



TICEL

TICEL BIO PARK LTD

**“TENDER FOR CREATING TICEL INNOVATION HUB (INCUBATION) AT
TICEL BIO PARK – III, MARUDHAMALAI MAIN ROAD, SOMAYAMPALAYAM
VILLAGE, ANNA UNIVERSITY CAMPUS,
COIMBATORE – 641 046**

VOLUME - II

BILL OF QUANTITIES (BOQ)

LAST DATE FOR SUBMISSION: ON OR BEFORE: 08.02.2024

TO BE SUBMITTED

**M/s.TICEL Bio Park Ltd
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TENDER SUBMITTED BY: M/s._____

Address_____

2024

Name of the work: Tender for Incubation space for Innovation Hub in TICEL Bio Park - Phase III, Coimbatore.

BILL OF QUANTITIES

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
A	CIVIL & INTERIOR WORKS:				
1	Construction of Solid Block Wall:				
1.1	Wall Partition - Entrance Side & Wall Partition: Supply & providing of wall using AAC Blocks & cement mortar for the required height and length. AAC Blocks shall be of thickness 100mm thick. The wall shall be plastered on both the sides with cement mortar of 1:4 using M Sand and cement with necessary scaffolding and curing.	Sqft	1058		
1.2	Wall Painting : Providing Painting by applying Two coats of putty, one coat of Primer and Two coats of Premium emulsion paint including finishing the wall surface smooth with necessary scaffolding as per approved make etc., complete	Sqft	1366		
2	FLOORING:				
2.1	Tile Flooring: Supply and laying of vitrified tiles for flooring using C:M 1:4, for 75mm (average) thick as base mortar, including pointing the joints with pigment to match the shade of the tiles, etc., complete Note: The basic price of Tiles is Rs.60/Sqft.	Sqft	2,625		
2.2	Skirting: Supply and laying skirting tiles with necessary cement mortar as per TICEL direction. Skirting shall be for a height of 100mm, etc., complete	Rft	71		

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
3	FALSE CEILING:				
3.1	Gypsum Board False Ceiling - Grid Ceiling: Providing & Fixing of Suspended gypsum board ceiling which includes G.I channels of size 0.55mm thick for Perimeter and Intermediate; 595mm x 595mm grids of 16mm thick boards is fixed to ceiling section with necessary scaffolding, etc., complete	Sqft	2,625		
4	Partition for Room Separations:				
4.1	Cement Board for partition: Providing and fixing 68 mm thick cement board partition : With 8mm thick cement board on both sides with 50 mm thick GI studs (0.55mm thick having one flange of 34 mm and another flange of of 36 mm made of GI steel) placed at 610mm centre to centre in 50mm floor and ceiling channel (0.55mm thk having equal flanges of 32mm made of GI steel) with joints staggered on each layer to avoid through joints, etc., complete	Sqft	2519		
4.2	Partition Painting: Providing Painting by applying Two coats of putty, one coat of Primer and Two coats of Premium emulsion paint including joint mesh & putty works, finishing the wall surface smooth with necessary scaffolding as per approved make etc., complete	Sqft	5038		
5	DOORS				
5.1	Flush Door: Supply and Fixing of Flush Doors. The flush doors shall be of 30mm thick, both the sides have laminated finish, required beeding on all sides, the doors shall have mortis lock, handles along with a door closer. The Door shall have Frame in plywood and laminate finish etc., complete Size: 3 Feet x 7 Feet.	Each	12		
5.2	Main Door (Glass Doors): Supply and fixing of Glass Door with 12mm thick Toughned Glass with the necessary Door Fittings of handles, floor spring. The door shall be single leaf with wooden frame for the door opening made up of plywood laminated finish, etc., complete Size: 3 Feet x 7 Feet – 2 Nos.	each	2		
	SUB TOTAL (A)				

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
B	PLUMBING WORKS				
1	<p>Sink: - Supply and fixing of Sink to fit in the Granite Top Table in every room. Basic cost of sink shall be of Rs.3000 per piece. The work shall include the bottle trap, necessary tap, connection tube, angle cock, waste hose with necessary hardware's and required plumbing connections, etc., complete</p> <p>Size of Sink shall be 2 Feet x 1.5 Feet x 9 Inches.</p>	Each	9		
2	<p>Inlet Piping: Supply and fixing of 25mm dia PVC pipes with necessary fittings of couplings, union, elbow and bends if any, etc., complete</p>	Rmt	60		
3	<p>Drain Piping: Supply and Installation of 32mm dia CPVC pipes for the drain outlets from the sink and the pipe shall be connected to the existing outlet in the building with necessary fittings, etc., complete</p>	Rmt	100		
	SUB TOTAL (B)				

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
C	FIRE SYSTEM				
	FIRE SPRINKLER SYSTEM				
1	MS Piping				
	Supply and fixing, Testing and Commissioning of C class MS Pipe with all necessary fittings including elbow, bends, joineries, hangings from ceilings with necessary anchor fasteners with rod as per the site conditions and necessary painting of two coats.				
	a) 80 mm dia	Rmt	6		
	b) 65 mm dia	Rmt	12		
	c) 50 mm dia	Rmt	12		
	d) 32 mm dia	Rmt	90		
	e) 25 mm dia	Rmt	25		
2	Sprinklers				
	Supply, fixing, Testing & commissioning of Standard Response Standard coverage upright/pendent Type Sprinklers 15mm Size, BSPT end connection with 68 Deg.C.Temp. rating, K - 5.6 with UL approved.	Each.			
3	SS Flexible Dropper For Sprinkler				
	Supply and fixing of SS corrugated flexible hose for sprinklers below false ceiling of required length to connect the sprinklers.	Each.	21		
4	Flow switches				
	Supply and fixing of Flow switches for sprinkler system. Flow switch shall have a paddle made of flexible material of the width to fit within the pipe bore. The terminal box shall be mounted over the paddle/ pipe through a connecting socket. The switch shall be potential free as per site conditions.	Each	1		
5	Ball Valve				
	Supplying & fixing, Testing & commissioning of Gun metal chrome finished Ball valves of size 25 to 50 mm with necessary fittings for draining water.	Nos.	2		
6	Pressure Gauge				
	Supplying and fixing, testing and commissioning dial type Stainless Steel Pressure Gauge (100 mm) with SS casing ,SS bourdon tube suitable for working pressure of 250 PSI, including nipples as required.	Nos.	1		

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
	FIRE ALARM - Conventional				
7	Main Control Panel				
	Supply and fixing, Testing & commissioning of Fire Panel with battery- 4 Zone	Each.	1		
8	Smoke Detectors				
	Supply and fixing & Testing & commissioning of Photo Electric optical smoke detectors below false ceiling.	Each.	32		
9	Manual call stations				
	Supply and fixing & Testing & commissioning of Manual Push Button Call station point with Twin LED Blink Light	Each.	2		
10	Fire Hooter				
	Supply and fixing, Testing & commissioning of Electrical Fire Hooter	Each	2		
11	Cabling				
	Supplying & laying Control cabling for fire alarm systems with FRLS copper armored cable of 2C X 1.5 Sq.mm with ISI marked including junction boxes, cable glands, clamps, screws etc.	Rmt	130		
12	Supplying & Fixing of Fire Extinguisher – 2 Kg of CO ₂	Each	2		
	SUB TOTAL (C)				

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
D	ELECTRICAL & NETWORKING WORKS				
I	DISTRIBUTION BOARDS				
1.1	Supply and fixing, Testing and Commissioning of three phase, 6 way Vertical DB, Double door type, IP 42 powder coated comprising of "C" curve MCCB's - RAW Power and Main DB I / C - 100 A TPN MCCB - 1 No; O / G - 32A TP MCB - 5 Nos; O / G - 63A TP MCB - 1 Nos. Including all interconnections and other accessories etc as required.	Each	1.00		
1.2	Supply, fixing, Testing and Commissioning of single phase, 6 way TP DB, double door type, IP 42 powder coated comprising of "C" curve MCB's for LDB. I / C - 63A DP MCB - 1 No. O / G - 6-25A SP MCB - 18 Nos; Including all interconnections and other accessories etc as reqd .	Each	1		
1.3	Supply, fixing, Testing and Commissioning of single phase, 12 way SPN DB, double door type, IP 42 powder coated comprising of "C" curve MCB's for LDB. I / C - 40A DP MCB - 1 No; O / G - 6-25A SP MCB -10 Nos; Including all interconnections and other accessories etc as reqd .	Each	1.00		
1.4	Supply, fixing, Testing and Commissioning of 4 way enclosure box of 32 A	Each	1.00		
2	Supply, Laying, Testing and Commissioning of 1100V PVC insulated XLPE and sheathed Armoured Aluminium Conductor cables laid over MS supports / Cable racks / fixing of walls including clamping cable to the support in all approved manner.				
2.1	4C x 35 Sq mm XLPE Armoured Aluminium Cable (VTPNDB)	Rmt	25.00		

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
3	Supply, fixing, Testing and Commissioning for the following sizes of 1100V PVC insulated Copper conductor cables including providing single compression type cable gland copper sockets for copper cables, crimping lugs, insulation tape including gland				
3.1	4R x 10 Sq mm CU wire	Rmt	4.00		
3.2	1R x 6 Sq mm CU wire	Rmt	4.00		
4	SUB - MAINS		-		
4.1	Supply and laying of 4R x 10 sqmm and 1R x 6 Sq mm PVC insulated unarmoured sheathed FRLS flexible multistrand copper wire (VTPNDB to CSU)	Rmt	20.00		
4.2	Supply and laying of 3R x 6 sqmm PVC insulated unarmoured sheathed FRLS flexible multistrand copper wire (VTPNDB to LDB)	Rmt	20.00		
4.3	Supply and laying of 3R x 2.5 sqmm PVC insulated unarmoured sheathed FRLS flexible multistrand copper wire	Rmt	250.00		
4.4	Supply and fixing of 3R x 4 sqmm PVC insulated unarmoured sheathed FRLS flexible multistrand copper wire	Rmt	250.00		
4.5	Supply and fixing of 3Rx1.5sqmm PVC insulated FRLS copper wire with 19/25mm dia conduit along with other associated accessories as required as per site conditions.	Rmt	250.00		
4.6	Supply and fixing of 1 no 16A switched socket with moulded front plate GI anodised enclosure and other accessories including as required as per the site conditions.	Each	30.00		
4.7	Supply and fixing of 2 nos 10 A sockets & 2 nos 10 A switched socket with moulded front plate GI anodised enclosure and other accessories including as required as per the site conditions.	Each	50.00		

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
5	Supply, fixing, Testing and Commissioning of MS pipe ,casing / trays including tees, right angle bends, junction box etc., including all fixing accessories etc., of the following sizes as required as per the site conditions.		-		
5.1	100mm x 75mm MS Trays	Rmt	4.00		
5.2	25 mm MS pipes for conduits (Class C pipe)	Rmt	200.00		
5.3	19 mm MS pipes for conduits (Class C pipe)	Rmt	150.00		
6	Supply and fixing, testing and commissioning of light fixtures as per drawings and specifications with all other accessories such as supporting rods / frames, anchor fasteners, necessary hardware for installing the chokes ignitor and complete set, etc.				
6.1	Full glow light 2x2 Panel 36w, Efficiency 100 lm/W. Running hours 25000 hrs , Ambient Temperature 45°.	Each	56.00		
6.2	15 W LED Ultra glow, ceiling downlight (Square, Natural white)	Each	14.00		
6.3	Supply & laying of 8 SWG bare Cu. Wire for earthing	Rmt	40.00		

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
7	POINT WIRING				
	Supply and fixing, testing and commissioning of wiring with all the required material for the following points with FRLS insulated, multi stranded flexible copper conductor 1 sqmm 1100 Volts grade wires in concealed or surface mounted 25 /32 mm diameter, 1.6mm thick PVC rigid / flexible conduit inclusive of ON/OFF Modular type switch wherever applicable and earthing of 1.6 mm thick GI modular switch box and fixtures by means of FRLS insulated, 1 sq mm multi stranded flexible copper conductor earth continuity conductor laid in common conduit including connections as required. Wiring include all necessary associated hardware including ferrules at both end etc. as per the specifications				
7.1	6A Switch for Primary Light Point with required length of wire.	Each	37.00		
7.2	Secondary Light Point looped from primary light point with required length of wire.	Each	14.00		
7.3	Exhaust fan point controlled by individual 6 A switch with socket.	Each	3.00		
7.4	Supply and fixing of Raceways 2MM thickness GI 100MM*40MM	Rmt	150		
7.5	Supply and fixing of Raceways 2MM thickness GI 50MM*40MM	Rmt	100		
7.6	Supply and fixing of Raceways Junction Boxes with cover 2MM thickness GI 300MM*300MM*45MM	Nos	20		
7.7	Supply and fixing of Raceways Junction Boxes with cover 2MM thickness GI 200MM*200MM*45MM	Nos	20		
7.8	Supply and fixing of 2MM thickness PVC pipe including necessary accessories (bend, coupling, tee, Elbow, Clamps, etc.,)	Rmt	150		
7.9	Supply and fixing of 8SWG Cu wire for Earthing	Rmt	100		

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
8	NETWORKING				
8.1	Supply & fixing steel box duly recessed in wall /work station partition complete with RJ 45 type socket outlet (1 for data / 1 for voice) in cover, complete with junction box, front plate, socket etc. in everyway. dlink	Each	56		
8.2	Supply & fixing of "CAT-6 " cables in existing conduit / raceway .dlink	Rmt	800		
8.3	Supply & fixing of 24x2 port dlink jack panel, 24 x 2 port un managed switch with 9 u server rack and connections as required. Wiring include all necessary associated hardware including ferrules at both end etc. as per the specifications	Each	1		
8.4	2 Mtr patch cord dlink	Each	56		
8.5	1 Mtr patch cord dlink	Each	56		
	SUB TOTAL (D)				

- *i) All DB should be double earthed
- ii) PDB & LDB must be fixed for ELCB

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
E	AIR CONDITIONING				
1	Ducting work				
	Supply, fabrication, installation, testing and commissioning of GSS factory fabricated duct as per drawings. The price shall include with supports such as full threaded rod & GI slotted channel including nut bolt fastener or MS angle & MS rod including nut bolt fastener, sealant (neoprene gasket), etc complete as required.				
1.1	24 Gauge GI Duct	Sq Mt	130		
1.2	22 Gauge GI Duct	Sq Mt	45		
2	Acoustic Insulation in Ducts				-
	Supply, Installation, Testing and Commissioning of Acoustic lining inside ducts using Non Fibrous fire retardant cross-linked elastomeric insulation foam of 30+/- 3 Kg/m ³ density & thickness of 10mm thick Oxide Acetate Acco Isolate having porous surface on one side & a flat surface on other side using Synthetic rubber based Adhesive preferably Low VOC & high strength characteristic (Initial portion of ducting and main plenum) as per specifications	Sq Mt	10		
3	Thermal Insulation on Ducting				
	Supplying and fixing of 9 mm thick duly laminated aluminium foil of mat finish closed cell Nitrile rubber (class "O") insulation on existing duct after applying Suitable adhesive for nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required.	Sq Mt	200		

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
4	Diffusers / Grills				
4.1	Supply & installation of extruded aluminium powder coated Diffusers/ Grills. For Spplly Air. Size: 600mmX600mm.	Each	20		
4.2	Supply & installation of extruded aluminium powder coated Diffusers/ Grills. For Return Air. Size: 600mmX600mm.	Each.	17		
5	Collar damper				
	Supply, installation, testing and commissioning of Aluminium Collar dampers with key operated of anodised black painted matt finished in supply air grilles / Return air grille.	Each	15		
6	Volume Control Damper				
	Supply, installation, testing and commissioning of Aluminium extruded volume control dampers with key operated of anodised black painted matt finished in supply air grilles / Return air grille.	Sq Mt	1		
7	FLEXIBLE DUCT CONNECTOR CANVAS:				
	Providing & fixing of flexible (Fire Proof) connection between each duct type indoor unit and ducting complete as required.	Nos	2		
	SUB TOTAL (E)				

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
F	FURNITURES				
1	Linear Work Stations:				
1.1	Supply and fixing of Linear Work stations made out of Novopan board Top and MS Legs. Each Set of Table Size is as follows: Size - 4 Feet x 2 Feet x 2.5 Feet. Each work station shall be separated using a Half Round 8 mm glass fix to the table. A pedestal with a drawer and a storage provision shall be provided for each table; Size: Length 1.5 Feet x Depth 1.5 Feet x Height 2.25 Feet.	Each	16		
1.2	Chairs: - Supply of Chairs as decided by TICEL.	Each	16		
2	Cabin furniture:				
2.1	Cabin Table: Supply and fixing of Table made out of Prelaminated Board with MS Powder coated Legs. Table Size is as follows: Length 5 Feet x Width 3 Feet x Height 2.5 Feet. A pedestal with a drawer and a storage provision shall be provided for each table; Size: Length 1.5 Feet x Depth 1.5 Feet x Height 2.25 Feet.	Each	8		
2.2	Chairs: - Supply of Chairs as decided by TICEL.	Each	8		
2.3	Lab working table with Granite Top: Supply and Fixing of Working Tables. The table shall of GI Sheets with powder coated finish in desired colour. The Top shall be of Granite of 20mm thickness. The table shall have drawer and storage at the bottom. The table shall be placed along the wall with necessary opening provision for fixing of sink and provide the beading at the edge of the granite. Size: L 10 Feet x D 2.5 Feet x H 3 Feet.	Each	8		

Sl. No.	Description	Unit	Qty (Q)	Rate per Unit (R)	Total (Rs.) Q x R= T
3	Discussion Room furniture:				
3.1	Discussion Table: Supply and fixing of Discussion Table made out of Prelaminated board with MS Legs powder coated for finish. Size: Length 9 Feet x Width 4 Feet x Height 2.5 Feet.	Each	1		
3.2	Chairs: - Supply of Chairs as decided by TICEL.	Each	6		
4	Reception Furnitures:				
4.1	Reception Table: Supply and fixing of Reception table made out of Prelaminated board with MS Legs powder coated for finish. Size: Length 6 Feet x Width 4 Feet x Height 2.5 Feet.	Each	1		
4.2	Chairs: - Supply of Chairs as decided by TICEL.	Each	6		
4.3	Sofa - 3-Seater: Supply and Installation of one 3-Seater Sofa. The Sofa shall be made out of Rexin. With foam for cushion. The legs shall be made of Wood base. Size:	Each	1		
4.4	Sofa - Single Seater: Supply and Installation of one Single Seater Sofa. The Sofa Shall be made out of Rexin. With foam for cushion. The legs shall be made of Wood base. Size:	Each	1		
5	Pantry Furnitures:				
5.1	Pantry Table: Supply and fixing of Table for pantry Area made out of Prelaminated board with MS Legs powder coated for finish. Size: Length 10 Feet x Width 3 Feet x Height 2.5 Feet.	Each	1		
5.2	Chairs: - Supply of Chairs as decided by TICEL.	Each	1		
	SUB TOTAL (F)				

CONSOLIDATED TOTAL VALUE SHEET

Description	Value (Rs.)
A) CIVIL & INTERIOR WORKS:	
B) PLUMBING WORKS	
C) FIRE SYSTEMS	
D) ELECTRICAL & NETWORKING WORKS	
E) AIR CONDITIONING	
F) FURNITURES	
TOTAL	
Add GST (18%)	
GRAND TOTAL	

Note: The quoted rates are inclusive of Necessary manpower, materials, tools & equipments, any welding, any core cutting, scaffolding, transportation, shifting, lifting, wastage, hardware fixtures, waste disposal from site, testing, commissioning with workable conditions. Submitting the execution drawings and 3 set of as built drawings including soft copy and hardcopies.

Contractor has to take full responsible for the safety of their labour and their materials

CONTRACTOR

LIST OF APPROVED MAKE

S.NO	Item	Make
A	CIVIL & INTERIOR WORKS:	
1	Construction of Wall using AAC Blocks	a) Block: AAC b) Size: 600mm x 200mm x Thickness 100mm c) Cement: Ultra Tech/ Coromandel/ ACC or its equivalent
2	Painting	Make: Asian/Nippon/Berger or its equivalent
3	Floor Tiles & Skirting Tiles	Make: Johnson/Somany/Kajaria or its equivalent
4	False ceiling	Make: Saint-Gobain/ Armstrong or its equivalent
5	Cement Board for partition	Make: Bison/Century Aykron or its equivalent
6	Flush Door	a) Door Make: Century/Green Ply or its equivalent b) Fittings Make: Doorset/Dorma XLC/Ozone or its equivalent
7	Glass Door	a) Glass: Saint-Gobain or its equivalent b) Fittings: Doorset/Dorma XLC/Ozone or its equivalent
B	PLUMBING WORKS	
1	Sink	Make: Hindware/ Parryware/ Jaguar or its equivalent
2	PVC pipes and CPVC pipes	Make: Ashirvad/ Finolex/ Astral or its equivalent
C	FIRE SYSTEM	
1	MS Pipe: 80mm dia	Gauge: MS class C Heavy Duty pipe as per IS: 1239
2	MS Pipe: 65mm dia	Gauge: MS class C Heavy Duty pipe as per IS: 1239
3	MS Pipe: 50mm dia	Gauge: MS class C Heavy Duty pipe as per IS: 1239
4	MS Pipe: 32mm dia	Gauge: MS class C Heavy Duty pipe as per IS: 1239
5	MS Pipe: 25mm dia	Gauge: MS class C Heavy Duty pipe as per IS: 1239
6	Sprinkler	Make: Tyco or its equivalent
7	Flow Switch	Make: Honeywell or its equivalent
8	Ball Valve	Make: Zoloto / Amco/NewTech or its equivalent
9	Pressure Gauge	Make: Excel / Baumer/ Mass/ Wika or its equivalent
10	Fire Alarm Control panel	Make: Bosch/Honeywell Morley/ Ravel or its equivalent
11	Smoke Detectors	Make: Bosch/Honeywell Morley/ Tyco/ Ravel or its equivalent
12	Manual call stations	Make: Bosch/Honeywell Morley/ Tyco/ Ravel or its equivalent
13	Fire Hooter	Make: Bosch/Honeywell Morley/ Tyco/ Ravel or its equivalent
14	FRLS cu armored cable	Make: Havells/Polycab/Finolex or its equivalent
15	Fire Extinguisher	Make: Kannex/ Ceasefire or its equivalent

C	ELECTRICAL & NETWORKING WORKS	
1	DISTRIBUTION BOARDS	Make: Legrand/ Schneider/MK or its equivalent
2	Enclosure box	Make: Legrand/ Schneider/ MK or its equivalent
3	Armoured Aluminium Cable	Make: Polycab/Havells or its equivalent
4	PVC insulated unarmoured sheathed FRLS flexible multistrand copper wire	Make: Polycab/Havells or its equivalent
5	Switches & sockets	Make: Anchor Roma/Legrand/MK or its equivalent
6	PVC pipe	Make: Ashirvad/ Finolex/ Astral or its equivalent
7	Full glow light 2x2 Panel 36w	Make: Wipro/ Crompton/Philips or its equivalent
8	15 W LED Ultra glow Light	Make: Wipro/ Crompton/Philips or its equivalent
9	Networking steel box with RJ 45 type socket outlet	Make: Molex/Legrand/NEC/Syntel or its equivalent
10	"CAT-6 " cables	Make: Molex/ Legrand /Ubigeat/Maximm or its equivalent
11	24x2 port jack panel	Make: Molex/ Legrand /Dlink or its equivalent
12	Patch cord	Make: Molex/ Legrand /Dlink or its equivalent
13	MS Conduit & Accessories	Make: Gupta or Equivalent

E	AIR CONDITIONING	
1	Ducting work	Make: Tata / Sail / Jindal or its equivalent
2	Acoustic Insulation in Ducts	Make: Armaflex/ Aeroform/ or its equivalent
3	Thermal Insulation on Ducting	Make: Armaflex/ Aeroform/ or its equivalent
4	Aluminium powder coated Diffusers/Grills	Make: Caryaire / Systemair -Cosmic / Air flow or its equivalent
5	Aluminium Collar dampers	Make: Caryaire / Systemair -Cosmic / Air flow or its equivalent
6	Aluminium extruded volume control dampers	Make: Caryaire / Systemair -Cosmic / Air flow or its equivalent

F	FURNITURES	
1	Plywood/Laminates	Make: Century/Greenlam/ Archidply or its equivalent
2	Chairs	Make: Featherlite/Transteel or its equivalent
3	Laminates/Mica	Make: Century/Merino/Virgo or its equivalent
4	Prelaminated board	Make: Merino/Century or its equivalent
5	Fitting for Storage & Drawer	Make: Epc0/Hettich/Godrej or its equivalent

Note: Pre-approval should be obtained from TICEL for any equivalent brands.