



CHENNAI.

**TENDER FOR PROPOSED INTERIOR, ELECTRICAL
AND AIR CONDITIONING WORKS RELATED TO
RENOVATION OF NON MOTOR CLAIMS HUB OF UNITED
INDIA INSURANCE CHENNAI REGION.**

PART – B – Price bid

CONSULTANTS : FOARCONS

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LIST OF APPROVED MAKE OF MATERIALS FOR INTERIOR WORKS

UNLESS OTHERWISE SPECIFIED IN THE BOQ. THE APPROVED BRANDS FOR VARIOUS MATERIALS SHALL BE AS FOLLOWS:

1	MR Grade plywood	Green ply, Century ply, Archid ply & Mayur ply
2	Pre laminated MDF Boards	Green ply, Century ply & Merinolam
3	Lamination 1mm & 0.8mm thick	Sunmica & Merinolam
4	Hardware (Screws, Nails, Stays etc.)	Earl Bihari / Efficient Gadgets / Imex
5	Aluminum Extrusions	Jindal or Equivalent brand
6	Drawer slides	Godrej /Ebco/Hettich/Sleek
7	Mortise and Multipurpose lock	Godrej / Ebco
8	Door Closers	Godrej / Dorma / Hardwyn / Ebco
9	Floor Springs	Dorma / Hardwyn / Ozone
10	Handles	Godrej / Dorma / Ebco
11	Adhesive	Fevicol SH
12	Glass Panels	Saint Gobain and Modi float
13	Teak wood	1 st Quality Of Teak wood
14	Duco paint	Asian/ Nerolac
15	Gypsum Board False Ceiling and Gypsum board partition	Saint-Gobain “Gyproc” and GI Sections
16	Grid False ceiling	Saint-Gobain Mineral fiber ceilings of ‘CELOTEX PIN’ with narrow Reveal edge corner bevel 14mm grid (bolt slot)
17	Flush Doors	Century ply, Archid ply and Oswil,
18	Vertical Blinds	Alta Vista and Marvel
19	Vinyl flooring	Armstrong
20	Plastic paint and Enamel paint	Asian/ Nerolac

LIST OF APPROVED MAKE OF MATERIALS FOR ELECTRICAL & AC WORKS
UNLESS OTHERWISE SPECIFIED IN THE BOQ. THE APPROVED BRANDS FOR VARIOUS MATERIALS SHALL BE AS FOLLOW

ELECTRICAL WORKS		
1	Main switch	L&T
2	Lt/Ht UG Cables	Anchor, Orbit and Finolex
3	Cable Glands & Cable Lugs	Anchor, Orbit and Finolex
4	MCBs/MCCBs/DBs	Legrand and Hager
5	Metal clad Plug & Socket	Legrand and Hager
6	Automatic Phase Shifter	Swift
7	Data sockets	D-Link and Anchor Roma
8	Telephone Sockets	Anchor Roma
9	PVC Conduits	Avon plast, sun brand
10	FRLS PVC Copper Wires	Anchor, Orbit and Finolex
11	Switches & Sockets	Anchor Roma
12	Light fittings	Philips
13	Wall Mounted/Ceiling Fans	Crompton Greaves
14	Exhaust Fans	Almonard
15	Telephone Cables	Anchor, Orbit and Finolex
16	Data cables	D-Link
17	24 port switch, 24 port jack panel & Data Rack	D-Link
AC WORKS		
1	Split AC Indoor and Outdoor	A) Carrier SUPERIA make 1 & 2 ton 5 star rated and 2 ton 4 star rated B) Blue Star 5star rated model nos-5HW24MA/5HW12SA
2	Copper pipes	ISI standard
3	Stabilizer	Everest
4	PVC Pipes	Bajaj, Avon plast, Finolex, Supreme
5	Outdoor unit stand	ISI standard
6	Power cable	Anchor, Orbit and Finolex

NOTES:

- Equivalent means equivalent in the opinion of architect/office engineer, and every materials to be get approval from architect/office engineer in the form of **material checklist**, it is filled by the contractor before starting the work and it should be verified by the supervisor at site.
- Advance/final bills are in same format of bill of quantities with measurements sheet.
- Single line format bills for advance/ final payment shell be not be acceptable.
- Any changes in the drawing or required for the site with conformation of architect / office engineer.
- If additional works required apart from the tender. Those items to be prepared with rate analyses

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
	OFFICE INTERIOR WORKS				
1	Supply and fixing Tables of following sizes: Table Top to be made with 25mm thick Bothside Prelaminated MDF board and 18mm thick Bothside Prelaminated MDF board to be used for frame work and fixed with all necessary hardwares like clamps, screws, adhesive, nails and etc. Understructure of the table to be finished with one keyboard tray, one side one drawer, one openable storage, CPU stand and footrest. Key board tray and drawer telescopic slides make of godrej / ebco / hettich / sleek only others not accepted. Table edges to be finished with 2mm thick Machine pressed PVC edge band of approved shade and colour. Necessary hardwares such as locks, hinges, handles, Clamps, screws and wire manager are approved make. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift, all taxes & duties and etc. Complete as per drawings and instructions of the Architect.				
1a	Regional Manager table (6'0" length, 3'0" width and 2'6" height)	1	No		
1b	Manager's table (5'6" length, 2'6" width and 2'6" height)	2	Nos		
1c	Officer's table (5'0" length, 2'6" width & 2'6" height)	9	Nos		
1d	Staff's table (4'6" length, 2'6" width & 2'6" height)	16	Nos		
2	Conference Room Table of size (5'0" x 3'0" x 2'6") : Table Top to be made with 25mm thick Bothside Prelaminated MDF board and 18mm thick Bothside Prelaminated MDF board to be used for frame work and fixed with all necessary hardwares like clamps, screws, adhesive, nails and etc. Understructure of the table to be finished with footrest. Table edges to be finished with 2mm thick Machine pressed PVC edge band of approved shade and colour. Understructure of tables shall have good wire management capabilities with separate routing for power, ups and data/voice cables. Cables from floor to the table top should be concealed within the table leg. All electrical and data/voice points to be accessed from table top through a cavity cutout into the top. (Type, colour & size to be matched as per the sample of the workstations). Necessary hardwares such as Clamps, screws and etc are approved make.				

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	Table shall have wire Management system preferably accessible from the table top on the horizontal surface. Cable dumps to be provided depth of cable dump is 250mm, sockets, switches data and voice points are to be provided at the bottom of the dump. Flip top to be provided to the flush of work surface. Cable cubby to be considered as per site requirements. Cost include all wastages, cuttings, transports, loading, unloading charges, labours, all taxes & duties, materials, tools and etc. Complete as per drawings and instructions of the Architect.	2	Nos		
3	Removing refixing existing table with fixing new laminate top and external sides, all internal sides finished with enamel paint of approved colour and coats, if required hard wares to be replaced	4	Nos		
4	Supply and fixing of Side units of following size's: Providing and fixing Side Unit to be made with 25mm thick Bothside prelamnated MDF board for top and 18mm thick bothside prelamnated MDF board for frame work with 18mm thick bothside prelamnated MDF board for sliding doors. 6mm thick bothside prelaminted MDF board to be used for back side of the side unit. Side unit edges to be finished with 2mm thick Machine pressed PVC edge band of approved shade and colour. Necessary hardwares such as locks, sliding wheels, handles, Clamps, screws and wire manager are approved make. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift, all taxes & duties and etc. Complete as per drawings and instructions of the Architect.				
4a	Side unit-1 (4'0" length, 1'4" width and 2'6" height)	1	No		
4b	Side unit-2 (3'0" length, 1'4" width and 2'6" height)	6	Nos		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
5	STORAGE (height 4'0" and width 1'6") to be made with 25mm thick bothside prelaminated MDF board on top, 18mm thick bothside prelaminated MDF board frame work, 18mm thick bothside prelaminated MDF board shelf's and 18mm thick bothside prelaminated MDF board for shutters. Back side 6mm thick both side prelaminated MDF board for covering. Side unit edges to be finished with 2mm thick Machine pressed PVC edge band of approved shade and colour. Necessary hardware such as locks, hinges, tower bolt and handles are approved make. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift, all taxes & duties and etc. Complete as per drawings and instructions of the Architect.	40	Sft		
6	Full height Glazed partition (height 8'6" or ceiling height) with Anodized Aluminium frame work, heavy sections (2mm thickness) of 2"x1", spacing of 2'0"x2'0" covered with 6mm thick plywood finished with 1mm thick laminate of approved shade and colour on both sides. Above 1'0" or 2'6" or 3'0" height partition, fixed with 8mm clear glass and teak wood beading finished with duco paint to match with laminate colour. Clear glass shall be finished with frosted film sticking over the glass of approved pattern and design. Rate to include providing cut-outs and provisions to run electrical conduits, switches and etc. Rate also include 3nos of 32mm Solid Core Flush door with sizes of 3'0'X7'0" and fixed with 3"x1.5" teak wood frame work fixed in the partition and finished with duco paint to match with laminate colour. Door finished with 1mm thick laminate on bothside with approved shade, colour and pattern and 8mm glass fixed with teak wood beading with duco paint. Cost also include necessary hardware's like locks, door closure, handles, brass hinges, door stopper and etc. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift, all taxes & duties and etc. Complete as per drawings and instructions of the Architect. Dismantling and removing of the existing partition and cart away the debris from the site.	240	Sft		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
7	<p>Full height Solid partition (height 8'6" or ceiling height) with Anodized Aluminium frame work, heavy sections (2mm thickness) of 2"x1", spacing of 2'0"x2'0" covered with 6mm thick plywood finished with 1mm thick laminate of approved shade and colour on both sides. Rate to include providing cut-outs and provisions to run electrical conduits, switches and etc. Rate also include 3nos of 32mm Solid Core Flush door with sizes of 3'0"x7'0"x3nos and fixed with 3"x1.5" teak wood frame work fixed in the partition and finished with duco paint to match with laminate colour. Door finished with 1mm thick laminate on bothside with approved shade, colour and pattern and 8mm glass fixed with teak wood beading with duco paint. Cost also include necessary hardware's like locks, door closure, handles, brass hinges, door stopper and etc. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift, all taxes & duties and etc. Complete as per drawings and instructions of the Architect. Dismantling and removing of the existing partition and cart away the debris from the site.</p>	970	Sft		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
8	<p>4'0" half height partition- Providing and fixing 4'0" height partition to be made with Anodized Aluminium frame work, heavy sections (2mm thickness) of 2"x1", spacing of 2'0"x2'0" covered with 6mm thick plywood finished with 1mm thick laminate and skirting to be finished with 1mm thick laminate of approved shade and colour on both sides, Above 3'0"to 4'0" height partition, fixed with combination of 12mm clear glass/pinup boards/ white colour glossy type laminate with approved colour fabric and beading of teak wood finished with duco paint to match with laminate colour. Rate also include 2nos of 32mm Solid Core Flush door with sizes of 3'0"x4'0"=1no and fixed with 3"x1.5" teak wood frame work fixed in the partition and finished with duco paint to match with laminate colour. Door finished with 1mm thick laminate on bothside with approved shade, colour and pattern and 8mm glass fixed with teak wood beading with duco paint. 12mm Clear glass shall be finished with frosted film sticking over the glass of approved pattern and edge machine polish. Rate to include providing cut-outs and provisions to run electrical conduits, switches and etc. Cost include all necessary hardwares, screws, nails and etc. Cost include all wastages, transports, loading, unloading charges, labours, all taxes & duties, materials, lead, lift, tools, materials and etc. Complete as per drawings and instructions of the Architect.</p>	480	Sft		
9	<p>Folding with Sliding doors of size (2'6" x 8'6" x 4nos): Supplying and fixing Folding with sliding doors to be made with 32mm Solid Core Flush door fixed with Top and bottom rail of approved size with all necessary fixing accessories, arrangements and etc. Top rail to be fixed in the ceiling with all necessary supports. Door to be fixed with foldable hinges, top pivot, bottom pivot, sliding arrangements and etc. Door finished with 1mm thick laminated with approved pattern and skirting. Door four sides to be finished with teak wood lipping and duco paint. Cost include necessary hardware's like godrej locks with handles, tower bolts, door stopper, foldable hinges, top rail, bottom rail, pivots, adhesive and etc. Cost include all wastages, transports, loading, unloading charges, labours, all taxes & duties, materials, lead, lift, tools, materials and etc. Complete as per drawings and instructions of the Architect.</p>	90	Sft		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
10	False ceiling -1 Gypboard finish Supplying and Erecting Saint Gobain Gyproc Gypboard false ceiling at different heights with saint gobain framework of G.I. Section (of medium thickness) of spacing 4'0"x2'0" above with 12.5mm gypboard shall be fixed with all necessary fixing accessories, arrangements and etc. Rate shall include cut-outs for lights, ac and etc. Provision for hidden lighting arrangements as per drawings. The ceiling shall be putty finished and sanded to form clean and homogeneous surface. Cost include hidden lighting arrangements and etc. Rate to include painting two coats of acrylic emulsion of approved colour after necessary preparation, one coat of primer, full putty and etc. Cost include all necessary hardwares like nails, screws, wastages, transports, loading, unloading charges, labours, lead, lift, all taxes & duties, materials, tools and etc. Complete as per drawings and instructions of the Architect.	825	Sft		
11	False ceiling -2 Grid false ceiling Providing and fixing Stain gobin tile grid ceiling of GYPROC STAIN-GOBAIN Mineral fiber ceilings of 'CELOTEX PIN' with narrow Reveal edge corner bevel 14mm grid (bolt slot) in aluminium powder coated sections supported from ceiling (4'0"x4'0"grid for support rods) with GI framework of every 2'0"x2'0" grid junction, proper levelling and finished of the joints & top surface as per manufactures specifications. All edges shall be perfectly straight. G.I angle shall be embedded within, at the edge and the surface finished flush with surrounding surfaces complete as directed. Cost include all necessary hardwares like nails, screws, wastages, transports, loading, unloading charges, labours, lead, lift, all taxes & duties, materials, tools and etc. Complete as per drawings and instructions of the Architect.	1100	Sft		
12	FLOORING -1 Supply and fixing 2mm x 300mm x 300mm PVC vinly flooring for the entire hall with necessary packing and pasting material etc. The flooring shall be sanded to form clean and homogeneous surface. Cost include all wastages, cuttings, loadings, unloadings, lead, lift, all taxes & duties, tools, materials, labour charges, floor touchup with cement plastering, levelling the flooring and etc. Complete as per instructions of the Architect.	2100	Sft		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
13	FLOORING -2 Supply and fixing 2mm x 300mm x 300mm PVC vinly flooring skirting for the entire hall with necessary packing and pasting material etc. The flooring shall be sanded to form clean and homogeneous surface. Cost include all wastages, cuttings, loadings, unloadings, lead, lift, all taxes & duties, tools, materials, labour charges, wall touchup with cement plastering, levelling the flooring and etc. Complete as per instructions of the Architect.	200	Rft		
14	Vertical Blinds- Supplying and fixing Vertical blinds for windows with all necessary fixing accessories, arrangements and etc. Cost include beaded chain, fabric and etc. Make Alta vista and Marvel. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift, all taxes & duties and etc. Complete as per instructions of the Architect.	325	Sft		
15	Rolling Shutter Encasement: Providing & fixing of 19mm thick Plywood frame work to cover the rolling shutters finished with 1mm thick laminate for sides & front with necessary hardware including locks, hinges, tower bolt and etc. Inner side finished with 0.8mm thick laminate of white colour of approved brand. Plywood edges finished with teak wood beading and duco paint. The rate inclusive of necessary open able door arrangements at the bottom. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift, all taxes & duties and etc. Complete as per instructions of the Architect.	50	Sft		
16	Plastic paint of inner wall – Providing and applying plastic paint of Asian make 2coats of plastic paint with surface preparation, 1 coat of primer and putty complete. Existing surfaces to be properly cleaned with sand paper, brush and etc. Cost include all wastages, cleaning, sand paper, transports, loading, unloading charges, labours, all taxes & duties, materials, lead, lift, tools, materials, scaffolding, ladders and etc. Complete as per instructions of the Architect. Unit – sft.	1800	Sft		
17	Enamel paint of windows & grills – Providing & applying 2 coat of enamel paint of Asian / Nerolac make with surface preparation of 1 coat of primer and putty complete in all standards and specifications. All surface must be in uniform level. Unit – sft. Cost include wastages, transports, loading, unloading charges, labours, materials, tools, lead, lift, all taxes & duties and etc. Complete as per instructions of the Architect.	500	Sft		
	OFFICE INTERIOR WORKS TOTAL				

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
	OFFICE ELECTRICAL WORKS				
	MAIN DISRTRIBUTION BOARDS				
1	Supplying and Erection of 125 Amp Main Switch with HRC Fuse (SDF) in suitable size of sheet steel encloser for EB main switch near the TNEB meter with all necessary fixing accessories, arrangements and etc. Cost include screws, Cutting, plastering and open in the wall and etc. Cost include all accessories like tools, transport, lead, lift and etc.	1	Set		
2	Supplying and Erection of 4W Vertical TPN MCCB DB with 125A 4P MCCB ,16 KA with 1 No of 100A TP MCB's, 2nos of 63A TP MCB's and 1 no of 40A TP MCB's with suitable steel enclosure with all necessary fixing accessories, arrangements and etc. The DB should be IP 43 metallic double door type of approved brand. Cost include screws, wall cutting with special cutters, tools, transport, lead, lift, all taxes & duties, plastering and concealed or open in the wall, touch-up plastering and etc. For MAIN DB	1	Set		
3	Supplying and Erection of 4W TPN MCB DB with incomer of 1 No of 100A 4P MCB and Out going of 12 nos of 20A/25A/32A SP MCB's with suitable steel enclosure with all necessary fixing accessories, arrangements and etc. The DB should be IP 43 metallic double door type. Cost include screws, wall cutting with special cutters, tools, lead, lift, all taxes & duties, plastering and concealed charges or open in the wall, touch-up plastering and etc. For POWER DB.	1	Set		
4	Supplying and Erection of 4W TPN MCB DB with incomer of 63A 4P MCB and Out going of 12 nos 10A SP MCB's with suitable steel enclosure with all necessary fixing accessories, arrangements and etc. The DB should be IP 43 metallic double door type. Cost include screws, wall cutting with special cutters, plastering and concealed charges or open in the wall, touch-up plastering, lead, lift, transport, all taxes & duties and etc. For LDB	1	Set		
5	Supplying and Erection of 8 way SPN MCB DB with 63A 2P MCB incoming with 3 Nos 32A/40A DP MCB with suitable steel enclosures with fixing accessories, arrangements and etc. The DB should be IP 43 metallic double door type. Cost include screws, wall cutting with special cutters, plastering and concealed charges or open in the wall and etc. For UPS MAIN DB	1	Set		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
6	Supplying and Erection of 16 way SPN MCB DB with 32A/40A 2P MCB incoming and outgoing of 14 Nos of 10A SP MCB's with suitable steel enclosures with fixing accessories, arrangements and etc. The DB should be IP 43 metallic double door type. Cost include screws, Cutting, plastering and concealed or open in the wall and etc. For UPS DB-1	1	Set		
7	Supplying and Erection of 8 way SPN MCB DB with 32A/40A 2P MCB incoming and outgoing of 6 Nos of 10A SP MCB's with suitable steel enclosures with fixing accessories, arrangements and etc. The DB should be IP 43 metallic double door type. Cost include screws, Cutting, plastering and concealed or open in the wall and etc. For UPS DB-2	1	Set		
8	Supplying and erection 63A 4P MCB with suitable powder coated steel sheet enclosure for UPS input. Cost include screws, Cutting, plastering and concealed or open in the wall and etc.	1	Set		
9	Supplying and erection 63A 2P MCB with suitable powder coated steel sheet enclosure for UPS output. Cost include screws, Cutting, plastering and concealed or open in the wall and etc.	1	Set		
	PHASE SHIFTERS				
1	Providing and fixing 63A automatic phase shifter 3phase in single phase out switch for UPS. Cost include screws, Cutting, plastering and concealed or open in the wall and etc. (SWIFT make)	1	No		
2	Providing and fixing 63A Automatic phase shifter 3phase in & out switch for lighting DB. Cost include screws, Cutting, plastering and concealed or open in the wall and etc. (SWIFT make)	1	No		
	POWER CABLE				
1	Supply and laying of 3.5 Core 50 sq.mm Armoured Aluminium cable with all necessary fixing accessories, arrangements and etc. Cost include all Clamps, screws, junctions, clippings, Cutting, plastering and concealed or open in manner slab/wall, touch-up plastering and etc. Complete as per instructions of the Architect.	30	Rm		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
2	Supply and laying of 3.5 Core 35 sq.mm Armoured Aluminium cable with all necessary fixing accessories, arrangements and etc. Cost include all Clamps, screws, junctions, clippings, Cutting, plastering and concealed or open in manner slab/wall, touch-up plastering and etc. Complete as per instructions of the Architect.	10	Rm		
3	Supply and laying of 3.5 Core 25 sq.mm Armoured Aluminium cable with all necessary fixing accessories, arrangements and etc. Cost include all Clamps, screws, junctions, clippings, Cutting, plastering and concealed or open in manner slab/wall, touch-up plastering and etc. Complete as per instructions of the Architect.	40	Rm		
	POWER CABLE END TERMINATION				
1	Supply and laying end termination for 3.5 Core 50 sq.mm Armoured Aluminium cable. Cost include all necessary hardwares lugs, glands and etc.	2	Nos		
2	Supply and laying end termination for 3.5 Core 35 sq.mm Armoured Aluminium cable. Cost include all necessary hardwares lugs, glands and etc.	2	Nos		
3	Supply and laying end termination for 3.5 Core 25 sq.mm Armoured Aluminium cable. Cost include all necessary hardwares lugs, glands and etc.	4	Nos		
	LIGHT POINTS WIRING				
1	Wiring to light points using with 3 runs of 1.5 sqmm FRLS PVC insulated multistrand copper conductor wire with suitable PVC conduit pipe with fixing accessories. The unit rate for switch board and further to point outlet including all hardwares and connector strips. Outlet including all hardware like outlet boxes, switch plates, switch board, switches and wire conduits. Cost include all bends, clamps, screws, junctions, clippings, Cutting, plastering and concealed or open in manner slab/wall/partitions, touch-up plastering and etc.				
	a) One light Controlled by One Switch	45	Pts		
	b) Two Lights Controlled by one Switch	5	Pts		
	c) 6A Switch box Sockets and Switch in the switch board itself	10	Pts		
	d) Ceiling Fan point with Electronic regulator controll	6	Pts		
	e) Wall bracket fan and Exhaust fan point	21	Pts		

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2	Supplying and Laying of 2 runs of 2.5 sqmm FRLS PVC insulated multistraud copper conductor wire with 1 run 1.5 sqmm copper wire as earth wire with suitable PVC conduit pipe with necessary fixing accessories for 15amps sockets/circuit mains. Cost include all bends, clamps, screws, junctions, clippings, wire conduits, Cutting, plastering and concealed or open in manner slab/wall/ partitions and etc.	800	Rm		
3	Supplying and Laying of 2 runs of 4 sqmm FRLS PVC insulated multistraud copper conductor wire with 1 run 2.5 sqmm copper wire as earth wire with suitable conduit pipe with necessary fixing accessories etc. Cost include all bends, clamps, screws, junctions, clippings, Cutting, plastering wire conduits and concealed or open in manner slab/wall/partitions and etc. AC wiring.	240	Rm		
4	Supplying and Laying of 4 runs of 10 sqmm FRLS PVC insulated multistraud copper conductor wire with 2 runs 4 sqmm copper wire as earth wire with suitable conduit pipe with necessary fixing accessories etc. Cost include all bends, clamps, screws, junctions, clippings, wire conduits and concealed or open in manner slab/wall/partitions and etc. from 4Pole to UPS.	25	Rm		
5	Supplying and Laying of 2 runs of 10 sqmm FRLS PVC insulated multistraud copper conductor wire with 1run 4 sqmm copper wire as earth wire with suitable conduit pipe with necessary fixing accessories etc. Cost include all bends, clamps, screws, junctions, clippings, wire conduits and concealed or open in manner slab/wall/partitions and etc. from UPS to UPS DB.	75	Rm		
6	Supplying and Laying of 4 runs of 6 sqmm FRLS PVC insulated multistraud copper conductor wire with 2 runs 2.5 sqmm copper wire as earth wire with suitable conduit pipe with necessary fixing accessories etc. Cost include all bends, clamps, screws, junctions, clippings, wire conduits and concealed or open in manner slab/wall/partitions and etc.	10	Rm		
7	Supplying and Laying of 2 runs of 6 sqmm FRLS PVC insulated multistraud copper conductor wire with 1run 2.5 sqmm copper wire as earth wire with suitable conduit pipe with necessary fixing accessories etc. Cost include all bends, clamps, screws, junctions, clippings, wire conduits and concealed or open in manner slab/wall/partitions and etc.	10	Rm		
	POWER POINTS OUTLETS				

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Supply, Erection and Testing of 6A 3 pin socket 3 in no's and 6A switche's 3 in no's with suitable metal or plastic surface mounted box for Server control and all necessary fixing accessories, arrangements and etc. Cost include all hardwares, screws, internal wiring, tools and etc. (make ANCHOR ROMA)	42	Sets		
2	Supplying, Erection and Testing of 16A 3 pin socket 1 in no's and 16A switch 1 in no's with suitable metal or plastic surface mounted box for Raw power points and all necessary fixing accessories, arrangements and etc. Cost include all hardwares, screws, internal wiring, tools and etc. (make ANCHOR ROMA)	8	Sets		
3	Supplying, Erection and Testing of 6A 3 pin socket 1 in no's and 6A switch 1 in no's with suitable metal or plastic surface mounted box for Raw power and wall fan points with all necessary fixing accessories, arrangements and etc. Cost include all hardwares, screws, internal wiring, tools and etc. (make ANCHOR ROMA)	55	Sets		
4	Supply, Erection and Testing of 32A/25A/20A 3 pin Metal Clad plug and socket with 1 no of 32A/25A/20A SP MCB with suitable powder coated sheet steel enclosure with all necessary fixing accessories, arrangements and etc. Cost include all hardwares, screws, internal wiring, tools and etc.	8	Sets		
	LIGHT FIXTURES				
1	Supplying and fixing PHILIPS LED Green Square 2'0"x2'0" light fixture with all necessary fixing accessories, arrangements and etc. The size of the fixture as per the manufacturers standards and specifications. Unit – nos. Cost include all necessary accessories like chains, tools, all taxes & duties, hardwares, lead, lift, wastages, loading, unloading charges, transport and etc. (PHILIPS LED Green Square make of RC140B LED29S-6500 PSE WH)	19	Nos		
2	Supplying and fixing PHILIPS Green LED for down light with all necessary fixing accessories, arrangements and etc. The size of the fixture as per the manufacturers standards and specifications. Unit – nos. Cost include all necessary accessories like chains, tools, all taxes & duties, hardwares, lead, lift, wastages, loading, unloading charges, transport and etc. (PHILIPS make of Green LED BBS170 1XDLED-5000 PSU WH)	20	Nos		

BILL OF QUANTITY FOR PROPOSED INTERIOR, ELECTRICAL AND AIR CONDITIONING WORKS RELATED TO RENOVATION OF NON MOTOR CLAIMS HUB OF UNITED INDIA INSURANCE CHENNAI REGION.

S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
3	Supplying and Erection PHILIPS "Endura LED Batten" 20W fitting to be fixed from ceiling or wall with all necessary fixing accessories, arrangements and etc. Cost include all hardwares, hanging rods length as per site requirements, screws, clamps, lead, lift, all taxes & duties and etc. Make : PHILIPS MAKE of ENDURA LED BATTEN BN108C LED 20S PSU CDL WH with mounting accessories AC108P MB S.	8	Nos		
4	Supplying and Erection 27W PL light fitting to be fixed from ceiling or wall with all necessary fixing accessories, arrangements and etc. Cost include all hardwares, hanging rods length as per site requirements, screws, clamps, lead, lift, all taxes & duties and etc. Make : PHILIPS MAKE	2	Nos		
5	Providing and fixing 48" Ceiling fan of approved make to be fixed in ceiling with hanging rods, accessories and electronic regulator. Cost include all hardwares, hanging rods, regulator, screws, clamps and etc. Fan make & model to be approved by bank engineer/architect. Make Crompton Creaves	5	Nos		
6	Providing and fixing wall mounted fans of approved make to be fixed in wall or partition with electronic regulator. Cost include all hardwares, screws, clamps and etc. Fan make & model to be approved by bank engineer/architect. Make Crompton Creaves	17	Nos		
7	Providing and fixing 9" exhaust fan of approved make for ups and bath rooms to be fixed in grills or walls. Cost include all hardwares, screws, clamps and etc. Fan make & model to be approved by bank engineer/architect. Make Almonard.	1	Nos		
	EARTING				
1	Galaxy Maintenance Free Earthling Model No: GAL-502 Single Pipe Electrode (47mm dia pipe 2mtr long with moisture booster of 25 kg bag 1 No). Cost include 1'0"x1'0"x1'6" brick work chamber and 1'0"x1'0" RCC manhole with handle. Complete as per instructions of the Architect.	2	Nos		
2	Supply and Laying of No.8SWG copper wire from Earth pit to UPS/switch Board. Cost include all bends, clamps, screws, junctions, clippings, wire conduits and concealed or open in manner slab/wall/partitions and etc. Complete as per instructions of the Architect.	75	Rm		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
3	Supply and Laying 10 sq.mm FRLS PVC insulated copper cable and PVC conduits for UPS earth. Cost include all bends, clamps, screws, junctions, clippings, wire conduits and concealed or open in manner slab/wall/partitions and etc. Complete as per instructions of the Architect. (Make wires - POLYCAB FRLS wiring)	90	Rm		
	TELECOMMUNICATION				
1	Supply and laying of 2 pair telephone cable telecom box to EPABX system with suitable PVC conduit pipe. Cost include all bends, clamps, screws, junctions, clippings and concealed or open in manner slab/wall/ partitions and etc.	750	Rm		
2	Supply, Installation, Testing and Commisioing of Modular type 1Nos of RJ11 in PVC surface box with suitable Faceplate fixing the same in the wall/partitions with all accessories etc.	35	Set		
3	Supply and laying of 20 pair telephone cable krone connector to EPABX system with suitable PVC conduit pipe. Cost include all bends, clamps, screws, junctions, clippings and concealed or open in manner slab/wall/ partitions and etc.	50	Rm		
4	Supply and Fixing of 40 pair krone connector with enclosure. Cost include fixing all hardwares and accessories.	1	Set		
	OFFICE ELECTRICAL WORKS TOTAL				
	OFFICE DATA CABLING WORKS				
1	Supplying and fixing E-CAT6 cable with PVC conduit pipe from server to each computers including proper termination and marking with all necessary tags, accessories, arrangements and etc.. Cost include all bends, clamps, screws, junctions, clippings and concealed or open in manner slab/wall/partitions and etc.	850	Rm		
2	Supply, Installation, Testing and Commisioing of Modular type 1Nos of RJ45 Female Jack housed in PVC surface box with suitable Faceplate fixing the same in the wall/partitions with all necessary accessories, arrangements and etc.	42	Set		
3	Supply and fixing of 1M Mounting Cord. (Make - D LINK)	42	Nos		
4	Supply and fixing of 2M Mounting Cord. (Make - D LINK)	42	Nos		
5	Supply&Installation of 24 Port CAT 6 Switch with all necessary accessories, arrangements and etc. (D Link)	2	Nos		
6	Supply&Installation of 24 Port CAT 6 Jack Panel with all necessary accessories, arrangements and etc. (D Link)	2	Nos		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
7	Supply and Installation of 12U Wall Mountable Closed Rack with power adopter and multiple sockets along with the spick card with all necessary accessories, arrangements and etc.	1	Set		
	OFFICE DATA CABLING WORKS TOTAL				
	OFFICE AIRCONDITIONING WORKS				
1	Providing and Fixing Air-Conditioners split type including piping, installation with all necessary fixing accessories, arrangements and etc. Rate shall be inclusive of Sales-tax, octroi and all other taxes. High wall split Airconditioners with cordless remote, copper condenser of Carrier SUPERIA make 2 ton 5 star rated and 2 ton 4 star rated make/ Blue Star 5star rated model nos-5HW24MA make. Copper pipe of required length of upto 3 RM. The basic rate of A/C with all components to be quoted. Unit – rate per unit. Cost include all fixings accessories like touch-up plastering for neat finish, brackets, clamps, screws, wastages, lead, lift, tools, transport, loading, unloading charges, labour charges, scaffolding, gas charges and etc. Complete as per drawings and instructions of the Architect.				
	a) for 1.0 ton unit (Carrier 5star rated /Blue Star 5star rated)	2	Nos		
	b) for 1.5 ton unit (Carrier 5star rated /Blue Star 5star rated)	1	No		
	c) for 2.0 ton unit (Carrier 4star rated /Blue Star 5star rated)	3	Nos		
2	Supply and Fixing of Wall mounted Outdoor unit Stand with all fixing accessories, arrangements and etc. Cost include all accessories like screws, bolts, washers, anchor fastners and etc.	8	Nos		
3	Supply, installing, testing and commissioning of 4/5 KVA stabilizer for All split Hiwall Units with all necessary fixing accessories, arrangements and etc. Cost include all fixings accessories like screws, lead, lift, tools, transport, loading, unloading charges, labour charges, all taxes & duties and etc. (Everest make)	8	Nos		

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S.N	DISCRIPTION	QTY	UNIT	RATE	AMOUNT
4	Split AC Refrigerant Piping: (over than 3mts piping) Supply, Installation and testing of hard drawn, soft refrigerant piping size of 12mm/6mm suctions/liquids lines with Separation tube . The brazing to be Carried out with bleeding of nitrogen . The copper pipe to be insulated with 9mm thick/9mm thick Nitrile Rubber. Cost include all fixings accessories like Copper pipe concealed charges wherever required as per site conditions, wall cutting charges with special cutters, touch-up plastering for neat finish, brackets, clamps, screws, wastages, lead, lift, tools, transport, loading, unloading charges, labour charges, scaffolding, all taxes & duties, gas charges and etc. Complete as per drawings and instructions of the Architect.	40	Rm		
5	Supply, Laying and Testing of Power Cable between Indoor unit to Outdoor unit to be laied by using PVC Conduits of approved size, thickness and make. Cost include all fixing accessories like bends, clamps, screws, power cable concealed charges wherever required as per site conditions, wall cutting charges with special cutters, touch-up plastering for neat finish, hardwares, wastages, lead, lift, tools, transport, loading, unloading charges, labour charges, scaffolding, all taxes & duties and etc.	50	Rm		
6	Supplying and fixing Drain Out pipe to be provided from Indoor AC units to Outdoor drainage with 25mm PVC pipe fixed with all necessary fixing accessories, arrangements and etc. Cost include all fixings accessories like Drain pipe concealed charges in the wall wherever required as per site conditions, wall cutting charges with special cutters, touch-up plastering for neat finish, brackets, clamps, screws, wastages, lead, lift, tools, transport, loading, unloading charges, labour charges, scaffolding, all taxes & duties, bends, joints, ladder and etc. Complete as per drawings and instructions of the Architect.	50	Rm		
7	Removing and refixing 2.0/1.5 ton split/window acs	2	Nos		
	OFFICE AIRCONDITIONING WORKS TOTAL				

SUMMARY		
	OFFICE INTERIOR WORKS TOTAL	
	OFFICE ELECTRICAL WORKS TOTAL	
	OFFICE DATA CABLING WORKS TOTAL	
	OFFICE AIRCONDITIONING WORKS TOTAL	
	GRAND TOTAL	