

SUMMARY SHEET		
TURNKEY DATA CENTRE INTERIOR & RELATED WORKS FOR INDIAN BANK- 2ND FLOOR , 66, RAJAJI SALAI, CHENNAI		
S.NO	DESCRIPTION	AMOUNT
1	Interior work -----(A)	
2	Electrical work -----(B)	
3	Precision Airconditioning work -----(C)	
4	IBMS – (Sum of total of D1 to D8) -----(D)	
	GRAND TOTAL	

(in words.....)

INTERIOR WORK FOR DATA CENTRE INDIAN BANK 2ND FLOOR , CHENNAI

Sr.No	Description	Unit	Qty	RATE		AMOUNT	
				Supply	Labour		
1	supplying & laying of of 19 mm thick self adhesive aluminum foil face nitril rubber insulation for server room floor & ceiling.	sqft	3100				
2	False Flooring only in Server room.	sqft	1200				
	Providing & Fixing of The server & other required area should be equipped with raised floor with 600 mm (24 inch) height. Cavity floor shall have false flooring panels of 18 gauge steel 600 x 600 coated with 50 micron epoxy conductive paint. Floor shall be finished with 2mm thick antistatic high pressure laminate with 2mm thick PVC trim edge all-round. The interior of the panels shall be filled with non-combustible cementitious compound.as per standard load confirming to BIS 875-1987.						
3	Metal False Ceiling only in Server Room: - Providing & Fixing of False ceiling shall be provided with Armstrong Lay in (Hot dipped galvanized steel) metal ceiling system 600 x 600 x 5mm with standard perforation of 2.5 mmdia (16% open space) and fleece with NRC of 70 & CAC 36 to be laid on Armstrong grid system. Armstrong Orcal Lay in metal ceiling System consisting of 600x600mm Lay in tiles of pre coated galvanised steel in 0.5 mm thickness in white colour with standard perforation of 2.5mm dia & open area of 16%. The back of the tile should have black acoustical fleece with NRC of 0.70 & CAC 36 to be laid on Armstrong grid systems with 15mm wide T - section flanges Colour white having rotary stitching on the Main Runner, 1200 mm & 600 mm Cross Tees, fixed to the structural soffit by Butterfly clip hangers, suspension wires & anchor fasteners as per the manufacturer's specification. Suspension wires to be provided at every 600mm c/c with two nos of ties on each anchor fastener, Perimeter trim of Trulok wall angle in white colour secured to wall at 450mm maximum centers.	sqft	1200				
4	Supply and fixing Fire Rated Glass - 6mm thk with frost flim and 12mm thk fire retardant ply wood 3" wide paint finish etc complete.,	sqft	80				
5	Doors						
	Doors for Server room, Battery room, UPS room, FM room should be 2 hr fire rated metal door with size as per drawing and requirement.						
	Server Room Main Door - 1500mmx2400mm -Double Door	No.	1				
	UPS/Panel Room - 1800mmx2400mm - Double Door	No.	1				
	Door Between Phase1 & Phase2 Server Rooms -1500mmx2400mm -Double Door	No.	1				

	Emergency Server Rooms Exit-1200mmx2400mm - Double Door	No.	1				
6	Providing & Fixing of Plaster of Paris paste of thickness 5 - 8 mm punning over cement plaster shall be provided so as to ensure a level and smooth texture to the exposed walls and columns. The existing surfaces are to be cleaned and scratched and markers are kept before the application of punning material. After the material has dried upon application it is to be smoothed by means of rubbing it with sandpaper(only on Brick Wall)	sqft	4943				
7	Paintings						
	Providing & Applying plastic emulsion paint .This will be applicable for all vertical plane surface (Fire retardent)	sqft	5838				
8	SHOE RACK: -Shoe Rack with seating approved by end user as per catalogue of preferred makes.	No.	1				
9	GLOW SIGNAGE:- Providing & fixing glow signage on both sides of the door shutters marking PUSH / PULL along with other signage marking different work areas and emergency signs.	No.	10				
10	Trench work	Lot	1				
11	Ramp - 2000mmx1800mm	No.	1				
12	MS Step	No.	1				
13	Supply of Tile Puller	No.	2				
14	Supply and fixing MS Base Frame for UPS/PANELs	No.	7				
15	Supply and laying Antistatic mat / Rubber Mat in electrical room - 1000mm wide 20mm thick Rubber Matting suitable for 1100 Grade	Rmt	16				
	Sub total						
	Vat @% of supply						
	Service tax @% of Installation						
	Grand Total for (Supply + Installation) ---- (A)						

ELECTRICAL WORK FOR DATA CENTRE INDIAN BANK 2ND FLOOR , CHENNAI							
SR. no.	DESCRIPTION OF MATERIAL	Qty.	Unit	Rate		Amount	
				Supply	Installation	Supply	Installation
PART - I : PANELS AND DISTRIBUTION BOARDS.							
a	Supply, Installation, Testing and Commissioning of Following Panels and DB's with proper gauge MS sheet and shall comply with IS standards.						
b	Main Panels and Sub Panels will have standard meters and phase indicators.						
c	All BusBar will be of Copper .						
1	DC LT Panel						
	Incomer						
	400A 4P MCCB --- 2 Nos.						
	BUSCOUPLER						
	400A 4P MCCB--- 1 Nos.						
	Outgoings						
	250A 4P MCCB--- 2 Nos.						
	100A 4P MCCB--- 4 Nos.						
	63A 4P MCB---2 Nos.						
	40A 4P MCB---4 Nos.						
	10A DP MCB---2 Nos.						
	Including, load manager with BMS compatibility, Phase indicators, ON, OFF and Trip Indicators.	2	Set				
2	W/S UPS O/P Panel						
	Incomer						
	100A 4P MCCB - 2 NO's						
	Outgoings						
	63A 4P MCB---2 Nos.						
	10A DP MCB---10 Nos.	1	Set				
3	UPS DB / PDU						
	Incomer						
	250A 4P MCCB --- 1 Nos.						
	Outgoings						
	25A DP MCB - 30Nos.	2	Set				
4	ELDB	1	Set				
5	Manual Change over over switch - 100A	3	Set				
	Total Part - I						
PART - II : CABLES AND TERMINATION. (ALL CABLES SHALL BE FRLS)							
Notes	The rates for all item of work shall include :-						
a	Effecting proper and adequate connections at terminations.						
b	Ensuring that provision is left in building components and trenches as the work proceeds for incorporation of cable supports at a later date.						
c	Providing all fixing accessories such as clamping devices, Tie's, nuts and bolts, screws where laid in trenches or trays.(Not to consider Trays and Trenches rates, it will be paid Separatly)						
d	Providing proper supports for cable terminal boxes .						
e	Providing heavy duty copper lugs, insulation tape etc. at joints and terminations.						

f	All fixing accessories such as GI saddles, screws, raw plugs, suitable size Anchor Fasteners etc.						
g	Wire/Cable Joint by crimping type lugs.						
h	Cutting chases, holes and making good the same wherever required. (Not Valid for any Concrete Slab)						
i	Testing of the Cables in the Manufactures works and providing test certificates with the handover documents is the sole responsibility of the Contractor.						
1	1C x 120 Sq.mm Cu flex	540	Mtr				
2	1C x 95 Sq.mm Cu flex	450	Mtr				
3	4C x 25 Sq.mm Cu flex	129	Mtr				
4	4C x 10 sqmm Cu Arm	180	Mtr				
5	3C x 6 sqmm Cu flex FRLS	960	Mtr				
	AIR INSULATED BUSBAR TRUNKING (Only for Rack Power Distribution)						
6	200A, BBT RYB2N	50	Mtr				
7	200A, BBT RYB2N	70	Mtr				
	Terminations for Cable						
8	1C x 120 Sq.mm Cu flex	72	No.				
9	1C x 95 Sq.mm Cu flex	90	No.				
10	4C x 25 Sq.mm Cu flex	36	No.				
11	4C x 10 sqmm Cu Arm	18	No.				
12	3C x 6 sqmm Cu flex FRLS	192	No.				
	Total Part - II						
	PART - III :CABLE TRAYS						
Notes	The rates for all item of work shall include :-						
a	Supply and Installation with all necessary supports and hardware.						
b	The work should be carried out as specified in the specification sheet.						
c	Colour of the Trays has to be confirmed by the customer.						
1	70mm x 200 mm wide perforated powder coated black color	200	Mtr				
2	100mm x 450 mm wide perforated powder coated black color	100	Mtr				
	Total Part - III						
	PART-IV : POINT WIRING AND CONDUITING WORK						
Notes :	These notes shall apply to all the relevant wiring items described in the schedule of items given below :-						
a	All points wiring, circuit wiring, sub mains wiring shall be done using rigid PVC conduits of minimum 1.6mm thickness and shall comply with IS 2509 of 1973 or amendments there of and FIA approval.						

b	All switch boards under the point wiring shall be the standard boxes available and the same shall be suitable for concealed work. The boxes should be of Electro Plated as per the Manufactures standard practice and should be suitable to accommodate number of control switches fan regulators, sockets.						
c	The entire wiring shall have continuous 2.5 sq.mm. approved make FR Copper conductor earth wire for earth continuity having Green colour in 660/1100 volts grade.						
d	The point wiring shall comply to IS 732.						
e	The entire work has to be carried out under the direct supervision of PMC/Prime Contractor.						
f	All materials under this schedule shall deemed to be included by the Contractor in his scope.						
g	The entire work to be carried out as per the specifications laid down in the tenders, approved drawings, and as per final directions of PMC.						
h	The point wiring shall include wiring of light outlet of any length from distribution board via switch or to the point and including providing circuit wiring, in minimum 25 mm dia PVC Conduit of 1.8 mm and using wires as specified below of approved make.						
1	LPDB/RDB for lighting						
	4 way TPN DB Double door 1no.						
	32A TPN ELMCB 1no.						
	20A SP MCB 6 nos.	2	Nos				
2	UPS DB for lighting						
	32A TPN 1no. MCB						
	16A DP MCB 6 nos.	1	Nos				
3	Primary point from MCB/ 5A Switch with 3 x 2.5 sqmm wire	6	Nos				
4	Secondary Point Looped from item 4.3	14	Nos.				
5	Primary point for Raw power with 3 x 4sqmm wire	6	Nos				
6	Secondary point looped from item 4.5	12	Nos				
7	5A Switch with plate and back box	10	nos				
8	5/15A Socket + 15 A switch with all accessories	8	nos				
9	3 nos.5 pin 5 A socket + 15 A switch with all accessories	4	nos				
	Total Part - IV						
	PART-V : LIGHTING FIXTURES & AND ACCESSORIES.						
Notes :	The rates for lighting fixtures and fans shall include all accessories and supply of all materials that may be required to make the fixture complete in all respects such as :-						
a	All the fixtures shall be suitable for single phase, 50 cycles, 230 Volts, AC supply system.						
b	All light fixtures shall be provided with Electronic ballast as described in the schedule.						
c	All fixtures shall be factory wired with copper conductor wires.						
d	All fixtures shall be supplied with fluorescent lamps/incandescent bulbs or any other special type bulbs						
e	All the fixtures shall be quoted of approved make only.						

1	4 x 18 watts 2' x 2' Ceiling suspended light fixtures with						
	Tubes and all accessories (418 M5 HF)	24	nos.				
2	1 x 36 watts industrial type tube fitting with all accessories (136 HPF)	10	nos.				
3	PL Fittings 2 x18 watts with Tubes and all accessories (218)	4	nos.				
Total Part - V							
PART-VI : MOBILE SOCKETS AND STRAIGHT PLUGS.							
a	All the mobile sockets and straight plugs should be of IP 44 type and of approved make.						
	All the mobile sockets and straight plugs should be of IP 44 type and of approved make.						
1	32A DP+E Mobile Socket with plug OR Fixed type socket Suitable for fixing on BBT	66	Nos				
2	63A DP+E Mobile Socket with plug OR Fixed type socket Suitable for fixing on BBT	4	Nos				
3	63A DP+E Mobile Socket with plug OR Fixed type socket Suitable for fixing on BBT - 3Phase	4	Nos				
Total Part - VI							
PART - VII : EARTHING AND EARTHING STRIPS.							
a	All earth pits shall be as per IS 3043 with latest amendments.						
b	Earthing stations should contain relevant grade of charcoal/coke and salt packed around the earth plate/earth pipe as called for in the item.						
c	Earthing shall be done at indicted location by the Consultants. The minimum distance between the two earth station shall be 3 meters and that from the building is 2500 mm.						
d	An earth ring with relevant earth test terminal boxes shall be provided at regular intervals.						
e	Adequate number of earth strips with proper sized holes shall be provided for extending earthing/looping earth connections at various floors shall be provided and executed as per the requirement.						
f	The Contractor has to provide heavy duty Cover of size 450 x 450 x 8 mm thick to the Earthing Chamber.						
g	The cover is to be sand blasted and then Powder coated using Matt Jet Black Colour. The Cover is to be fabricated using 8 mm thick Chequered Plate.						
1	Earthing pits with 600 x 600 x 6mm Copper Plate earth upto 10 feet deep with all accessories(Dedi. for UPS)	4	nos				

2	6 sqmm braided copper tape for gride earthing	50	mtr				
3	8 swg bare cu wire	25	mtr				
4	25 x 3 copper Strip for Earthing of panel	50	mtr				
5	1c x 6 sqmm cu flexible (Green Colour)	70	mtr				
6	Dedicated Earthing Box with 50mm x 10mm x 200mmLenght	2	nos				
7	150x150x3mm Danger Notice Board & 415 Enameled Danger Board	1	nos				
8	Shock Treatment chart with Frame In Local & English Language	1	nos				
9	First Aid Medical Box	1	150				
10	1000mm wide 20mm thick Rubber Matting suitable for 1100 Grade	12	mtr				
	Total Part - VII						
	TOTAL Value						
	VAT @% of supply						
	Service tax @% of Installation						
	Grand Total -----(B)						

PRECISION AIRCONDITION WORK FOR DATA CENTRE INDIAN BANK 2ND FLOOR - CHENNAI					
S.NO	DESCRIPTION	Qty	Unit	Rate	Amount
	Price Schedule for design, manufacture, supply, installation, testing & commissioning of Precision AC system along with accessories as per the following Scope of Work:				
A.	Main Equipment:				
	Floor Mounted, Bottom discharge Air Cooled DX type Precision Air conditioners of 58.2 kW Actual total cooling capacity @ 10840 CFM (Actual Capacity at return air temperature of 22 deg C DB & 50% RH and Outdoor Ambient Condition @40 Deg C with R-407C Refrigerant Gas) & should work at part load (From 20% to 100%) with Variable Capacity compressor.				
	The Indoor unit shall comprise of Variable capacity Digital Scroll Compressor, Evaporator Fan complete with Backward curved type with EC motor, Evaporator DX Cooling Coil ("A' / "V" Shape), Microprocessor controllers, Expansion valves, Driers, G4 Filter, Suction and Discharge piping, Internal power and Control wiring, Crankcase heaters, Humidifiers, Heaters, HP/LP Cutouts, Power and Control contactors and Other Electrical accessories.				
	The Outdoor Condenser unit shall comprise of Condenser fans & motor, Condenser cooling coil (Copper coil with aluminium fins), Fan speed controller (Variex), Isolator switch.				
	The unit shall be suitable for operation on 415 Volts, 50 Hz, 3 Phase, 4 Wire AC supply. Each unit should be having individual display panel, which shall display date, time, actual & set values, operating conditions, signal faults, collective faults, limiting values and PAC wellness alarm / service alarm to reduce the down time and unit memory shall hold the 400 most recent events with ID number, time and date stamp for each event.				
	Supply of 58.2 kW Actual Sensible Cooling Capacity @10840Cfm / Unit, as per above specification. Each unit footprint should not exceed 1704 mm (W) x 850 mm (D) x 1950 mm (H).	3	Nos.		
	Model of Indoor Unit: : PeX270DS	2W+1			
	Model of Outdoor Unit: 2XLS70CC2	S			
	The Break-up of Pricing is as under:				
a.	Basic Unit Price of Each Unit				
	Items included are:				
	Digital Scroll Compressor	Includ	ed		
	Backward curved Fan with EC Motor	Includ	ed		
	Evaporator Cooling Coil	Includ	ed		
	Air cooled condenser	Includ	ed		
	Fan Speed Controller (Variex)	Includ			

		ed			
	Microprocessor (ICOM)	Included			
	Heater	Included			
	Humidifier (Infra Red Type)	Included			
	Power Panel & starter for all drives	Included			
	Filter	Included			
	Card for BMS	Included			
	Water leak detector sensor	Included			
	Team Mode feature for PAC units controller for synchronising the Multiple No. of units to work as single system for all above units.	Included			
	Load sharing mode feature	Included			
	Cascading Effect	Included			
	Sequencing of above Units	Included			
b.	Excise Duty	12%			
c.	CESS on Excise duty	3%			
d.	Sub Total (Basic + Excise duty + CESS on ED)				
e.	CST against 'C' form	2.00%			
f.	Each Precision AC Unit Supply Price				
	Octroi / Entry Tax shall be extra at actuals.				
A.	Total Basic Supply Price				
B.	Lowside accessories and Installation & Commissioning:				
1	Installation & commissioning of Precision AC units comprising of:	3	Lot		
	Precision AC indoor unit stand	Lot			
	Lifting, shifting & positioning of units to site.	Lot			
	Outdoor unit installation along with Base frame / foundation	Lot			
	Initial charge of R-407C refrigerant gas & oil.	Lot			
	Commissioning of the system	Lot			
2	Interconnecting Copper piping between indoor & outdoor unit. Copper piping will be duly insulated with in the AC space.				
	a. Hot gas line	90	Mtr		
	b. Liquid line	90	Mtr		

3	Interconnecting copper cabling between indoor & outdoor unit (3 Core x 2.5 Sqmm)	90	Mtr		
4	Incoming Copper Cabling from Incoming Isolator to CRAC Unit	15	Mtr		
5	18G Supply air plenum (Powder coated)	3	Nos.		
6	Condensate drain piping with 40NB GI- B class pipes.	15	Mtr		
7	Humidifier water piping with 25NB GI-B class pipes.	15	Mtr		
8	Supply air floor grilles, 600mm x 600mm	56	Nos		
9	Return air continuous grilles	30	Sq.M tr.		
	Grand Total Price for Lowside accessories and Installation & Commissioning				
	VAT @.....% on 70%				
	ST @.....% on 30%				
	Grand Total -----(C)				

IBMS WORK FOR DATA CENTRE INDIAN BANK 2ND FLOOR ,CHENNAI

S.No	DESCRIPTION	QTY	UNIT	Supply		Installation	
				Rate	Amount	Rate	Amount
	Supply, Installation, Testing and Commissioning of the following :						
	Access control System						
1	Supply, Installation, Testing and Commissioning of 4 Door Controller	1	Nos				
1a	Door interface module	3	Nos				
2	Proximity Card Reader	5	Nos				
	Finger print reader cum card reader	1	nos				
3	Proximity Card	50	Nos				
4	Single Door Electro Magnetic Lock	1	Nos				
5	Double Door Electro Magnetic Lock	2	Nos				
6	Magnetic Contact	5	Nos				
7	Emergency release switch	2	Nos				
7a	Push to exit	0	Nos				
8	Access Management software with Time and Attendance application module license.	1	Copy				
8a	PC FOR INSTALLING ACS SOFTWARE	1	NO				
9	Supply and surface laying of 8 x 0.75 Sq mm ATC flexible cable in PVC conduit	200	Mtrs				
10	Supply and surface laying of 4 x 0.75 Sq mm ATC flexible cable in PVC conduit	250	Mtrs				
11	Supply and surface laying of CAT 6 cable in PVC conduit	200	Mtrs				
	Total -- (D1)						
	CCTV System						
1	1/3" Indoor Color Dome Camera, 580 TV Lines, 0.1 Lux	8	Nos				
2	Power Supply Unit for Camera	4	Nos				
3	16 Channel Digital Video Recorder with TCP/IP and 2.0TB HDD for 60 days backup	1	Nos				
4	30" LCD Color Monitor	2	Nos				
5	Supply and laying of RG 11 Co-axial Cable in PVC conduit	500	Nos				
6	Supply and laying of 4 Core X 0.75 Sq mm ATC Flexible Shld.in PVC conduit	500	Nos				

	Total --(D2)						
	Fire Alarm system						
1	Intelligent Addressable Two Loop fire alarm control panel with battery backup of 24 hrs in normal condition and 30 min in alarm condition with necessary accessories. Each loop capable of handling 252 detectors / devices. the system should have talk back system at the fire entry and exit location with two way communication , auto dialer with Dial up connection, should be able to communicate to Building management system	1	No				
2	Intelligent Analogue addressable photo Thermal type smoke detector.	22	Nos				
2.1	Response Indicator	14	Nos				
3	Intelligent Addressable Single action Manual pull station	3	Nos				
4	conventional Sounder with addressable control module.	3	Nos				
5	Short circuit Line Isolators	1	Nos				
7	Addressable control module for PAC Tripping	5	Nos				
8	Addressable Input module for monitoring the Vesda systems.	2	Nos				
9	2 core 1.5 sq.mm Cu.Arm.FRLS cables	300	Mtrs				
10	Exit signage	3	Nos				
11	Emergency glowing signage with battery	2	Nos				
12	Integration Gate way to connect to software	1	Nos				
13	CO2 Type 2KG Portable Fire Extinguisher Cylinder	3	Nos				
14	2 Kg ABC Type Fire Extinguisher Cylinder	3	Nos				
	Total --(D3)						
	Water leak Detection system						
1	Water Leak detection panel with battery	1	No				
2	Water Leak detection module	2	No				
3	Water leak detection cable sensor (15 Mtrs)	2	No				
4	Electronic Hooter	2	No				
5	Supply and surface laying of 2C x 1.0 Sq.mm copper conductor PVC insulated cable in 20 mm dia PVC Conduit	100	Mtrs				
	Total --(D4)						
	Vesda System						
1	Two Zone Vesda Laser Focus Detector (VLP-002)	1	Nos				
2	Power Supply Unit for above Detector	1	Nos				
3	Aspiration Tubes	75	Nos				

4	Capillary Tubes	15	Nos				
5	Air Termination Nozzles	15	Nos				
6	Electronic Hooter	1	Nos				
7	2C x 1.5 Sq.mm Cu. Armored Cable for connecting hooters	75	Mtrs				
	Total -- (D5)						
	Fire Suppression system(Novec)						
	For Server room Only						
1	100 trs Seamless Cylinder with valve	3	Nos				
2	Pressure Gauge +Low pressure supervisory switch	3	Nos				
3	NOVEC 1230	240	Kgs				
4	Electromagnetic Actuator	1	No				
5	Manual Actuator	1	No				
6	Pneumatic actuator	3	No				
7	Flexible Discharge Hose	3	Nos				
8	Flexible Actuation Hose	3	Nos				
8a	Discharge pressure switch	1	No				
9	Discharge Nozzles	21	Nos				
10	Rack-Wall mount kit	3	Nos				
11	2 core 1.5 sqmm armoured cable	150	Mtrs				
12	Check Valve	3	Nos				
13	Manifold	1	No				
14	M.S. Seamless pipes as per ASTM A 106 Gr. B, schedule 40 with necessary fittings.	1	Set				
15	2 Zone Gas release panel with battery backup	1	No				
16	Manual Release Switch	2	Nos				
17	Abort Switch	2	Nos				
	Total ---(D6)						
	Rodent Repellent system						
1	Master Console with 12 satellites for Rodent Repellent system with al accessories	2	Nos				
2	transducers	20	Nos				
3	stand	3	Nos				
4	Supply and surface laying of 2 core x 1sqmm cable in 20 dia PVC conduit	250	Mtrs				

5	Supply and surface laying of 20mm dia PVC conduit	250	Mtrs				
	Total ----(D7)						
	BMS System						
1	PC with Duo core Processor, 1 GB RAM, 100 / 1000 Mbps NIC for network connection, 17" TFT-LCD Screen complete with OS, MS Office and anti virus software, A-4 Inkjet Printer complete as required.	1	Nos				
2	Integrated Building Management System Graphical Software.	1	Nos				
	Auto dialer Modem , to generate SMS alert/pager , remote web clients -2 nos	1	no				
3	Stand alone Intelligent DDC Controllers with Enclosure for Vesda, Waterleak & Fire Suppression System	1	Lot				
4	Protocol Convertor with Encloser to integrate upto 12 Nos PAC (15 Parameters per device)	1	Lot				
5	Protocol Convertor with Encloser to integrate upto 8 Nos PDU (15 Parameters per device)	1	Lot				
6	Protocol Convertor with Encloser to integrate upto 4 Nos UPS (15 Parameters per device)	1	Lot				
7	Protocol Convertor with Encloser to integrate upto 2 Nos DG Sets (15 Parameters per device)	1	Lot				
8	Protocol Convertor with Encloser to integrate 1 Nos Fire Alarm System (100 Parameters per device)	1	Lot				
9	Communication gateway	1	Nos				
10	Room Temperature & Humidity Sensor	2	Nos				
11	2 core x 1 sq.mm shielded armoured cable	600	Mtrs				
12	Cat 5 armoured communication cable	400	Mtrs				
	Total Value						
	Total						
	Vat% of supply						
	Service tax% OF INSTALLATION						
	Grand Total ----(D8)						