pathi

A2.3		[Rates (MRP) from O	Pullout Baskets and trolley, etc live Silver / Pearl series] o: F-201, 202, 203 for perfect size of baskets]				
A2.3.1	M.R.	Cutlery	Size : 21" x 20" x 4"	Unit	1		
A2.3.2	M.R.	Cup & Saucer Basket	Size : 21" x 20" x 4"	Unit	1		
A2.3.3	M.R.	Plate Basket	Size : 21" x 20" x 8"	Unit	2		
A2.3.4	M.R.	Plain Basket	Size : 21" x 20" x 8"	Unit	5		
A2.3.5	M.R.	Grain Trolley	Size : 19" x 20" x 14"	Unit	2		
A2.3.6	M.R.	Bottle Pullout Trolley	Size: 8" x 20" x 21"	Unit	1		
A2.3.7	M.R.	Heavy Utensil Basket	Size : 21" x 20" x 8"	Unit	2		
A2.3.8	M.R.	DEE Tray	Size : 28" Dia. (2 trays) _ SparkleSeries OLIVE	Unit	1		
A2.3.10	M.R.	S.S. Kitchen Sink	Proviing and fixing of wall Stainless Steel Kitchen Sink of size not less than 24"x20"x8",of approved make (Nirali / Ebco / Jindal / TATA) silver finish, mounted on Granite counter. Cost inclusive of Waste pipe, waste coupling, and other standard fittings and accessories. Joints shuld be properly filled with water proofing fixing agent or Water proof silicon based sealant.	Units	1		
	UPVC W	/indow					
АЗ	M.R.	UPCV Sliding Window	Providing and fixing factory made of 3 TRACK UPVC SLIDING WONDOW with 66% opening (as/sketch drawing provided), in White color sliding window made of extruded profiles. Profile of Window Frames (min 60mm depth) and Sash (min 75mm) should be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardwares and drainage of water, etc. making of arrangement of fixing of hardwares, EPDM gaskets, 1.2 +/-0.2mm thick galvanised steel profile to be inerted in required profile, frame will be fixed ito the wall with 8mm x 100mm long fasteners, all complete as/direction of Engineer-incharge.  Glazing: 5mm thick Toughened Cleas Glass.		1		
Α		TOTAL OF FIXED FU	JRNITURE			A1 + A2 + A3	
A							

В	M.E.P	(Electrical & Plu	mbina)			
_			······································			
B1		ELECTRICAL _ LIGH	TING & AIR-CONDITIONING			
B1.1		AIR CONDITIONING				
B1.1.1	M.R.	Copper Refrigerant Pipe	Supply ,laying of pipes (including wall cutting upto 2" depth and 2" high for laying of copper pipe and drain pipe), Installation, Testing and Commissioning hard copper refrigrant pipes with supports, fitting etc. for Hi-Wall Split units. Cost inclusive of Finishing of wall surface with cement-sand mortar at all wall/conduit cuting area.	R-mtr	12	
B1.1.2	M.R.	PVC Drain Pipe	Supply & Fixing of hard drawn 25mm dia PVC drain piping complete with fittings,supports, 6mm thick closed cell elastomeric insulation.	R-mtr	12	
B1.2		Electrical	Providing & Fixing of Lighting Fittings and Fixture as specified below: [Make: Havells, Finolex, Polycab, RR Cabel, V-Guard]			
B1.2.1	M.R.	Lt. Point Wiring	Providing and Laying of Light Point wiring (1.5 sqmm + 1.5sqmm) with 1" PVC square beat and Switchs (with box and cover plate etc) as/site condition	R-mtr	20	
B1.2.2	1.7	Wiring for AC	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed with PVC conduit as required Make: Havells/Polycab/Finolex			
B1.2.3	1.7.11		2X 6 sq. mm + 1 X 6 sq. mm earth wire (2 Ton AC)	R-mtr	15	
B1.3		LIGHTING	Providing & Fixing of Lighting Fittings and Fixture as specified below:			
		FIXTURES AND FITTINGS	Supply and fixing of light fixtures including lamps, reflectors, HPF condensors, starters, holders, lamps etc. with all accessories required.  [Make: Philips, Havells, Wipro, Jaquar]			
B1.3.1	M.R.	LED Batten Light	Wall Bracket Lights of wattage not less than 20W each light (100 Lumen per watt) and Color 6000k or 6500k of approved [Make: Philips, Havells, Wipro, Jaquar]	Units	12	
B1		Total of ELECTRICA	L & LIGHTING			
B2		PLUMBING				
B2.1	M.R.	Plumbing Works  (No of Toilets : 05, at 2nd Floor Level, each toilets of floor area of about 30sqft to 45sqft only)	Providing and fixing of 1/2" & 1-1/2" UPVC pipes for distributin in toilets, pantry/kitchen, including chase filling and all joints proper pvc insulation cover for all pipes etc. The cost shall include all accessories like Tees, Union, Bends, etc required to make the system operational & complete. Providing and fixing of PVC pipes of required size of approved make and specification with secial fittings, traps, bends, ys, floor and nahani trap, including chmically sealed joints as required a site fixing necessory conections with existing lines with WC and waste water lines and chambers tobe constructed where ever necessary and unused lines of WC and waste water lines to be removed.	LS	1	
B2.2		SANITARY FIXTURE	S & ALLIED FITTINGS FOR TOILET - Gener	ral		

#### The Oriental Insurance Co. Ltd juest House Flat No 201 202A, Shashi Complex, Nala Road, Patn

		1	Dura deliner O findere of could be seen NAC 1. D. 1. 1.			1	
B2.2.1	17.7.4	Wash Basin [ Wall Hung Basin White Shade ]	Providing & fixing of wall hung Wash Basin in position with C.I. bracket, 15mm brass pillar tap, 32mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the wall wherever required (Size: 505x400x190) with other required fittings and accessories as reqd., etc complete.  Make: SOMANY / Hindware / Parryware / Cera. (Rate from SOMANY, Model: Metro / Dove)	Nos.	5		
B2.2.2	17.3.2	EWC - Floor Mounted EWC Concealed	Providing & Fixing in position White Vitreou China pedestal type Water Closet (European type W.C.) with Seat & Lid, 10 Litre low level china flushing cicstern, & C.P. flush bend with fitting & C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and approved municipal design complete, including painting of fitting and brackets, cutting and making good the walls andfloor wherever required:  W.C. Pan with with ISI marked white solid Plastic seat & Lid.  Make: SOMANY / CERA / HINDWARE / PARRYWARE / JAQUAR  [Rate from SOMANY, Model: CACLIPRI]	Nos.	4		
B2.2.3	17.1.1	Squatting Pan (Orissa Pan)	Providing & Fixing in position White Squatting Pan (Orissa Pan, size 440x580x225mm).  Make: SOMANY / Hindware / Parryware / Cera. (Rate from SOMANY, Orissa Pan)	Nos.	1		
B2.2.4	M.R.	PVC Cistern	Providing & Fixing in position wall mounted White PP Cistern unit (single flush system) of size 480x155x350.  Make: SOMANY / Hindware / Parryware / Cera. (Rate from SOMANY, Model: Super)	Nos.	5		
B2.2.5	M.R.	Vanity Mirror above Wash Basin	Providing and fixing in position Vanity Mirror of size 400x600, made out of approx. 5.5 mm. thick float mirror glass fixed with 6 mm. thick Marine Plywood and Brass C. P. screws, PVC moulding all around etc., complete.  Make: Locally available ISI mark mirror.	Nos.	5		
B2.2.6	M.R.	2 way Bib Cock - Single Lever	Providing and fixing 2 way Bib cock for fixing Health Faucet (single lever) size 15 mm.dia. heavy duty with I.S.I. mark, of approved make.  Make: SOMANY / Hindware / Parryware / Cera / JAQUAR.  (Rate from SOMANY, Model: Smart, Cat. 272210430021)	Nos.	4		
B2.2.7	M.R.	Bib Cock - Single Lever	Providing and fixing Bib cock for fixing Health Faucet (single lever) size 15 mm.dia. heavy duty with I.S.I. mark, of approved make.  Make: SOMANY / Hindware / Parryware / Cera / JAQUAR.  (Rate from SOMANY, Model: Smart, Cat. 272210430021)	Nos.	1		
B2.2.8	M.R.	Angle Cock - Single Lever	Providing and fixing Angular Stop Cock (single lever) heavy duty with I.S.I. mark, of approved make.  Make: SOMANY / Hindware / Parryware / Cera / JAQUAR.  (Rate from SOMANY, Model: Smart, Cat. 272210430041)	Nos.	24		
B2.2.9	M.R.	Conection Pipe	Providing and fixing 304 grade Stainless Steel Connection Pipe (set of 2 pipes of 18 inch length each) with I.S.I. mark of length, of approved make. Make: SOMANY / Hindware / Parryware / V- Guard. (Rate from V-GUARD)	Set	24		
B2.2.10	M.R.	Sink Tap- Single Lever	Wall Mounted Swan Neck with Swinging Spout.  Make: SOMANY / Hindware / Parryware / Cera. (Rate from SOMANY, Model: Smart, Cat. 272210430101)	Nos.	1		

## The Oriental Insurance Co. Ltd Guest House Flat No 201 202A, Shashi Complex, Nala Road, Patn

B2.2.11	M.R.	Nahni Trap Jali	S.S. NAHANI TRAP of required size as/site	Nos.	12		
B2.2.12	M.R.	Health Faucet	Health Faucet with 1Mtr felxible Tube.  Make: SOMANY / Hindware / Parryware / Cera / JAQUAR.  (Rate from SOMANY, Cat. 272150680021)	Nos.	4		
B2.2.13	M.R.	Basin Mixture	Make: SOMANY / Hindware / Parryware / Cera / JAQUAR. (Rate from SOMANY, Model: Smart, Cat. 272200430051)	Nos.	5		
B2.2.14	M.R.	Wall Mixture	3 in One Wall Mixture with provision for Overhead Shower and Long bend Pipe.  Make: SOMANY / Hindware / Parryware / Cera / JAQUAR.  (Rate from SOMANY, Model: Smart, Cat. 272200430061)	Nos.	5		
B2.2.15	M.R.	Overhead Shower	Overhead shower with Arm and Flange.  Make: SOMANY / Hindware / Parryware / Cera / JAQUAR. (Rate from SOMANY, Model: Aura, Cat. 272220080011)	Nos.	5		
B2		Total of PLUMBIN	G				
		· · · · · · · · · · · · · · · · · · ·					
В		TOTAL OF M.E.P (Electrical & Plumbing)				B1 + B2	

С	CIVIL,	PAINTING, FINIS	SHES & REPAIRING WORK							
C1		PAINTING & FINISH								
		Technical Specification: W scratch resistant, stain resi ENAMEL PAINT: Nerolac / Technical Specification: Hi Wall Putty: JK Wall Putty / Technical Specification: Co retentivity not lesser than	RYLIC EMULSION PAINT: Nerolac / Dulux / Berger / Jenson & Nicholson / British Paint chnical Specification: Water based premium Plastic (acrylic) emusion paint, confirms to IS 15489: 2004, washable, atch resistant, stain resistant, No V.O.C., Odorless.  AMEL PAINT: Nerolac / Dulux / Berger / Jenson & Nicholson / British Paint chnical Specification: High Gloss Synthetic Enamel Paint, Smooth finish, washable, stain resistant, Odorless. all Putty: JK Wall Putty / Birla White wall care / Nerolac / Asian Piant / Bison / Berger chnical Specification: Cement Based Wall putty, water resistant, No flaking, Compulsive strength 7 to 12 mpa, Water entivity not lesser than 95%, Water absorption /10 min should be lesser than 2.0.							
		Other related diffed items	;/Accesories as/Make list provided at Last Page of B.O.Q							
C1.1	13.80A.1	Wall Putty	Providing and applying of cement based Waterproof Wall Putty of average thickness 1mm, of approved Brand and manufacturer, over the plastered surface smooth including necessary repair scratchedes etc to complete.	SQM	620					
C1.2	13.78.1	Primer Paint	Providing and Applying one coat of Cement based Primer of approved Make & Specification on all Interior surfaces.	SQM	620					
C1.3	13.92.1	Wall Paint - Premium Acrylic Emulsion Paint	Providing and applying of TWO or more coats of Premium Acrylic Emulsion (Plastic Emulsion) Paint on new work, Paint of approved Brand and Manufacture to give an even shade, for Interior structural & Architectural sirfaces.	SQM	620					
C1.4	13.93.1	High Gloss Enamel Paint - Wood work	Providing and applying of One or more coats of Synthetic Enamel paint on Wooden & Metal surface of approved Brand & Manufacturer to to give an even shade.	SQM	60					
C1.5	13.93.2	High Gloss Enamel Paint - Metal work	Cost inclusive of scraping and removing of existing paint on all surface required.	SQM	50					
<b>C1</b>		Total of PAINTING								
C		CIVII WORKS								
C2		CIVIL WORKS								
C2.1		Stone Works								
		Technical Specification : Flowall Dado tiles : High Glos	ations:  zed Tile & Anti Skid Ceramic Tiles : SOMANY / NITCO / JC  por Tiles : Double Charged Vitrified Tiles. Thichness not less Ceramic Wall Tiles. Thichness not less that 8mm.  s/Accesories as/Make list provided at Last Page of B.O.Q			ON / RAK				
C2.1.1	8.2.2.2	Granite Counter Top · Kitchen	Providing and fixing of 20mm thick Granite Counter Top (shade Jet Black as/approval) in position with strong instant adhesive over Wooden Modular kitchen unit. Granite-Wall joint/corners to be filed and finished with clear silicon based sealant. All Outer Edge of Granite to be polish smooth and outer-upper edge in Quarter round fashion and Outer Edge should be made 40mm thicker by pasting extra 2" wide strip of same granite under main Counter top as shown in Modular Kithen detail Drawing. (Base price of Stone: Rs260/sq-ft) [ Please refer Drawing No: F-201, 202, 203 ]	SQM	4.5					

## The Oriental Insurance Co. Ltd Guest House Flat No 201 202A, Shashi Complex, Nala Road, Patn

C2.1.2	8.2.2.2	Granite skirting over Counter Top - Kitchen	Providing and fixing of 20mm thick and 75mm high Granite Counter skirting over counter Top (shade as/approved) in position with strong instant adhesive over Wooden Modular kitchen unit. All joints/corners to be filed and finished with clear silicon based sealant. All Outer-upper edge to be polished in Quarter round fashion as shown in detail Drawing. (Base price of Stone: Rs280/sq-ft) [Please refer Drawing No: F-201, 202, 203]	SQM	0.5	
C2.2		Ceramic, Glazed & V				
C2.2.1	M.R.	Glazed Ceramic Dado Tile - Toilet 450x300 [Make : Somany, Nitco, Johnson, RAK]	Supplying and Laying of Glazed Ceramic Dado Tile of approved Make and Design (size 450mm x 300mm upto height 8'-0") in position as/tiling layout Drawing, with cement sand mortar of mix ration 1:5 of thicnkness not less than 8mm over eched plaster surface as/NBC specifications. Cost inclusive of scratching of plastered surface and finishing of Dado Tile joints with White cement with color pigments matching to shade of tile complete in all respect. Quantity Inclusive of 3" high skirting also as/drawing.  (Base price of Tile: Rs60/sq-ft)  [Please refer Drawing No:]	Sq-ft	1250	
C2.2.2	11.38	Anti-Skid Floor Tile for Toilets - 300x300 [Make : Somany, Nitco, Johnson, RAK]	Supplying and Laying of Anti-Skid vetrified Floor Tile in white shade of approved Make (size 3000mm x 300mm) in position as/tiling layout Drawing,, with cement sand mortar of mix ration 1:5 of thicnkness not less than 8mm over eched plaster surface as/NBC specifications. Cost inclusive of scratching of plastered surface and finishing of Dado Tile joints with White cement with color pigments matching to shade of tile complete in all respect. Quantity Inclusive of 3" high skirting also as/drawing.  (Base price of Tile: Rs40/sq-ft)  [Please refer Drawing No:]	SQM	18.5	
C2.2.3	M.R.	Cutting and Polishing of Flooring	Cutting and polishing of existing Marble chip Terazzo flooring to granolithic finish with Terazzo floor grinding machine. Cost inclusive of manual Polishing of Marble chip Skirting surfaces etc. (Total area inclusive of skirting in running feet measurement)	Sq-ft	2100	
C2		Total of CIVIL Work	KS			
C3		ADDITIONAL WOR	KS AS/SITE CONDITION			
C3.1		Civil Works				
C3.1.1	6.1.12/1, 6.4A	5" th. Brick-Masonry	ProvidiHng anadl Ifa ying of 5" Thich 1st class Brick masonry with brick of class designation 100A with Cement mortar (1 cement : 4 coarse sand).	CUM	1.5	
C3.1.2	13.17.1	Cement Plaster	Providing and laying of min of 12mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement as/instruction of the Architect in Charge, on exposed surface only. Cost inclusive of preparation of surface, scaffolding, staging, curing etc. complete in all respect.	SQM	20	

## The Oriental Insurance Co. Ltd Guest House Flat No 201 202A, Shashi Complex, Nala Road, Patri

			Supplying and fixing of damaged (dampen wall) plaster work of Bedroom / toilet wall. Job includes deeply scrubing of wall surface with Wire Brush to remove total dampen plaster and applying with				
C3.1.3	M.R.	Plaster work - Repairing for Water Proffing	Cement - Coarse Sand plaster and applying with Cement - Coarse Sand plaster of ratio 1:3 mix, thickness not lesser than 15mm over any surface with water proffing admixture as approved in ratio as instructed by the Water proofing Company or The architect in-charge (or 100ml per 50kg of cement).	SQM	30		
C3.1.4	M.R.	Filling of Toilet Sunk	Supplying and filling of Toilet Sunk with light weight Broken CLC blocks / broken bricks, AAC blocks / Brick jelly / Light weight Cinder, Coal lumps / etc upto finishing of PCC level in toilets sunken pit.  Cost inclusive of flat brick soling on top of filling for making ready for PCC bed casting.	CU-M	5		
C3.2		Demolition & Disma	ntling works				
55.2			as/site, cost inclusive of removing disposal of				
C3.2.1	M.R.	Demilition : RCC work	debries to a municipal approved dumping yard near by the site as/local municipal guidelines. Quantity Approx 0.5 cu-mtr	Lump- Sum	1		
C3.2.2	M.R.	Demilition : Brick wall (5" thick)	as/site, cost inclusive of removing disposal of debries to a municipal approved dumping yard near by the site as/local municipal guidelines. Quantity Approx 200 sq-ft	Lump- Sum	1		
C3.2.3	M.R.	Demilition : Toilet Floor & Dado tile	as/site including removing Squatting Pan in toilet. Total Cost inclusive of removing disposal of debries to a municipal approved dumping yard near by the site as/local municipal guidelines. Floor Tile Area: 180sq-ft Wal Dado Tile Area: 1000 sq-ft	Sq-Ft	1200		
C3.2.4	M.R.	Plumbing Dismantling & Disposal work (Total No. of Toilet: 05)	Desmantling of all existing Toilet C.P.Fitting, Fixtures and Sanitary Wares, removing of all Plumbing pipes if needed to install all new C.P. Fittings and Sanitary wares, or in case of damage. Total Cost inclusive of removing & disposal of debries to a municipal approved dumping yard near by the site as/local municipal guidelines. C.P.fitings/fixtures to be surrendered in custody of OICL management, if found Good and working in condition or can be used in future repairing.	Lump- Sum	1		
С3		Total of ADDITION	Total of ADDITIONAL WORKS AS/SITE CONDITION				
С		TOTAL OF PAINTI	NG, CIVIL & REPAIRING WORK			C1 + C2 + C3	
Р		TOTAL AMOUNT			A +	B +C	

## **MAKE LIST - Part I**

Oriental Insurance Company Limited, Patna / Empanelled Architect Consultants reserves the right to select any particular make from the list given below to be used in the project work without any extra cost adjustment. Department's decision will be binding on the contractor.

It's a General MAKE LIST for all Kind of **Wooden-Aluminum works**, Contractor will pick The Make name according to the Items as mentioned in BOQ required for the currant site only. The preference of makes shall be in the order as mentioned below. The contractor should quote for the make mentioned first followed by other alternates in their order.

Sr. No.	Details of Equipment/	Manufacturer's/Make Name	
Ι)	Carpentry / Aluminum Works		
1	Plywood / Block Board	GreenPly / Conforce / Austin / Century / Alpro	
2	Marine plywood	GreenPly / Conforce / Austin / Century / Alpro	
3	Particle Board	Action Tesa / Asis / Ecofit / DMK / PCBoards / Woodpulp	
4	Prelaminated Board Wooden Partition framework	Action Tesa / Asis / Ecofit / DMK / PCBoards / Woodpulp Seasoned Solid Sal wood of required section size	
5 6	MDF	Century MDF / ASIS / Action TESA / Duratuff / Nuewood	
7	Soft board	LOCAL as available	
8	Flush door	GreenPly / Austin / Archidply / Alpro	
9	Laminate	GreenLam / Century / Heritage / Marino	
		GreenLam Decowood / Wood Crest / Century	
10	Veneer	·	
11	Adhesive for wood	Fevicol SH / MARINE /HYPER	
12	French Polish	LOCAL	
13	Melamine finish	Asian / Berger / Nerolac or equivalent	
14	Duco Paint	Asian / Berger / Nerolac or equivalent	
15	Melamine finish	Asian / Berger / Nerolac or equivalent	
16	Enamel Paint	Asian / Berger / Nerolac or equivalent	
17	Steam Beach Moulding	1st Class beating of required section size	
18	Distemper Paint	Asian / Berger / Nerolac or equivalent	
19	Emulsion Paint , Acrylic Emulsion	Asian / Berger / Nerolac or equivalent	
20			
II )	Hardware		
21	Drawer/telescopic Channels	Ebco / Hettich / Ozone / Dorset / Olive	
22	Cabinate Handles	Ebco / Hettich / Ozone / Dorset / TAB	
23	Knobs	Ebco / Hettich / Ozone / Dorset / TAB	
24	Door Hinges	Ebco / Hettich / Ozone / Dorset / Olive	
25	Shutter Hinges	Ebco / Hettich / Ozone / Dorset / Olive	
26	Latch	Local : SS or Aluminum	
27	Tower bolt	Local : SS or Aluminum	
28	Cylindrical lock	LINK / DORSET / GODREJ / Ebco	
29	Door Lock	LINK / DORSET / GODREJ / Ebco	
30	Drawer Lock	LINK / DORSET / GODREJ / Ebco	
31	Storage Lock	LINK / DORSET / GODREJ / Ebco	
32	Magnetic Ball Catch	LINK / DORSET / GODREJ / Ebco	
	, , , , , , , , , , , , , , , , , , ,	GKW / LAXMI or equivalent	
33	Screws Glass Hardware	CITY / EAXIVII OF EQUIVALENT	
0.1	Floor Spring, Patch Fittings,	They (Hallish (Orang (Dayset	
34		Ebco / Hettich / Ozone / Dorset	
35	Door Closure	Ebco / Hettich / Ozone / Dorset	
36	S.S. Door Handle	Ebco / Hettich / Ozone / Dorset	
	### The ORIENTAL INSURANCE CO LTD, res	ere all rights to change or cancel above written specifications without prior notice.	

MAKE LIST - Part II			
Sr. No.	Details of Equipment/ Material	Manufacturer's/Make Name	

1 Chilled Condenser Pumps: Kriticatar / Ball & Gossett / Willo (Mather-Platt) / Grindina / Garden / Ball & Gossett / Willo (Mather-Platt) / Grindina / Garden / Ball & Gossett / Willo (Mather-Platt) / Grindina / Garden / Ball more / Evepco / Advance / Ball for Cool / Emeral / Sandhu / Ballmore / Evepco / Advance / Ball for Cool / Emeral / Sandhu / Ballmore / Evepco / Advance / Ball for Cool / Emeral / Sandhu / Ballmore / Evepco / Advance / Ball for Cool / Bal	II)	HVAC ITEM:	Manufacturer's Name
2 Chilled Condenser Pumps:  Mather - Platt) / Grundlos  3 Ocoling Towers  Nhon Spindal / Baltimore / Evepce / Advance  Rapid Cood / Emeratd / Sandhu  5 Air Handling Units & TFA:  Nat Handling Units & TFA:  No Config Tower   Market Generator    As per manufacture standered  Kugur / Nakoria / Corriori Equivalent with AMICA / Eurovent Certification  6 Fan Coil Unit & Cassette Unit   Sinko / Carryaire / Trane  7 Spirt AC   CARRIER / DAIKIN / BLUESTAR / LLOYD or Equiv.  7 A Stabilizers for Spirt AC   MICROTEK / V-QUARD / SEN & PANDIT / LUMINOUS  8 Plate Type Heate Exchanger   Alpha / GEA    9 Oil Type Heater   Emerat / Fapid Cool / KEPL    10 MS - Pipes:  10 Upto 150mm dia   Tata / Jindal Hissar / Sail    11 Butterly Valves   Advance / Audoo / Dantoss    12 Motorized Butterly Valve   Belimor / Dantoss / Stemens / Oventrop    13 Pressure independent control valve (PICV)   Dantoss / Oventrop / Stemens / Oventrop    16 Balancing Valves   Advance / Audoo / Kitz    17 Ball valve   Zoloto / Audoo / RC / Emeratd / Pando / Pandoss / Stemens / Oventrop    18 Ball valve   Zoloto / Audoo / RC / Emeratd / Pando / Pandoss / Pandos /	1	Chiller	Blue Star / York / Daikin / Dunham Bush / Carrier
Mather-Platty/ Grundfos   Nathor-Sprintal Palatimore / Evepoo / Advance	2	1	Kirloskar / Bell & Gossett / Wilo
4 Hot Water Generator 5 Air Handling Units & TFA: 1 Air Handling Units & TFA: 2 In Handling Units & VTS / Edgetech / Zoco / System Air / Crystal Air 3 According Coll 3 As per manufacture standered 4 Kruger / Nikotra (Conferi Equivalent with AMCA / Eurovent Certification 6 Fan Coil Unit & Cassette Unit 7 Spitt AC 6 Fan Coil Unit & Cassette Unit 8 Plate Type Heat Exchanger 9 Oil Type Heat Exchanger 9 Oil Type Heater 10 MS - Pipes: 10 MS - Pipes: 11 MS - Pipes: 12 Morrored Butterfly Valve 13 Above 150mm dia Tata / Jindal Hissar / Sail 14 Dutlerfly Valves 15 Morrored Butterfly Valve 16 Belinor / Dantoss / Siemens / Coventrop 17 Belance / Dantoss / Siemens / Coventrop 18 Balancing Valves 18 Advance / Auddoc / Kitz 19 Balancing Valves 19 Dantoss / Auddoc / Ritz 2 Nation / Auddoc / Ritz 2 Nation / Auddoc / Ritz 2 Nation / Auddoc / Ritz 3 Pessaure independent control valve (PICV) 19 Dantoss / Owntrop / Siemens 10 Nation / Auddoc / Ritz 2 Nation / Auddoc / Ritz 3 Pessaure independent control valve (PICV) 2 Dantoss / Auddoc / Ritz 3 Pessaure independent control valve (PICV) 3 Dantoss / Auddoc / Ritz 4 Check Valves 5 Dantoss / Auddoc / Ritz 4 Check Valves 5 Dantoss / Auddoc / Ritz 5 Ball valve 5 Dantoss / Auddoc / Ritz 5 Ball valve 7 Dantoss / Remens / Owntrop 7 Siemens 7 Dentor / Siemens / Owntrop 8 Dentor / Siemens / Owntrop 9 Porty Siemens 9 Dantoss / Remore / Owntrop 19 Expansion Bellow 19 Per Siemens 19 Pessaure Gauge (Industrial Type) 19 Per Siemens / Honeywell / Siemens / Anergy / Armatrong / Emerald / Sandhu 19 Pessaure Gauge (Industrial Type) 19 Pessaure Gauge (Industrial Type) 19 Per Siemens / Rapid Coort / Anergy / Sant 19 Pessaure Gauge (Industrial Type) 19 Pessaure Gauge (Industrial Type) 19 Pessaure Gauge (Industrial Type) 20 Per Siemens / Rapid Coort / Remordor 21 Dantoss / Remord / Sandhu / Emerald 22 Closed Expansion Trank 23 Anergy / Rapid Cool / Sent 24 Thermorater 25 Dantoss / Ra		Chilled/ Condenser Pumps:	(Mather+Platt) / Grundfos
5 Air Handling Units & TFA:  (i) Air Handling Units (Continue)  (iii) Cooling Cotal (Continue)  As par manufacture standard  (iv) Fan (Continue)  (iv) Split AC (Continue)  (iv) Split AC (Continue)  (iv) Split AC (Continue)  (iv) Split AC (Continue)  (iv) MCROTEK / V-GUARD / SEN & PANDIT / LUMINOUS  (iv) MCROTEK / MCROTEK / MCROTEK / LUMINOUS  (iv) MCROTEK / MCROT	3	Cooling Towers	Nihon Spindal / Baltimore / Evepco / Advance
Air Handling Units	4	Hot Water Generator	Rapid Cool / Emerald / Sandhu
ii) Cooling Coil As per manufacture standered Kruger / Nikotra / Comferi Equivalent with AMCA / Eurovent Certification Fan Coil Unit & Cassotte Unit Sinko / Carryaire / Trane CARRIER / DAIKIN / BLUESTAR / LLOYD or Equiv.  7 Split AC MICROTEK / V-GUARD / SEN & PANDIT / LUMINOUS 8 Plate Type Heat Exchanger 9 Oil Type Heater 10 M.S. Pipes: 11	5	Air Handling Units & TFA:	
Kinger / Nikotra / Cernfer Equivalent with AMCA / Eurovent	i)	Air Handling Units	VTS / Edgetech / Zeco / System Air / Crystal Air
Fan Coll Unit & Cassette Unit	ii)	Cooling Coil	As per manufacture standered
CARRIER / DAIKIN / BLUESTAR / LLOYD or Equiv.  7A Stabilizers for Split AC MICROTEK / V-GUARD / SEN & PANDIT / LUMINOUS  8 Plate Type Heat Exchanger Alpha / GEA  9 Oil Type Heater Exchanger Emerald / Rapid Cool / KEPL  10 M.S. Pipes:  11 Upto 150mm dia Tata / Jindal Hissar / Sail  11 Butterfly Valves Advance / Audoo / Danfoss / Siemens / Oventrop  12 Motorized Butterfly Valve Belimo / Danfoss / Siemens / Oventrop  13 Pressure independent control valve (PICV) Danfoss / Siemens / Oventrop  14 Check Valves Advance / Audoo / RC / Emerald  15 Ball valve Zoloto / Audoo / RC / Emerald  16 Balancing Valves Underwind thermostat Belimo / Honeywell / Siemens  17 2-way no eff valve with thermostat Belimo / Honeywell / Siemens  18 2-way on eff valve with thermostat PCU Belimo / Honeywell / Siemens  20 Polof-Strainers Sandhu / Rapid Cool / Sant  21 Suction Guide with Strainer Balmo / Belimo / Honeywell / Siemens / Anergy / Armstrong / Emerald / Sandhu  22 BTU meter Belimo / Belimo / Honeywell / Siemens / Anergy / Omnicron  24 Thermostat Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron  25 Pressure Gauge (Industrial Type) Feibly / H. Guru / Emerald  26 Olfferential Pressure Switch Siemens / Anergy / Pantierd  27 Thermometers Feiblg / H. Guru / Emerald  28 Alf Separator Tank  29 Anergy / Rapid Cool / Oventrop / Emerald  29 Alf Separator Tank  20 Anergy / Replat Cool / Cant / Anergy / Pantierd  20 Closed Expansion Tank  21 Anergy / Replat Cool / Control / Anergy / Sant  29 Closed Expansion Tank  20 Anergy / Replat Cool / Centrol / Anergy / Sant  20 Closed Expansion Tank  21 Anergy / Replat Cool / Oventrop / Emerald  20 Closed Expansion Tank  21 Anergy / Replat Cool / Oventrop / Emerald  22 Closed Expansion Tank  23 Anergy / Replat Cool / Centrol / Anergy / Re	iii)	Fan	
TA Stabilizers for Split AC  Plate Type Heat Exchanger  Plate Type Heat Exchanger  Julyo 150mm dia  Tata / Jindal Hissar / Sail  Julyo 150mm dia  Tata / Jindal Hissar / Sail  Tata / Jindal Hissar / Sail  Advance / Audoo / Danfoss  Belimo / Danfoss / Stemens / Oventrop  Danfoss / Oventrop / Stemens  Zoloto / Audoo / RC / Emerald  Ball salancing Valves  Ball valve  Zoloto / Audoo / RC / Emerald  Ball salancing Valves with Thermostat  Sain / Honeywell / Stemens  Pol'V-Strainers  Sandhu / Rapifa Cool / Sant  Suction Guide with Strainer  Belimo / Bensor   Belimo / Honeywell / Stemens    Anergy / Amstrong / Emerald / Sandhu  Belimo / Honeywell / Stemens    Poliferhital Pressure Switch  Siemens   Honeywell / Stemens    Perssure Gauge (Industrial Type)  Feibig / H. Guru / Emerald  Danfoss / Belimo / Honeywell / Stemens    Belimo / Honeywell / Stemens / Anergy / Omnicron  Danfoss / Belimo / Honeywell / Stemens / Anergy / Omnicron  Danfoss / Belimo / Honeywell / Stemens / Anergy / Omnicron  Danfoss / Belimo / Honeywell / Stemens / Anergy / Omnicron  Pressure Gauge (Industrial Type)  Feibig / H. Guru / Emerald  Danfoss / Belimo / Honeywell / Stemens / Anergy / Omnicron  Danfoss / Belimo / Honeywell / Stemens / Anergy / Omnicron  Anergy / Rapid Cool / Oventrop / Emerald  Belimo / Stemens / Sandhu / Emerald  Belimo / Steme	6	Fan Coil Unit & Cassette Unit	Sinko / Carryaire / Trane
Plate Type Heat Exchanger	7	Split AC	CARRIER / DAIKIN / BLUESTAR / LLOYD or Equiv.
Society   Continue	7A	Stabilizers for Split AC	MICROTEK / V-GUARD / SEN & PANDIT / LUMINOUS
10 M.S. Pipes:  i) Upto 150mm dia Tata / Jindal Hissar / Sall  iii) Above 150mm dia Tata / Jindal Hissar / Sall  iii) Above 150mm dia Tata / Jindal Hissar / Sall  12 Motorized Butterfly Valves Advance / Audco / Danfoss / Denfoss / Denfos / Denfos / Denfos / Denfos / Denfos / Denfos / D	8	Plate Type Heat Exchanger	Alpha / GEA
ij) Upto 150mm dia Tata / Jindal Hissar / Sail ij) Above 150mm dia Tata / Jindal Hissar / Sail 11 Butterfly Valves Advance / Audco / Danfoss 12 Motrozed Butterfly Valve Belimo / Danfoss / Slemens / Oventrop 13 Pressure independent control valve (PICV) Danfoss / Oventrop / Slemens 14 Check Valves Advance / Audco / Kitz 15 Ball valve Zoloto / Audco / RC / Emerald 16 Balancing Valves Danfoss / Audco / Audco / RC / Emerald 17 2-way Modulating Valves With Thermostat Belimo / Honeywell / Slemens 18 2-way on off valve with thermostat for FCU Belimo / Honeywell / Slemens 19 Expansion Bellows Easyllex / Resistoflex / Areaflex / Dunlop 20 Potry-Strainers Sandhu / Rapid Cool / Sant 21 Suction Guide with Strainer Anergy / Armstrong / Emerald / Sandhu 22 BTU meter Belimo / Honeywell / Slemens / Honeywell / Shenitech 23 RH Sensor Bellimo / Belimo / Honeywell / Slemens / Honeywell / Shenitech 24 Thermostat Danfoss / Belimo / Honeywell / Siemens / Anergy / Armstrong / Emerald / Sandhu 25 Pressure Gauge (Industrial Type) Felbig / H. Guru / Emerald 26 Differential Pressure Switch Slemens / Rapid Control / Anergy / Sant 27 Thermometers Felbig / H. Guru / Emerald 30 Auto Air Vent Anergy / Rapid Cool / Cventrop / Emerald 31 Plug Valve Anergy / Rapid Cool / Cventrop / Emerald 32 G.I. Sheets Sail / Tata / Jindal 33 MS. Sheets Hindalco / Balco / NALCO 34 Fire Dampers 35 Damper Actuator Belimo / Systemair / Carryaire / Bright Flow / Tristar	9	Oil Type Heater	Emerald / Rapid Cool / KEPL
Above 150mm dia	10	M.S. Pipes:	
Advance / Audco / Danfoss  Advance / Audco / Danfoss  Advance / Audco / Danfoss / Siemens / Oventrop  Danfoss / Oventrop / Siemens  Advance / Audco / Kiz  Check Valves  Advance / Audco / Kiz  Ball valve  Zoloto / Audco / RC / Emerald  Balancing Valves with Thermostat  Belimo / Honeywell / Siemens  Avance / Oventrop / Siemens  Advance / Audco / RC / Emerald  Balancing Valves  Danfoss / Audco / Advance / Oventrop  2-way Modulating Valves with Thermostat  Belimo / Honeywell / Siemens  Expansion Bellows  Expansion Bellows  Expansion Bellows  Expansion Guide with Strainer  Pol/Y-Strainers  Sandhu / Rapid Cool / Sant  Anergy / Amstrong / Emerald / Sandhu  Belimo / Honeywell / Siemens / Honeywell / Siemens  Belimo / Honeywell / Siemens / Honeywell / Siemens  Anergy / Amstrong / Emerald / Sandhu  Polfoss / Belimo / Honeywell / Siemens / Honeywell / Honeywell / Honeywell / Siemens / Honeywell / Sie	i)	Upto 150mm dia	Tata / Jindal Hissar / Sail
Motorized Butterfly Valve   Belimo / Danfoss / Siemens / Oventrop	ii)	Above 150mm dia	Tata / Jindal Hissar / Sail
Pressure independent control valve (PICV)  Danfoss / Oventrop / Siemens  Advance / Audco / Kitz  Zoloto / Audco / RG / Emerald  Danfoss / Audco / Audco / Audco / RG / Emerald  Danfoss / Audco /	11	Butterfly Valves	Advance / Audco / Danfoss
Advance / Audco / Kitz    Sall valve	12	Motorized Butterfly Valve	Belimo / Danfoss / Siemens / Oventrop
Ball valve   Zoloto / Audco / RC / Emerald	13	Pressure independent control valve (PICV)	Danfoss / Oventrop / Siemens
Danfoss / Audco / Advance / Oventrop  2-way Modulating Valves with Thermostat  Belimo / Honeywell / Siemens  Bandhu / Rapid Cool / Sant  Suction Guide with Strainer  Bru meter  Belimo / Siemens / Honeywell / Shenitech  Belimo / Honeywell / Siemens / Honeywell / Shenitech  Belimo / Honeywell / Siemens / Omnicron  Belimo / Honeywell / Siemens / Anergy / Omnicron  Pressure Gauge (Industrial Type)  Pressure Gauge (Industrial Type)  Pressure Switch  Belimo / Honeywell / Siemens / Anergy / Omnicron  Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron  Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron  Belimo / Honeywell / Siemens / Anergy / Omnicron  Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron  Danfoss / Belimo / Honeywell / Siemens / Anergy / Belimo / Belimo / Belimo / Belimo / Belimo / Belimo / Siemens / Rapid Cool / Emerald  Anergy / Emerald / Sandhu / Anergy / Rapid Cool / Control / Emerald  Anergy / Belimo / Siemens / Belimo / Belimo / Balco / NALCO  Anergy / Bapid Cool / Emerald  Belimo / Balco / NALCO  Belimo / Belimo / Semines / Sinider	14	Check Valves	Advance / Audco / Kitz
2-way Modulating Valves with Thermostat Belimo / Honeywell / Siemens Sandhu / Rapid Cool / Sant Suction Guide with Strainer Sandhu / Rapid Cool / Sant Belimo / Honeywell / Siemens / Honeywell / Shenitech Belimo / Siemens / Honeywell / Shenitech Belimo / Honeywell / Siemens / Omnicron Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Siemens / Omnicron Danfoss / Belimo / Honeywell / Danfos / Omnicron Danfoss / Belimo / Honeywell / Danfos / Danfos / Danfos / Danfos / Danfo	15	Ball valve	Zoloto / Audco / RC / Emerald
2-way on off valve with thermostat for FCU Belimo / Honeywell / Siemens  Easyllex / Resistoflex / Areaflex / Dunlop  Pot/Y-Strainers Sandhu / Rapid Cool / Sant  Suction Guide with Strainer Belimo / Siemens / Honeywell / Shenitech  Belimo / Honeywell / Shenitech  Belimo / Honeywell / Shenitech  Belimo / Honeywell / Siemens / Honeywell / Shenitech  Belimo / Honeywell / Siemens / Anergy / Omnicron  Pressure Gauge (Industrial Type) Briebig / H. Guru / Emerald  Differential Pressure Switch Siemens / Rapid Control / Anergy / Sant  Closed Expansion Tank Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Oventrop / Emerald  Belimo / Honeywell / Siemens / Anergy / Sant  Anergy / Repid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Santh  Anergy / Rapid Cool / Santh  Anergy / Rapid Cool / Santh  Anergy / Rapid Cool / Emerald  Belimo / Santh / Greenheck  Belimo / Semines / Sinider  Systemair / Carryaire / Ruskin / Greenheck  Belimo / Semines / Sinider	16	Balancing Valves	Danfoss / Audco / Advance / Oventrop
Expansion Bellows Easyflex / Resistoflex / Areaflex / Dunlop  Pot/Y-Strainers Sandhu / Rapid Cool / Sant  Expansion Guide with Strainer Anergy / Armstrong / Emerald / Sandhu  Ellimo / Siemens / Honeywell / Shenitech  Ellimo / Honeywell / Siemens / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Omnicron  Ellimo / Honeywell / Siemens / Anergy / Sant  Ellimo / Honeywell / Siemens / Anergy / Sant  Ellimo / Honeywell / Siemens / Anergy / Sant  Ellimo / Honeywell / Siemens / Anergy / Sant  Anergy / Ellimo / Ellimo / Sandhu / Emerald  Anergy / Ellimo / Senterlad / Sandhu  Anergy / Enerald / Sandhu  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Emerald  Bellimo / Semines / Sinider  Systemair / Carryaire / Ruskin / Greenheck  Bellimo / Semines / Sinider  Systemair / Carryaire / Bright Flow / Tristar	17	2-way Modulating Valves with Thermostat	Belimo / Honeywell / Siemens
Pot/Y-Strainers Sandhu / Rapid Cool / Sant Suction Guide with Strainer Anergy / Armstrong / Emerald / Sandhu Belimo / Siemens / Honeywell / Shenitech Belimo / Honeywell / Siemens / Omnicron  Belimo / Honeywell / Siemens / Omnicron  Pressure Gauge (Industrial Type) Feibig / H. Guru / Emerald  Siemens / Rapid Control / Anergy / Sant  Thermometers Feibig / H. Guru / Emerald  Closed Expansion Tank Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Emerald / Sandhu Auto Air Vent Anergy / Rapid Cool / Oventrop / Emerald  Jelug Valve Anergy / Rapid Cool / Coventrop / Emerald  Anergy / Rapid Cool / Coventrop / Emerald  Anergy / Rapid Cool / Emerald  Anergy / Rapid Cool / Emerald  Anergy / Rapid Cool / Emerald  Belimo / Balco / NALCO  Anergy / Rapid Coor / NALCO  Anergy / Rapid Coor / Carryaire / Ruskin / Greenheck  Belimo / Semines / Sinider  Systemair / Carryaire / Buskin / Greenheck  Belimo / Semines / Sinider	18	2-way on off valve with thermostat for FCU	Belimo / Honeywell / Siemens
21 Suction Guide with Strainer 22 BTU meter 33 RH Sensor 45 Belimo / Siemens / Honeywell / Shenitech 26 Brumostat 27 Thermostat 28 Differential Pressure Switch 29 Closed Expansion Tank 29 Air Separator 30 Auto Air Vent 31 Plug Valve 32 G.I. Sheets 33 MS. Sheets 34 Fire Dampers 36 Grills/Diffusers 46 Differential Pressure 46 Differential Pressure Switch 57 Selimo / Honeywell / Siemens / Anergy / Omnicron 47 Siemens / Rapid Control / Anergy / Sant 48 Selimo / Honeywell / Siemens / Anergy / Sant 49 Feibig / H. Guru / Emerald 40 Siemens / Rapid Control / Anergy / Sant 40 Anergy / Bell & Gossett / Sandhu / Emerald 41 Anergy / Bell & Gossett / Sandhu 42 Anergy / Rapid Cool / Oventrop / Emerald 43 Anergy / Rapid Cool / Oventrop / Emerald 44 Fire Dampers 45 Systemair / Carryaire / Ruskin / Greenheck 46 Grills/Diffusers 46 Grills/Diffusers 47 Systemair / Carryaire / Bright Flow / Tristar	19	Expansion Bellows	Easyflex / Resistoflex / Areaflex / Dunlop
BEIIm o / Siemens / Honeywell / Shenitech Belimo / Honeywell / Siemens / Omnicron  Belimo / Honeywell / Siemens / Omnicron  Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron  Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron  Pressure Gauge (Industrial Type) Feibig / H. Guru / Emerald  Siemens / Rapid Control / Anergy / Sant  Thermometers Feibig / H. Guru / Emerald  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Emerald / Sandhu  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Emerald  Siemens / Rapid Cool / Emerald  Hindalco / Balco / NALCO  Siemens / Rapid Cool / Emerald  Sail / Tata / Jindal  Hindalco / Balco / NALCO  Systemair / Carryaire / Ruskin / Greenheck  Belimo / Semines / Sinider  Systemair / Carryaire / Bright Flow / Tristar	20	Pot/Y-Strainers	Sandhu / Rapid Cool / Sant
Belimo / Honeywell / Siemens / Omnicron  24 Thermostat Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron  25 Pressure Gauge (Industrial Type) Feibig / H. Guru / Emerald  26 Differential Pressure Switch Siemens / Rapid Control / Anergy / Sant  27 Thermometers Feibig / H.Guru / Emerald  28 Closed Expansion Tank Anergy / Bell & Gossett / Sandhu / Emerald  29 Air Separator Anergy / Emerald / Sandhu  30 Auto Air Vent Anergy / Rapid Cool / Oventrop / Emerald  31 Plug Valve Anergy / Rapid Cool / Emerald  32 G.I. Sheets Sail / Tata / Jindal  33 MS. Sheets Hindalco / Balco / NALCO  34 Fire Dampers Systemair / Carryaire / Ruskin / Greenheck  35 Damper Actuator Belimo / Semines / Sinider  36 Grills/Diffusers Systemair / Carryaire / Bright Flow / Tristar	21	Suction Guide with Strainer	Anergy / Armstrong / Emerald / Sandhu
Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron  25 Pressure Gauge (Industrial Type)  26 Differential Pressure Switch  27 Thermometers  28 Closed Expansion Tank  29 Air Separator  30 Auto Air Vent  31 Plug Valve  4 Anergy / Rapid Cool / Oventrop / Emerald  32 G.I. Sheets  33 MS. Sheets  4 Fire Dampers  5 Systemair / Carryaire / Ruskin / Greenheck  5 Siemens / Rapid Control / Anergy / Sant  5 Feibig / H. Guru / Emerald  5 Siemens / Rapid Control / Anergy / Sant  5 Siemens / Rapid Control / Anergy / Sant  5 Anergy / Bell & Gossett / Sandhu / Emerald  7 Anergy / Emerald / Sandhu  7 Anergy / Rapid Cool / Oventrop / Emerald  8 Sail / Tata / Jindal  9 Siemens / Sail / Tata / Jindal  9 Anergy / Rapid Cool / Emerald  9 Systemair / Carryaire / Ruskin / Greenheck  9 Damper Actuator  9 Systemair / Carryaire / Bright Flow / Tristar	22	BTU meter	Belimo / Siemens / Honeywell / Shenitech
Pressure Gauge (Industrial Type)  Feibig / H. Guru / Emerald  Differential Pressure Switch  Siemens / Rapid Control / Anergy / Sant  Feibig / H. Guru / Emerald  Closed Expansion Tank  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Emerald / Sandhu  Anergy / Rapid Cool / Oventrop / Emerald  Plug Valve  Anergy / Rapid Cool / Oventrop / Emerald  Coll / Emerald  Anergy / Rapid Cool / Emerald  Anergy / Rapid Cool / Emerald  Feibig / H. Guru / Emerald  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Emerald  Sail / Tata / Jindal  Anergy / Rapid Cool / Emerald  Sail / Tata / Jindal  Anergy / Rapid Cool / Emerald  Anergy / Rapid Cool / Emerald  Sail / Tata / Jindal  Anergy / Rapid Cool / Emerald  Sail / Tata / Jindal  Anergy / Rapid Cool / Emerald  Anergy / Rapid Cool / Oventrop / Emerald	23	RH Sensor	Belimo / Honeywell / Siemens / Omnicron
Differential Pressure Switch Siemens / Rapid Control / Anergy / Sant Feibig / H.Guru / Emerald Closed Expansion Tank Anergy / Bell & Gossett / Sandhu / Emerald Anergy / Bell & Gossett / Sandhu / Emerald Anergy / Emerald / Sandhu Anergy / Rapid Cool / Oventrop / Emerald Plug Valve Anergy / Rapid Cool / Emerald Anergy / Rapid Cool / Emerald  G.I. Sheets Sail / Tata / Jindal Altindalco / Balco / NALCO Fire Dampers Systemair / Carryaire / Ruskin / Greenheck Belimo / Semines / Sinider Systemair / Carryaire / Bright Flow / Tristar	24	Thermostat	Danfoss / Belimo / Honeywell / Siemens / Anergy / Omnicron
Thermometers  Eeibig / H.Guru / Emerald  Rergy / Bell & Gossett / Sandhu / Emerald  Anergy / Bell & Gossett / Sandhu / Emerald  Anergy / Emerald / Sandhu  Anergy / Rapid Cool / Oventrop / Emerald  Plug Valve  Anergy / Rapid Cool / Emerald  Rergy	25	Pressure Gauge (Industrial Type)	Feibig / H. Guru / Emerald
28 Closed Expansion Tank  29 Air Separator  Anergy / Bell & Gossett / Sandhu / Emerald  29 Air Separator  Anergy / Rapid Cool / Oventrop / Emerald  30 Auto Air Vent  31 Plug Valve  Anergy / Rapid Cool / Emerald  32 G.I. Sheets  Sail / Tata / Jindal  33 MS. Sheets  Hindalco / Balco / NALCO  34 Fire Dampers  Systemair / Carryaire / Ruskin / Greenheck  35 Damper Actuator  Belimo / Semines / Sinider  Systemair / Carryaire / Bright Flow / Tristar	26	Differential Pressure Switch	Siemens / Rapid Control / Anergy / Sant
Anergy / Emerald / Sandhu  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Emerald  Anergy / Rapid Cool / Oventrop / Emerald  Anergy / Rapid Cool / Emerald  Anergy / Emerald / Emerald Cool / Emerald  Anergy / Emerald / Emerald Cool / Emerald  Anergy / Em	27	Thermometers	Feibig / H.Guru / Emerald
30 Auto Air Vent Anergy / Rapid Cool / Oventrop / Emerald 31 Plug Valve Anergy / Rapid Cool / Emerald 32 G.I. Sheets Sail / Tata / Jindal 33 MS. Sheets Hindalco / Balco / NALCO 34 Fire Dampers Systemair / Carryaire / Ruskin / Greenheck 35 Damper Actuator Belimo / Semines / Sinider 36 Grills/Diffusers Systemair / Carryaire / Bright Flow / Tristar	28	Closed Expansion Tank	Anergy / Bell & Gossett / Sandhu / Emerald
31 Plug Valve Anergy / Rapid Cool / Emerald 32 G.I. Sheets Sail / Tata / Jindal 33 MS. Sheets Hindalco / Balco / NALCO 34 Fire Dampers Systemair / Carryaire / Ruskin / Greenheck 35 Damper Actuator Belimo / Semines / Sinider 36 Grills/Diffusers Systemair / Carryaire / Bright Flow / Tristar	29	Air Separator	Anergy / Emerald / Sandhu
32 G.I. Sheets Sail / Tata / Jindal 33 MS. Sheets Hindalco / Balco / NALCO 34 Fire Dampers Systemair / Carryaire / Ruskin / Greenheck 35 Damper Actuator Belimo / Semines / Sinider 36 Grills/Diffusers Systemair / Carryaire / Bright Flow / Tristar	30	Auto Air Vent	Anergy / Rapid Cool / Oventrop / Emerald
33MS. SheetsHindalco / Balco / NALCO34Fire DampersSystemair / Carryaire / Ruskin / Greenheck35Damper ActuatorBelimo / Semines / Sinider36Grills/DiffusersSystemair / Carryaire / Bright Flow / Tristar	31	Plug Valve	Anergy / Rapid Cool / Emerald
34       Fire Dampers       Systemair / Carryaire / Ruskin / Greenheck         35       Damper Actuator       Belimo / Semines / Sinider         36       Grills/Diffusers       Systemair / Carryaire / Bright Flow / Tristar	32	G.I. Sheets	Sail / Tata / Jindal
35 Damper Actuator Belimo / Semines / Sinider 36 Grills/Diffusers Systemair / Carryaire / Bright Flow / Tristar	33	MS. Sheets	Hindalco / Balco / NALCO
36 Grills/Diffusers Systemair / Carryaire / Bright Flow / Tristar	34	Fire Dampers	Systemair / Carryaire / Ruskin / Greenheck
	35	Damper Actuator	Belimo / Semines / Sinider
37 Fresh Air Louvers Systemair / Carryaire / Bright Flow / Tristar	36	Grills/Diffusers	Systemair / Carryaire / Bright Flow / Tristar
	37	Fresh Air Louvers	Systemair / Carryaire / Bright Flow / Tristar

38	Nitrile Rubber	K-Flex / Armacell / Aerocell
39	Protective Coating over insulation (Lag coating)	CISBOND / Pidilite / Foster / Idendan
40	Glass Wool	K-Flex / UP TWIGA / Owens Corning / Kimmco
41	Insulation Adhesive	Pidilite / Foster / CISBOND / Henkel
42	Factory Made ducting	Ductofab / Zeco / Technofab / Ecoduct
43	Filters (in Air-conditioning system)	Thermodyne / Mechmaark / Camfil / AAF
44	Ventilation Fans:	,
i)	Tube/Vane Axial	Kruger/System Air/ Greenheck
ii)	Inline (Centrifugal)	Kruger/System Air/ Carryaire / Ostberg
iii)	Propeller Fans	Kruger/ GE / Alstom / Crompton
45	Air Washers/Scrubber:	
i)	Air Washer/Scrubber	Edgetech / Zeco / System Air / VTS / Crystal Air
,	F	Kruger / Nikotra / Comferi / Equivalent with AMCA
ii)	Fan	Certification
iii)	Pump	Kirloskar / Beacon
iv)	Filters	As per manufacturer's standard
46	Heat Recovery Wheel units	DRI / Ostberg / Flaktwood
47	Expanded Polystyrene (EPS)	Styrene / FGP / Pilkington / Indian
		Packaging
48	Vibration Isolator	Easyflex / Resistoflex / Dunlop
49	Anchor/Fastener	Hilti / Fisher / Raw plug
50	Duct Support	Gripple / GPL / Easyflex Zip-Clip
51	PUF Saddles	Lloyds / Beardsell / Malanpur
52	FCU link	ATS (CSI) / Oventrop / CIM
53	Sound Attenuator	Ruskin / Systemair / Trox
54	CO Sensor	Siemens / Omicron / Johnson
55	VFD	Danfoss / ABB / Siemens / Fuji
56	CO2 Sensor	Siemens / Omicron / Johnson
57	Demand Ventilation System	
i)	Equipment	Conaire / Glenstorm / Tristar
ii)	Motorized Assembly	Conaire / Glenstorm / Tristar
iii)	Integrator	Conaire / Glenstorm / Tristar
58	High Density PVC Pipe	Finolex / Kissan / Prince / Supreme
III )	ELECTRICAL WORKS	
	Details of Equipment/ Material	Manufacturer's Name
	Internal Electrical Works	W 11/01 11 N/2 17
1	GI pipes	Jindal (Ghaziabad)/ Surya / Tata
	M S Conduit	AKG / BEC / RMCON
3	Heavy Duty Accessories for MS Conduit	Rama Steel Tube / Sharma / Seema
4	PVC Conduit & Accessories	Polypack / BEC / AKG
5	Switch Socket Accessories	Legrand / MK / Schneider / Siemens / Crabtree
6	Copper conductor PVC insulated wires (FRLS)	Polycab / Havells / RR Kable / Parmount
7	Data Outlet	Molex / D Link / Avaya
	MCB/ELCB/RCCB/DB	MDS / Hager / Schneider/ Siemens / ABB
9	Timers & Contactors to be mounted in DB's	L&T / Siemens /GE / Schneider
	MV Contactors/Timer/ Starters	L&T/Siemens/GE/Schneider
11	Protective Relays	ABB/ Siemens/ L&T/ Schneider
12	kWh Meters (Electronic Digital type)/ Multifunction Meter/Ammeter/Voltmeter	Conzerv /Neptune/ L&T /Trinity
	LT Cables	Universal/Polycab/ Havells/Gloster
14	Indication Lamps/Push Button	L&T/ BCH/GE  Refer lighting section
15	Light Fixtures	I Hotor lighting cootion

## The Oriental Insurance Co. Ltd Guest House Flat No 201 202A, Shashi Complex, Nala Road, Pathi

16	Ceiling/Exhaust Fans	Crompton Greaves/Orient/ Khaitan/ Usha
17	Cable Tray	Slotco/ Profab/MEM/OBO
18	UPS	APC/Emerson/Socomec/Numeric
19	Polycarbonate Junction Boxes	Hensel/ Clipsal/Mennekes
	External Electrical Works	
20	HT Panel Boards	Siemens/ ABB/ L&T/ Schneider
21	Power Transformers	Schneider/ ABB/Crompton Greaves
22	Transformers (Distribution)	Recon/Schneider/ABB/Crompton Greaves /Kirloskar
23	Relays	ABB/Siemens/ L&T/ Schneider
24	HT XLPE 33 KV/ 11 KV Cable	Polycab/ Havells/ Universal/ Gloster
25	HT Cable Termination/ Jointing Kit	Raychem/3M
26	L.T. Panel Boards/Sub-Panel/ Feeder Pillar	SPC Electrotech/ Tricolite/ Adlec
27	ACB	Schneider (MVS)/ L&T (U Power)/ ABB (E-Max)/ Siemens (3WL)
28	MCCB	Schneider (CVS)/ L&T (D-Sine)/ ABB (T-Max)/ Siemens (3VA)
29	Capacitor	L&T/Siemens/Vishey/Epcos/Ducati
30	Control Cable	Universal/Polycab/ Havells/Gloster
31	Selector Switch	Rishab – L&T/ Kaycee/ Siemens/ C&S
32	CT/PT	AE/Gilbert / Precise/ C&S/
33	Aviation Light	Bajaj/Wipro/Philips
34	Photo Chromatic Switch	Bajaj/Wipro/Philips
35	Lightning Arrestor	DEHN/ Furse/ OBO
36	Surge Arrestor	DEHN/ OBO/ Furse
37	Annunciation Panel	Crompton/ Schneider/ Kirloskar/ ABB/ Siemens
38	APFCR	L&T/Siemens/Ducati/ Schneider
39	Terminal Blocks	BCH/Industrial Control/ L-Mak/ Jainson
40	Change Over Switch	L&T/Socomec/Siemens/Emerson
41	Bus Duct/Rising main (Sandwich)	L&T (Henikwon)/ Godrej/ Schneider/C&S
42	Rising main (Sandwich)	L&T (Henikwon)/ Godrej/ Schneider/C&S
43	Bus bar	Jindal/Indalco/Century
44	PLC	Allen Bradley /Siemens/ Schneider
45	Invertor	Luminous/Microtec/Sukam
46	Chemical Earthing	Vnt/ Terecplus/ Erico

# GUEST HOUSE & BACHELOR'S ACCOMMODATION, Patna

## **TENDER DRAWINGS**

Tender No: RO / Estate / 2021-22 / 02 Date: 28 / 09 / 2021

## THE ORIENTAL INSURANCE COMPANY LIMITED GUEST HOUSE & BACHELOR'S ACCOMODATION

at Flat No 201, & 202A, Shashi Palace, Nala Road, Patna- 800004



Project :-

#### **GUEST HOUSE**

THE ORIENTAL INSURANCE COMPANY LTD.

Site Locatio

Flat No : 201, 2nd Floor, Shashi Palace, Nala Road, Patna - 800017. Contact: +91-930886 26556

#### INTERIOR LAYOUT PLANS & LOOSE/FIXED FURNITURE DRAWING/DETAILS

# PLAN LAYOUTS : ID-210238 - A = 001, ID-210238 - A = 002, ID-210238 - A = 011.

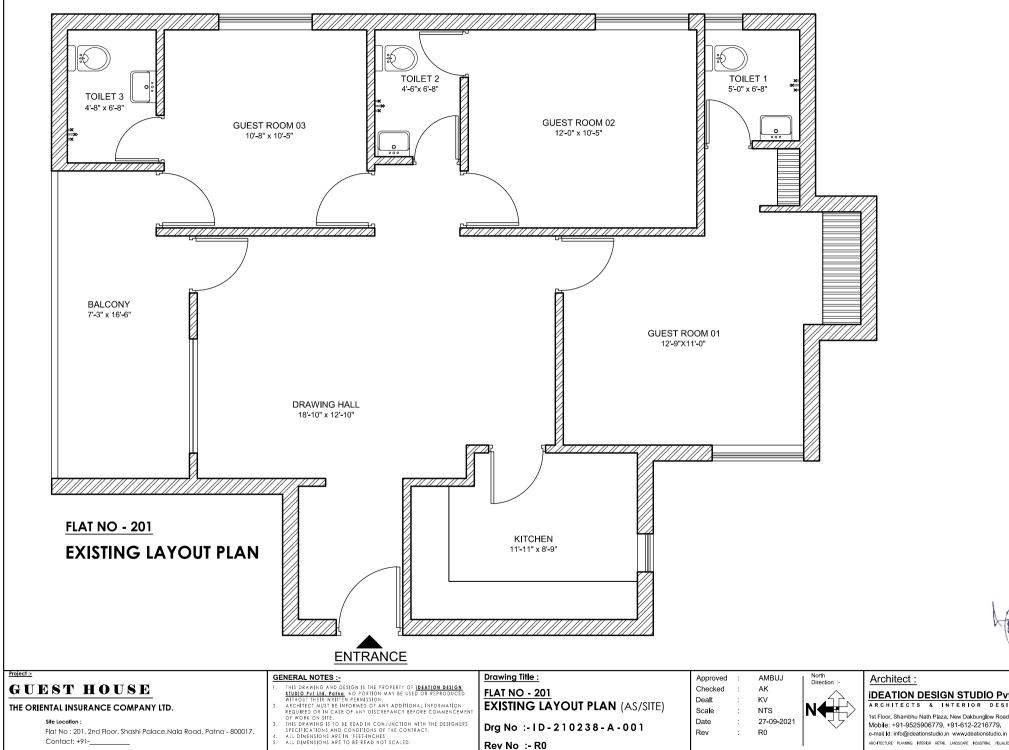
#Furniture Details : ID-210238 - F - 101, ID-210238 - F - 202, ID-210238 - F - 202, ID-210238 - F - 203.

#### Architect :

#### **IDEATION DESIGN STUDIO Pvt. Ltd.**

1st Floor, Shambhu Nath Plaza, New Dakbunglow Road, Patna-Mobile: +91-9525906779, +91-612-2216779. e-mail ld: info@ideationstudio.in www.ideationstudio.in





THE ORIENTAL INSURANCE COMPANY LTD.

Flat No: 201, 2nd Floor, Shashi Palace, Nala Road, Patna - 800017. Contact: +91-\_

**FLAT NO - 201** 

**EXISTING LAYOUT PLAN (AS/SITE)** 

Drg No:-ID-210238-A-001

Rev No :- R0

Rev

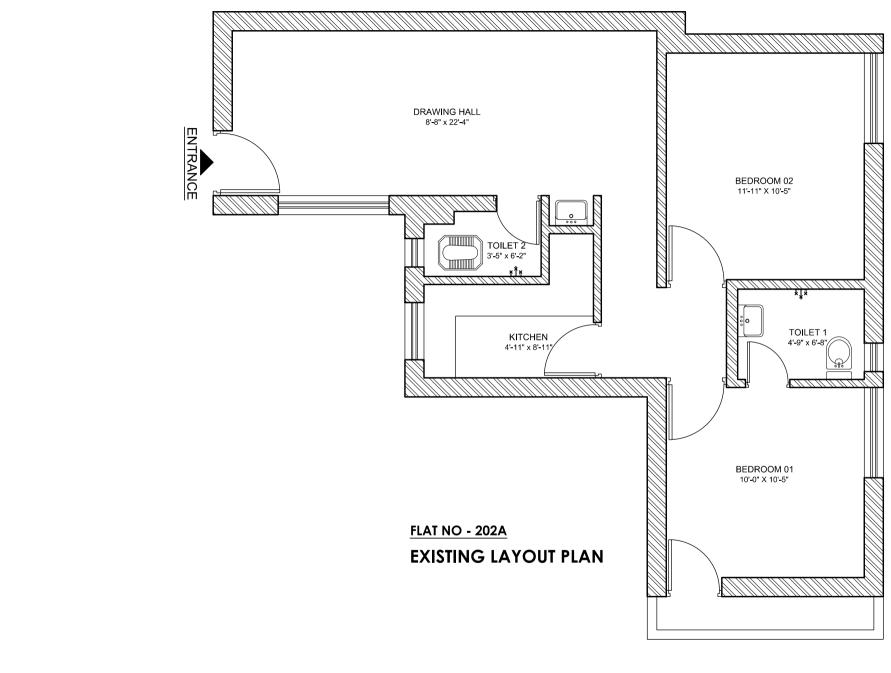
Dealt ΚV Scale NTS Date 27-09-2021

R0

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THE ORIENTAL INSURANCE COMPANY LTD.

Flat No: 201, 2nd Floor, Shashi Palace, Nala Road, Patna - 800017. Contact: +91-\_

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  ALL DIMENSIONS ARE TO BE READ NOT SCALED.

Drawing Title :

FLAT NO - 202A **GENERAL LAYOUT PLAN** 

Drg No :- I D - 210238 - A - 002

Rev No :- R0

Approved

AMBUJ

Checked ΑK Dealt ΚV

Scale NTS 27-09-2021 Date R0

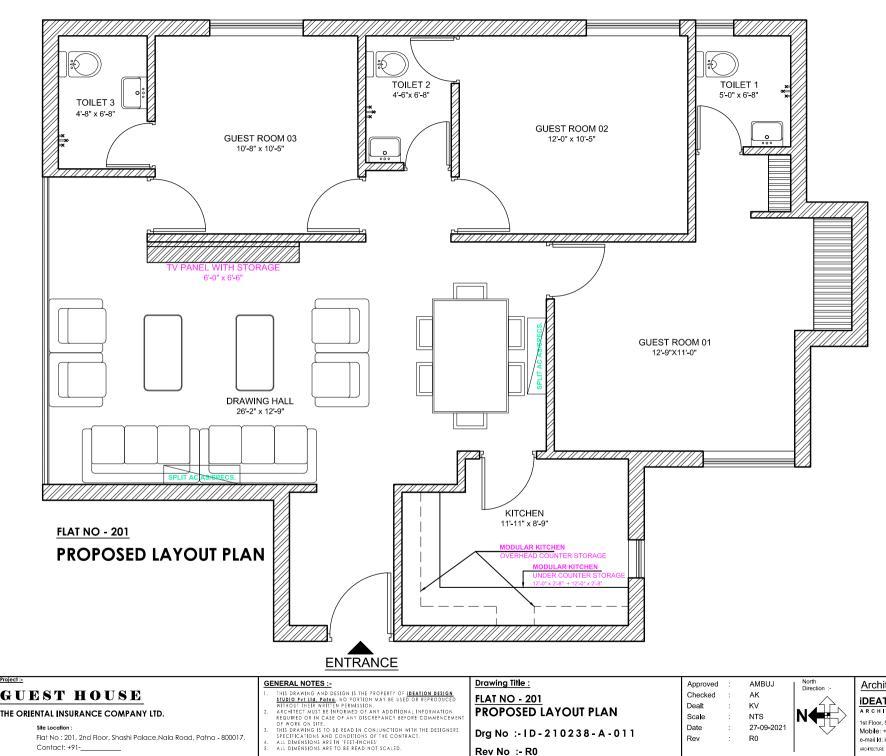
## North Direction :-

#### Architect:

#### iDEATION DESIGN STUDIO Pvt. Ltd.

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**FLAT NO - 201** 

PROPOSED LAYOUT PLAN

Drg No:-ID-210238-A-011

Rev No :- R0

Dealt ΚV NTS Scale

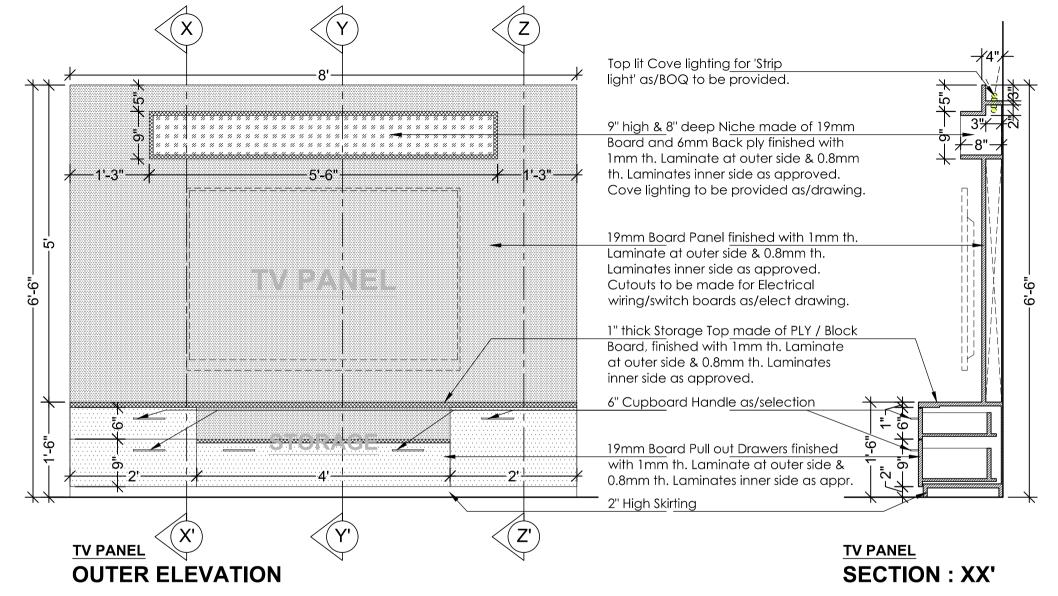
Date 27-09-2021 R0

#### Architect:

#### **IDEATION DESIGN STUDIO Pvt. Ltd.** ARCHITECTS & INTERIOR DESIGNERS

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#### GENERAL NOTE FOR FURNITURE FABRICATION :

- All Surface made of Board/Ply visible from Outside, to be finished with 1mm th. Laminate as/apprval of approved Make & Specifications.
- All inner Surface of Made of Board/Ply, to be finished with 0.8mm th. Laminate as/apprval of approved Make & Specifications.
- All Visible edges of Board/Ply should be finished with Edge binding tape not lesser than 1mm in thickness, in matching shade of Laminate of approved specifications as/Make list.
- 4. All Hydraulic Clip-on Hinges (auto-closer) to be used for Shutters and Soft closer Telescopic Channels for Drawers of approved Make & specs.

Please refer Drawing No F-102 for SECTION YY' & ZZ'



#### **GUEST HOUSE**

#### THE ORIENTAL INSURANCE COMPANY LTD.

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- REQUIRED ON IN CASE OF ANY DISCRETANCE OF STATE OF STATE OF STATE OF WORK ON SITE.

  THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATIONS AND CONDITIONS OF THE CONTRACT.

#### Drawing Title :

INTERIOR FURNITURE DETAILS TV PANEL with STORAGE [in Drawing Hall]

Drg No:- ID-210238-F-101

Rev No :- R0

Approved

AMBUJ ΑK

3/2" = 1'-0"

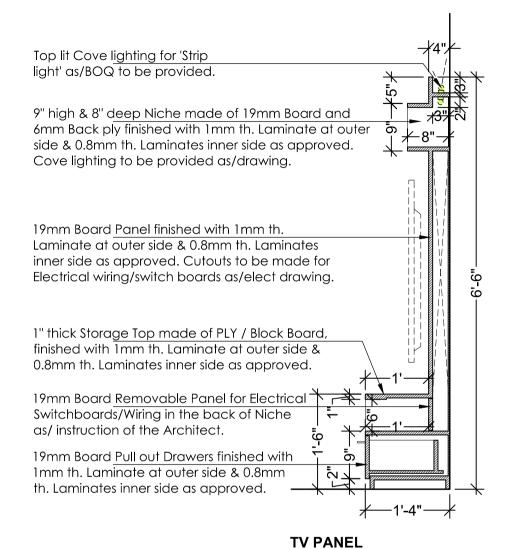
27-09-2021

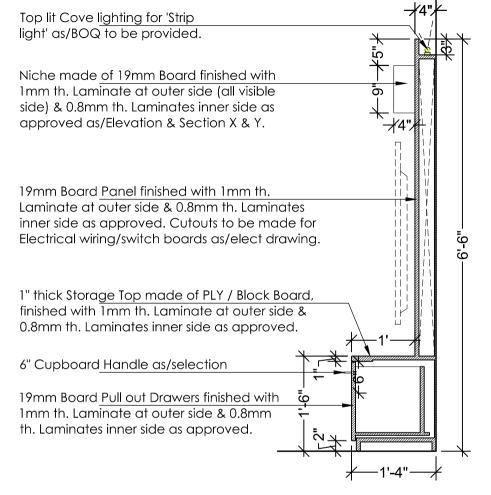
#### Architect:

### iDEATION DESIGN STUDIO Pvt. Ltd.

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**TV PANEL** 

**SECTION: ZZ'** 

## GENERAL NOTE FOR FURNITURE FABRICATION :

- 1. All Surface made of Board/Ply visible from Outside, to be finished with 1mm th. Laminate as/apprval of approved Make & Specifications.
- 2. All inner Surface of Made of Board/Ply, to be finished with 0.8mm th. Laminate as/apprval of approved Make & Specifications.
- 3. All Visible edges of Board/Ply should be finished with Edge binding tape not lesser than 1mm in thickness, in matching shade of Laminate of approved specifications as/Make list.

**SECTION: YY'** 

4. All Hydraulic Clip-on Hinges (auto-closer) to be used for Shutters and Soft closer Telescopic Channels for Drawers of approved Make & specs.

Please refer Drawing No F-101 for ELEVATION & SECTION XX'

# GN STUDO

#### Project :-

#### GUEST HOUSE

THE ORIENTAL INSURANCE COMPANY LTD.

Site Location

Flat No : 201, 2nd Floor, Shashi Palace, Nala Road, Patna - 800017 Contact: +91-

#### GENERAL NOTES :

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  SPECIFICATIONS AND CONDITIONS OF THE CONTRACT.
- 4. ALL DIMENSIONS ARE IN 'FEET-INCHES'

Drawing Title :

INTERIOR FURNITURE DETAILS
TV PANEL with STORAGE (in Drawing Hall)

Drg No :- | D - 210238 - F - 102

Rev No :- R0

Approved

AMBUJ AK

3/2" = 1'-0"

27-09-2021

Direction

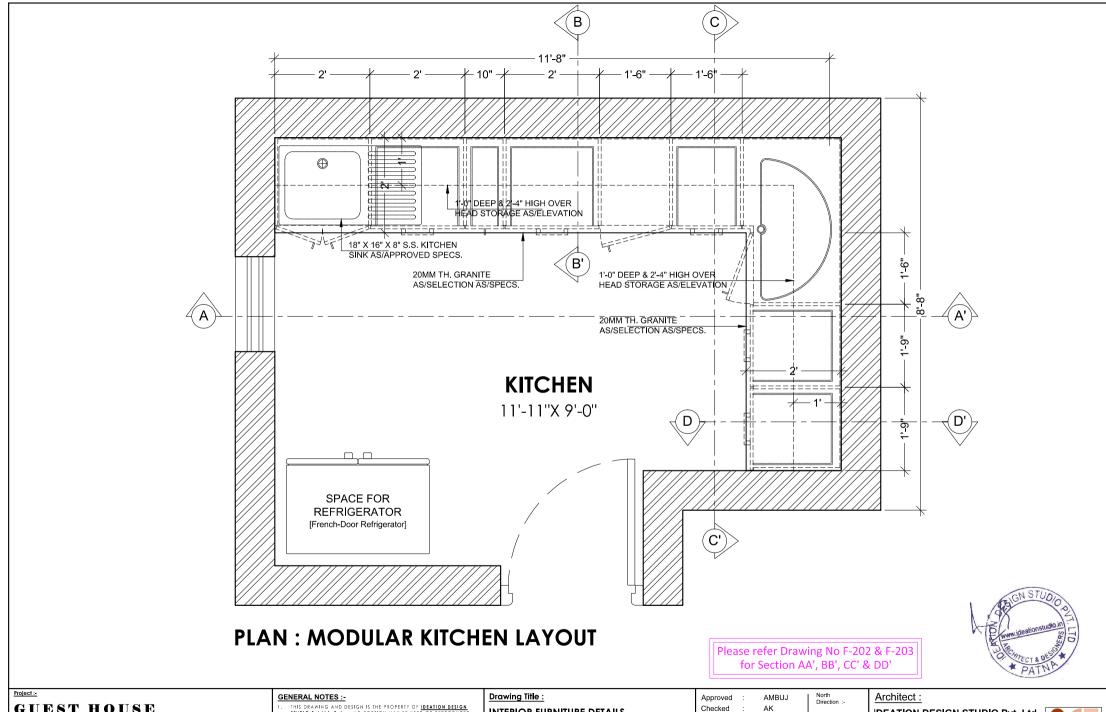
#### Architect :

### IDEATION DESIGN STUDIO Pvt. Ltd.

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- REQUIRED OR IN CASE OF ANY DISCREPANCY BEFORE COMMENCEMEN OF WORK ON SITE.

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  ALL DIMENSIONS ARE IN FEET-INCHES'

  ALL DIMENSIONS ARE TO BE TREAD WOT SCALED.

INTERIOR FURNITURE DETAILS MODULAR KITCHEN DESIGN [Kitchen]

Drg No:-ID-210238-F-201

Rev No :- R0

ΑK ΚV 1/2" = 1'-0"

R0

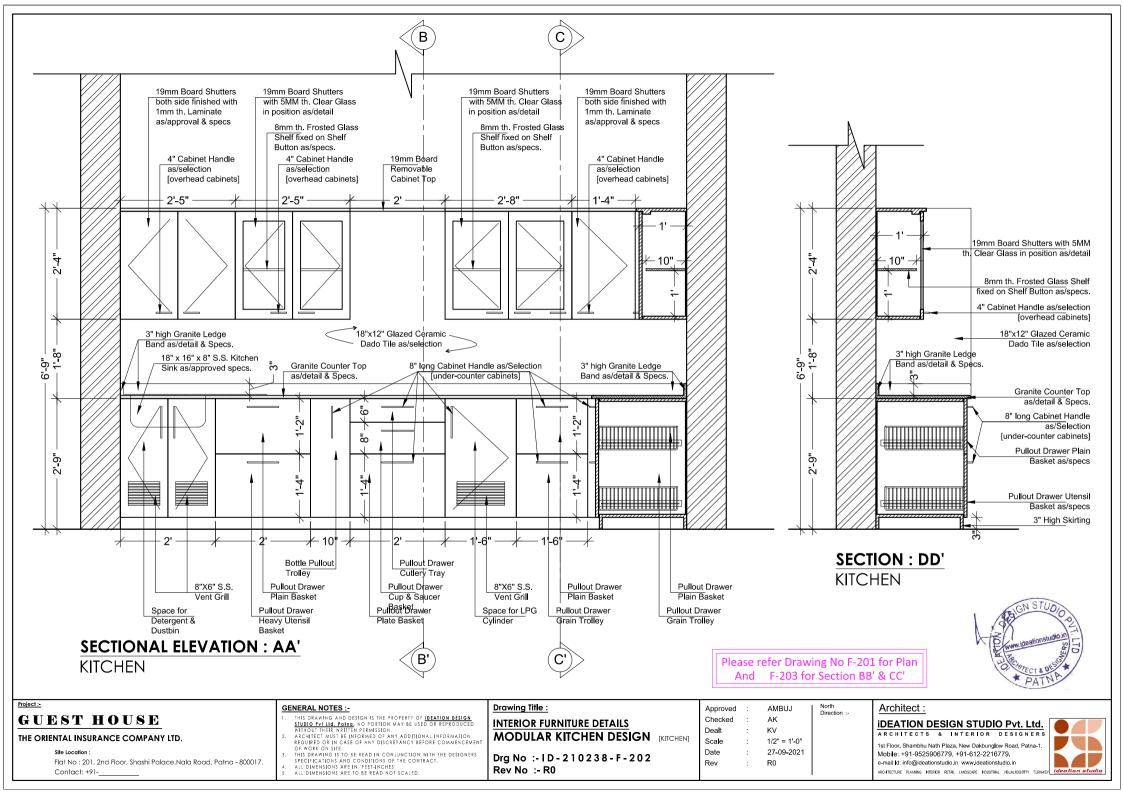
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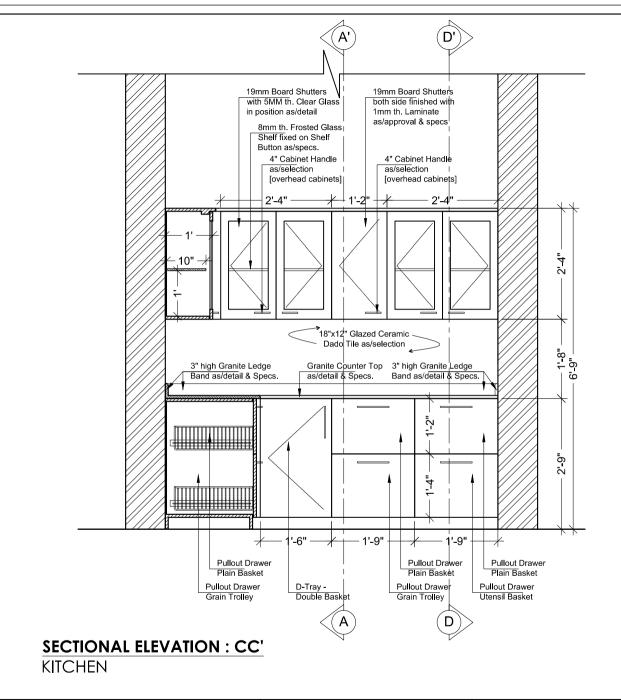
27-09-2021

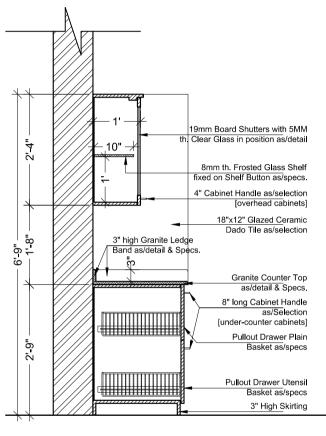
#### iDEATION DESIGN STUDIO Pvt. Ltd. ARCHITECTS & INTERIOR DESIGNERS

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SECTION: DD' **KITCHEN** 

Please refer Drawing No F-201 for Plan And F-202 for Section AA' & DD'



#### **GUEST HOUSE**

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  ALL DIMENSIONS ARE IN FEET-INCHES'

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Drawing Title:

#### INTERIOR FURNITURE DETAILS MODULAR KITCHEN DESIGN IKITCHENI

Drg No: ID-210238-F-203

Rev No :- R0

Approved Checked

Date

Rev

AMBUJ ΑK ΚV

R0

1/2" = 1'-0"

27-09-2021

#### North Direction :-

#### iDEATION DESIGN STUDIO Pvt. Ltd.

Architect:

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