



Quotations invited for Interior Designing and Set up of Center of Excellence at Delhi and Tirupur

Greetings from the Apparel Made-ups & Home Furnishing Sector Skill Council.

Introduction of AMH SSC

This is to introduce this Sector Skill Council.

The Government of India has constituted Prime Minister's ambitious skill development programme under the leadership of the National Skill Development Corporation. The NSDC mandates skill formation to develop the workforce with enhanced skill through structured programme and assessment.

AMH SSC has been launched jointly by the Ministry of Textiles, National Skill Development Corporation and the Apparel Export Promotion Council with primary mandate of enhancing and to build a capacity in skill development. One of the salient features of the AMH SSC is designing of training programmes, based on industry demands of different segments and to ensure that all successful trainees are certified through accredited agency.

AMH SSC has been authorized by NSDC for evolving assessing proficiencies of skills of trainees for the Apparel, Made-ups and Home furnishing sectors for their respective subject areas. The assessment is defined as a structured process in which evidence of performance is gathered and evaluated against approved QPs/NOSs, as approved by the NSDC.

Sealed competitive quotations, under two bid system, are invited from reputed interior decorators/contractors, having proven track record in the field, for undertaking the work of furnishing and interior decoration of AMH SSC Centers of Excellence at Delhi and Tirupur. The quotations should reach CEO, AMH SSC on or before 02:00 Hrs on 01.05.2018, which will be opened on the same day at 02:30 Hrs in the presence of bidders present, if any. CEO, AMH SSC, reserves the right to accept or reject any or all the quotations without assigning any reason, whatsoever. Design & Layout, Enquiry Document, and further details are available on AMH SSC website under Enquiries Section.

Sd/-
Dr. Roopak Vasishtha
CEO & DG
AMH SSC

**Apparel Made-ups & Home Furnishing
Sector Skill Council**

ENQUIRY DOCUMENT

ENQUIRY NO. AMHSSC/ADMN/CORP/2018/04

Dated: 23.04.2018

Setting Up and Interior Decoration of Centers of Excellence at Delhi and Tirupur

AMH SSC requires the services of a professional agency with proven credentials in the field of Fabrication, Construction & Interior Decoration for the setting up and interior design of Centers of Excellence at Delhi and Tirupur as per the scope of work given below.

A. SCOPE OF WORK

Setting up and Interior Decoration of the Office having a floor area of 6112 sq. ft. (Delhi) and 6430 sq. ft. (Tirupur).

Draft layout attached with the Enquiry document.

B. GUIDELINES FOR SUBMISSION OF ENQUIRYS

The technical and financial bids for the setting up & interior decoration of Centers of Excellence, AMH SSC, at Delhi and Tirupur should be **submitted separately** and should include the following :

Cover – 1 : Superscribed with "**Technical bid for setting up & interior decoration of Center of Excellence – Delhi, AMH SSC** " and should accompany the following documents:

- i. Profile of the Agency / Company.
- ii. Track record - details of involvement in similar projects.
- iii. Financial Statements signed by a statutory auditor, indicating turnover of the company, balance sheet and Profit & Loss Account for last three years.

Cover – 2 : Superscribed with "**Financial bid for setting up & interior decoration of Center of Excellence – Delhi, AMH SSC** " and should accompany the following documents :

1. (i) A Financial Bid, clearly indicating the cost, inclusive of taxes, if any, for carrying out the work (Itemwise cost/Headwise expenditure, in accordance with the drawing attached, should be indicated).

(ii) The financial quote should be exactly in accordance with the drawing attached with this Enquiry document.

2. **Terms of Payment** : Payment will be made to the bidder as per following schedule:

- a) Advance shall be paid, on mutually agreed percentage of the value of the contract, on award of the work order.
- b) Balance payment will be effected in instalments based on the progress of the work.
- c) Taxes as applicable will be deducted at source

The outer sealed cover containing the above 2 sealed covers to be superscribed with "**Bids setting up & interior decoration of Center of Excellence - Delhi**". The inner and outer covers should have the Full Name, Postal Address, E-mail and Telephone number of the Bidder on the bottom left corner.

For Tirupur Center of Excellence, similar documents need to be submitted separately.

The Bids as per details given above should be submitted to the CEO, AMH SSC, Indian Buildings Congress, 1st Floor, Sector – 6, R. K Puram, New Delhi. Technical and Financial bids received by Email and bids received beyond the appointed time will not be accepted.

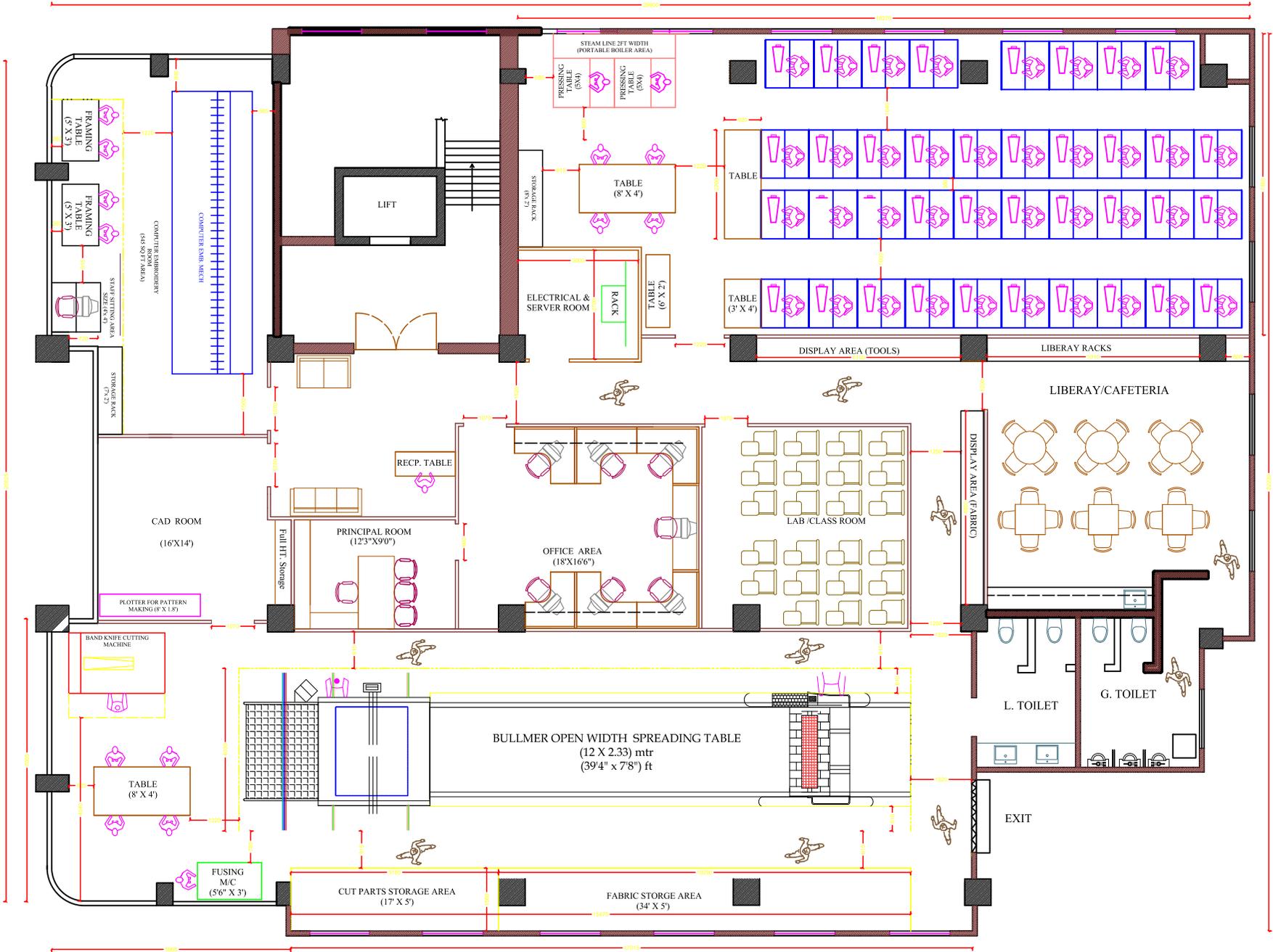
Sd/-
Dr. Roopak Vasishtha
CEO
AMH SSC

C. ADDITIONAL INFORMATION

- i. The Centers of Excellence in the full-fledged interior decorated form shall be handed over to the CEO of AMHSSC within 30 days after award of the work;
- ii. AMH SSC reserves the right to reject or accept any offer without assigning any reasons whatsoever.
- iii. AMH SSC reserves the right to alter the quantity of any process / product.
- iv. Selection of Agency(ies) will be based on the acceptance of the technical competency of the agencies as revealed from the technical bids and lowest quote received for the work.
- v. Conditional bids will be rejected outright. The quoted price should be all inclusive (including taxes, levies etc.). The amount quoted should be indicated both in words and figures. Corrections/overwriting have to be avoided. All pages should be signed by the authorized signatory.
- vi. **Opening of the Bids** : The Enquiries will be opened at **02.30 hrs. on 01.05.2018**, at AMHSSC, Delhi Office, in the presence of bidders or duly authorized representatives of the bidders, if any.
- vii. **Liquidated Damages** : In the event of bidder's failure to complete the work within the specified time, AMH SSC may, without prejudice to its any other rights hereunder, recover from the bidder, as Liquidated Damages, the sum of 5 % of the contract price.
- viii. **Termination by default** : AMH SSC reserves the right to terminate the contract of any agency in case of unsatisfactory services.
- ix. **Jurisdiction** : The contract shall be interpreted and governed by the Laws of India. In the event of any dispute/ litigation between the agency with whom the work is entrusted and the AMH SSC in respect of any of the conditions/provisions of this document or the agreement to be executed while awarding the work, the decision of CEO, AMH SSC, shall be final and binding on both the parties and any litigation arising out of this document/agreement shall be subject to the jurisdiction of Delhi Courts only.

NB: The bidders are advised to visit the site before offering their rates. The dimensions/ measurements given may vary.

LAYOUT PLAN -ASD-1



LAYOUT PLAN

CLIENT:
NSDC CoE,
DELHI.

TOTAL AREA - 6112 SQ. FT (EXCL. STEPS AREA ALONE)
 TOTAL WORKING AREA - 5830 SQ. FT (EXCL. STEPS & TOILET AREA)
 TOTAL MACHINES (AS PER PO) - 49 NOS.
 TOTAL MACHINES PLANNED - 40 NOS. (DUE TO SPACE CONSTRAINTS)
 AUTO SPREADER & CUTTER - 1 SET

DIMENSION
MM

DATE
20-APRIL-18

CIVIL (A)						
S.No	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT	REMARK
(A)	CEMENT PLASTER					
A						
1.1	Providing and rendering 15 mm thick cement plastering on surfaces in two layers consisting of 4 mm thick sand faced plaster in cement mortar 1:4 (1 cement :4 fine sand) top coat mixed with integral water proofing compound and specified fibers over a base coat of 10 mm thick rendering in cement mortar 1:4 (1 cement :4 coarse sand), forming key to receive the finishing coat including necessary scaffolding and curing etc.complete at all heights.	SQFT	Rate Only			
2.4	BRICK WORK : 4.5" BRICKWORK IN HALFBRICK MASONARY RED BRICKS CLASS DES. 7.5 in 1:4 cement mortar	SQFT	Rate Only			
	TOTAL PLASTER SUMMARY					

CARPENTRY (I)

S.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	WOODEN GLASS PARTATION : P & F of laminated wooden glass Partation with 8mm thk. Tuffan glass.	SQFT	360		-
2	WOODEN DOORS : P & F 35 mm thk. Wooden Laminated Door with Complete Hardware of cylinder Lock, Handle, Conclcd Door Closer, Stopper etc. Ozone/ Doorset, with 80x50mm thk wooden door frame DOOR SIZE upto (1000 X 2100)	NO	11		-
3	WOODEN PANELLING : P & F Wooden Wall Pannaling made of 2"x2" wooden frame with 9mm thk ply. Finish with approved shade of laminate.	SQFT	150		-
4	RECEPTION BACK WALL (10'8" X 9'6")	SQFT	103		-
5	DISPLAY & STORAGE : P & F of Full ht. Laminated Display Storage Unit 400 to 500 deep with 6mm thk. tuffan glass shutters	SQFT	720		-
6	CUBBOARD STORAGE : P & F of Full/Mediam/Low ht./overhead Laminted Storage finish with approved shade of laminate.	SQFT	329		-
7	P & F of Heavy Duty Sloated Angle Racking System 600mm deep. of approved Brand (For Fabric Storage)	SQFT	860		-
7	P & F of Heavy Duty Sloated Angle Racking System 1550mm deep. of approved Brand (For Fabric Storage)	SQFT	200		-
8	Supply & Installation of 2440x1200mmx1200mm Cutting, & Finishing Table with MS Basket below the table.	NO	2		-
8	Supply & Installation of 2700x1000mmx1200mm Table with MS Basket below the table.	NO	1		-
	TOTAL (D)				-

CEILING,PARTITIONS,WALLS & FINISHES (J)

S.No	DESCRIPTION	MAKE	UNIT	QTY	RATE	AMOUNT
(A)	CEILING					
1	<p>GYPSUM BOARD CEILING : Providing and fixing suspended type gyp board plain false ceiling firmly fixed on GI framework section all similar to specification of CIB Steels as detailed below:ii) Perimeter channel (MF6A) 20mm x 27mm all along the wall fixed with the help of nylon selvees and screws @ 600 mm c/c. ii) Intermediate channel (MF7) 15mm x 45mm x 0.9mm at 1200mm c/c. iii) Ceiling angle 25mm x 10mm x 0.55mm thick fixed to soft with GI cleat and steel expansion anchor fasteners. iv) Ceiling channel (MF5) 80mm x 26mm x 0.5mm @ 450mm c/c. v) 12mm thick plain Gypsum board is fixed to the ceiling section with 25mm drywall screws @ 230mm c/c. finally boards are to joined and finished so as to have flush look and leveling the board so as to be in one single plane which includes filling and finishing the board edges with jointing compound, paper tape. complete as per Design.</p>	Gyproc (Board Only)	SQFT	1200		-
2	<p>MODULAR GRID CEILING - Providing & Fixing of 600 x 600mm Mineral Fiber, Suspended Ceiling System : Fine fissured (RH - 99) micro look. INSTALLATION:To comprise main runner spaced at 1200mm centres securely fixed to the structural soffit by approved hangers at 1200mm maximum centre & not more than 150mm from spliced joints. The last hanger at the end of each main runner should not be greater than 600mm from the adjacent wall. 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600 x 600mm module to be formed by fitting 600mm long cross tees centrally between the 1200 mm cross tees. The 1200mm cross tees to have central "birdsmouth" notches to facilitate fitting of 600mm cross tees. Wall angles in white colour to be secured to walls at 450 mm maximum centres. Location: Office areas</p>	AMF/ ArmStrong	SQFT	600		-

B PARTITIONS AND WALL						
1	FULL HEIGHT GYPSUM PARTITION (75MM THICK) :- GYPSUM BOARD PARTITION-P/F 75mm thick gypsum board partitions ,consisting Two layer of tapered edge 12.5mm thick,1200mm wide gypsum plaster board (conforming to IS 2095 - 1982) on both sides of GI stud (CIB Steel), screws fixed with dry wall screws of 25mm at 300 mm centres with joints scattered, 48mm metal studs to be (0.5 mm thk. having one knurled flange of 34 mm and with joints scattered and another knurled flange of 36mm fabricated from G.I. sheets) placed in 50mm floor and ceiling channels @ 600 mm centres, floor channel fixed to concrete soleplate, and ceiling channel fixed to concrete soffit by nylon raw/ plugs @600 mm c/c, p/fixing of edge beads, corner protection angle bead, p/f kail wood frames for door frame / storages/cutting for electrical boxes etc. complete.	Gyproc (Board Only)	SQFT	3936		-
1	FULL HEIGHT ALEMINIUM PARTITION (75MM THICK) :- P & f of 18g Heavy Duty Alum Partation lower side covered with 12mm thk prelaminated Board & above 1200mm ht. Fixed with 6mm th. Tuff glass. Including Door shutters.	Jindal	Rate only			-
2	ALEMINIUM DOORS : P & F 18G HEAVY DUTY Alum. Door with Door Frame including 12mm Prelaminated Board & 6mm thk. Tuff Glass complete with all fitting and hardware. Door size 1000/1200x 2400mm	NO	Rate only			
(C) FINISHES						
1	POP PUNNING ON WALLS Providing and rendering 10 mm thick Pop plastering on all walls surfaces in two layers consisting of plaster of paris with water ,forming key to receive the finishing coat including necessary scaffolding and curing etc. Complete at all heights till false ceiling.		SQFT	300		-
2	Plastic emulsion paint on walls and gypboard ceiling including surface preparation, primer coats, leveling patti and minimum 3 coats of brush and roller finish.	ICI Delux/ Asian / Berger / Nerolac	SQFT	14000		-

3	Texture paint :-providing and applying texture paint on wall of approved brand and manufacturer after scrapping, having the existing finish and applying primer coat. (Basic rate of Texure paint Rs. 40/- per Sq.ft)	ICI Delux/ Asian / Berger / Nerolac	SQFT	0		-
4	Accent colour paint : Providing and applying Accent colour paint on wall and ceiling as approved by the architect, including all grooves etc. complete as directed. Rs. 50/- per Sq.ft)	ICI Delux/ Asian / Berger / Nerolac	SQFT	0		-
5	DUCO paint : Duco paint on MDF panels as approved by the architect, including all hardware, grooves etc. complete as directed.	ICI Delux/ Asian / Berger / Nerolac	SQFT	0		-
6	P & F of Vinayl Digital Print.		SQFT	300		
7	P & F of Frosted Glass Film		SQFT	200		
	Total FINISHES					-

CCTV & NETWORKING WIRING (H)						
S.no	Item	Features	Make	Unit	Rate	Amount
1	Dome/Bullet camera (In Door)	CP-Plus 1.3MP HDCVI IR Camera, IR With 3.6mm Fixed Lens, 1/3" Day/Night Vision (Range upto 10-15 Meter)	CP PLUS	24		-
2	Digitle video recoder (Full HD 1080p)	*32 Port CP-Plus DVR *Resolution 1080p * 4SATA Port. 2USB, 1RJ45 *HDMI/VGA video output *Mobole software: icmob,gcmob,wcmob *CMS Software · KVMS KVMSpro	CP PLUS	1		-
3	Power supply (ERD)	Power Supply For 32 Camera	CP PLUS	1		-
4	Conneters	BNC/DC(per camera 3pec)		72		-
5	Hard disk	4tb (surveillance wd)	SEAGATE	1		-
6	CCTV wiring	Wire (3+1 solid copper)	CP PLUS	529		-
7	Installation	Camra & DVR		24		-
8	Networking wiring	CAT 6 per mtr	D LINK/FINOLEX	900		-
9	EPABX	Panasonic KXTES824BX Epabx System, Equipped With 06Trunk Line+24 Analog Extn, Party conference, Call waiting, Call forwarding with all latest features and many more.(Expandable unto8*24)		1		-
10	Caller-ID	Panasonic Caller-Id Card For System		1		-
11	Operating Console	Panasonic Digital Phone/Operating Console, Model No. KXT-7730X		1		-
12	MDF Box	MDF Box 50 Pair With Krown Module & Krown Strip With All Connectors & Cables		1		-
13	Installation	Installation & Commissioning Charges		1		-
		CARRIED TO SUMMARY				-

FIRE FIGHTING SYSTEM (C)					
S.No	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT
A	Fire Alarm And Detection System				
8	Providing & Fixing of fire alarm control panel fabricated from 16 SWG CRCA sheet toaccommodate for zones as required I/C testing ofeach circuit separately for resetting complete withpainting as required as per the specification 04 ZONES				
	Make :- AGNI / Agni Suraksha(ASES) / APS	Each	1		Rs. -
5	Providing & Fixing of manual call box 16 gauge insuitable enclosure with arrangements to raise thealarm when the glass in manually broken complete				
	Make :- Agni Devise / ASES	Each	4		Rs. -
6	Providing & Fixing of electronic hooter suitable for mounting complete as required including				
	Make :- Agni Devise / ASES	Each	4		Rs. -
7	Providing & Fixing of Smoke Detector suitable for mounting complete as required including				
	Make :- Apollo / System Sensor/Agni	Each	30		Rs. -
9	Providing and fixing copper armored cables 1.1 KVA grade including necessary support clamps at ceiling level and connection legs complete in all respects.				
	Make :- Finolex / Polypack				
a	Control cable 2 core 1.5 Sq.mm	Metre	900		Rs. -

10	Providing and fixing Carbon-di-oxide fire extinguishers consisting of welded M.S.cylindrical body, extinguishers consisting of welded M.S.cylindrical body, extinguishers consisting of welded M.S.cylindrical body, tube, 30cms long high pressure discharge hose,discharge nozzle, suspension bracket,confirming to IS : 934 finished externally with red enamel paint and fixed to wall with brackets with rawl plug/dash fasteners complete with internal charge.(I.S.I. Marked)				
	Make :- Spectra fire / Safeguard / Greatex				
a	Capacity-4.5 kg.	Each	4		Rs. -
11	Providing and fixing ABC type dry powder extinguisher as per New IS :15686 consisting of welded MS cylindercal body ,with discharge valve, nozzle hanging arrangement complete .				
	Make :- Spectra fire / Safeguard / Greatex				
	Capacity - 4 Kg	Each	4		Rs. -
12	Providing and fixing led light type exit signage.	Each	4		Rs. -
	Total				Rs. -

ELECTRICALS (G)					
S. No.	Description	Unit	Qty.	Rate	Amount
(A)	POINT WIRING				
	POINT WIRING : Point wiring rates are inclusive of 2x2.5 +1x1.5 sq mm FR PVC insulated stranded copper conductor wires for circuit and 1.5 sq mm FR FR PVC insulated copper conductor insulated earth wire.				
1	Wiring for the following light/fan points with 3x1.5 Sq.mm FR PVC insulated stranded copper conductor wires in concealed FR PVC conduits in F.ceiling/walls/ceiling as directed including providing 6 amps flush type switches, 5 sided G.I Boxes for housing switches and earthing complete as required.				
a.	Light Point	Nos.	173		-
2	FAN Point	Nos.	50		-
7	Wiring for projector points with 2 x 2.5 + 1 x 1.0 sq mm FR PVC insulated stranded copper conductor wires in concealed FR PVC conduits in ceiling/walls/ Ceiling as directed including providing 16 amps flush type switch near the white board and 16 amps 5 pin socket near the projector in ceiling , 5 sided G.I. boxes for housing switches and 16 amps 3 pin socket outlet and earthing and complete as required.(including body earth for GI boxes) (1 point per circuits)	Nos.	6		-
9	Wiring for 10 amps power outlet points with 2 x2.5 sq.mm FR PVC insulated stranded copper conductor wires in concealed/recessed FR PVC conduit as directed including providing 16 amps flush type switch and 6 pin socket with cover plate 5 sided G.I. outlet boxes for switches and socket and earthing the third pin with 1.0 sq mm FR PVC stranded copper wire complete as required (Only one outlet shall be connected on each circuit) (including body earth for GI boxes)	Nos.	60		-

10	Wiring for 16 amps power outlet points with 2X4 sq.mm FR PVC insulated stranded copper conductor wires for the first power outlet and 4 sq.mm FR PVC insulated stranded copper conductor wires for the second outlet, in concealed FR PVC conduits in F.ceiling/ walls/Ceiling/floor ducts as directed including providing 16 amps flush type switch and 6 pin socket with cover plate, 5 sided G.I. outlet boxes for housing switches and socket, and earthing the third pin with 2.5 sq.mm FR PVC insulated copper conductor wires complete as required (Two power outlets shall be connected on each circuit)(including body earth for GI boxes)	Nos.	24		-
10	Wiring for 40 amps three phase power outlet points with 3X10 sq.mm FR PVC insulated stranded copper conductor wires power outlet and 10 sq.mm FR PVC insulated stranded copper conductor wires for the second outlet, in concealed FR PVC conduits in F.ceiling/ walls/Ceiling/floor ducts as directed including providing 40 amps TPN MCB G.I. outlet boxes for housing FR PVC insulated copper conductor wires complete as required (Two power outlets shall be connected on each circuit)(including body earth for GI boxes)	Nos.	6		-
13	Wiring for UPS/Raw plug outlets points with three core, 2.5 sqmm FR PVC Insulated and PVC sheathed flexible cable with bright annealed electrolytic copper conductor , 1100 volt grade conforming to IS : 694/1990 with latest amendments, in existing Channels/ conduit in ceiling/walls/floor including all cable termination accessories) Earthing of GI Box to be included	RM	450		
14	Wiring for UPS plug outlets points with three core, 10.0 sqmm FR PVC Insulated and PVC sheathed flexible cable with bright annealed electrolytic copper conductor , 1100 volt grade conforming to IS : 694/1990 with latest amendments, in existing Channels/ conduit in ceiling/walls/floor including all cable termination accessories)	RM	200		
11	Wiring for A/C outlet points with 2X4.0 sq mm FR PVC insulated stranded copper conductor wires in FR PVC conduit/wall/floor ducts as directed including providing 25 A socket with 25 amps SP MCB (Tiny Trip) 5 sided GI Outlet Box for housing and socket and MCB and earthing with 2.5 sq. mm FR PVC insulated stranded Copper Conductor wires complete as required.	RM	310		
	The word RAW shall be engraved on all RAW sockets				

a.	3 pin 16/20 A 1 phase industrial socket with plug top	Nos.	60		-
b.	3 pin 32 A 1 phase industrial socket with plug top IP65	Nos.	6		-
c.	3 pin 20 A 1 phase industrial socket with interlocking switch and plug top	Nos.	20		-
25	Providing and fixing in position the following FR PVC conduits including all accessories concealed in F. ceiling/wall/floor as required including 1.6 mm thick M.S. junction or pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia. G.I. pull wires in the length of conduit.				
a.	20 mm dia conduit (1.6 mm thick)	RM	200		-
b.	25 mm dia conduit (1.6 mm thick)	RM	325		-
c.	32 mm dia conduit (2.0 mm thick)	RM	100		-
26	The Electrical Contractor shall provide sufficient temporary lighting for working in the Building total area 8661.8 sq. ft. divided in 1 floors and maintain the same till completion of the project.It shall include replacement of all fused/faulty lamps.It shall include providing 16 A plug sockets (industrial type with ON/OFF switch/MCB) on 4 sides walls one plug at every 3 meter distance. The Contractors will tap off supply from these plugs for his use. Halogen/tubelights to maintain a lighting level of 150 lux on the floor,.Each 15 A socket and each Light circuit shall be protected by suitable MCBs.Use three core PVC Insulated PVC sheathed copper conductor cables for wiring.The contractor shall salvage the complete wiring and take it back at the end of the project.	L.S.	1		-
(B)	CONDUITING FOR TELEPHONE , COMPUTER & CONDUITING AND WIRING FOR T.V. SYSTEM.				
1	Providing and fixing in position the following FR PVC conduits including all accessories concealed in F. ceiling (PVC conduit not to be installed above false ceiling)/wall/ floor as required including M.S. junction or pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia G.I. pull wires in the length of conduit.				
a.	20 mm dia conduit	RM	125		-
b.	25 mm dia conduit	RM	250		-
c.	32 mm dia conduit	RM	175		-
2	Providing and fixing in position the following PVC flexible G.I Wire reinforced conduits including all fixing accessories on to the modelur furniture				

a.	25 mm dia flexible conduit with end couplers	RM	150		-
3	Providing and fixing in position suitable 1.2 mm thick G.I./ PVC outlet box for RJ- 45 computer outlet with all fixing accessories as required.	Nos.	30		-
4	Supply and Laying including numbering / ferruling of wire (8 digit) and the continuity test for each cable of Cat 6 - Telephone / Data cable in existing G. I. Channel.	RM	600		-
5	Providing and fixing in position suitable 1.6 mm thick G.I. outlet box for 2 nos RJ - 45 for Data/ voice outlet including crimping with all fixing accessories as required.	Nos.	30		-
6	Providing and fixing in position suitable 1.6 mm thick G.I. outlet box with 1 no RJ - 45 for Data/ voice outlet including crimping with all fixing accessories as required.	Nos.	30		-
7	Supply and fixing of 1.6 mm thick G.I Box along with RG 11 TV Co axial socket with Cover Plate	Nos.	6		-
8	Supply drawing connecting testing and commissioning of TV Coaxial cable RG 6 in existing conduit	RM	200		-
(C)	SUPPLY & FIXING OF LIGHTING FIXTURES				
	Supplying ,fixing in position testing and commissioning of the following Lighting fixtures including lamps at site. . Use all Philips Trulite/Osram lumilux plus Eco lamps in Fluorescent lamp fittings. (4000 K) Use Osram CFL lamp - Dulux L Lumilux in all Flurosent lamp fixtures (4000 K) (Samples of all light fixtures to be submitted to the client for approval prior to procurement of fixtures)				
Note	All Light Fixture shall be with H.F. electronic ballast (THD less than 10% and P.F. 0.995)				
1	Proving & fixing of 1 x 24 watts, 3000K/4000k/6500k LED down light in Round/Square shape in 150mm dia Size 1200x150mm	Nos	40		-
2	Providing & fixing of 2x28 Watts 1200x200mm Light Fixture 6500K/4000k/3000k (standard make) Note: Philips/syska/havells charges extra	Nos	115		-
3	P & F of 15w Led Down Light Fixture 1500mm dia surface Mounted.	Nos	36		-
4	LED Strips for Cove Light in philips/havells/Wipro	Rmt	90		-
5	P & F of 56" dia Ceiling Fan	Nos	60		-
(D)	CABLES ,MAINS & SUBMAINS				

1	Supply and laying, effecting proper connections, testing & commissioning of the following sizes of 1.1 KV XLPE armoured/ unarmoured PVC insulated PVC sheathed aluminium/copper conductor cables conforming to IS : 1554 and IS 694 for Flexible copper cable Part I - 1976 with latest amendments laid over MS supports in existing RCC ducts/ laid in ground /laid on Cable Trays including clamping the cables to supports in an approved manner as required complete with all accessories. including heavy duty copper terminal crimping lugs, solder, insulation tape, approved sealing epoxy compound, double compression brass cable glands, effecting gland connections and effecting terminal connections to the equipment complete as required.				
d.	3.5 c x 185 sq.mm XLPE armoured aluminium conductor cable	RM	90		
e	3.5 c x 95 sq.mm XLPE armoured aluminium conductor cable	RM	40		
f.	3.5 c x 70 sq.mm XLPE armoured aluminium conductor cable	RM	Rate Only		
g.	3.5 c x 50 sq.mm XLPE armoured aluminium conductor cable	RM	Rate Only		
h.	4 c x 25 sq.mm XLPE armoured aluminium conductor cable	RM	60		
i	4 c x 16 sq.mm armoured copper cable for UPS, Light and power DB's	RM	25		
j	4 c x 10 sq.mm armoured copper cable	RM	Rate Only		
k	4 c x 6 sq.mm armoured copper cable for A.HU	RM	Rate Only		
l	4 c x 4 sq.mm armoured copper cable	RM	Rate Only		
m	3 c x 4 sq.mm armoured copper cable	RM	Rate Only		
n	2 c x 16 sq.mm PVC insulated unarmoured copper conductor cables	RM	Rate Only		
o	2 c x 10 sq.mm PVC insulated unarmoured copper conductor cables	RM	Rate Only		
(E)	(TRUNKING AND CABLE TRAYS				
1	Fabricating supplying to site of installation, installation on ceiling/ (Salamandre® standard and IP4X distribution trunking), totally enclosed, the joints between two lengths of channels or between channel and junction box shall be joined together with MS coupler plates to make it dust and water proof. The cost shall including all supporting and fixing accessories including dash fasteners. Make (Salamandre® standard and IP4X distribution trunking) LEGRAND Make				

a.	75 mm (wide) x 50 mm (height)	RM	90		-
b.	100 mm (wide) x 50 mm (height)	RM	95		-
d.	55 mm (wide) x 40 mm (height)	RM	45		-
4	Design manufacture , supply and fixing in position the cable trays of the following sizes for supporting 1.1 KV grade armoured/unarmoured aluminium /copper conductor cables. Fabricate the cable trays from perforated 1.6/2mm thick M.S. CRCA sheet duly galvanised with expansion coupler plates duly galvanised, with bolts, washer and nuts. Knock out holes for cable connections as per approved design. The tray should comply with the specification of NEC (National Electric Codes) and NEMA (National Electric Manufacturers Association). The steel should be as per IS:226 and galvanising as per IS : 2629/BS 729/ASTM 123. The rate shall also include for supporting steel , fish plates , fixing accessories , nuts bolts, supporting down rods , dash fastener, cutting the RCC etc. complete as required. (the horizontal and vertical bends, T's should be factory fabricated and the rate should include for the same)				
a.	150 mm wide x 40 mm x 1.6 mm thk	RM	60		-
b.	300 mm wide x 40 mm x 2.0 mm thk	RM	100		-
(F)	DISTRIBUTION BOARDS				
	(NOTE: ACTUAL COMPONENTS MAY VARY AFTER FINAL DRAWINGS)				
1	Supply,inginstalling ,connecting testing and commissioning of the following double door 1/4 rows vertical type 1.6 mm thick and 1.4 mm thick door sheet steel enclosed fully recessed type, TPN Miniature Circuit Breakers Distribution Boards dust proof, verm-in proof, with hinged and lockable doors complete with DP MCB's and inter-connection with copper wires, or copper tapes, cable glands-/conduit entry bushes, bonding to earth and painting. Also provide separate neutral busbar for each phase. Provide separate Earth Links. Use brass thimbles for connections of all wires. 1 row for single phase and 4 rows for 3 phase. Provide separate 4 way 63 A main neutral link also.				
1	Light & Power Distribution Board				
a	12+2 Way TPN DB, each phase consisting of 10 Nos. 10/20 AMP SP MCB's and controlled by one number 100 mA sensitivity 63 AMPS DP RCCB backed up with 1 no 63 Amps 4 pole MCB.	Nos..	2		-

b	12+2 Way TPN DB, each phase consisting of 10 Nos. 10/20 AMP SP MCB's and controlled by one number 63 AMPS DP MCB for each phase and 1 no. 63 amps 4 pole MCB incomer	Nos..	2		-
c	Supply, installation, testing and commissioning of sheet metal enclosed 150KWA Electrical Penal With Bus Bar, Cable ally, AMF Penal for Genset, 150amp Incommer MCCB, and 6 no. of 40 to 100 amp. Outgoing MCCB, and 6 no. TPN of 32 to 63 amp. Complete including termination of all cables.	Nos.	1		-
	SUB TOTAL A+B+C+D+E+F				-

FURNITURE (K)					
S. No.	Description	Unit	Qty.	Rate	Amount
(A)	OFFICE FURNITURTE				
1	WORK STATIONS				
1	Workstation 5' x 2' x 2'-6" high	Nos.	4		-
	PARTITION - 50MM TO 60MM THK. PANEL BASED SYSTEM WITH Coloured lacured glass				-
	TABLE TOP : 25MM THK TABLE TOP WITH PVC EDGE BANDING				-
	PEDESTAL UNIT : 1DRAWER+1FILING UNIT ON CASTOR, SIZE 400 X 470 X 525MM		4		-
2	CUBICALS				
1	Workstation 5' x 5' x 2'-6" high	Nos.	6		-
	PARTITION - 50MM TO 60MM THK. PANEL BASED SYSTEM WITH Coloured lacured glass				-
	TABLE TOP : 25MM THK TABLE TOP WITH PVC EDGE BANDING				-
	PEDESTAL UNIT : 1DRAWER+1FILING UNIT ON CASTOR, SIZE 400 X 470 X 525MM		6		-
3	CHAIRS				
a	STAFF CHAIR BSP@ 4000/-		13		-
b	CABIN CHAIR@ BSP@ 9000/- Each		4		-
(B)	LOOSE FURNITURE				
1	RECEPTION				
a	RECEPTION COUNTER Size 2000x600x750mm Made of 18mm Thk. Commercail Ply Wood & Finish with approved Laminate, as per design.		1		-
b	3 SEATER SOFA BSP@ 18000/- each		1		-
c	2 SEATER SOFA BSP@ 15000/- each		1		-
d	CENTER TABLE BSP@ 9000/- each		1		-
e	SIDE TABLE BSP @ 4500/- each		2		-
2	PRINCIPAL AREA				

a	TABLE WITH SIDE TABLE : Size 2100x900mm Made of 18mm Thk. Pre Laminate/Commercail Ply Wood & Finish with approved shade of Lamianta as per design.		1		-
2	CAFETERIA				
a	LUNCH TABLE Size 9'x4' made of 18mm thk Laminate finish with approved shade of laminate. including all ness. Support & fitting. Round/		6		-
b	LUNCH CHAIR BSP @ 2600/-		24		-
					-
6	COMPUTER TABLE				-
	750X600X750MM		5		-
	1200X600X750MM		1		-
					-
7	LAB/CLASS ROOM CAHIR WITH WRITING PAD		24		-
	Model no. GST 807 (Geeken) BSP@ 4000/-				-
8	MASTER CHAIR BSP Mediam Height		6		-
	Model no. GC 9006 (Geeken) BSP@ 6000/-				-
	(B) CARRIED TO SUMMARY				-

AIR CONDITIONING (D)							
S. No.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT	Quantity	Amount
A	AIR WASHER						
	Supply, Installation, Testing and commissioning of Air-Washers having double skin housing inner panel 0.6 GI plain sheet and outer panel shall be 0.6 mm precoated GI with 25 mm PUF 40 kg/cuM, with stainless steel tank made out of 18 G stainless steel, forward curved DIDW Centrifugal blowers(AMCA certified), complete with TEFC Sq. cage induction motor IP-55, IE-2, Monoblock pumpset for water circulation, G.I B class/PVC piping, Aluminium metallic filters in G.I frame, 200 mm. thick Cellulose pads of imported origin complete as per specifications. Fire proof double layered canvass cloth connection for outlet complete with flanges made out of 20G G.S.S sheet on both sides for connection to air washer and duct complete with nuts, bolts etc. as per specification. The air washer shall be complete with water inlet, drain & overflow connections with valves and vibration isolation arrangement.						
	Capacity Static Pressure						
i	9000cfm 40mm WG	Nos.	2		0		
B	Fresh Air Duct Work (AIR WASHER)						
1	Supply, Installation, Testing Balancing & Commissioning of the following items as per approved working drawings, specifications and requirement						
	G.S.S Round/rectangular factory fabricated ducting complete with gaskets, elbows, splitters, vanes, supports etc. as per drawings and as required for air distribution.						
a)	24 G	SqM	75		0		
b)	22 G	SqM	50		0		
c)	20 G	SqM	25		0		
2	SUPPLY AIR GRILLE						

	Supply, installation, testing and balancing of Supply Air Rectangular Grilles with volume control damper, with frame made out of powder coated extruded aluminium sections complete with wooden frame, gasket screws, etc. as specified.	SqM	2		0	
3	DUCT VCD					
	Supply, fabrication, installation and testing of opposed blade G.I. construction Box type duct volume control damper complete with nuts bolts, screws, linkage, flanges etc. ducts lever and quadrants for proper balancing of the air distribution system as per specifications and drawings.	SqM	1		0	
4	DUCT INSULATION					
	Supply , installation , testing and commissioning of external thermal insulation on ducts with Closed Cell Cross Linked Polythylene (XLPE) Al. Foil Faced Foam of density 33 Kg/m ³ with 12 mm thermal Conductivity not exceeding 0.035 W/mK at an average Temperature of 40°C. The Material Shall be rated as Class 1, As per BS476 Part 7 , The Smoke Density as per AS - 1530.3 Shall not exceed 1. The Material shall have Fire Approval from Govt of India Lab & no toxicity under flaming and non- flaming condition as per AITM 3.000 (1993) . Adhesive used for setting the insulation shall be non - flammable, Vapour Proof (SRX-PRES-PIDILITE). All Joints should be sealed with 3 mm thick 50 mm wide PE tape and Flange to be overlapped by 6" width of the same material thickness. Finally insulated duct shall be strapped by 12 mm Plastic Packing strip at every random meter and conforming to Specification					
i	6mm thick	SqM	150		0	
C	ELECTRICAL WORK (AIR WASHER)					

1	Supply, Installation, Testing and commissioning of Starter Panels near the scrubber constructed out of 2mm thick CRCA sheet duly powder coated as per specifications. The panel shall have hinged door with on-off interlocks. The panel shall be complete with incoming MCCB/MCB, suitable bus bars of aluminum construction, bus links complete with direct online starter/Star-delta starter with 'hands', "off", automatic mode selection switch, ammeter for each motor, timer, Auto Manual switch, remote start/stop contacts, potential free contacts for switch off Air Washer in case of fire, earthing connector etc., as required complete as per specifications. The panel shall be suitable for outside installation.						
	Air Washer panel shall have the following:						
	Indicating lights LED for incommer and outgoing						
	Ammeter with selector switch						
	Volt meter with selector switch with fuse						
	Panel With following Capacities:						
	For 9000 CFM Air Washer						
	<u>Incoming/Outgoing</u>						
i	32 Amp 10 kA TP MCB complete with Direct On Line- 1 x 5.5 kW suitable for connections 1x3Cx10 sq.mm XLPE cable & feeder with 10 Amp MCB & starter for pump.	No.	1			0	
2	Supplying, laying, effecting proper connec-tions, testing & commissioning of the following sizes of 1.1 KV -Cross Linked Poly Ethelene armoured aluminium conductor cables conforming to relevant latest amended Indian Standards laid over MS supports & Cable Trays duly painted including clamping the cables to supports in an approved manner as required complete with all accessories.						
i	3C x 10 sq.mm	RM	50			0	
ii	Supplying, laying, effecting proper connections, testing & commissioning of the Copper Flexible Cable 3x2.5 Sqmm complete with fixing arrangment etc all complete as required.	RM	50			0	

3	Supplying, laying, effecting proper connections, testing & commissioning of following sizes of GI earthing Strip/Wires including fixing clamps and effecting proper connections to equipment etc. complete as required.						
a	10 SWG G.I. Wire	RM	50			0	
D	CABINET TYPE EXHAUST FAN						
	Supply, installation, testing, and commissioning of Double skin casing construction of 0.6 mm thick GI plain sheet inner and outer panel Precoated with 25mm thk Puf insulation 40 kg/cum density, exhaust air fans comprising of DIDW Centrifugal Blower Class I construction complete with TEFC sq. cage induction motor, IP-55 protection IE-2, mounting frame work to mount fan & motor, V- belts, pulleys, belt guard, all complete as required . The motor shall be suitable for 3 phase, 415 volts, 50 Hz supply. The unit shall be complete with vibration isolators.						
	Capacity Static Pressure						
i	4000cfm 30 mm WG	Nos	3			0	
E	Duct Work (EXHAUST FAN)						
1	Supply, Installation, Testing Balancing & Commissioning of the following items as per approved working drawings, specifications and requirement						
	G.S.S square/ rectangular site fabricated ducting complete with gaskets, elbows, splitters, vanes, supports etc. as per drawings and as required for air distribution.						
a)	24 G	SqM	110			0	
b)	22 G	SqM	65			0	
2	EXHAUST AIR GRILLE						
	Supply, installation, testing and balancing of Exhaust Air Rectangular Grilles with volume control damper, with frame made out of powder coated extruded aluminium sections complete with frame, gasket screws, etc. as specified.	SqM	3.4			0	
3	DUCT INSULATION						

	Supply , installation , testing and commissioning of external thermal insulation on ducts with Closed Cell Cross Linked Polyethylene (XLPE) Al. Foil Faced Foam of density 33 Kg/m ³ with 12 mm thermal Conductivity not exceeding 0.035 W/mK at an average Temperature of 40°C. The Material Shall be rated as Class 1, As per BS476 Part 7 , The Smoke Density as per AS - 1530.3 Shall not exceed 1. The Material shall have Fire Approval from Govt of India Lab & no toxicity under flaming and non- flaming condition as per AITM 3.000 (1993) . Adhesive used for setting the insulation shall be non - flammable, Vapour Proof (SRX-PRES-PIDILITE). All Joints should be sealed with 3 mm thick 50 mm wide PE tape and Flange to be overlapped by 6" width of the same material thickness. Finally insulated duct shall be strapped by 12 mm Plastic Packing strip at every random meter and conforming to Specification						
i	12mm thick	SqM	90			0	
C	ELECTRICAL WORK (Exhaust Fan)						
1	Supply, Installation, Testing and commissioning of Starter Panels near the airwasher constructed out of 2mm thick CRCA sheet duly powder coated as per specifications. The panel shall have hinged door with on-off interlocks. The panel shall be complete with incoming MCCB/MCB, suitable bus bars of aluminum construction, bus links complete with direct online starter/Star-delta starter with 'hands', "off", automatic mode selection switch, ammeter for each motor, timer, Auto Manual switch, remote start/stop contacts, earthing connector etc., as required complete as per specifications. The panel shall be suitable for outside installation.						
	Exhasut Fan panel shall have the following:						
	Indicating lights LED for incommer and outgoing						
	Ammeter with selector switch						
	Volt meter with selector switch with fuse						
	Panel With following Capacities:						
	For 6200 CFM Exhaust Fan						
	Incoming/Outgoing						

i	32 Amp MCB TPN 10 kA complete with DOL STARTER- 1 x 3.7 kW suitable for connections 3Cx10 sq.mm XLPE cable.	No	1		0	
2	Supplying, laying, effecting proper connections, testing & commissioning of the following sizes of 1.1 KV -Cross Linked Poly Ethelene armoured aluminium conductor cables conforming to relevant latest amended Indian Standards laid over MS supports & Cable Trays duly painted including clamping the cables to supports in an approved manner as required complete with all accessories.					
i	3C x 10 sq.mm	RM	45		0	
3	Supplying, laying, effecting proper connections, testing & commissioning of following sizes of GI earthing Strip/Wires including fixing clamps and effecting proper connections to equipment etc. complete as required.					
a	10 SWG G.I. Wire	RM	45		0	
F	Ceiling Mounted Cassette Air Conditioner					
1	Supply, Installation, Testing and Commissioning of the following equipment as per tender drawings, and specifications. (For office & Class Room)					
a	Daiken 2.8ton Cassette Type 3* Rating	no.	2			
b	Copper flexible connection complete with set of brass ball valves, one valve with and one valve without strainer.	rmt	60			
c	Installation charges	no.	2			
d	25mm PVC Dran Pipe with Insulation	mtr	40			
G	TOILET EXHAUST FAN					
1	Supply, Installation, Testing and commissioning of Rectangular/Circular type Exhaust air fan 20G GSS comprising of centrifugal fans complete with direct driven induction motor, metal clad MCB & starter 15 m length cable, earthing, all compete as required, suitable for single phase, 230 volts, 50Hz AC. supply of following capacity:					
i	1000 cfm SP-25mm	Nos.	1			
TOTAL					0	

INTERIM LAYOUT PLAN_OPTION 1

