

The Oriental Insurance Company Ltd.

**Regional Office
Hansalaya Building, 10th Floor
Barakhamba Road
Connaught Place
New Delhi -110001**

Tender Document

NAME OF WORK: RENOVATION OF
CBO - Bhogal

AT

2, Central Road , Bhogal
New Delhi

Lead Consultants :

Vastu Mandal
Architects & Interior Designers
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PART –II

FINANCIAL BID

Schedule of Quantities

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
1.0	DISMANTLING					
1.1	Dismantling existing brick masonry of any thickness at all levels including etc at site and carting away the debris from the site. Rate is inclusive rate is inclusive of scaffolding etc. complete is directed.	0.50	Cum			
1.2	Dismantling existing ceramic tiles and plaster at site and carting away the debris from the site. Rate is inclusive rate is inclusive of scaffolding etc. complete is directed.	25.00	sqm			
2.0	CIVIL WORKS					
2.1	Providing and erecting in line, level and plumb half brick walls at all levels with necessary scaffolding, in cement mortar 1:4 including 75 mm high RCC bands at approximately one metre c/c with 2 nos. of 8 mm dia. Tor steel reinforcement bars as required, watering, curing scaffolding at all level, rate to include chiselling of existing floor to required width, clearing and making good the floor etc, complete and as directed.	5.00	sqm			
2.2	Providing and applying 15 mm thick plaster on brick masonry /concrete internal walls with CM 1:4 , including prewetting of walls, hacking wherever required, curing and necessary scaffolding etc, complete in line and level, complete as directed.	11.00	sqm			
3.0	DOOR/ PARTITION WORK :					
	All internal woodworks including inner surface of plywood shall be treated with anti termite wood wood preservative against borer pestsof plywood bonded with synthetic resin adhesive (phenol bonded)as per IS 303/AA grade and IS 1659 respectively.					
	All the exposed veneer shall be finished with approved matt melamine polish of approved shade.					

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
	<p>The vertical partitions shall be taken above false ceiling as required to fix the same to the soffit of slabs/beams. Rate of full height partitions shall include for the same. No separate payment shall be made for the framework above false ceiling.</p>					
3.1	<p>Providing and fixing 75 mm thick full height double skin plate partitions using 50 x 50 mm sal wood sections @ 600 mm c/c in both directions or part thereof in frame work (including additional members wherever needed for Elect, boxes, skirting etc.) and fixed with floor/ walls/ceiling with screws & anchor bolts etc. The frame work shall be provided with 12 mm thick BWR plywood on both side upto false ceiling. The base of ply upto 150 mm ht. shall be painted with antitermite chemical emulsion as manufactured by fevicol industries i.e terminator brand or equivalent. Rate shall be inclusive of making cutting in frame work and ply etc. for receiving electrical conduits & installations etc. Finally the partition shall be finished with laminate/MDF board /veneer/ which shall be paid extra. (measurement for partition to be done from finished floor upto ceiling plus 75 mm excluding the area of door/ window opening including frame).</p>	50.00	sqm			
3.2	<p>Providing and fixing 83 mm thick low height double skin plain partitions using 50x 25 mm, 18 gauge MS tubular sections welded together @ 600 mm c/c in both directions or part thereof in frame work and fixed with floor/ walls with screws and anchor bolts etc. The frame work shall be provided with 12 mm thick BWR plywood on both side. The base of ply upto 200 mm ht. shall be painted with antitermite chemical emulsion as manufactured mby fevicol industries i.e terminator brand or equivalent. Rate shall be inclusive of making cutting in frame work & ply etc. for receiving electrical conduits & installations etc. Finally the partition shall be finished with laminate/ veneer of approved make & shade which shall be paid extra under seperate item. The partition shall be provided on top/sides with steam beech wood/teak rail of size approx. 90 x 32 mm including melamine polishing / DUCO paint etc. complete as per design/ directions.</p>	29.00	sqm			

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
3.3	Providing and fixing 1.0 mm thick laminate of approved make & shade on partitions or wherever required including making grooves/ patterns all complete as directed (base price 28/-sft). Deduction for not fixing the laminate shall also be made on this rate.	172.00	sqm			
3.4	P& F 6MM THK. Float glass in windows in partition, as per detail. (the cost of ply & laminate fixing in the window all around the jamb to be part of cost of partition.)	1.00	sqm			
3.5	Providing and fixing Beech/ Teak wood moulding of following sizes and finished in melamine polish, all complete as directed.					
(a)	25 mmx12 mm	4.00	Rm			
3.6	Providing and fixing first first quality wood door frame of sizes 125x 62mm , 75 x 50 mm or any other size with 12 mm rebate for door shutter including superior grade melamine polishing etc. The base & side touching the floor/ partition to be applied with antitermite treatment. The rate shall be inclusive of fixing necessary hardware for fixing the frame to partition. The rate are for following wood types :					
(a)	Using Beech wood	0.03	cum			
3.7	Providing and fixing 40 mm thick wood glazed door shutter having 150 wide styles, top rail & 200 mm wide bottom rail and glazed with 6 mm thick clear float glass panel fixed with 18 x 18 mm wood beading in the following wood :Shutter size 2050 X 950					
(a)	Using Beech wood Rates of 3.7 (a) item is inclusive of Natural polish & hardware as detailed below. I Pair of ISI marked mortice handle set II ISI marked mortice lock III ISI marked heavy class 100 mm long bearing ss hinges - 3 nos. Hardware fittings	4.00	each			

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
3.8	Providing and fixing 35 mm thick solid core non decorative ISI flush door of approved make including fixing Beech/Teak wood lipping of 10 mm thickness on the perimeter of flush door. The shutter shall be fixed using 3 nos. of 125 mm heavy duty brass oxidised /chrome finish hinges with S.S pin. The shutter shall be finished with synthetic enamel paint which shall be paid extra under seperate item. The lipping rate shall be inclusive of spray polish on lipping, nails & adhesives etc. Shutter 2050 X 900	2.00	each			
	The door shall have the following hardwares which are inclusive of rate.					
	1 Pair of ISI marked mortice handles					
	2 ISI marked door closers ozone make					
	3 ISI marked mortice lock					
	4 ISI marked heavy class 100 mm long BEARING SS hinges - 3 nos.					
3.9	P& Supplying key board tray	14.00	Each			
3.10	P & fixing Executive's modular work station's size 2'-0" x 4'-0" on customised wooden partition with brackets complete in all respects.	14.00	Each			
3.11	P& supplying CPU trolley	14.00	Each			

4.0 STORAGE WORKS

All internal wood work shall be treated with anti termite preservative against borer pests and white ants. All internal frame work shall be salwood unless.

All the internal surfaces of the storage units (top, bottom of shelves, back of storage, inner face of the shutters shall be fixed with 0.8 mm laminate of.

The mode of measurement for all types of storages shall be front elevation area.

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
4.1	<p>Full height storage unit : Providing and fixing 2100 mm high storage unit made out of 19 mm BWR ply for verticals, top, bottom, and intermediate vertical partitions @ 900 c/c or part thereof and backing of 6 mm th. BWR ply. The top & exposed sides of storage to be finished with laminate and complete in all respects as per design.</p> <p>Shutters shall be in 19 mm BWP grade block board with teak wood lipping all -around. The front & back to be finished with 1 mm thick laminate.</p> <p>Shelves : Shelves are made of 19 mm BWR grade block board with teak wood lipping and fixed @ 375 mm c/c supported on heavy duty S.S pins. The teak wood lipping shall be polished.</p> <p>Locks shall be Godrej make universal drawer/ cupboard lock (model no 5041) dead lock with S.S key- master key for groups as required.</p> <p>Handles shall be Kich make AIAI 316 grade 96 mm long 12 mm dia for each shutter.</p> <p>Skirting : 100 x 19 mm ply for skirting. All external / visible surfaces including top/ back if exposed , shall be finished with 1.0 mm laminate of approved make& shade.</p> <p>The depth of storage to be as under:</p> <p>(a) Upto 450 mm deep</p>	9.00	sqm			
4.2	<p>Low height storage unit : Providing and fixing approx. 1200 mm high storage unit made out of 19 mm BWR ply for verticals, top, bottom and intermediate vertical partitions @ 900 c/c or part thereof and backing of 6mm th. BWR ply. The top & exposed sides of storage to be finished with laminate and complete in all respects as per design.</p>					

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
	Shutters shall be in 19 mm BWP grade block board with teak wood lipping all -around. The front & back to be finished with 1 mm thk laminate.					
	Shelves : Shelves are made of 19 mm BWP grade plywood with teak wood lipping and fixed @ 375 mm c/c supported on heavy duty S.S pins. The teak wood lipping shall be polished.					
	Locks shall be Godrej make univesal drawer/ cupboard lock(model no 5041) dead lock with S.S key - master key for groups as required.					
	Handles shall be Kich make AISI 316 grade 96 mm long 12 mm dia for each shutter.					
	Skirting : 100 x 9 mm ply for skirting. All external / visible surfaces including top/ back if exposed, shall be finished with 1.0 mm laminate of approved make & shade.					
	All internal surface of almirah including top of shelves, sides etc. shall be laminated with 1.0 mm thick laminate of white shade. The bottom of shelves to be painted with flat paint of approved shade. The top of storage unit also to be finished with a mm thick laminate.					
	The depth of storage to be as under :					
	(a) 450 mm deep	10.00	sqm			

5.0 PAINTING

5.1	Providing and applying on all exposed surfaces of walls, columns, beams, ceiling etc. 2 or more coats plastic emulsion paint of approved make and shade over a coat of primer and putty, etc, compete.	259.00	sqm			
5.2	Providing and applying synthetic enamel paint wherever required in 2 or more coats over a coat of primer etc. complete. Rates are inclusive of surface preparation.	60.00	sqm			

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
5.3	Providing and applying premium quality of natural polish using superior quality material (only approved sample/ material to be used) over door/ window frames including moulding/ door shutters/ wall panelling etc. as per std. steps complete in all respect desired shade as directed as site. (measurement to be done for length/ area).	10.00	sqm			
5.4	Providing and applying on all exposed surfaces of walls, columns, beams, ceiling etc. 2 or more coats lime wash of approved shade including Pidilite - DDL as/ manf. Recommendation.	59.00	sqm			
6.0 TOILET FIXTURES						
6.1	Providing and fixing below counter wash basin (hind ware or equivalent approved make) having rectangular shape, white colour including CI bracket, 32 mm CP waste coupling, 32 mm bottle trap including CP connection pipes, jaquar make premium range pillar cock and angle valve including cutting & making good the wall, all complete as directed at site.	1.00	Each			
6.2	Providing and fixing C.P. brass pillar cock of conforming to IS : 8931a 15 mm nominal bore.	1.00	Each			
6.3	Providing and fixing C.P. brass short body bib cock of conforming to IS : 8931 a 15 mm nominal bore.	2.00	Each			
6.4	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan ISI marked white solid plastic seat and lid.	2.00	Each			

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
6.5	Providing and fixing 18 mm thick edge moulded & mirror polished granite top of jet black colour (approved quality) for wash basin and kitchen counter top over R.C.C. slab fixed with Aldehyde/Cement & joints finished with silicon etc. complete.	1.00	sqm			
6.6	Providing and fixing mirror of 6 mm thick with S.S. studs including 100 mm wide frosting along the edge including polishing of edges etc. complete (MODIGUARD Or equivalent).	2.00	sqm			
6.7	Providing and fixing ceramic tiles in dado on walls, size 200 x 300 mm and of approved make fixed with cement slurry over CM 1:3 backing thickness and joints filled with white cement blended with matching pigment (Tile price Rs. 250/- sqm). The item rate to (vary) be added /deducted based on the selected tile price in all ceramic items.	19.00	metre			
6.8	Providing and fixing first quality wood door frame of sizes 125 x 62 mm, 75 x 50 mm or any other size with 12 mm rebate for dor shutter including superior grade melamine polishing etc. The base & side touching the floor/ partition to be applied with anti termite treatment. The rate shall be inclusive of fixing necessary hardware for fixing the frame to partition. The rate are for following wood types :					
(a)	using Beech wood	0.03	cum			
6.9	Providing and fixing 35 mm thick solid core non decorative flush door of approved make including fixing Beech/teak wood lipping of 10 mm thickness on the perimeter of flush door. The shutter shall be fixed using 3 nos. of 125 mm heavy duty brass oxidised / crome finish hinges with S.S pin . The shutter shall be finished with synthetic enamel paint which shall be paid extra under seperate item. The lipping rate shall be inclusive of spray polish on lipping, nails & adhesives etc.	2.00	Nos			
	The door shall have the following hardwares which are inclusive of rate :					
	1 Pair of ISI marked mortice handles					
	2 ISI marked door closers ozone make					

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
3	ISI marked mortice lock					
4	ISI marked heavy class 100 mm long BEARING SS hinges - 3 nos.					
6.10	Providing and applying synthetic enamel paint wherever required in 2 or more coats over a coat of primer etc. complete. Rates are inclusive of surface preparation.	9.00	sqm			
6.11	Providing and laying approximately 9 mm thick anti skid tiles of ist quality of approved make & shade in flooring, fixed with tile adhesive and joints filled with silicon complete in all respect. (basic rate of tile including tax 380/- per sqm).	3.00	sqm			

7.0 ELECTRICAL WORKS

7.1 L.T PANELS:

Supply, receiving, storing, handling, loading & unloading, hoisting, erecting, including checking of all interconnections, small wiring, testing & commissioning of the following cubical type panels made of 14 gauge CRCA structure. Base channel, doors& partitions complete with, air circuit breaker, moulded case circuit breaker, meters, indicating lamps, current transformer etc. complete in all respects, insulated bus bars with heat shrinkable P.V.C. sleeve in suitable bus chambers interconnection, small wiring, name plate, danger plate, earth bus etc. and compressing of compartments with hinged door for each feeder and its associates cable alley with hinged doors, bus chamber with bolted door etc. the panel being of dust & vermin proof construction with rubber gasket, attractively powder coated with siemens grey shade and having orange peel finish. The panel shall be free standing type/ wall mounted type as per relevant drg. and comprising with the following :-

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
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Note

- 1 All MCCB's shall be with extended type with operating handle, Phase spreaders & phase barriers.
- 2 Metering CTs burden shall be 15VA & ACCURACY CLASS 1.0.
- 3 CTs shall be " CAST RESIN" type.
- 4 MCCB's upto 250 A shall be with adjustable thermal-magnetic and above 250A microprocessor based adjustable release.
- 5 All indication lights shall be LED type.
- 6 All meter shall be " DIGITAL " type.
- 7 Breaking capacity of all MCCB's are Ics= Icw service breaking capacity
- 8 Degree of protection for panels shall be IP : 52
- 9 Panel manufacturer should have type test certificates for short time withstand current test of 50KA for 1.0 sec from CPRI. Bhopal/ Bangalore.
- 10 Control SP MCB'S of 2A rating shall be provided for each metering circuit.

A	MAIN LIGHTING & POWER PANEL (MPP) INCOMING 1 No. 100A, TP MCCB (25 KA) BUS BAR i One set of 100A TPN CU. Bus Bar with PVC sleeve in sealed M.S. painted Bus chamber. METERING & INDICATION 1 set of R/ Y/B phase indication lamp with control MCB'S. 1 No. (0- 100A) Digital ammeter built- in selector switch and CTs. 1 No. (0-500 V) Digital Voltmeter with built- in selector switch & control MCB's. OUTGOING : 3 Nos. 63A, 4P MCB (10 KE) 1 no. 40A, 4P MCB (10 KE) 1 no. 25 x6 mm GI. Earth bus across the width of the panel.	Set	1.00			
B	TP MCCB IN SHEET STEEL ENCLOSURE	set	1.00			

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
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One No. 100 A TP MCCB (25 KA) in sheet steel enclosure, power painted, suitable for wall mounting. Having incoming & outgoing copper cable termination.

7.2 L.T. CABLES

Supply of the following 1100 volts Alu/ Cu conductor, Pvc insulated PVC insulated PVC sheathed, steel armoured/ unarmoured or XLPE cables as per IS - 1554/7098 part-I and as per standard specification.

A ALUMINIUM CABLES(ARMOURED)

a 4 core 50 sq. mm XLPE	Rm	10.00
b 4 core 25 sq mm XLPE	Rm	2.00

B COPPER CABLES(ARMOURED)

a 4 core 10 sq. mm PVC	Rm	20.00
b 4 core 6 sq. mm PVC	Rm	2.00

C COPPER FLEXIBLE CABLES

a 1 core 16sq. mm PVC	Rm	2.00
b 1 core 10 sq. mm PVC	Rm	20.00

7.3 INSTALLATION OF CABLES

Receiving, storing, handling, laying, testing & commissioning of the 1100 Volts PVC insulated PVC sheathed/ XLPE cable indoor trenches/indoor & outdoor cables tray/ cable rack supports/ existing pipes etc. as per specifications, inclusive of all clamps/ saddles/ screws/ cables identification tags(made of GSS sheets) etc. as required, but exclusive of supply & fixing of cable trays.

A ALUMINIUM CABLES(ARMOURED)

a 4 core 50 sq. mm XLPE	Rm	10.00
b 4 core 25 sq mm XLPE	Rm	2.00

B COPPER CABLES(ARMOURED)

a 4 core 10 sq. mm PVC	Rm	20.00
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S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
	b 4 core 6 sq. mm PVC		Rm	2.00		
C	COPPER FLEXIBLE CABLES					
	a 1 core 16sq. mm PVC		Rm	2.00		
	b 1 core 10 sq. mm PVC		Rm	20.00		

7.4 CABLE END TERMINATIONS

Supply & installation of heavy duty single compression cable end terminations for following Aluminium/ copper conductor cables using crimping sockets, brass compression glands, etc. as required.

A ALUMINIUM CABLES(ARMOURED)

a	4 core 50 sq. mm XLPE	Nos.	2.00
b	4 core 25 sq mm XLPE	Nos.	2.00

B COPPER CABLES(ARMOURED)

a	4 core 10 sq. mm PVC	Nos.	6.00
b	4 core 6 sq. mm PVC	Nos.	2.00

C COPPER FLEXIBLE CABLES

a	1 core 16sq. mm PVC	Nos.	2.00
b	1 core 10 sq. mm PVC	Nos.	2.00

7.5 DB'S AND INTERNAL WIRING WORK

A DISTRIBUTION BOARDS(DB'S)

a Supplying, receiving, storing, handling, erecting, testing, and commissioning of cabinet type of original factory fabricated double door distribution board 18 gauge rust inhibited and baked enamel painted sheet steel and comprising of incoming ELMCB/ MCB, outgoing MCB's bus bar (copper), double door, neutral bus bar or links, top & bottom detachable conduit entry plates, earthing terminals with bolts, grouting etc. complete as per specification (class of protection IP -43)

i LPDB/ AC DB

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
	8 ways TPNDDB with 24 Nos. SPMCB's of 10/ 20 A rating & controlled by 1 NO. 63 A 4P ELMCB	Nos.	1.00			
B	POINT WIRING					
b1	<p>Supplying all materials, receiving, storing, handling, fixing, wiring & testing for light, fan, exhaust fan, 6A socket etc. Starting from DB to point control box using 1100 volts grade FRLS 2.5 sq.mm. PVC insulated copper conductor stranded wiring cable & point control box to the outlet using 1100 Volts grade FRLS 1.5 sq.mm. PVC insulated copper conductor stranded wiring cable in concealed/ surface system using 20 mm/ 25mm/ 32 mm FRLS PVC conduit (ISI marked) including all conduit accessories such as bends, tees, checknuts, PVC bushes for conduit ends, draw boxes, fan hook boxes, fan regulator boxes together with wiring accessories such 6A module type switch, 3 pin 6A module type socket.</p> <p>Batten holders (wherever required) chrome plated brass screwss, including 1.5 sq. mm. FRLS PVC insulated single strand Cu. Earth wire, identification ferrules at either ends complete in all aspects. Conduit being concealed either in ceiling slab/ wall chase including making & filling chases with cement mortar etc. wooden partition above false ceiling with hanging support wherever required as per standard specifications & relevant drawing.</p> <p>Note</p> <p>i Measurement of point wiring and power socket points on average bases.</p> <p>ii Each circuit shall have independent earth wire.</p> <p>iii Each point should be earth.</p> <p>iv Circuit wiring is included in point wiring rates.</p>					
a	One light point controlled by 1 No. 6A module type switch.	Nos.	4.00			
b	A set of two light point controlled by 1 No. 6A module type switch. (2 points counted as 1 set).	Nos.	8.00			
c	A set of 3 light points controlled 1 No. 6A module type switch. (3 points counted as 1 set).	Nos.	2.00			

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
d	One exhaust fan point controlled by 1 No. 6A module type switch & 3 pin 6A module type socket. (switch shall be provided at switch board level & socket near exhaust fan).	Nos.		3.00		
e	One cabin fan point controlled by 1 No. 6A module type switch & 3 pin 6A module type socket. (switch shall be provided at switch board level & socket near cabin fan).	Nos.		2.00		
f	One No. 3 pin 6A socket points controlled by one no. 6A module type switch.	Nos.		22.00		
g	A set of 2 Nos. 3 pin 6A socket points controlled by 1 No. 6A module type switch.	Nos.		44.00		
C	POWER SOCKET POINTS					
	Same as item no. b1 of B but wiring for 6 pin 16A module type socket point using 4.0 sq.mm. FRLS PVC insulated Cu. Conductor stranded wiring cable from DB to first socket & same wiring cable from 1st socket to 2nd socket including providing & fixing of 6 pin module type socket with 16 A module type switch earthing the third pin with 16 A module type switch earthing the third pin with 2.5 sq.mm. FRLS PVC insulated single strand copper earth wire, painting etc. as required.					
a	Power socket point (1st point)	Nos.		5.00		
b	Power socket point (1nd point)	Nos.		4.00		
D	3 PIN 32A SP MOULDED SOCKET POINT					
	Same as above item no. bi of B but wiring for 3 pin 32A sp module type socket point using 6.0 sq.mm. FRLS PVC insulated copper stranded wiring cable including providing & fixing of 30A SP moulded socket with 30A SP MCB with plug top, cap & chain switch with box & earth the third pin with 2.5 sq.mm. FRLS PVC insulated copper conductor single strand earth wire as required.	Nos.		7.00		

7.6 CONDUITS & WIRING FOR DATA TELEPHONES & TV SYSTEM

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
A	PVC CONDUITS Supplying & fixing of the following rigid UPVC 2 mm wall thickness conduits bearing ISI marking with all accessories such as junction boxes, bends, tees as required, the conduits being laid in ceiling slab or floor finish, columns or wall chase/ above false ceiling/ wooden partition, with hanging support wherever required etc. making & filling of chases with cement mortar and providing G.I. pull wires in conduits.					
	a 40 mm conduit		Rm	5.00		
	b 32 mm conduit		Rm	5.00		
	c 25 mm conduit		Rm	100.00		
	d 20 mm conduit		Rm	150.00		
B	GI RACE FOR DATA WIRING : Supply,laying & fixing 14 SWG single compartment GI race way of following sizes with 10 SWG openable covers at regular intervals alongwith necessary cable support system as directed including providing of junction boxes at regular interval & fixing accessories like dash fastners cable ties etc. complete in all respects including earthing of raceway with 4 sq.mm. PVC insulated wires including cutting/ chasing of floor and making of good (cutting of floor by machine).					
	a 40 x 150 x40 mm deep		Rm	20.00		
C	DATA SOCKET a Supplying & fixing modular type socket in a suitable G.I. box for the following b RJ - 45 socket (For data/ LAN)					
			Nos.	18.00		
4.0	COMPUTER COMMUNICATION WIRING (LAN/ DATA WIRING) & TELEPHONE WIRING					
4.1	Supplying,receiving, storing, handling, erecting, testing, and commissioning of CAT -6 LAN/ Data wiring cable in existing conduits/ existing race ways.		Rm	125.00		

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
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7.7 LUMINARIES & FIXTURES

A Supply of the luminaries

Supply of the following luminaries comprising of basic channel, holder, electronic ballast, starter, condenser, control gear box complete with decorative attachments, lamps etc. as per specification and as per catalogue number giving below

a Decorative fluorescent light fixture T-5 tube light - 28W with electronic blast & body, complete in all respect.	Nos.	22.00
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B SUPPLY OF CEILING/ PROPELLER TYPE EXHAUST FANS (WITH GRAVITY LOUVERS & BIRD SCREEN) / WALL BRACKET FAN

a 300 mm dia. 900 rpm exhaust fan.	Nos.	2.00
b 400 mm sweep wall bracket fan.	Nos.	9.00

C Fixingof the luminaries

Receiving, storing, handling, assembling, erecting luminaries basic channel, holder, low cost copper ballast (as per mentioned in the item), starter, condenser, control gear box complete with decorative attachments, lamps etc. as per specifications and as per catalogue number giving below.

a Decorative fluorescent light fixture T-5 tube light - 28W with electronic blast & body, complete in all respect.	Nos.	22.00
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D INSTALLATION OF CEILING/ PROPELLER TYPE EXHAUST FANS (WITH GRAVITY LOUVERS & BIRD SCREEN) / WALL BRACKET FAN

a 300 mm dia. 900 rpm exhaust fan.	Nos.	2.00
b 400 mm sweep wall bracket fan.	Nos.	9.00

7.8 EARTHING & MISCELLANEOUS ITEMS

A TAPES/ WIRES

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
	Supplying, receiving, laying, fixing, jointing, and terminating of the following tapes/ wires in masonry trenches/ on walls / on cable tray/ along the cable with suitable G.I./ Coppe, clamps, screws etc. The wire shall be terminated with proper sockets, washers, bolts & nuts. All joints shall be rigid using double rivites :					
	a 25 x 6 mm GI Tape		Rm	10.00		
	b 16 sq.mm. Cu flex. PVC cable/ wire in PVC conduit.		Rm	26.00		
B	DANGER BOARD/ SHOCK RESTORATION CHART ETC.					
	a Supplying and fixing standard shock restoration chart in heavy wooden frame with 3 mm thick plain glass.		Nos.	1.00		
	b Supplying and fixing danger board indicating the voltage					
i	440V danger board		Nos.	1.00		
C	Supplying and fixing rubber mat suitable for 440V supply (1.0 mtr. Wide) for LT. panels.		Rm	2.00		
D	CABLE RACK.					
a	Supply, fabricated and fix cable rack with MS channels, angles, plates etc. as per design including anchor bolts/ dash fastners/ bolts/ nuts etc. as required complete with painting with one coat of primer and two coats of synthetic enamel paint as per approval..		Kg	50.00		
E	CABLE tray					
	Supply, fixing of Ladder type/ perforated (powder coated) cable tray made of 2.00 mm thick sheet steel with all fixing arrangements etc. as required including all fixing/ grouting & hanging arrangement with supply. (Please note that all "T" joints and "X" joints shall be prefabricated type with circular design).					
a	25 x 100 x 25 mm wide cable tray (Perforated type)		Rm	17.00		

Total Amount

Total amount in Words

List of Approved makes - As given below or as per architects approval

MATERIAL

MANUFACTURER/BRAND NAME

S NO.	DESCRIPTION	QTY	UNIT	RATE IN Rs.	Rate in words (Rs)	AMOUNT(Rs.)
1	Anti termite chemical (Chlorpyriphos emulsifiable concentrate)		NOCIL			
2	Adhesive		For wood-Fevicole-SH/Movicole HV			
3	Fitting Hardware		EBCO(Earl Bihari), Hetich			
4	Locks		Godrej, Golden			
5	Laminate		1.5 mm thk. Greenlam, Century 1.0mm thk. ,Greenlam,Sunmica,Century			
6	Paints		Asian, Berger, Dulux , Shalimar (Bison) British Paints, Asian Paints or equivalent.			
7	Wood preservations		Confirming to IS 1659			
8	Plywood		Confirming to IS 303			
9	Glass		Modi float glass			
10	Prelaminated Particle Board		Archid, Nova pan, Greenlam,			
11	Softboard		Sitatex			
12	Cement		L&T, Ambuja,Bangur, Birla,JK			
13	Vitrified Tiles		Kajaria, Nitco, Marbonite			
14	Paint (Distemper / Plastic Emulsion		Berger,Asian , Shalimar			
15	Vertical Blinds		Mac/Vista levelor/ as approved			
16	MCCB		L&T,SEIMENS,MERLIN GERIN(FRANCE)			
17	MCB,RCCB & DISTRIBUTION BOARDS		LEGRAND,L&T,MERLIN GERIN.			
18	CONDUIT		BEC ,AKG			
19	COPPER WIRE		SKYTONE,RALLISION,PHINOLEX,RAJNIGANDHA.			
20	POWER CABLES		CCI ,HAVELLS,RALLISION,GEMS CAB.			
21	FITTING		PHILIPS ,CROMPTION			
22	SWITCH & SOCKETS		MK ,ANCHOR ROMA.			
23	CABLE END TERMINATION		COMMETT			
24	THIMBLES		DOWELLS			
25	TELEPHONE TAG BLOCK		KRONE/AMP/AVAYA			

Contractors Signature

Contractors Name

