

Schedule Of quantities for interior works of Oriental Insurance Co. Ltd. at Faridabad

S.NO.	PARTICULARS	QTY	UNIT	RATE	AMOUNT
(A) DISMANTLING					
1	Dismantling of existing electrical installations including wiring, conducting switch boxes, switched socket, fans and fixtures, switch boards, cables and storing the same in store of the owner at site, usable credit if any to be given to Oriental Insurance Company Ltd. contractor to verify all dismantling on site before quoting the same and relate the same with the dvg. Material/ debris not needed by OIC to be removed and dumped to authorized municipal dumping ground OR as directed i/c all leads & lifts.				
			1 lump sum		
TOTAL OF DISMANTLING WORK CARRIED OVER TO SUMMARY					
(B) FALSE CEILING					
1	Providing and fixing at all height false ceiling of 12.5 mm thick tapered edge gypsum board conforming to IS : 2095 including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanized in accordance with zinc coating 600 as per IS: 277 and consisting of angle cleats of size 25 mm wide X 15mm thick with flanges of 22 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastner 12.5 mm dia X 40 mm long with 6 mm dia. Bolts to the angle hangers of 25 X 25 X 5 mm of required length, and other end of angle hanger being fixed with nuts and bolts to 6.1 channels 45 mm X 15 mm X 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flangers of 26 mm each having clips of 10.5 mm at 450 mm centre to centre shall be fixed in a direction perpendicular to 6.1 channel with connecting clips made out of 2.64 mm dia. X 230 mm long 6.1 mm wire at every junction including fixing the gypsum board with ceiling section and 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 to centre with 25 mm long drive- all screws @ 230 mm interval including joining and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, finished and 2 coats of primer suitable for gypsum board as per manufacturers specifications and also including the cost of making openings for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed finishing of all joints neatly to proper line & level including providing of additional framework for electricals fixtures, including giving trap doors wherever required. Diffusers, cutouts for fire sprinklers etc. as per the specifications approved by architects including necessary scaffolding supports, suspenders etc.all complete as per drawing and specifications and direction of the architect but excluding the cost of painting. All the above material to be used are of M/s India Gypsum Co.	1910	sft		
TOTAL OF FALSE CEILING WORK CARRIED TO SUMMARY					
(C) FINISHING/PAINTING WORK					
1	Painting two or more coats of plastic emulsion paint required original shade after preparing the wall surface smooth with primer and sand papering to achieve smooth surface, including removing of old paint etc. complete to entire satisfaction of the Architect.	1860	sft		
TOTAL OF PAINTING CARRIED OVER TO SUMMARY					
(D) STORAGES/ TABLES					
1	Providing and fixing low /full height 1'-6" deep (area calculated as length x breadth) storage in cabins as / dwg. made up of 19mm commercial blockboard shutters, sides & shelves with filing drawers upto 4'-6" height on efficient gadgets/ earl bihari telescopic channels with pu polished european/german steamed beech 3/4" x 1/2" mouldings on margin and 1 1/2" x 1" European/German Steamed Beech. moulding on all edges sides and 3/4" X 3/4" Ex Steam beech moulding MELAMINE polish at 2" high skirting level. 6mm plywood back, with 1mm thick laminate Merinolam/greenlam/Formica normal on table top but other areas with fabric/greenvalley/wave/cross fire etc @200/sheet including tax extra over normal laminate or equally priced premium laminate on all visible surfaces as per design with enamel/plastic base on inner surfaces, mounted on powdercoated hinges, including efficient gadgets locks. C 4" stainless steel handles, and magnetic ball catchers with necessary Hettich/haffle hardware. hinges, locks and handles as per architects instructions including shelves as per design.	1168	sft		

<p>2 Providing and fixing Tables of 2'-6" height made ¾ " th comm board for tables 5'-0" and less long and 1"th comm block board for tables above than 5'-0" length , with modesty panel , all visible areas with 1mm laminate as per drg/detail with pencil drawer, file drawer,3",6"drawer etc , 3"x 2" steam beech wood leg rest , european/german steemed beech ¾"x ½" mouldings on margin and 1 1/2"x 1 ½"European/German Steemed Beech. mouldingon all edges sides and 3/4" X 3/4"Ex Steam beech moulding MELAMINE polish at 2" high skirting level with all necessary hettich/haffle/efficient gadgets channels, computer keyboard and channel , SS handles ,hardware, all drawers with telescopic channels and all handles to be stainless steel. as per drg (All laminates to be premium laminate of Merinolam/green lam/Formica make of fabric/green valley/wave/cross fire etc @200/sheet including tax extra over normal laminate or equally priced premium laminate)(Includes the cost of 3/4" X 3/4" ex steam beech moulding MELAMINE polish at bottom bands)</p>				
<p>a) 6'-8"x 3'-6"</p>	<p>1</p>	<p>nos</p>		
<p>b) 6'-0" x 2'-9"</p>	<p>3</p>	<p>nos</p>		
<p>c) 5'-0" x 2'-0"</p>	<p>10</p>	<p>nos</p>		
<p>d) 5'-5" x 2'-0"</p>	<p>2</p>	<p>nos</p>		
<p>e) 4'-0" x 2'-0"</p>	<p>8</p>	<p>nos</p>		
<p>f) 13'-11" x 2'-0"</p>	<p>1</p>	<p>nos</p>		
<p>3 Providing and fixing Printer Tables of 2'-6" height made ¾ " th comm board for tables 2'-0" and less long and 1"th comm block board for tables above than 2'-0" length , with modesty panel , all visible areas with 1mm laminate as per drg/detail with pencil drawer, file drawer,3",6"drawer etc ,european/german steemed beech ¾"x ½" mouldings on margin and 1 1/2"x 1 ½"European/German Steemed Beech. mouldingon all edges sides and 3/4" X 3/4"Ex Steam beech moulding MELAMINE polish at 2" high skirting level with all necessary hettich/haffle efficient gadgets channels, SS handles ,hardware, all drawers with telescopic channels and all handles to be stainless steel. as per drg (All laminates to be premium laminate of Merinolam/green lam/Formica make of fabric/green valley/wave/cross fire etc @200/sheet including tax extra over normal laminate or equally priced premium laminate)(Includes the cost of 3/4" X 3/4" ex steam beech moulding MELAMINE polish at bottom bands)</p>	<p>2</p>	<p>nos</p>		
<p>3 Providing and fixing fully upholstered double/triple seater sofa as per design with lining with bhor leatherite upholstery @ Rs 350/-RM over markene ,over ½" poly foam, on 6" m.m foam, over no sag springs with necessary hard wood frame work fully upholstered sofa.</p>	<p>6</p>	<p>nos</p>		
<p>TOTAL OF STORAGES AND TABLES CARRIED TO SUMMARY</p>				

	(E) PARTITIONS/ SIDE RACKS				
	1 Full height partitions				
	P/F full height partitions with kailwood frame work of 2" x 2" hardwood members @ 1'-6" c/c, painted with fire retardent paint, with 12 mm thk. Commercial plywood and 1 mm thk. Laminate on both faces of the partitions. Fixed firmly in position with 2" to 4" skirting laminated, providing of grooves (max size of laminate to be taken for pasting and not waste pasted with maximum grooves) as per architects instructions / drawings. With doors and glazing panel (8mm toughened glass only) glass at 3'-6" h to 7'-0" to 8'-0'high with steam beech wood frame work (21/2" x 1" ex) and beading MELAMINE polished(2"1/2x 1" ex) as per app shade, doors with steam beech wood bottom stile to be 8" x 1 1/2" and side and top stile to be 5" x 1 1/2" and rest 8mm toughen glass. chowkat (2 1/2" x 1 1/2" ex) with efficient gadgets door closer D.C. 2000 and all necessary hardwares . With laminated band with grooves at ceiling /partition interface both sides.(All laminates to be Merinolam/green lam/Formica make of fabric/green valley/wave/cross fire etc @200/sheet including tax extra over normal laminate or equally priced premium laminate).				
	There are partitions without glass also, contractor to include cost of angular partitions in reception with 3/4 "X3/4"ex steam beech moulding MELAMINE polish at top and bottom bands.				
	(a)full height partitions	240	sft		
	2 P/F Low height partitions as per design upto maximum upto 4'-6"high with kailwood frame work of 2" x 2" members @ 1'-6" c/c , painted with fire retardent viper fire-retardent FR-881 viper paint, with 12 mm thk. commercial plywood. 1mm laminates on both faces of the partitions . Fixed firmly in position with 2" to 4" skirting laminated, providing of grooves (max size of laminate to be taken for pasting and not waste pasted with maximum grooves) as per architects instructions / drawings, with top of partition where glass is not there in european/german steamed beech section 21/2 "x1" Ex MELAMINE polished as per design and fixing plain etched 12mm glass as partition fixed firmly in position with edge polishing in slant /curved or straight line as per design fixed with european/german steamed beech section 21/2"x1" Ex MELAMINE polished as per design with 3/4 "X3/4"ex steam beech moulding at bottom bands. The measurement to be taken in maximum rectangle for payment to the contractor , (All laminates to be Merinolam/green lam/Formica make of fabric/green valley/wave/cross fire etc @200/sheet including tax extra over normal laminate or equally priced premium laminate). The glass may range from 1'-0" to 1'-6".				
	(a) Low height partitions	890	sft		
	3 Side rack with laminated top (1 mm thick)	11	no		
	P/Fside units of size 3'-3"/3'-6" x 1' -6" x 2'-6" height made up of 19mm commercial block board, , one corner enclosure for C.P.U, steam beech lippings and mouldings 1/1/2"x1/1/2" top , 3/4"x3/4"at bottom 2" skirting level and 3" x 2" steam beech leg rest , vertical sides 3/4" x 1/2" steam beech moulding, (MELAMINE polished as per app) ,6mm commercial plywood back, with 1 mm laminate on all visible sides and keyboard tray/ pencil drawer facia , and enamel paint /polish on concealed surfaces, necessary hardware, hinges, channels for pencil drawers/keyboard (efficient gadgets) as per drawing, top of CPU platform and sidetable top to be laminated (All laminates to be premium laminate of Merinolam /green lam/formica make of fabric /green valley/wave/cross fire etc. @Rs.200/sheet including tax extra over normal laminate or equally priced premium laminate)				
	5 Side rack with laminated top (1 mm thick)	4	no		
	P/Fside units of size 3'-0"/2'-11" x 1' -6"X2'-6" height made up of 19mm commercial block board, , one corner enclosure for C.P.U, steam beech lippings and mouldings 1/1/2"x1/1/2" top , 3/4"x3/4"at bottom 2" skirting level and 3" x 2" steam beech leg rest , vertical sides 3/4" x 1/2" steam beech moulding, (MELAMINE polished as per app) ,6mm commercial plywood back, with 1 mm laminate on all visible sides and keyboard tray/ pencil drawer facia , and enamel paint /polish on concealed surfaces, necessary hardware, hinges, channels for pencil drawers/keyboard (efficient gadgets) as per drawing, top of CPU platform and sidetable top to be laminated(All laminates to be premium laminate of Merinolam /green lam/formica make of fabric /green valley/wave/cross fire etc. @Rs.200/sheet including tax extra over normal laminate or equally priced premium laminate)				
	7 Extra for P/f 18 mm thk pinup board of cellotex with 6mm commercial plywood backing and steambeech lipping. with approved quality cloth of base price not less than rs. 175/- per meter .Frame of 1 1/2" X 1" ex steam beech PU polished.	100	sft		
	TOTAL OF DOORS , PARTITIONS AND SIDE RACKS CARRIED TO SUMMARY				

(F) VERTICAL BLINDS					
1	Providing and fixing TECHNIQUE Luxaflex vertical blinds 100mm, the fabric to be scotchguard and sanitised (stain repellent) average thickness 0.8 mm,100 % polyester non woven, handrail as per specifications of VISTA.	210	sft		
TOTAL OF VERTICAL BLINDS WORK CARRIED OVER TO SUMMARY					
(G) HARDWARE AND ALUMINIUM WORK					
1	Providing and fixing stainless steel door stopper of KICH/equivalent make. satin code – DSTRS.	6	each		
2	Providing and fixing stainless steel AISI 316 grade sign plates (120mm x 120mm x 1.5mm) of KICH/equivalent make:				
2.1	Washroom/toiletor male /femmale, satin code SB11FMS	2	Each		
2.2	Pantry , satin code SB5RS	1	Each		
3	Providing and fixing stainless steel AISI 316 grade pull handles (for wooden and glass doors) of KICH/equivalent make	6	Each		
4	P/Fdoor closer DORMA/DC 2000 of Sterling Inflow- Tech Pvt Ltd, distributed byefficent Gadgets Ltd	6	Each		
TOTAL OF HARDWARE AND ALUMINIUM WORK CARRIED OVER TO SUMMARY					
INTERIOR WORK FOR OIC FARIDABAD SUMMARY OF WORK					
A TOTAL OF DISMANTLING WORK					
B TOTAL OF CEILING WORK					
C TOTAL OF FINISHING / PAINTING WORK					
D TOTAL OF STORAGES AND TABLES					
E TOTAL OF DOORS , PARTITIONS AND SIDE RACKS					
F TOTAL OF VERTICAL BLINDS WORK					
G TOTAL OF HARDWARE WORK					
GRAND TOTAL					
SCHEDULE OF QUANTITIES FOR ELECTRICAL WORK FOR OIC FARIDABAD					
SI.No	Description	unit	qty	Unit rate	Total
1	WIRING				
	Wiring for light point / fan point/exhaust fan/ / light socket switch with 3X1.5 (P+N+E) sqmm copper conductor FRLS insulated 1100v grade multi strand wire in concealed / surface using 20/25/32 rigid MS conduit 16swg thick with all bend, tees, saddle mounting box, cover plate ceiling rose, etc. wherever required etc.& chromium plate brass screw/rawl plug etc..The circuit wiring start from DB to point control box /switch box using 3x2.5 (P+N+E) sqmm copper conductor FRLS insulated 1100V grade multistrand wire with notification ferrules at both end complete in all respect. The conduit must be fixed with MS saddle at every 80cm on surface and conduit to be laid in ceiling with proper clamps/wall floor filling the chase with cement mortar and finish the same in original form/wooden partition above false ceiling chases filled with cement mortar as required at site Each circuit shall have separate earth wire.All switch socket must be for modular type with M.S. Boxes and plate extra etc. as required. Note:-.Each circuit shall have independent earth wire each point shall be earthed. Circuit wiring is to be included in wiring.				
1.1	One light controlled by one 6A modular one way switch.	Nos	9		
1.2	Two light controlled by one 6A modular one way switch.	Nos	4		
1.3	Three light controlled by one 6A modular one way switch.	Nos	9		
1.4	Four light controlled by one 6A modular one way switch.	Nos	5		
1.5	Wiring including termination for the first light points controlled by MCB in distribution board (Cost of MCB taken separately) with 2x1.5 sq.mm. PVC insulated copper conductor FRLS wires of 650/1100 Volts grade in concealed/exposed PVC conduits and 1.0 sqmm. earth wire.	Nos	30		

1.6	Same as above but LOOP POINT i.e. wiring of point looped from first point with 2x1.5 sq.mm. PVC insulated copper conductor FRLS wire of 650/1100 volt grade in concealed/exposed PVC conduits and 1.0 sqmm earth wire	Nos	45		
1.7	Wiring for 5 pin 6 A Light plug point with 1.5 Sq.mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in recessed/surface PVC conduit including cost of providing saddles etc for surface conduiting and/or cost of cutting & filling chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 5 pin 6 A socket outlet controlled by 6 A switch in zinc chromate passivated MS box, including the cost of running 1.5 Sq mm green colour solid copper conductor earth wire for earthing the earth pin of the socket outlet and circuit wiring with 2 x 2.5 sq mm + 1 x 1.5 sq mm 1100 Volt grade PVC insulated FRLS multistrand copper conductor wire. Complete as per specifications and as required.	Nos	32		
1.8	wiring for ups power plug with 3x2.5 sq.mm, FRL's PVC insuated copper conductor, singel core, cable including surface/recessed 16 SWG M.S. conduit including 3 No.s 6A SPN socket, GI box, 16A modular switch & 6A indicator as required. (UPS points)	Nos	11		
	(i) primary point	Nos	20		
	(ii) secondary point	Nos			
TOTAL OF "1.0" CARRIED OVER TO SUMMARY PAGE					
2 POWER POINTS					
2.1	Wiring for following. 6 pin 6/16 A Power plug point control by 1 No. 16A Switch with 4.0 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in recessed/surface PVC conduit including cost of providing saddles etc for surface conduiting and/or cost of cutting chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 6 pin 16 A socket outlet controlled by 1 No. 16 A switch in zinc chromate passivated MS box, the cost of running 2.5 Sq mm green colour solid copper conductor earth wire for earthing the earth pin of the socket etc as required.	Nos	13		
2.2	One power Point per circuit/Primary point	Set	18		
	Two power Point per circuit/Secondary Point	Set			
TOTAL OF "2.0" CARRIED OVER TO SUMMARY PAGE					
3 MAIN PANEL					
	Design, fabrication, assembling, supply, installation, testing and commissioning of Main panel suitable for 415 V, 3 phase, 50 Hz, 4 wire power supply system.				
	Panels shall be fabricated out of 2 mm thick CRCA sheet steel in cubical formation, compartmentalized in Form 3b Construction, floor mounted, free standing and shall be dust and vermin proof. 3 mm thick cable gland plate, shall be provided both at the top and the bottom of the panel.				
	250 amps TPN MCB with following accessories:				
	0-500 Volts digital electronic volt meter with selector switch shall be protected by 2 amps TP MCB's.	1 Set			
	0- 250 Amps digital electronic ammeter with selector switch and 60/5 amps 10 VA, CL 1 CTs .	1 Set			
	ON/OFF/TRIP indicating light shall be protected by 2 amps SP MCB's.	3 Sets			
	Bus Bars				
	200 amps TPN aluminium bus bars with heat shrinkable insulation sleeve.				
	Outgoing				
	40 amp FP MCB - 3 Nos.				
	63 amp FP MCB - 6 Nos.				
	1 Nos. 63A TP MCCB (25 KA)				
	Spare MCB's of the following				
	63 amp FP MCB - 2 Nos.				
	63 amps DP MCB - 1 Nos				
	All MCB shall be of 15 KA breaking capacity.				
	Main panel as described above	No	1		
TOTAL OF "3.0" CARRIED OVER TO SUMMARY PAGE					
4 DISTRIBUTION BOARDS					
	Supply, installation, testing and commissioning of the following FDB's fabricated out of 1.6 mm thick CRCA sheet steel in cubicle compartmentalized, dust and vermin proof, double door construction, powder coated with approved shade and partitions to segregate phases. Approved lockable covers with padlocking arrangement for each phase, recessed in wall or surface mounted final distribution boards of the following description:				

4.1	12 way SPN DB 6 nos. 10 amps SP MCB as outgoing with 1 no. 40 amps 2 pole MCB's as incomer including neutral.	Nos	1		
4.2	8 way TPN DB, 21 Nos. 16/32 amps SP MCB's as outgoing with 1 No. 63 amps 4 Pole MCB isolator as incomer with separate neutral link for each phase.	Nos	1		
4.3	8 way TPN DB, 19 Nos. 16/32 amps SP MCB's as outgoing with 1 NO. 40 amps 4 Pole MCB isolator as incomer with separate neutral link for each phase.	Nos	1		
TOTAL OF "4.0" CARRIED OVER TO SUMMARY PAGE					
5 SUBMAINS/MV CABLES					
Providing and laying of PVC insulated copper conductor/Cable 1100 volt grade stranded flexible FRLS Wire in required size of pvc heavy duty conduit.					
5.1	2 x 10 + 1 x 4 sq.mm PVC insulated stranded flexible copper wires in pvc conduit	RM	35		
5.2	2 x 16 + 1 x 6 sq.mm PVC insulated stranded flexible copper wires in pvc conduit	RM	35		
5.3	4 x 10 + 2 x 4 sq.mm PVC insulated stranded flexible copper wires in pvc conduit	RM	35		
5.4	4 x 16 + 2 x 6 sq.mm PVC insulated stranded flexible copper wires in pvc conduit	RM	35		
5.5	4C x 16 SQMM AL Cable	RM	15		
5.6	3.5C x 95 SQMM AL Cable	RM	35		
5.7	Suppling, making, testing & commissioning of end termination with brass mettalic double compression glands suitable for the following sizes of XLPE Al. conductor armoured cables including proper sizes of copper thimbles etc. as required.				
5.8	4C x 16 SQMM AL Cable	Nos	4		
5.90	3.5C x 95 SQMM AL Cable	Nos	4		
TOTAL OF "5.0" CARRIED OVER TO SUMMARY PAGE					
6 TELEPHONE WIRING FOR VOICE					
6.1	Supply and fixing of RJ11 moduler Telephone outlet in zinc chromate passivated M.S.Box and moduler plate including connections atc. As required.	Nos.	27		
6.2	Providing, drawing, connecting and testing of telephone wire 0.5 sqmm tinned annealed high conductivity copper conductor with high density Polyethylene insulation, paired, polyester taped and FR PVC sheathed in existing MS/PVC conduit from telephone outlet box to the junction box/tag block as required.				
	2 pair 0.51 sq. mm.	RM	550		
6.3	Supply & fixing the following sizes of Krone telephone tag blocks housed in suitable sizes of power coated MS boxes with hinge cover complete as required.				
	20 pair telephone tag block	Nos.	2		
6.4	Supplying & laying the following sizes of PVC insulated or overall sheathed taped telephone cables of 0.61mm dia size inground including excavation, refilling and making good the damage etc. as required. good the same and connection etc. complete as required				
	20 Pair telephone cable	RM	375		
TOTAL OF "6.0" CARRIED OVER TO SUMMARY PAGE					
7 LIGHT FIXTURE					
7.1	Providing and fixing in gypsum/armstrong ceiling, connecting testing and commissioning of following luminaires including the cost of necessary inter-connections required. a) PHILIPS CELING LIGHT (FBS-450 2xPL-L36W IC M2 DF-WH). For Lamp- 2 x PL-L36W	Nos	26		
7.2	Providing and fixing in gypsum ceiling, connecting testing and commissioning of following downlighters including the cost of necessary inter-connections required.				
a	CELING LIGHT PHILIPS TYPE (FBH -145 M 1xPL-C/2P 18W 1240V LH). For Lamp- 1xPL-C/2P 18W	Nos	24		
7.3	P/F of following Main Streem Battens				
a	MIROLTA Slim T5 TMS540 HF. For Lamp - 1xTLS-28W	Nos	5		

7.4	Providing & fixing BELL POINTS on wall /Partition with 2x1.0 sqmm copper conductor in PVC medium gauge conduit(IS:9537) with call bell switch(Push Type) including call bell Multi Tune Bell etc. complete	Each	1		
7.5	Supplying, installing, testing and commissioning of wall bracket fan of 400 mm, complete with moulded propeller type blades, and accessories suitable for operation on 230 / 240 Volts, 50 Hz, single phase, A.C. supply.	Nos	11		
TOTAL OF "7.0" CARRIED OVER TO SUMMARY PAGE					
8.0 EARTHING					
8.1	Providing and laying of 600 x 600 x 6.3 mm thick GI electrode, with 2 nos. 50 X 6 mm GI strips from earth electrode to inspection chamber, 50 mm dia medium class GI pipe, CI funnel with 20 gauge GI wire mesh, masonry chamber 1000 X 500 mm with concrete base CI / heavy duty RCC cover / heavy duty chequered plate manhole cover with frame painted with bitumastic paint and packing with mixtures of charcoal and common salt around plate electrode including digging of pit upto permanent moisture level but not less than 3 meters and back filling as required.	Nos	2		
TOTAL OF "9.0" CARRIED OVER TO SUMMARY PAGE					
9.0 COMPUTER DATA WIRING SYSTEM					
9.1	Supply & fixing the following size of PVC conduit in Floor/Surface of wall, including cutting the Floor/Wall and make the good the same as required (Data Cabling)	Mtrs	680		
9.2	Supply & fixing flush steel box for computer data outlet dully recessed in wall complete with modular cover plate, computer outlet RJ-45 including connections etc. required.	Nos.	30		
9.3	Supply and drawing of cat 6 Data cable in PVC conduit complete as required.	Mtrs	725		
TOTAL OF "10" CARRIED OVER TO SUMMARY					
10 UPS SYSTEM:					
	Supply, installation, testing & commissioning of rating Invertors 3-phase IN, 1-phase OUT complete as required and as per following specification:				
	Input:				
	AC Voltage :440V (-20% + 20%)				
	Phase : - 3-phase				
	Frequency : 50Hz, +/- 3Hz				
	Output:				
	AC Voltage : 220 V, ± 10%				
	Phase : Three				
	Frequency : 50 Hz, ± 0.05%				
	Output Wave Form : Pure Sine Wave.				
	Output Wave form distortion : Less than 1%. Test report should be provided for the same.				
	Transient Response : 0-100% step load, change in output voltage is 10 V and recover back within 10 cycles.				
	Rated Power Factor : 0.8				
	Overload Capacity : 120% for 10 minutes. : 150% for 60 seconds.				
	Cooling System : Forced Air (In-built)				
	Battery Charger Type:				
	Recharge Time : Automatic boost cum float charging for enhanced life.				
	Audio Alarm : Warning Buzzer for battery low.				
	Indications : Mains ON				
	Charger ON				
	Inverter ON				
	Battery LOW				
	Inverter OVERLOAD				
	Protections:				
	AC input : FP MCB				
	DC fuse : Fuse in Battery Path				
	Output under voltage : Inverter Trips				
	Protection : Inverter Trips				
	Output overload : Current Limit				
	Protection : Both on Charger & Inverter				
	Short circuit : For Overload				
	Trip Facility : For Battery Low				

	: For Output Over Voltage				
	Battery connection : 2 way terminal				
	Inverter ON/OFF : Rocker switch				
	Environmental:				
	Output capacity as follows:				
	10 KVA	Set	1		
	TOTAL OF "10" CARRIED OVER TO SUMMARY				
11	SERVER (providing fixing and commissioning)				
11.1	24 Port Cat 6, Patch Panel (make delink) for Data	Nos.	1		
11.2	9U Wall Mounted 2 Fan,1 PDU 6 socket 5/15,6 Hardware packet, (Dynamic make)	Nos.	1		
	TOTAL OF "11" CARRIED OVER TO SUMMARY				
	SUMMARY				
1	WIRING				
2	POWER POINTS				
3	MAIN PANEL				
4	DISTRIBUTION BOARDS				
5	SUBMAINS/MV CABLES				
6	TELEPHONE WIRING FOR VOICE				
7	LIGHT FIXTURE				
8	EARTHING				
9	COMPUTER DATA WIRING SYSTEM				
10	UPS SYSTEM				
11	SERVER				
	GRAND TOTAL				
TOTAL ABSTRACT OF WORKS DONE FOR ORIENTAL INSURANCE OFFICE, FARIDABAD.					
SL. NO.					AMOUNT
1	TOTAL OF ELECTRICAL WORKS				
2	TOTAL OF INTERIOR/FURNISHING WORKS				
	GRAND TOTAL				