

**DETAILED SPECIFICATIONS FOR THE PROPOSED FURNISHING, CIVIL AND ELECTRICAL WORKS OF E.C.G.C. LTD., MIDLAND FINANCIAL CENTRE, G.T. ROAD, JALANDHAR CITY.**

S. No.	Description of items	Qty	Rate	Amount
<b>A</b>	<b>FURNISHING WORKS:</b>			
1.	<b>FULL HEIGHT PARTITIONS:-</b> Providing and fixing full height partition of 2"x2" kail wood/partial wood frame at 1'-6" c/c both ways bottom member shall be 4" x 2" for skirting. The frame is fixed rigidly at floor level as well as RCC ceiling bottom. 6mm thick BWR ply (approved made) with 1.0 mm thick approved shade laminate shall be fixed on both sides as per design. The skirting shall be 3" high duly Laminated and edging coated with fire resistant paint (Viper). The rate includes making provision for electrical conduits and switch boxes. All job to be done to architects satisfaction/direction. (Measurements shall be taken up to false ceiling level).	920 sft		
2.	<b>FULL HEIGHT PARTITIONS WITH GLASS:-</b> Providing and fixing wooden partition with specification same as item no. 1.a .but with 6mm thick clear glass shall be fixed at 3'-0" height including required wooden frame and beading. The cost also includes etching complete to the glass.	260 sft		
3.	<b>LOW HT. PARTITION &amp; CUBICALS PARTITION:-</b> Providing and fixing low ht. partition (3'-9" to 4'-6" high) made of 2"x2" kail/partial wood frame at 1'-6" c/c both ways and bottom member 4"x2" for skirting shall be 3" high duly laminate and edging coated with fire resistant paint (Viper). The kail wood frame is fixed rigidly at floor level 6mm commercial ply with 1.00 mm thick approved shade laminate shall be fixed both sides. All exposed teak wood surfaces shall be stained to approve colour finished with melamine (2 or more coats of apcolite) the partition includes cost of 12mm thick glass with etching as per design.	350 sft		
4.	<b>WALL PANELLING:-</b> Providing and fixing wooden paneling on wall /columns made of 2" x 1" kail wood frame @ 2'-0" c/c both ways with 4"x1" kail wood member at bottom fixed rigidly with nailscrew and wooden plugs fixed with cement mortar 1:3 where ever required. The kail wood frame shall be painted with fire resistant paint (Viper) and 6mm BWR ply with 1.00mm thick laminate of approved colour and design shall be fixed on the frame work up to specified height. The skirting shall be 3" high duly laminated. The rate includes making provision of electrical boxed, switch plates etc. All exposed surfaces shall be of teak wood duly stained to approved colour finish with melamine (2 or more coats of approved).	300 sft		
5.	<b>HARDWARE:-</b>			
a	Providing and fixing of mortise locks (Godrej/Harrison) in Manager's cabin, UPS/record room etc. as per directions of the Architect.	5 nos		
b	Providing and fixing hydraulic door closures of approved make and	9 nos		

	colour.			
c	Providing and fixing of drawer locks (Godrej/Harrison).	60 nos		
6.	<p><b>RUNNING/CLERICAL COUNTERS:-</b>  Providing and fixing in position counter as per layout plan for officers, cashier and clerks. The writing top shall be 2'-6" high and 2'-0" wide. The customer's top, writing top, front projected face (Apron) and sides (structure) shall be made of 19mm thick commercial board with 1.00 mm thick laminate and exposed surfaces shall have teak wood liping and edging. The counter shall have three cupboard drawer (size 1'-3" x 1'-6" x 6" 2nos, 1'-3" x 1'-6" x 1'-3" ) with proper sliding arrangement with brass handles/knobs, Godrej locks, Key tray (Earl Bihari) and making provision for electric points, conduits, switch boxes, wire manager etc. All visible teak wood members should be stained to approved and finished with melamine finish. All inner surfaces painted with enamel paint two or more coats (approved shade and brand) with one priming coat. The cost also includes wooden stand for CPU and foot rest.</p>	17 rft		
7.	<p><b>FALSE CEILING GYP BOARD :-</b>  Providing and fixing Gypsum board false ceiling in level as per the detailed drawing – make up of G.I. frames as specified by Gypsum India limited and 12mm thick. Gypsum board with suitable suspenders fixed to the ceiling. Ceiling sections, perimeter channels, suspenders etc. shall be standard section supplied by Gypsum India LTD. Spacing of intermediate channels shall be at 1200 mm c/c and ceiling section at 457 mm c/c the work includes finishing of joints, applying primer, two or more coats of plastic emulsion paints, making cut-out for light fixtures, etc. providing of perimeter channels / beading etc. as per drawing. (surface area will be measured and paid)</p>	830 sft		
8.	<p><b>FALSE CEILING ARM STRONG:-</b>  Providing and fixing arm strong mineral fibre ceiling tiles(Spin Tone/ Dura) in size 600 x 600 x 15mm, which includes power coated exposed grid system comprising of main runners 38mm, cross tees 28 mm (4" &amp; 2") and wall angles 24mm thickness 0.35mm as per standard specifications of manufacturer and approved by the architect and painted with two or more coats of plastic emulsion paint over a coat of primer. The item includes any material required for light fittings, AC grills Diffused and cut out incl. cutting of openings for light fixtures etc. complete as per design. The finished area shall be measured and paid.</p>	320 sft		
9.	<p><b>LOW HEIGHT STORAGE:-</b>  Providing and fixing 18" deep and 3'-0" high filling cupboard made out of 19mm thick comm. Board. The sides partition, Top, shelves and bottom shall be made of 19mm thk. Comm.. board and back shall be of 19mm thk. comm. board. The shutter shall be made of 25mm thk. laminate with teak wood edging as per detail drawing. Teak wood liping shall be provided on all exposed ends of comm. board. Laminate shall be provided on all exposed sides of</p>	200 sft		

	cupboard. The rate includes necessary hardware such as hinges, tower bolts, Godrej locks and knobs and brass handles. The skirting shall be 3" high duly laminated. All exposed surfaces of rubber wood shall be stained to approve colour and finished with melamine. All inner surfaces shall be finished with enamel paint two or more coats over of primer.			
10.	<b>SOFT PIN UP BOARD :-</b> Providing and fixing pin up to board made of 12mm thick soft board of 6mm th. BWR ply covered by 25mm x25mm teak wood beading at all exposed surfaces duly painted / polished to approved colour and soft board covered with blazer / fabric cloth (Rs. 150/- per sqm) of approved colour. Pin up board to be fixed to wall space in manager's cabin as in Banking hall as required.	180 sft		
11.	<b>PLANTER BOXES :-</b> Providing and placing planter boxes made of 19mm thick. Commercial board sides and bottom. The skirting shall be 3" high duly laminated. All exposed sides of the planter shall be 1.00mm thick laminate with teak wood edging made of 1" x 3/4". The rate shall include cost of fitting of 20SWG, GI sheet inside the polishing.			
a	1'-6" x 1'-6" x 1'-4"	3 nos		
b	1'-6" x 1'-6" x 2'-6"	2 nos		
12.	<b>VERTICAL BLINDS :-</b> Providing and fixing vertical blinds giving 25 mm high grade aluminum alloy slats with 0.19 mm thickness and 100 mm wide. The head channel should be of GI steel U shaped PU powder coated fitted with guardian tilter having tomised steel housing and self lubricating nylon automatic disengaging worm and gear mechanism, all the fixtures in the top rail including drums, cradle, tilt rod etc. will be tomised steel with 19mm bottom rail made of GI steel in matching colour. The slat is to be placed braided polyester yarn. The top rail is to be fixed on GI steel "L" shaped swivel bracket to hold head channel. The blind will be in approved colour shade. (payment will be made on the basis of brick opening) Make : Classic, Vista or equivalent.	210 sft		
13.	<b>SIDE RACKS :-</b> Providing and fixing in position 3'-0" to 4'-0" long 1'-6" wide and 2'-6" high side rack made out of 19 mm thick board with 1.00 mm laminate as approved sliding shutter/openable type shutter. Inside divisions appropriate size Vertical and horizontal to be finish in polish as above to be complete in all respect including Brass Handles, Locks incl. necessary hardware in Brass.	6 nos		
14.	Corner Table 2'x2' Teak Wood as/Drg with 12mm glass on top duly beveled all sides.	3 nos		
15.	Center Table 4'x2' Teak Wood as/Drg with 12mm thick glass on top duly beveled all sides.	2 nos		
16.	<b>MAIN ENTRANCE FRAMELESS DOOR :</b> Providing and fixing of fully glazed steel pivoted frameless door at the main entrance and 12 mm toughened glass, etched as per design	60 sft		

	in between. Rate should be inclusive of approved locking systems, 1 pair SS Handles, single action floor spring with base plate, miscellaneous imported steel hardware Items, all complete.			
17.	<b>FIXED GLASS:</b> Providing and fixing of 12 mm toughened glass, etched as per design at the entrance alongwith door and in window with fittings of approved branch. Joints to be filled with silicon etc.	95 sft		
18.	<b>FLUSH DOOR:</b> Providing and fixing in position 35 mm solid core flush door finished with 1 mm thk. Laminate as per design on both sides duly polished, t.w. lipping on two vertical and horizontal edges having medium duty door closer, Cylindrical Lock, door stopper, brass hinges, etc. Also providing 75 x 62.5 mm second class t.w frame having t.w. lipping fixed in eitger surface of the frame duly polished with 3 coats of lacquer Melamine and fixed to the partition frame.	73 sft		
19.	<b>PARTLY GLAZED DOOR :</b> Providing and fixing in position 35 mm solid core panel door finished with 1 mm thick laminate on both sides up to height, t.w. lipping on two vertical and horizontal edges, medium duty door closer, cylindrical door lock, door stopper, etc., 75 x 62.5 mm second class t.w. frame with t.w. lipping, 8mm thick glass with necessary etching and/or frosting to be provided as per design / direction, fixed with wooden moldings from both sides. All exposed wood work to be melamine polished The work should be finished as per specification, design and completed in all respects.	51 sft		
20.	<b>PLASTIC PAINT:-</b> Plastic Emulsion Paints on walls & ceiling two or more coats of plastic emulsion paint on and ceiling in stepla roller finish incl. Removing of existing paint and re doing new base work as required for new work to give smooth finish.	3370 sft		
21.	<b>CHAIRS:</b> Providing and supplying medium back chairs of approved colour of Godrej or Mehodex make only.			
a.	Branch-in-charge (high back) with revolving and tilting arrangements.	1 no		
b.	Officer Chairs (medium back) with revolving and tilting arrangements.	3 nos		
c.	Low back chairs without arms ( <b>visitor chairs</b> )	4 nos		
22.	<b>SOFA CHAIRS:</b> Providing and supplying 3 seater sofa of metallic under structure with metal arms and legs with silver-grey powder coated finish and PU foam in seat and back complete (Methodex make or equ.)	3 nos		
23.	<b>ELECTRICAL PANEL BOXING:</b> Providing and fixing of electrical panel boxing of ceiling height and depth as per size of electrical panel. The frame and panel consisting of 19mm thick commercial board with 1mm laminate on front side of approved shade and make. Inside enamel painting 3 or more coats over priming coat. The work includes supplying, fixing of	36 sft		

	hinges, magnetic cathers, SS handles, teak wood lipping, ventilator grill etc.			
24.	<b>ACP PANELLING:</b> Providing and fixing in position Aluminum Composite Panelling, Partition with ACP sheet on both sides, rolling shutter box with framing of aluminum tube sections of min 1½” x 1” and 18G 2’ c/c both ways. ACP to be in 2’ width panels of distributed equally. Panels to be fixed on the frames with 3M or equ. adhesive. Joints to be finished with silicon based sealant (black colour). ACP thickness of 3mm minimum. Aluminum foil thickness to be min. 0.20mm on both sides. Alstrong, ALEX, Alstone or equ. make ISO certified to be used. The paneling can be used for window jams, cladding etc.	164 sft		
25.	<b>RECEPTION TABLE:-</b> Providing & placing in position 5’-0” long 2’-6” wide reception Table measured at centre shape made out of 19 mm thick Commercial Board with 12 mm thick Glass duly beveled all around and Veneer as Approved at Top and side, The Table shall have Drawers, Box Unit, Key Tray on Slides etc. All exposed portion of table shall be finished with teak wood lipping duly melamine polish. The work to be complete in all respect incl. Brass Handles, Locks necessary hardware in Brass.	1 no		
26.	<b>BRICK WALL:</b> Construction of 9” thick brick wall 1:5 (1 part cement: 2.5 parts coarse sand and 2.5 part fine sand) in superstructure in all heights as per drawing and plastering 1:4 (1 part cement: 4 part fine sand) on both sides of walls with curing, scaffolding etc. complete in all respects.	152 sft		
27.	<b>RCC BEAM:</b> Providing and laying RCC Beam/Lintel 1:1½:3 with steel reinforcement as per drawing including centring and shuttering complete in all respects. The plaster will be measured in item no. 26. Nothing extra shall be paid.	20 cft		
28.	<b>OFFICER’S TABLES:-</b> Providing & placing in position 5’-0” long 2’-6” wide Officer’s Tables measured at centre shape made out of 19 mm thick Commercial Board with 12 mm thick Glass duly beveled all around and Veneer as Approved at Top and side, The Table shall have Drawers, Box Unit, Key Tray on Slides etc. All exposed portion of table shall be finished with teak wood lipping duly melamine polish. The work to be complete in all respect incl. Brass Handles, Locks necessary hardware in Brass.	2 nos		
29.	<b>BRANCH MANAGER’S TABLE:-</b> Providing & placing in position 6’-0” long 3’-0” wide reception Table measured at centre shape made out of 19 mm thick Commercial Board with 12 mm thick Glass duly beveled all around and Veneer as Approved at Top and side, The Table shall have Drawers, Box Unit, Key Tray on Slides etc. All exposed portion of table shall be finished with teak wood lipping duly melamine polish. The work to be complete in all respect incl. Brass Handles,	Rate Only		

	Locks necessary hardware in Brass.			
30.	<b>STEEL SHUTTER:-</b> Providing and fixing of steel shutter with gear box as per existing design of good quality approved by the architect and MS cover with priming coat and two coats of synthetic enamel paint (Asian/Dulux/Narolac) of approved shade.	180 sft		
31.	<b>STAINLESS STEEL LOGO:</b> Providing and fixing of stainless steel logo of size 1220x550mm made out of 18g, 304 grade all as per the directions of the architect.	1 no.		
32.	<b>FORMS TRAY SS STAND:</b> Providing and fixing of form tray stand, the stand bse made out of stainless steel 100mm dia SS 304 grade heavy duty pipe, the pipe height of upto 1400mm to 1500mm, the pipe to be filled with wooden filler inside the pipe and bottom to be made out of SS box type 500x500x40mm height. The bottom plate also should be filled with plywood. The bottom plate also should have the provision of threading to fix the vertical SS pipe. The Forms stand to be provided with 8 numbers of form tray, forms tray of size 270mm to 300mm width x 400mm depth x 50mm to 75mm height single moulded tray. The tray made out of 5 to 6mm thick transparent acrylic sheet. The each tray should be fixed with SS bracket as per design complete in all respects.	1 no		
	<b>TOTAL</b>			
<b>B</b>	<b>ELECTRICAL WORKS:</b>			
1.	Providing & fixing of POINT WIRING for light points, ceiling & wall fan. The item include circuit wiring for DB to switch plate with 2 x 2.5 sq mm PVC insulated copper wire with 1.5 sq mm PVC insulated copper wire for earthing in PVC Conduit , point wiring to be laid with 2 x 1.5 sq mm PVC insulated copper wire in PVC Conduit with all necessary accessories such as saddle on surface or embedded in wall , chasing the wall & making the surface neat afterwards. The item includes 6A Switch of <u>MK/ ABB / Crabtree (Double module)</u> all base plate & cover plates , G I Box etc , ceiling rose to be provided for exhaust fan complete ( Each Circuit to take not more than 5-6 points) for following points. All wire shall be FRLS type & of makes as per approved list as enclosed in tender.			
a.	Providing & fixing of point wiring with same specification as MAIN POINT wiring as above but one point controlled by One 6A Switch.	42 nos		
b.	Providing & fixing of point wiring with same specification as MAIN POINT wiring as above but Two point controlled by One 6A Switch.	12 nos		
c.	Providing & fixing of point wiring with same specification as MAIN POINT wiring as above but Three point controlled by One	4 nos		

	6A Switch.			
d.	Providing & fixing of point wiring with same specification as MAIN POINT wiring as above for wall Fan / Exhaust Fan point controlled by One 6A Switch & 6A Socket with plate & box as required near to fan.	16 nos		
e.	Providing & fixing of wiring GLOW SIGN Board as main point wiring with 2 x 2.5 sq mm PVC insulated wire with 1 x 1.5 sq mm PVC insulated copper wire in PVC Conduit the item include analog type adjustable TIMER switch which adjustable over 24 hour with 15 min intervals & is to Have its own battery & enclosed in M S Box with acrylic lid of ABB / MDS /ABB make.	1 no		
f.	Provided & fixing of 16A POWER PLUG point wiring with 2 X 4.0 sq mm & 1 x 2.5 sq mm PVC insulated copper wire in PVC Conduit including One no. 16A Switch & 16A Socket with plate & Box, One Point circuit.	5 nos		
g.	Providing & fixing of looped 16A POWER PLUG point wiring with 2 X 2.5 sq mm & 1 x 1.5 sq mm PVC insulated copper wire in PVC Conduit including One no. 16A Switch & 16A Socket with plate & Box .	3 nos		
h.	Providing & fixing of 6A LIGHT PLUG point wiring with 2 X 2.5 sq mm & 1 x 1.5 sq mm PVC insulated copper wire in PVC Conduit including One no. 6A Switch & 6A Socket with plate & Box .	7 nos		
i.	Providing & fixing of looped 6A LIGHT PLUG point wiring with 2 X 2.5 sq mm & 1 x 1.5 sq mm PVC insulated copper wire in PVC Conduit including One no. 6A Switch & 6A Socket with plate & Box .	5 nos		
j.	Provided & fixing of Computer point wiring with 2 X 2.5 sq mm & 1 x 1.5 sq mm PVC insulated copper wire in PVC Conduit including One no. 16A Switch & Four no. 6A socket with plate & Box ( all 4 Nos. Socket, Switch & indicator to be consider as one point) Max 2 points per circuit but each point to be counted for payment (Each circuit to be controlled by One MCB).	8 nos		
k.	Providing & Fixing of Computer wiring with same specification as above item but point to be looped with main point.	6 nos		
l.	Provided & fixing of Call Bell point wiring with 2 X 1.5 sq mm & 1 x 1.5 sq mm PVC insulated copper wire in PVC Conduit including One no. 6A Push button Switch & with anchor call bell Tressa.	1 no		
m.	Providing & Fixing of Telephone wiring with 2pair / 4 core telephone wire in PVC Conduit including one no. RJ – 11 Tel jack , plate & box , complete as required.	8 nos		

n.	Providing & fixing 20 Pair tag block krone make connectors in M S Box	1 no		
o.	Providing & laying, connection of 20 pair 0.5 mm electrolytic grade annealed tinned copper conductor Telephone cable 1n PVC Pipe.	30 mtrs		
2.	<b>MAIN PANEL</b>			
	<p>Design , fabrication , assembling , supply , installation , testing &amp; commissioning of 2.00 mm thick sheet steel enclosed cubical , compartmented , Dust 7 vermin proof with rubber gasket &amp; lockable doors with bus bar bars , Metering &amp; indication as specified the panel shall be wall mounted / floor mounted. All fabrication shall be with CRCA Sheet steel with stiffners &amp; welding as reqd &amp; with the earth terminal , with following items</p> <p><b>INCOMING –</b></p> <p>-125 A , 35KA , TPN MCCB , 200A TPN Aluminum bus bars with colour coding. qty 1 no.</p> <p>-100a , 4p , ONLOAD Change over switch, Front Handle operated type , Qty 1no.</p> <p><b>OUTGOING</b></p> <ul style="list-style-type: none"> <li>- 63 A , 4P , 25 KA , MCB -2 nos.</li> <li>- 40 A , 2P , 25 KA , MCB – 2 nos.</li> </ul> <p>One set of Digital type Voltmeter &amp; Ammeter with selector switch, RYB Ph indicating LED type lamps, control MCB shall be of 6A Rating.</p>	1 no		
3.	<b>DISTRIBUTION BOARDS</b>			
	All MCB to be C Series			
a.	Providin , fixing, connection, testing & commissioning of 6 ways TPN double door Distribution board for LIGHT POINT Flush mounting type, internally wired , neutral & earth bus bars, mounted on wall by cutting & repairing wall afterward with 40A, 4P, MCB Incoming & 12 nos. 10A SP MCB, as required.	1 no		
	Providing, fixing, connection, testing & commissioning of 6 ways TPN double door Distribution board for POWER / AC POINT Flush mounting type, internally wired, neutral & earth bus bars, mounted on wall by cutting & repairing wall afterward with 63A, 4P, MCB Incoming & 12 nos. 32A SP MCB, as required.	1 no		
c.	Providing & fixing of 63 / 40A, 4P MCB in MS Box for UPS input.	1 no		
d.	Providing & fixing of 63 / 40A, 2P MCB in MS Box for UPS for UPS Output.	1 no		



e.	Providing, fixing, connection, testing & commissioning of 12 way SPN double door Distribution board for UPS Flush mounting type, internally wired , neutral & earth bus bars, mounted on wall by cutting & repairing wall afterward with 40A, 2P, MCB Incoming & 10 nos. 10A SP MCB, as required.	1 no		
4.	<b>LT Cable &amp; Main Circuit Wiring</b>			
a.	Providing & fixing of LT Cable , 1100 V , PVC Insulated, Aluminium, armoured LT cable of size 3.5 x 50 sq mm along with 10swg GI earth wire, to be saddled on wall from main meter to main panel.	40 mtr		
b.	Providing & fixing of Main circuit wiring with 4 x 6 sq mm & 2 x 2.5 sq mm PVC Insulated copper wire in PVC Conduit Main Panel to various D.B.s.	10 mtr		
c.	Providing & fixing of Main circuit wiring with 4 x 10 sq mm & 2 x 4 sq mm PVC Insulated copper wire in PVC Conduit Main Panel to ACDB / UPS D.B.s.	40 mtr		
d.	Providing & fixing of Main circuit wiring with 2 x 6 sq mm PVC Insulated copper wire in PVC Conduit UPS to UPS D.B.s.	5 mtrs		
5.	<b>CABLE TERMINATION</b>			
	Supplying, connection the end termination above Aluminium / Copper cable / Copper wire as per details below.			
a.	3.5 x 50 sq mm AI Cable.	4 nos		
b.	4 x 10 sq mm copper conductor	2 nos		
c.	4 x 6 sq mm copper conductor	4 nos		
e.	4 x 6 sq mm copper conductor	4 nos		
6.	<b>EARTHING SYSTEM</b>			
	Providing, fixing, testing & connection of CHEMICAL TYPE Earth Pit as per following detail. Each pit installation test certificate to be submitted after measurement of earth residence as per provision in IS: 3043.			
a.	Supply & Installation of pipe – pipe technology Earthing system Model Type T-19 with outer diameter 50 mm , length 2000 mm embedded in the soil with masonry inspection pit along with C I copper etc. complete in all respects, FOR PANEL BODY Earthing.	1 no		
b.	Supply & Installation of pipe – pipe technology Earthing system Model Type T-39 with outer diameter 80 mm, length 2000 mm embedded in the soil with masonry inspection pit along with C I Coer etc complete in all respects. FOR UPS Earthing.	1 no		
c.	Providing & Fixing of 1 x 8swg Copper earth wire in PVC Conduit inside the Branch	35 mtr		
d.	Providing & Fixing of 1 x 8 swg Copper earth wire in G I Conduit	15 mtr		

	Outside the Branch			
7.	<b>ELECTRICAL FIXTURE &amp; FANS</b>			
	Item includes Providing, assembling, fixing, testing, & commissioning OF FOLLOWING LIGHT FIXTURES & FANS including all accessories & extension cords as may be necessary. all LED/ CFL / Fluor scent fixtures ( except down lighter ) to be hung for RCC Ceiling by 20 kg grade adjustable chain & in NON False Ceiling area they are hung by appropriate down rod.			
a.	Providing & fixing of Recessed mounted direct / indirect high performance decorative LED luminaries LCTLR-36-CDL of Crompton.	12 nos		
b.	Providing & fixing of Recessed mounted down Light fixture LED 5W ROUND LCND-5-CDL of Crompton.	20 nos		
c.	Providing & fixing of 1 x 36W, 4' long light fixture with electronic choke with 36 W tube of Philips or equivalent of wipro make.	6 nos		
d.	Providing & Fixing of decorative type wall bracket light / Mirror light.	2 nos		
e.	Providing & fixing of Wall Fan ( 400 mm dia ) of Crompton / Orient / Bajaj / Usha make	12 nos		
f.	Providing & fixing of exhaust Fan (300 mm dia ) of Crompton / Orient / Bajaj / Usha make with shutters.	4 nos		
8.	<b>MUSIC SYSTEM</b>			
a.	Supplying, Laying and fixing of speakers wire 14/ .0076 twin flt speaker cable for music system including supply & fixing of 6" dia, 6 watt Ahuja / Philips / Bosch make Recess type speakers.	6 nos		
	<b>TOTAL</b>			
C.	<b>DATA CABLING: (Including labour for fittings)</b>			
1.	Providing, laying CAT-VI UTP 4 pair network cable in suitable size heavy duty PVC conduit and conduit accessories. Maximum 4 runs of cables in 25mm conduit.	350 mtr		
2.	Supplying and fixing of I/O box with face plate.	12 nos		
3.	Shifting of Rack, Switch & Patch Panel and fitting the same in new office as per drawing.	1 job		
4.	Supplying and fixing of Patch Cord 1m length	28 nos		
5.	Supplying and fixing of Patch Cord 2m length	20 nos		
	<b>TOTAL</b>			
D.	<b>AIR-CONDITIONING WORK:</b>			
1.	Dismantling of Ductable type AC units of capacity 8.5TR and 5.5TR including accessories shifting from existing place to new office complete.	1 job		
	Installation, testing and commissioning of			
2. a.	8.5TR air-cooled ductable unit	1 no		
b.	5.5TR air-cooled ductable unit	1 no		
3. a.	Refrigerant copper piping PKG (10RMT/ckt)	10 rmt		
b.	Refrigerant copper piping PKG (10RMT/ckt)	10 rmt		

4. a.	Un insulated GSS ducting (SAIL) 24G	40 sqm		
b.	Un insulated GSS ducting (SAIL) 22G	10 sqm		
5.	Condenser frames for outdoor units (wall mounted)	2 nos		
6.	Duct thermal insulation	50 sqm		
7.	Acoustic lining with 25mm thick fibre glass covered with			
a.	R.P. tissue paper, aluminum perforated sheet (Uptwiga)	3sqm		
8.	25mm dia PVC drain pipe with fittings	20 rmt		
9.	Al. Powder coated supply grill with damper	1.5 sqm		
10.	Al. powder coated return air grill without damper	2 sqm		
11.	Double Canvas Connection	2 nos		
12.	6x1.5mm sq. copper PVC insulated flexible electrical cable	30 rmt		
	<b>TOTAL</b>			
<b>E</b>	<b>Fire Fighting Works: (Including labour for fittings)</b>			
1.	Supplying, Installation, testing and commissioning of 2 Zone Conventional Fire Panel with Display and standard battery back of 2 hours. (Agni/Honeywell)	1 no		
2.	2C X 1.5 sq. mm untwisted shielded ATC conductor cable.	160 rft		
3.	Supplying, Installation, testing and commissioning of Smoke Detector with mounting base, blinking LED etc. complete as required. (Conventional system)	5 nos		
4.	Supplying, Installation, testing and commissioning of Hooter min 80 db output. (Conventional system)	1 no		
5.	Supplying, Installation, testing and commissioning of Manual Call box in ABS plastic as required complete. (Conventional system)	1 no		
6.	Supplying, Installation, testing and commissioning of Response Indicator as required complete. (Conventional system)	1 no		
7.	Supplying, Installation of Dry Powder Fire Extinguisher (Stored Pressure) 2 kg with M.S. clamps etc. with 5 year warranty I.S. No. 15683 Hydraulic Pressure Test 30kgf/cm <sup>2</sup> . (make Minimax/Ceasefire)	1 no		
8.	Supplying, Installation of Dry Powder Fire Extinguisher (Stored Pressure) 5 kg with M.S. clamps etc. with 5 year warranty I.S. No. 15683 Hydraulic Pressure Test 30kgf/cm <sup>2</sup> . (make Minimax/Ceasefire)	1 no		
	<b>TOTAL</b>			
	<b>GRAND TOTAL (A+B+C+D+E)</b>			

In words:

In Figure:

**Signature and Address seal of the contractor.**