



KOLKATA REGION

TENDER DOCUMENT (FINANCIAL BID) PART - 2

FOR

**REFURBISHING WORK (INTERIOR FURNISHING, ELECTRICAL,
BRANDING & AIR CONDITIONING WORKS IN COMPOSITE)**

OF

KOLKATA REGIONAL OFFICE

NAME OF THE TENDERER :

CONTACT NO. : E-MAIL ID :

ADDRESS OF THE TENDERER :

LAST DATE OF SUBMISSION OF TENDER : **1.10.2021 UPTO 4.00 PM**

DATE OF OPENING OF THE TENDER : **Part I : 4.10.2021 AT 2.30 PM**

PLACE OF SUBMISSION OF TENDER :

OFFICE OF
THE REGIONAL MANAGER,
STOCK HOLDING CORPORATION OF INDIA LTD.
KOLKATA REGIONAL OFFICE
A. G. Tower, 6th Floor,
125/1, Park Street. Kolkata – 700 017

CONSULTANT
SUDIP SUR & ASSOCIATES
14/2, Kali kumar Mukherjee Lane,
Shibpur, Howrah - 711102
Mobile. 98300 17895

CONTENTS

SL NO.	SECTION NO.	DESCRIPTION
1	I	Summary
2	II	Bid for Furnishing work
3	III	Bid for Electrical work
4	IV	Bid for Branding work
5	V	Bid for AC work
6	VI	Drawings

SECTION – I

STOCK HOLDING CORP. OF INDIA LIMITED # REGIONAL OFFICE, KOLKATA SUMMARY OF BID FOR INTERIOR FURNISHING, ELECTRICAL, BRANDING & AC WORKS

SUMMARY OF BID AMOUNT

1	FURNISHING WORK	= Rs.
2	ELECTRICAL WORK	= Rs.
3	BRANDING WORK	= Rs.
4	AC WORK	= Rs.

TOTAL	= Rs.
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Less : Discount (if any)	= Rs.
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NET TOTAL	= Rs.
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Add : GST	= Rs.
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GRAND TOTAL (incl. GST)	= Rs.
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SECTION – II

STOCK HOLDING CORP. OF INDIA LIMITED # REGIONAL OFFICE, KOLKATA

B O Q FOR INTERIOR FURNISHING WORKS

SI No.	Description Of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	<p>Providing and fixing in position full height solid partition 65 mm thk. as indicated in the drawing excluding the door made out of aluminium hollow sections of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL make as internal framed structure placed horizontally & vertically in 550 mm x 550 mm / 600mm x 600 mm center to center or as directed by the Architect. The alternate corner vertical members of the partition shall be taken upto the ceiling level (payment shall be made for the partition measured below the false ceiling level) and the same shall be anchored to the ceiling securely with help of suitable cleats. Framework shall be fixed with 6 mm thick marine grade ply (IS - 710) of approved make on both sides finished as per following specifications. The Partition shall be finished with 1.0 mm thick laminate of approved shade and make or equivalent on both the sides. Rate shall be inclusive of provision of pencil groove as directed by the Architect. Height of the partitions upto soffit of false ceiling / laminate finish top shall be considered for payment. Alternate, corner vertical members of the partition shall be fixed with necessary brackets /supports at RCC levels. The framework above the false ceiling shall not be considered for payment. The item does not include the doors.</p>	2577.58	sq. ft.		

2	<p>Providing and fixing in position full height glazed partition 65 mm thk. solid upto 900 mm. & glazed upto 2100 mm. lev. with 6 mm. thk. non toughened clear float glass of approved quality with frosted film design including company logo and pattern as indicated in the drawing excluding the door made out of aluminium hollow sections of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL make as internal framed structure placed horizontally & vertically in 600mm x 600 mm centre to centre or as directed by the Architect. The alternate corner vertical members of the partition shall be taken upto the ceiling level (payment shall be made for the partition measured below the false ceiling level) and the same shall be anchored to the ceiling securely with help of suitable cleats. Framework shall be fixed with 6 mm thick marine grade ply (IS - 710) of approved make on both sides finished as per following specifications. The Partition shall be finished with 1.0 mm thick laminate of approved shade and make or equivalent on both the sides. Rate shall be inclusive of provision of pencil groove as directed by the Architect. Height of the partitions upto soffit of false ceiling / laminate finish top shall be considered for payment. Alternate, corner vertical members of the partition shall be fixed with necessary brackets /supports at RCC levels. The framework above the false ceiling shall not be considered for payment. The item does not include the doors.</p>	260.85	sq. ft.		
3	<p>Providing & Fixing double skin low ht. partition (1200 mm. high) with electrical wire management system, 900 mm. solid, then 300 mm. partly glazed (as per drawing), made out of aluminium hollow sections of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL make as internal framed structure spaced not more than 600 mm. c/c bothways, double skin partition fixed to aluminium frame made of 6 mm. thk. approved marine grade ply (IS:710), finished both side with approved laminate with 1.5 mm. groove design, 4" high laminated skirting etc., the vertical support of 50 x 50 mm. frame to be extended upto 1200 mm., side & top faces to be covered with 65 x 15 mm. CP teak wood moulding bead (curved at top) with 6 mm. x 6 mm. polished groove. 300 mm. high x 10 mm. thk. glass to be fixed to partition with 30 x 12 mm. teak wooden bead with 6 mm. groove, all exposed teak wood surface to be completed with natural colour high polishing etc. all complete as per design, direction and approval of the Architect.</p>	878.86	sq. ft.		

4	Providing and fixing Solid Core Flush Door Shutter (IS - 2202) of 35 mm thk. finished both side with 1 mm thk. approved colour laminate (IS : 2046) with 1.5 mm. groove design to be fixed to 65 x 75 mm. Wooden frame. One vision panel of size 6"x 10" made out of 6 mm thk. Clear glass with moulding with polished edge to be provided. The rate shall be inclusive of fitting and fixing of hinges, 1 no. Godrej make door closer, 1 no. CP finsh door stopper, screws, 1 no. Godrej cylindrical lock, tower bolt of approved make. All edges of the door to be covered with necessary lipping with polish finish. The work should be completed as per specification, design and approval of Architect.				
a	Shutter size : 900 mm. x 2100 mm. with 600 x 1050 mm. vision panel with frosted film design and company logo	126.00	sq. ft.		
b	Shutter size : 900 mm. x 2100 mm. with 150 x 250 mm. vision panel	168.00	sq. ft.		
5	Providing & Fixing frameless fully glazed 12 mm. clear Toughened Glass Door (in one / two shutter) with floor mounted pivoted door spring hinges (similar to Godrej D120) to shutters fitted with patch fittings & floors with plate & screws including cutting holes & mending good with cement mortar. Edge of glass to be polished as directed. The shutter will have frosted film design and company logo. Shutter to be fitted with 30 mm. dia. 100 mm. X 600 mm. long stainless pair of 'C' handles (both inside & outside) with all accessories complete as per design & direction.				
a	Shutter size : 900 mm. x 2100 mm. (one shutter) with 100 mm. x 600 mm. long 'C' handles	28.00	sq. ft.		
6	Providing and fixing full height storage cabinet 400 mm. depth & 2400 mm. high, made out of 19 mm. thk. marine grade plywood (IS - 710) of approved make including the fixing of intermediate (19 mm.) shelves at 400 mm to 450 c/c and the openable shutters shall be in 19 mm thick BWP block board and back covered with 6 mm marine grade plywood. The shutters shall be divided vertically into 2 parts and shall be fixed with "S" type L-hinges of approved make so as to get an equal 8 mm groove between all the shutters at the opening and hinged end of every shutter. The shutter shall be fixed with SS chain from inside so as to open the shutter less than 90 degree and to avoid the breaking of laminate at the hinged end. The shutters shall be finished externally with approved quality 1.0 mm thick laminate of equivalent make and all internal surface to be finished with polish / synthetic enamel paint. Rate shall be inclusive of provision of SS "D" type handles 4" or 6" as approved, Godrej locks with 3 keys, tower bolts off SS make etc. and all the necessary hardware, fixtures, fittings etc complete in all respects as directed by the Architect.	683.56	sq. ft.		

7	<p>Providing and fixing low height storage cabinet 400 mm depth and 900 mm high, made out of 19mm thick marine grade plywood (IS - 710) of approved make including the fixing of intermediate shelves at 400 mm to 425 mm c/c and the shutters shall be in 19 mm thick BWP block board and back covered with 6 mm marine grade plywood. The Top surface will be of 19 mm. thk marine grade plywood of approved make finished with 1 mm. thk. approved laminate. The shutters shall be fixed with S type “L” hinges of approved make so as to get an equal 8 mm groove between all the shutters at the opening and hinged end of every shutter as per the detailed drawing. Shutter shall be fixed with SS chain from inside so as to open the shutter less than 90 degree and to avoid the breaking of laminate at the hinged end. Shutter shall be finished externally with approved quality 1.0 mm thick. laminate of approved shade of frosty white as approved and make and all internal surface would be finished with 0.8 mm thick. balancing white laminate. Rate shall be inclusive of provision of SS “D”type handles 4” or 6” as approved, Godrej locks with 3 keys and all the necessary hardware, fixtures, fittings etc complete in all respects as directed by the Architect.</p>	878.86	sq. ft.		
8	<p>Providing and fixing vertical blinds of 100 mm wide (Mac/Annums/Vista) of approved shade and pattern having handrail made of high strength aluminium alloyed wall thickness of 1.2 mm thk handrail to have 25mm decorative insert. Control unit shall be of derlin. The runners are also to be a derlin with antiflexion adhesive. Spacers should be made of stainless steel. Fabric should be polyester viscoted/polyester yarn having protective coating with chemicals for stain resistance & soil repalancy. The rate shall include necessary scotch guard treatment on both sides. The overlapping should be uniform and adequate. Necessary operative arrangements frames to be provided. The work to be completed as per specification and approval of the Architect.</p>	307	sq. ft.		
9	<p>Providing and fixing soft board/ notice board fabricated out of 12mm BWR ply covered with 12mm soft board padding and upholstery propylene fabric @80/ mtr. Edges of the soft board should have white beach/white ceader moulding with natural polished. NB : where pin up board is in a panelled area, the top of the pin up board should be flushed with the panel, keeping the same level. The work should be completed as per design specification & approval of the architect.</p>	40	sq. ft.		

10	<p>Providing & erecting in position free standing table made of 19 mm. thk. BWP grade block board for sides, top & modesty panel, finished with 1 mm. thk. laminate of approved shade & make in outer faces. Inside of the table to be finished with synthetic enamel paint / polish as per matching tone. Drawer cum cabinet unit of approx. overall size of 400 x 600 x 725 mm. (h) of 19 mm. thk. block board. The drawer unit shall comprise of 1 drawer, 1 cabinet with inner faces polished / synthetic enamel painted with approved shade with telescopic drawer slides. the drawer unit shall be finished with 1 mm. laminate. The quoted price should include cost of teak wood moulding to edges, wood lipping, multi locks of Godrej make & other necessary hardware accessories including SS handles, pvc wire manager, keyboard tray, mobile CPU trolley, foot rest etc. of approved quality. All table should have a side credenza which shall be 900 mm. long., 400 mm. wide & 750 mm. high with intermediate 1 no. shelf of 19 mm. BB. The side credenza have sliding shutters of 12 mm. thk. ply with 1 mm. thk. laminate finish on visible side. Inside of the unit to be synthetic enamel painted / polished in matching tone. All the ply edges should be lipped & finished with prescribed shade of polish. The rate also include the cost of hardwares like hinges, tower bolts, handles, magnets, wire manager etc.</p>				
a	size : 1800 mm. x 900 mm. x 750 mm.(h) with 12 mm. thk. clear float glass on top of table with polished edge & including side credenza	2.00	unit		
b	size : 1500 mm. x 750 mm. x 750 mm.(h) including side credenza	9.00	unit		
c	size : 1200 mm. x 750 mm. x 750 mm.(h) without side credenza	48.00	unit		
11	<p>Providing and fixing 'L' shaped Reception Table of size 1500x750 + 900x450 mm, 1200 high in two tiers. The top tier to be in 12 mm thick clear toughened glass supported on 25 mm dia SS studs, fitted at top with SS mirror screw as per design. That glass will be curved towards bottom and fixed to the front surface of the table with SS studs and mirror screw. The overall size of the glass will be 900 x 1400 mm. including curvature. The main table at 750 mm. high to be in BWP block board 19 mm thick finished at top with 1 mm. thk. laminate with 1 No. of pedestal storage having 3 drawers, keyboard tray, CPU trolley and wire management system, all hardware of approved quality. The edge of the table to be extended upto 200 mm. above table top level with 40 mm. thk. ply and 1 mm. laminate finish. All inside surface to be finished with polish / synthetic enamel as per Architect's directions.</p>	1.00	unit		

12	<p>Providing and making Conference Table of over all size of top as 1800 mm. x 7200 mm. & 750 mm. high. It shall consist of 19 mm thk. marine grade ply (IS-710) top as per design finished with 4mm thk teak veneer with PU polish finish of approved shade and colour, supported on 6 nos of mullion boxes, as per design of size 900 x 300 mm. made of 19 mm thk. marine ply finished with 1mm thk laminate of approved shade. Mullion boxes are inter connected by 2 nos. boxing, 900 x 150 mm. on top (below table top) and 600 x 100 mm. at bottom (on floor level), finished in laminate of approved shade. The edge of the table top to be of 38 mm. thk.. Table top and its adjacent edges to be finished with teak wooden bead with PU polish finish or similar of approved shade and colour and other external surfaces with 1.0 mm thk laminate of approved shade. The table should have 4 nos. covered grey colour coated aluminium data grommet having adequate power and data sockets. The top surface of the grommet to be flushed with veneer top. The job to be completed as per direction of Architect.</p>	1	unit		
13	<p>Providing and fixing Gypsum false ceiling which includes G.I perimeter channels of size 0.55mm thk. (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/partition with the help of nylon sleeves and screws, at 610mm centres. Then suspending G.I intermediate channels of size 45mm (0.9mm thk. with two flanges of 15mm each) from the soffit at 1220mm centres with flanges of 26mm each with lips of 10.5 mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediated channel at 457mm centres. 12.5mm tapered edge Gypboard (confirming to IS: 2095 - 1982) is then screw fixed to ceiling section with 25mm drywall screws at 230mm centers. Screw fixing is to be done mechanically either with screw driver or drilling machine with suitable attachment. The boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compound. No extra payment will be made for the cutting of light points , stain glass, cove lighting etc. The measurement will be taken in one level, rate should include the drops also, no extra amount will be paid for the drops. The joints to be properly mended with paper tapes and gypsum compound. The surface to be finished with two coats of distemper paint of approved shade with two coats of good quality drywall primer all complete. The rate should include the full completion of the ceiling. At the time of handing over the site all necessary repairing work to be considered if required. The work to be completed as per specification, drawing and approval of the Architect. No Drop or design (if any) will be considered as extra measurement it will be considered flat ceiling.</p>	2402.85	sq. ft.		

14	Providing , fabricating and erecting lay in type tegular or drop type Modular False Ceiling (ARMSTRONG make) of 600 x 600 mm. grid. The rate shall include the additional cost of Tee and L supports and other accessories near the ends/ odd size edges/corners. Provide additional length support from the ceiling to the false ceiling grid wherever necessary, making necessary openings for electrical light fittings, alarm detectors and any other fixtures. No extra payment for making openings in the panel/grids for the purpose of light fittings. Item rate shall include all the taxes, transportation, erection, loading and unloading and any other incidental expenditure for completing the work.	2151.94	sq. ft.		
15	Providing and fixing at Wooden work for ceiling made by 6 mm thk marine grade ply (IS-710) to be finished in 4.0 mm thk. polished veneer of approved shade, fixed to suspended Gypsteel channels of appropriate size to hold the ceiling ply. The item is to be completed in all respects as per design & approval of the architect. The rate to be included for making necessary cut outs for light fittings, ac unit or other equipment.	200.00	sq. ft.		
16	Providing & fixing in position wall / column panelling consisting of 6.0 mm thk. marine grade ply IS:710 with aluminium hat furring channel 22-25 @ 500 mm. both direction. The face of the cladding is to be laminated with 1.0 mm. thk. laminate of approved shade & groove design. The ply surface of the groove is to be melamine polish finished of approved colour. The item is to be completed in all respects as per design & approval of the architect.	1231.94	sq. ft.		
17	Providing and fixing of wall paper of approve shade and pattern of Marshall /Excell/ WK make to wall/partition as per instruction with adhesive including all labour and material. This is to be pasted over POP / Putty surface with primer finish (cost of primer to be included in the rate). The item is to be completed in all respects as per design & approval of the architect. (basic cost of wall paper : Rs. 50.00/ s.ft.)	300.00	sq. ft.		
18	Providing & fixing in position wall panelling (Location : Conference room) consisting of 9.0 mm thk. Polyester fibre acoustic panel to be fixed over 6.0 mm thk. marine grade ply (IS:710) with aluminium hat furring channel 22-25 @ 500 mm. both direction. The side / edge of the elevated panels to be covered with approved wooden finish laminate 1.0 mm. thk. The item is to be completed in all respects as per design & approval of the architect.	195.30	sq. ft.		

19	Providing and fixing Main Panel Encasement in position fabricated out of marine grade ply (IS-710) with 1 mm laminate finished for top, both sides and front with necessary hardware including locks, hinges and handles. Encasement will be having louver and 6mm thk. Glass for seeing the indicator in both shutters. The exposed surface of 19mm block board will be finished with TW / white ceader lipping with natural polish and inside of the encasement shall be finished with enamel paint. The item is to be completed in all respect as per design, specification and approval of the Architect.	75.00	sq. ft.		
20	Providing & fixing Rolling Shutters Encasement fabricated out of 12 mm thk marine grade ply (IS-710) finished with 1.0mm thk laminate for top sides, front and bottom with necessary openable shutter at bottom, hardware including locks, hinges & handles. The job to be completed as per approval of architect.	120.00	sq. ft.		
21	Providing and fixing of Carpet Tile of approved make, shade and pattern and of the following specification: Loop pile carpet tile, of size 500 mm x 500 mm with Tufted 1/10" loop construction, 100% PA 6 ECONYL ® yarn having pile height of 3 mm and maximum total height of 6.6 mm with secondary backing of Back to Back modified bitumen, enhanced with a thermoplastic elastomer, reinforced with a glass fiber fleece covered with 100% PES fleece including 10% recycled content/ tuft density 180000 / sqm, total carpet weight of 4700 g/sqm, pile weight of 700 g/ sqm, having minimum impact noise rating of 37 dB permanent anti- static ISO 6356 of < 2 kV with rubber base adhesive at conference room as per instruction of Architect. (Basic Cost of tiles : Rs. 130.00 / s.ft.)	750	sq. ft.		
22	Providing and fixing Aluminium Transition Profile between wooden / carpet flooring and Hard flooring area along the periphery of all cabins / rooms in the office space. The Aluminium trim to be of 32 mm in width and to serve as a leveller between top floor finishes. The trim to have brushed finish as per approved sample.	110	r. ft.		
23	Providing and fixing Vinyl flooring of 3mm thick, in size of 305 x 305 mm. as per IS : 3461 or 3462 approved pattern & colour combination with PUR Protect or equivalent surface treatment having wear minimum resistance of $\leq 4.0\text{mm}^3$ as per EN 660.2 and wear group P as per EN649 and should have a minimum residual indentation of <0.03mm confirming to EN-433. The laid flooring should have non-directional design, colour dyed as a raw mixture to ensure even colour throughout the thickness and its surface should be densely compacted for improving wear and ease of maintenance with Anti-bacterial and Fungicidal properties. The laid flooring shall confirm the fire rating B1 class as per EN 13501-1. The floor finish should terminate at the room perimeter complete the work as directed.	3799.69	sq. ft.		

24	Supplying, fitting & fixing kitchen cabinet below main kitchen platform having approx. 800 mm height and 600 mm depth as per the following specifications. The frame work or carcass of the cabinets, shelves etc. shall be made out of 19 mm thick marine plywood (IS : 710) with entire inside finished with 0.8 mm and Outside of shutter with 1.0 mm laminate of glossy finish. Each shutter shall be fixed to the framework using two numbers of soft close auto hinges of approved make and Handle for all shutters of reputed approved make complete as per direction of the Architect / Bank.	60	sq. ft.		
25	Supplying fitting & fixing pre-fabricated/ factory made overhead kitchen wall units above main kitchen platform having box type overhead units approx. length of 2000 mm (in two parts) and 700 mm height and 325 mm depth as per the following specifications. The frame work or carcass of the cabinets including facia/sides /bottom, shelves etc. shall be made out of 19 mm thick marine plywood with laminate of inside of 0.8 mm and 1.0 mm laminate of glossy finish Panel Doors. Panel Doors also having provision of Fixing of 6 mm transparent glass. The intermediate shelves will be of 8 mm. thk. glass. Each shutter shall be fixed to the framework using two numbers of soft close auto hinges of make Hettich, KAFF or approved equivalent make. Shutters to be extended below the bottom level of cabinet by 10 mm. for operation. All complete as per direction of the Architect / Bank.	20	sq. ft.		
26	Supplying free standing 3 seater metal lounge chair with SS stand, hand rest etc. with cushioned seat and back with approved colour upholstery complete.	2	unit		
27	Providing SWIVEL CHAIR - FABRIC (HIGH BACK FOR RM) : In MS frame covered with breathable mesh in black for back & Lumber support, 12mm. Moulded ply for seat with PU on it. PU Adjustable arms, Chrome base, Synchro mech. & gas lift etc. complete. Or as per manufacturer specification of Methodex or similar	1	unit		
28	Providing SWIVEL CHAIR - FABRIC (MEDIUM BACK FOR STAFF) : In MS frame covered with breathable mesh in black for back & Lumber support, 12mm. Moulded ply for seat with PU on it. PU Adjustable arms, Chrome base, Synchro mech. & gas Lift etc. complete. Or as per manufacturer specification. (Model : NYLA MB of Methodex or similar)	30	unit		
29	Black Stone Slabs 25 mm thick in structure of cooking platform laid on 12 mm (average) thick cement mortar 1 : 4 (1 cement : 4 coarse sand) and jointed with grey cement slurry/adhesive mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. (Location : Kitchen)	130.00	sq. ft.		
30	Granite slabs (Sadar Ali / Galaxy) 18 mm thick in cooking platform laid on pre laid black stone slabs with adhesive, including rubbing, moulding and polishing complete. (Location : Kitchen)	60.00	sq. ft.		

31	Dismantling existing door frame and shutter from its original location	1.00	unit		
32	Refixing the same door frame & shutter into new location within same premises using necessary clamp etc. complete.	1.00	unit		
33	Dismantling 125 thk. Brick wall with one side plastering & another side tile finish including removal of rubbish from the compound complying municipal rule.	30.00	sq. ft.		
34	125 thk. Brickwork in 1:4 cem-sand mortar	30.00	sq. ft.		
36	15 mm. thk. Internal Plastering with 1:5 cem-sand mortar	60.00	sq. ft.		
36	Providing and fixing 1st quality Ceramic Glazed Wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades of specified size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. (Location : Toilet & Kitchen) (size : 450 x 300 mm.)	40	sq. ft.		
37	Rendering plastered wall surface with white cement based wall putty 1.5 mm. thk. until smooth finish is achieved complete.	1500	sq. ft.		
38	Removing old paint from blistered painted surface with application of soda, sajimati or any approved chemical paint remover and exposing the original surface including cleaning and thorough washing to remove all traces of the removing agent including taking out shutters and refixing the same where necessary.	10000.00	sq. ft.		
39	Priming two coats on plastered surface with acrylic oil bound primer of approved quality including smoothing surfaces by sand papering etc.	10000.00	sq. ft.		
40	Wall painting with Acrylic Emulsion Paint , having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
	Two coats	10000.00	sq. ft.		
41	Priming two coats on timber, steel or other metal surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc. complete as directed.	2000.00	sq. ft.		
42	Painting on all types of Metal surface with Synthetic Enamel Paint of approved brand and manufacture of required colour to give an even shade				
	Two or more coats	2000.00	sq. ft.		
SUB TOTAL					

APPROVED MAKE OF MATERIALS		
1	False Ceiling / Channels	India Gypsum / Armstrong /AMF / Saint Gobain
2	Aluminium Frame Work / aluminium Section	Jindal / TATA
3	Wood Skirting / Moulding / Lipping / Beading	C P Teak
4	Wood Preservative	STP Pentaphene Pale / Termiseal by PCI / Bison by British Paint
5	Fire Reterdant Paint	Industrial grads of Noble / Viper
6	Marine Ply with ISI : 710 mark	Green panel / Avenger / Satabdi
7	BWP Block board (IS : 1659) Flush Door	Green panel / Avenger / Satabdi
8	Laminate (1.0 mm thk.)	Merino Lam / Green lam /Century mica / Sun mica
9	Door Closure (Heavy Duty)	Ebco / Ozone / Dorma / Godrej
10	Floor Spring (Heavy Duty)	Ebco / Ozone / Dorma / Godrej
11	Door Lock (Dead)	Godrej / Ebco
12	Door Handles	Godrej / Hafele /Hettich / Ebco
13	Drawer / Storage Handle	Godrej / Hafele /Hettich / Ebco
14	Drawer / Storage Lock (Multipurpose)	Godrej / Hafele /Hettich / Ebco
15	Night latch	Godrej / 4C Acme
16	Screws	GKW / Nettle fold
17	Hinges	CIEF
18	Sliding Telescopic Drawer Channel	Ebco / Kombo / Earl Behari / Efficient Gadjets
19	Cable Organiser	Ebco / Innofitt Systems (CM 63.C)
20	Adhesive	Fevicol SH / Araldite
21	Soft Board	Jolly Board
22	Vertical / Roller Blinds	Mac / Vista / Wincab
23	Glass	Modiguard /AIS / Saint Gobain
24	Paints (Synthetic Enamel / Acrylic Emulsion)	Asain Paints / Berger / Dulux
25	PVC Flooring	Krishna Vinyl / Armstrong / Birla
26	Texture Paint	Asain Paints / Berger / Dulux
27	WPC 3DPanel	Alutuff / Murrato
28	European WC / Washbasin	Hindware /Parryware
29	Sanitary Fittings	Jaquar / Hindware
30	G.I. Pipe	Tata (Medium) / Jindal
31	Cement	Ultratech / Ambuja / ACC
32	Footmat	Birla 3M / Approved Equivalent
33	Vitrified Tiles	Johnson / Kajaria / Nitco / ASL
34	Ceramic Tiles	Johnson / Kajaria / Nitco / ASL
35	Polyester fibre panels	Times or similar
36	ACP	Alucobond / Alstone / Euroboard
37	Wooden Flooring	Pergo / Armstrong / Egger or similar
38	Carpet tiles	Unitex / Modulyss or similar
39	Veneer (4 mm.)	Century / Green
41	Corian (6 mm.)	DUPOINT/HI-MAC/ STARON or equivalent
42	All other items not covered above	As per sample approved by Employer/Consultant

SECTION – III**STOCK HOLDING CORP. OF INDIA LIMITED # REGIONAL OFFICE, KOLKATA****B O Q FOR ELECTRICAL WORKS**

SI No.	Description Of Item	Qnty.	Unit	Rate (Rs.)	Amount (Rs.)
1	MAIN INCOMING SFU				
	S/I/T/Commissioning of 415V, AC 50 Hz, 250 Amp. TPN Main Switch (HRC fuse type - FSF) within steel enclosure at main incoming from SEB / Transformer to be fixed on MS angle framework & 2 nos. cable end box including necessary interconnections	1	unit		
2	MAIN PANEL BOARD				
	S/I/T/Commissioning of Main Distribution Panel Board as per given below: - 440 Volts AC, 3 Phase, 50 Hz with 50 KA fault level for 1 second, Floor / Wall mounted, 7 tank cleaning process with duly powder coated with copper bus bar. Incomer : 250 Amps 4 Pole MCCB of 35 KA breaking capacity (with earth fault relay) - 1 nos. , with LED type phase indicating lamp, Digital voltmeter, Ammeter with selector switch with required CT unit, Danger Notice Board indicating sign (DANGER) in English, Hindi, Bengali. Outgoing : 125 Amps 4P MCB - 1 No., 63 Amps 4P MCB - 2 Nos., 40 Amps 4P MCB - 3 Nos., 25 Amps 4P MCB - 3 Nos., 25 Amps 2P MCB - 3 Nos., 125 Amp 4P Changeover switch -1 No., 250 Amp TPN Bus bar Chamber-1 No., 125 Amp TPN Bus bar Chamber-1 No.	1.00	unit		
3	UPS INPUT/ OUTPUT DB				
	63 Amps/40 Amps 4P MCB in MS enclosure box	2.00	unit		
4	DISTRIBUTION BOARDS (All connections to be through socket)				
a	Providing and fixing 12 way SPN double door UPS DB with incomer 1 no. 40 Amps DP MCB controlling 10 nos. 16/10 Amp SP MCB Complete. (All MCBs to be "B" series)	3.00	unit		
b	Providing and fixing 12 way SPN double door LIGHT DB for LIGHT POINTS with incomer 1 no. 25 Amps DP RCBO controlling 10 Nos. 6/10 Amp SPMCB Complete. (All MCBs to be "B" series)	3.00	unit		
c	Providing and fixing 4 way TPN double door AC DB-1 for A.C. POINTS with incomer 1 no. 40 Amps 4P MCB controlling 7 no. 6/10 Amp SPMCB, keeping other space as spare Complete. (All MCBs to be "C" series)	1.00	unit		

e	Providing and fixing 6 way TPN double door POWER DB for RAW POWER POINTS with incomer 1 no. 32 Amps 4P MCB controlling 18 no. 6/10 Amp SPMCB Complete. (All MCBs to be "B" series)	2.00	unit		
5	CABLES				
a	Providing and placing in position, testing and connecting 1.1 KV grade XLPE insulated PVC sheathed armoured Aluminium cable 4C x 120 sq. mm. conforming to IS 7098 with 2 Nos 10 swg GI ECC by GI bar and saddles on wall/floorpass. Cable to be from <u>Supply Main Switch to Main DB.</u>	20.00	r. m.		
b	Providing and placing in position, testing and connecting 1.1 KV grade XLPE insulated PVC sheathed armoured Aluminium cable 4-C x 16 sq. mm. conforming to IS 7098 with 2 Nos 10 swg GI ECC by GI bar and saddles on wall/floorpass. Cable to be from <u>Main DB to VRF ODU</u> Including all necessary terminals etc. complete.	135.00	r. m.		
c	Providing and placing in position, testing and connecting 1.1 KV grade XLPE insulated PVC sheathed armoured Aluminium cable 4-C x 50 sq. mm. conforming to IS 7098 with 2 Nos 10 swg GI ECC by GI bar and saddles on wall/floorpass. Cable to be for DG interconnection Including all necessary terminals etc. complete.	10.00	r. m.		
d	Providing and laying 4 x 10 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main DB to UPS Input</u> , <u>UPS Output to UPS DB</u> & <u>Main DB to VRF ODU</u> Including all necessary terminals etc. complete.	75.00	r. m.		
e	Providing and laying 2 x 6 sq. mm. & 1 x 2.5 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main DB to POWER DB.</u> Including all necessary terminals etc. complete.	50.00	r. m.		
f	Providing and laying 2 x 6 sq. mm. & 1 x 1.5 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main DB to LIGHT DB.</u> Including all necessary terminals etc. complete.	80.00	r. m.		
g	Providing and laying 2 x 2.5 sq. mm. & 1 x 1.5 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>DB to SWITCH BOARDS.</u> Including all necessary terminals etc. complete.	400.00	r. m.		

h	Providing and laying 2 x 2.5 Sq mm. & 1 x 1.5 sq. mm. FR PVC insulated multi stranded copper wire in suitable size pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories for <u>UPS DB To Computers</u> . Including all necessary terminals etc. complete.	600.00	r. m.		
i	Providing and laying 2 x 4 Sq mm. & 1 x 1.5 sq. mm. FR PVC insulated multi stranded copper wire in suitable size pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories for <u>DB To Glow Sign Board</u> . Including all necessary terminals etc. complete.	60.00	r. m.		
6	CABLE TERMINATION				
	Supplying, connecting the end terminations with copper cable lugs, Single Compression Brass Cable Glands, Tapping, Crimping etc. complete.				
a	4 core 120 sq mm Al. Armoured	2.00	unit		
b	4 core 50 sq mm Al. Armoured	2.00	unit		
c	4 core 16 sq mm Al. Armoured	2.00	unit		
7	POINT WIRING				
a	Providing & fixing POINT WIRING for Ceiling and wall lights. Point wiring to be laid with 2 x 1.5 Sq. mm. PVC insulated copper conductor with all necessary accessories, such as saddles etc. on surface or embedded in wall, chasing the walls and making the surface neat afterwards. The item includes modular switch 6 AMP with all base plates & cover plates, M.S. box of same make etc. 3 - plate ceiling rose to be provided for Exhaust fans complete. (one light to be controlled by one switch) Each switch board should have 1 no. 5 amp socket & 1 no 5 amp switch.	130.00	unit		
b	Same as above ... Two lights to be controlled by one switch	20.00	unit		
8	Providing and fixing power point for Wall / Exhaust Fan points with 1 x 5 pin 6 Amp socket outlet to be provided at the location of fan	57.00	unit		
9	Providing & fixing Raw Power Point Includes 2 nos. 5 pin 6 AMP socket and 1 no 6 Amp switch etc. complete.	75.00	unit		
10	Providing & fixing Raw Power Point Includes 1 nos. 5 pin 5/15 AMP socket and 1 no 15 Amp switch etc. complete.	2.00	unit		
11	Providing & fixing Computer Plug Points with 3 Nos 5 pin 6 Amp sockets, 1 Nos 6 amp switch, complete with all necessary accessories. The switch and indicator to be located above the counter while sockets to be fixed below the counter.	70.00	unit		
12	Providing and fixing BELL POINTS on wall / partition with 2 x 1.0 sq. mm. copper conductor with call bell switch (Push Type) including ANCHOR call bell TRESSA Multi Tune Bell complete.	3.00	unit		
14	Providing and fixing Glow Sign Board point with timer controlling thro. separate 16 Amp. DP MCB with metal enclosure complete.	3.00	unit		

15	Supplying, Installation, Testing & Commissioning of RG-6 Co-axial Cables in 20 mm PVC pipe. (Make - Finolex / Havells / Polycab)	10.00	r. m.		
16	Supplying, Installation, Testing & Commissioning of cable point with 1 No. of TV antenna socket, 1 Module Plate & Modular Box as per instructions of the Architect.	3.00	unit		
17	EARTHING				
a	Earthing installations as per I.E. rules by making earth stations with 600 mm x 600 mm x 6.0 mm. thick copper plate electrode to be installed such that its top edge shall be at a minimum depth. of 3.0 meter below ground level after preparation of ground with charcoal and salt and connecting the MIP with 25 mm x 6 mm G.I. earth lead-in-strip directly in ground by bolting and then brazing to the copper Plate complete with G.I. bolts of suitable length double nuts and washers including supply and fixing of 50 mm dia. partly perforated G.I. pipe with funnel for watering arrangement. 3.0 m. long with 300 x 300 mm. casting plate connection to be fitted with bitumen, the electrode to be driven under G. L. to an av. depth of 3.15 m. The earthing installation should be provided with 300 mm x 300 mm and 300 mm depth inside dimension masonry inspection pit with C.I. hinged cover having locking arrangements, test link of size 150 mm length x 25 mm x 6 mm copper flat connected to copper earth lead-in-strip and restoring the surfaces duly rammed. <u>(Contractor has to submit ER Test report as per IS Code, prior to claim their bill)</u>	1.00	unit		
b	Providing and fixing Pipe Earthing (IS 3043 Code) 3.0m. deep with 40 mm. dia. GI pipe With perforations filled with alternate layers of Charcoal and salt. The item includes Funnel on top in brick masonry chamber with CI cover for watering purpose complete.	3.00	unit		
c	Providing and fixing Copper Earth Wire 8 gauge in pvc conduit in Floor / walls From earth pit to earthing station & finally connected to Main Panel Board Complete.	150.00	r. m.		
18	TELEPHONE CABLING				
a	Supplying, Installation, Testing & Commissioning of 10 pair 0.51 sq. mm. telephone unarmoured cable in 20 mm PVC pipe. (Make - Finolex / Havells / Polycab)	250.00	r. m.		
b	S/I/T/Commissioning of Telephone point with 1 No. of RJ-11 socket, 1 Module Plate & Modular Box as per instructions of the Architect.	12.00	unit		
c	Providing and fixing 4 digital EPABX system of SINTEL/ MEC of 45 port extendable up to 96 slots with 4 No of input including all accessories and labour as per direction of Architect.	1.00	unit		

d	Providing and fixing phone hand set of Beetel/ BPL make (black colour) with speaker and caller Id as per direction including all accessories, labour and materials.	12.00	unit		
19	PA SYSTEM (in Conference Room)				
h	Supply, installation and testing of 10 watt ceiling speaker of Ahuja make .	10.00	unit		
i	Supply of all required materials and laying of speaker wiring from speaker point to amplifier including cost of all labour materials.	100.00	Rmt.		
j	Supply, installation and testing of 50wt speaker amplifier of Ahuja make (DPA 570 or similar).	1.00	unit		
k	Supply, installation and testing of handheld cordless microphone with receiver of Ahuja make.	3.00	set		
20	DATA CABLING				
a	Providing and fixing IOU (information outlet unit) of AT & T make including square face plate MS housing box with RJ-45 socket etc complete	80.00	unit		
b	Providing and fixing data points with CAT-6 UTP cable from system room to individual points in 20mm PVC conduit fixed on wall, ceiling, partition etc. complete	1300.00	r. m.		
c	Providing and fixing Mounting (PATCH) cords one per port.				
i	2.0 m. long	80.00	unit		
d	Providing and fixing 50 pair krone box including all accessories and labour as per direction of Architect.	1.00	unit		
e	Providing and fixing 15 U rack with rack accessories i.e fan, bolts, power distribution box, cable manager, patch panel etc. of (Val Rack/ Net Rack/ APW)	1.00	unit		
21	ELECTRICAL FIXTURES				
	Item includes supplying, assembling, fixing, testing & commissioning Following Fixtures including all accessories, lamps & extension chords as maybe necessary complete. All LED / Fluorescent fixtures (except down lighters) to be hung from the RCC ceiling by 20 KG grade adjustable GI chain & in NON False ceiling area they are to be hung by appropriate Down Rods.				
a	Providing and Fixing Recessed mounted diffused optics high performance 2' X 2' LED luminaire with necessary LED lamp (34W LED 6000K) or similar	61.00	unit		
b	Providing and Fixing Recessed mounted LED spot light with necessary LED lamp (15W LED 6000K) or similar. (Ceiling cutout ø 155 mm.)	78.00	unit		
c	Providing and Fixing Surface mounted 4' long luminaire suitable for Lamp type 18W LED (T5) or similar	12.00	unit		
d	Providing and Fixing Surface mounted 2' long luminaire suitable for Lamp type 12W LED or similar	8.00	unit		
e	Providing and Fixing wall mounted fans 400 mm. sweep	10.00	unit		
f	Supplying & Fixing of exhaust fan heavy duty industrial type 225 mm sweep with 1400 RPM.	6.00	unit		

SUB TOTAL				
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APPROVED MAKE OF MATERIALS

1	Switch fuse units (HRC)	LEGRAND / INDO-ASIAN / HAVELLS
2	Timer (TSQ 100)	L & T / HAVELLS
3	Voltmeter & Ammeter	A. E. / IMP
4	Voltmeter & Ammeter selector switches	KAYCEE / L & T
5	Phase indicating lamp	Vaishno / SIEMENS / ROSS controls
6	Capacitor	CROMPTON/SIEMENS
7	HRC fuses	GE power / SIEMENS / L & T / SCHNEIDER
8	Power Cable : XLPE	GLOSTER/ POLYCAB/ HAVELLS / NICCO
9	HRC fuse base & carriers.	GE power / SIEMENS / L & T / SCHNEIDER
10	1.1 KV grade PVC insulated armoured aluminium cable (ISI marked)	GLOSTER / NATIONAL / NICCO / HAVELLS
11	1.1KV / 600V grade PVC insulated & sheathed / insulated copper wire & flexible cords (ISI marked).	FINOLEX / HAVELLS
12	RCCB / ELCB / MCCB	LEGRAND / INDO-ASIAN / HAVELLS
13	Moulded case circuit breaker	LEGRAND / INDO-ASIAN / HAVELLS
14	RCCB / ELCB	LEGRAND / INDO-ASIAN / HAVELLS
15	Switch fuse with rewirable fuses. (6A & 32A TPN)	LEGRAND / INDO-ASIAN / HAVELLS
16	Isolator	LEGRAND / INDO-ASIAN / HAVELLS
17	Changeover switch (on load type)	LEGRAND / INDO-ASIAN / HAVELLS
18	MCB distribution board	LEGRAND / INDO-ASIAN / HAVELLS
19	6/16 Amp modular type switch / flushed type plug socket	ANCHOR (Roma) / CRABTREE / INDO-ASIAN
20	6/16 Amp modular switch / socket, module plate & mounting M.S. / PVC box.	ANCHOR (Roma) / CRABTREE / INDO-ASIAN
21	16/25 Amp., 2 module electronic regulator	ANCHOR (Roma) / CRABTREE / INDO-ASIAN
22	Ceiling rose	KAY / EPP / ANCHOR / JJ
23	Holder	KAY / EPP / ANCHOR / JJ
24	Alarm bell	KHERAJ / GETCO
25	Black enamelled Steel conduits (conforming to IS in all respects)	BEC / SUPREME / AKG
26	Compression type brass gland	DOWELLS / JOHNSON / COMET
27	Cable termination socket	DOWELL'S
28	Light fitting & lamps	PHILLIPS / HAVELLS
29	Ceiling / Wall Mounted Fan	CROMPTON / POLAR / KHAITAN / HAVELL'S
30	Exhaust fan	CROMPTON / POLAR / KHAITAN / HAVELL'S
31	Industrial type socket & top	HAVELL'S / CROMPTON / LEGRAND
32	Telephone wire	FINOLEX / RRK/NATIONAL
33	Starters	NORTH WEST / CABTREE
34	All other items not covered above	As per sample approved by Employer/Consultant
35	Telephone wire	FINOLEX / RRK/NATIONAL
36	STARTERS	NORTH WEST / CABTREE
37	All other items not covered above	As per sample approved by Employer/Consultant

31	Light fitting & lamps	PHILLIPS / HAVELLS
32	Ceiling / Wall Mounted Fan	CROMPTON / POLAR / KHAITAN / HAVELL'S
33	Exhaust fan	CROMPTON / POLAR / KHAITAN / HAVELL'S
34	Industrial type socket & top	HAVELL'S / CROMPTON / LEGRAND
35	Telephone wire	FINOLEX / RRK/NATIONAL
36	STARTERS	NORTH WEST / CABTREE
37	All other items not covered above	As per sample approved by Employer/Consultant

SECTION – IV

STOCK HOLDING CORP. OF INDIA LIMITED # REGIONAL OFFICE, KOLKATA

B O Q FOR BRANDING WORKS

SI No.	Description Of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	3M GLASS FILM				
	Providing & Fixing Birla 3M /Lunar make frosted film fixed on the glass after cleaning and wiping glass surfaces free of any dust or foreign boodles and then fixed plain approved pattern / design film on the glass as per detail drawing inclusive making necessary cutouts, carting away unserviceable materials out of compound, cleaning the site etc. complete as per the site requirements and the instructions of the Architect. (Mode Of Measurement - Length X Height)	300	sq.ft.		
2	ACRYLIC PAMPHLET HOLDER				
	Providing and Fixing Acrylic Pamphlet holder made out of 8 mm thk. Plain Imported Acrylic sheet in required shape and fix the pamphlet holder with S.S. Studs along with necessary hardware etc. complete as per detail drawing and instructions of the Architect. (Mode Of Measurement - Per Unit)	6	unit		
3	POSTER HOLDER (Size: 2'-0" X 2'-6")				
	Providing and fixing poster holder mad out of 8 mm and 4 mm thk. Imported sandwiched Acrylic sheet and fixed the poster holder with 18 mm dia S.S. Removable Studs (3" in Length) fixed as per required locations and instruction of the Architect. (Mode Of Measurement - Per Unit)	10	unit		
4	MAGNETIC WHITE BOARD				
a	Providing & Fixing Magnetic board 3'-0"X'4'-0" (Ready made) of approved make on panelling / partition & workstations as directed.	4	unit		
b	Providing & Fixing Magnetic board 8'-0"X'4'-0" (Ready made) of approved make in conference room as directed.	1	unit		
5	Providing & Fixing different directional indication (Like 'in', 'out', 'push', 'pull' , chamber names etc.) written on white Bakelite sheet (size approx. 100 x 300 mm.) as directed.	14	unit		
6	Providing & Fixing backlit Glow Sign Board to be fixed to external / internal wall in specified floor and location complete . Cost for necessary scaffolding should be included within the quoted rate.	200	sq.ft.		
7	Providing & Fixing SS Inauguration Plaque (600 x 450 mm.) to be fixed to wall with mirror screw with design and write-ups as directed by SHCIL complete.	1	unit		
SUB TOTAL					

SECTION – V

STOCK HOLDING CORP. OF INDIA LIMITED # REGIONAL OFFICE, KOLKATA

B O Q FOR AIR CONDITIONING WORKS

SI No.	Description Of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Dismantling & Installation of AC units (cost includes necessary dislodging, carrying, transportation, refixing, commisioning etc. from old office to new office within kolkata metro area)				
a	Dismantling of 17 TR indoor & outdoor unit	1	unit		
b	Dismantling of 6.5 TR indoor & outdoor unit	2	unit		
c	Reinstallation of 17 TR indoor & outdoor unit after necessary servicing	1	unit		
d	Reinstallation of 6.5 TR indoor & outdoor unit after necessary servicing	2	unit		
2	Refrigerant Piping				
	Hard & soft drawn copper refrigerant piping interconnecting indoor & outdoor units with insulation for 17 TR & 6.5 TR units (1 1/8" & 5/8")	75	R mt.		
3	Electrical Cables				
a	4C x 2.5 sq.mm. cable between main panel and indoor units	40	R mt.		
b	6C x 1.5 sq.mm. cable between main panel and indoor units	40	R mt.		
c	6C x 4 sq.mm. cable between main panel and outdoor units	40	R mt.		
d	4C x 1.5 sq.mm. cable between main panel and outdoor units	40	R mt.		
e	6C x 1.5 sq.mm. cable between main panel and outdoor units	40	R mt.		
4	Sheet Metal Work				
a	Dismantling of existing duct in old offices	3	lot		
b	Supply, fabrication & erection of supply air duct made of 20 SWG G.I. sheet	60	R mt.		
c	Supply, fabrication & erection of supply air duct made of 22 SWG G.I. sheet	145	R mt.		
d	Supply, fabrication & erection of supply air duct made of 24 SWG G.I. sheet	80	R mt.		
e	Canvass connection	6	unit		
5	Duct Insulation				
a	Duct thermal insulation by 9 mm. thk. Nitrile insulation.	210	sq.m.		
b	Duct acoustic insulation with 12 mm. thk. Rigid board & cover by 30 SWG aluminium perforated sheet	60	sq.m.		
6	Grill				
a	Aluminium powder coated discrete grille with VCD for supply air	4.8	sq.m.		
b	Aluminium powder coated discrete grille with VCD for return air	10	sq.m.		

7	Drain Pipe				
a	Supply and installation of 40 mm. hard PVC drain pipe with necessary insulation.	15	R mt.		
8	Supply & filling of Refrigerant Gas R 410 A	15	Kgs.		
9	Misc. civil work for cutting, chiselling wall and mending good all damages.	1	lot		
10	Supply and installation of hanging arrangements for ODU	3	unit		
11	Supply and installation of MS frame work for ODU	3	unit		
	SUB TOTAL				

SECTION – VI



