

SCHEDULE OF QUANTITIES FOR THE PROPOSED BRANCH INTERIORS, FURNISHING,
ELECTRICAL & AIR CONDITIONING WORKS FOR BANK OF BARODA, **BHUPALPALLY** BRANCH.

S.NO	NAME OF WORK	AMOUNT
1	BRANCH INTERIOR WORKS	
2	BRANCH ELECTRICAL WORKS	
3	AC WORKS	
	TOTAL	
	GST EXTRA	
	GRAND TOTAL	
Note	Contractor must appoint qualified supervisor (Diploma in Civil) with minimum 5 years experience. Certificate of the same to be attached with Tender document. The same person should present at all meetings till completion of the work and update the work status to BOB RO/ZO and Architect. Management may disqualify tenderer who doesn't comply with the requirement.	
	Tenderer must quote in whole number only. Decimals, fractions are not allowed.	
	L1 will be considered based on Total but not on Grand Total	

INTERIOR WORKS-BRANCH					
S.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	GYP SUM FALSE CEILING	Sft	282		
	Providing & Fixing of False ceiling GYP-Board & India Gypsum G.I framework with 12. 5mm thk GYP board cladding including proper levelling, fixing the false ceiling in different levels if required of finishing of the joint's and to surfaces. All edges should be perfectly straight.the surfaces finished flush with surrounding surfaces including making provision for electrical fittings and A/C diffusers etc. complete for finished item of work.as per the drawing.				
	Cleaning the old surface of the ceiling and then applying & painting walls with plastic emulsion White paint matt finish with two coats of approved make shade and colour over a base coat of appropriate paint of approved make (total 3 coats) including cost and conveyance of materials like paint to site including lift and labour charges such as preparing the wall,applying luppum,applying primary coat, curing for primary coat, applying paint with matt finish two coats etc., complete for the finished item of work.				
2	GRID FALSE CEILING	Sft	526		
	Providing & Fixing of Armstrong Mineral Fibre Acoustical Suspended Ceiling System with MINATUFF (MICRO LOOK) EDGE TILES WITH ARMSTRONG SILHOUETTE EXPOSED GRID. The tiles should have Humidity Resistance (RH) of 99%, NRC Upto 0.6, Light Reflectance >88%, Thermal Conductivity k = 0.052- 0.057 w/m K, Colour White, Fire Performance Class 0/ Class 1 (BS476 Part 6&7) in module size of 600 X 600 X 16 mm with Bio Block coating on the face of the tile, impact resistant and suitable for Green Building application, with Recycled content of 63%.				
3	FULL HEIGHT PARTITIONS - SOLID	Sft	292		
	Providing and fixing metal stud dry wall partition with following specifications: The Partition will be fully opaque OR partly opaque and partly glazed as per specific site conditions and drawings.(a) Supporting system comprising of 51mm / 50mm x 35mm / 34mm x 0.5mm metal studs at 600mm c/c and 51mm / 50mm x 32mm x 0.5mm metal tracks at floor, middle, door and ceiling level with joints staggered to avoid through joints. The vertical members should touch the ceiling with horizontal ceiling channel at slab / beam bottom. The rate should also include necessary strengthening with studs / tracks or channels at doors and other openings.				
	The support system to be covered with 9mm BWR ply and 1mm thick laminate on all sides. The overall thickness of the partition is 3 inches. For UPS partition Hilux Calcium silicate board to be used of 9mm thick and duly painted with fire proof paint.				
4	FULL HEIGHT PARTITIONS - PARTLY GLAZED	Sft	308		

	Providing and fixing metal stud dry wall partition with following specifications: The Partition will be fully opaque OR partly opaque and partly glazed as per specific site conditions and drawings.(a) Supporting system comprising of 51mm / 50mm x 35mm / 34mm x 0.5mm metal studs at 600mm c/c and 51mm / 50mm x 32mm x 0.5mm metal tracks at floor, middle, door and ceiling level with joints staggered to avoid through joints. The vertical members should touch the ceiling with horizontal ceiling channel at slab / beam bottom. The rate should also include necessary strengthening with studs / tracks or channels at doors and other openings.				
	8mm thick. glass to be placed as per drawing with beading including finishing and painting the wooden surfaces of approved color and shade. and complete the finished item of work.The support system to be covered with 9mm BWR ply and 1mm thick laminate on all sides. The overall thickness of the partition is 3 inches.				
5	LOW HEIGHT PARTITIONS - PARTLY GLAZED	Sft	144		
	Same as full height solid partitions but height shall not exceed 4'. Glasses shall be used of 8mm thick plane of banks approved quality to an height of 450mm wherever suggested at site. All exposed edges shall be covered with 100 mmX12mm steam beech beading painting look elegant. Wicket gate of matching quality shall be made wherever necessary using required SS hardware. Wicket gates shall be measured along with partition area only.				
6	FULLY GLAZED PARTITION.	Sft	49		
	Providing and fixing of fully glazed partition with 10 mm thick toughened glass fitted with heavy duty SS patch fittings at the interval of minimum 2' interval at top, bottom and sides as per site condition, necessary support to be taken from the top (slab/ ceiling).				
7	WICKET GATE				
	Supply and fixing of Commercial Flush door single leaf shutters with teak wood frame of size 100x65mm and shutter made of 30mm thick commercial flush door finished with 1mm thk. Laminate on both sides including finishing and painting the wooden surfaces of approved colour and shade as per drawing. Door will have provision of necessary hardware like handles, aldrops, door lock etc., complete for the finished item of work.	Sft	0		
8	STORAGE	Sft	130		
	Providing & Fixing Full height storage of size 1'-6" deep & 8'-0" in height with various lengths with 19mmthk. plywood for sides, front shutter and in between planks. 8mm thk. ply use for rear side of the storage unit. All the exposed surfaces will be laminated with 1mm thk. laminate of approved shade & brand. All the inner surfaces will be laminated with 1mm thk. Rate to include cost of necessary hardware like brass hinges, aldrops, magnetic stopper, handles etc., complete for the finished item of work.				

9	FULL HEIGHT SEMI-GLAZED DOORS	Sft	60		
	Providing & Fixing Glass Doors in position of various sizes teak wood frame of size 3" x 2" and shutter frame of size 1 1/2" x 5". with both sides 6mm ply finished with 1mm thick laminate of shade & brand. All horizontal & vertical wooden sections are to be placed at 2'-0" c/c. 8mm thk. glass to be placed as per drawing with beading including finishing and painting the wooden surfaces of approved colour and shade and complete for the finished item of work.. Door will have provision of necessary hardware like door closer, door stopper, cylindrical lock, handles etc., complete for the finished item of work.				
10	FLUSH DOORS	Sft	91		
	Supply and fixing of Commercial Flush door single leaf shutters with teak wood frame of size 100x65mm and shutter made of 30mm thick commercial flush door finished with 1mm thk. Laminate on both sides including finishing and painting the wooden surfaces of approved colour and shade as per drawing. Door will have provision of necessary hardware like handles, aldrops, door lock etc., complete for the finished item of work.				
11	MAIN DOOR	Sft	35		
	Providing and fixing frameless fully glazed 12mm thk toughened float glass fixed with necessary patch fittings (OZONE or equivalent) including cutting, making holes, cutouts in the glass of required shape and size to accommodate fittings and fixing the fittings in floors, soffits, jams including necessary fixtures, screws, sealent wherever required and SS cover over patch fittings. Rate shall include approved patch fitting locking systems, 1 pair of 12" long S. S. (C Shape) Handles of approved make, floor springs, and any necessary hardware items. Top Pivot , Top Patch Fittings, Bottom Patch fittings , Floor Spring , Corner lock with strike plate and Euro Profile Cilinder, C Shape Handle 25mm dia X 300mm length)				
12	VERTICAL BLINDS				
	Providing and fixing 4" wide Vertical Blinds of fabric Vista Levolor make, S-002, including scotch guard provided with all standard fittings, accessories etc., as per the manufacturers specifications complete for the finished item of work. Colors as per Bank of Baroda approval	Sft	75		
13	DISPLAY BOARD				
	Providing and fixing 12mm Soft Board display covered with felt and teak wood border of size 6'-0" x 3'-0".	Sft	18		
14	ROLLING SHUTTER BOX IN ACP				

	Providing & fixing in position Aluminium Composite Panel (ACP) with framing of Aluminium Tube sections of min 1.5" x 1" and 20 gauges 2'-0" C/C both ways. Joints to be finished with Silicon based sealant. ACP thickness of 3 mm minimum. Aluminium foil thickness to be min 0.20 mm, 2'-0" C/C both ways. ACP to be in 2' width panels or distributed equally. Alubond, Eurobond, Fujibond, Alcobond or equivalent ISO certified brands to be used. Trap door to be finished with ACP.	Sft	297		
15	COLUMN / WALL PANELLING				
	Providing and fixing wall panelling consisting of gypsteel frame at maximum 2'-0"C/C both horizontally and vertically To be fixed screwed on the existing walls.The framework to be cladded with 9mm BWR ply with 1mm laminate of approved colour. The plywood additionally should be treated with Pentapehene pale from STP as anti termite & fire retardant from Viper. Edges of the play to be fixed with beech wood beeding.The work to be completed in all respects as per drawing,specification and approval of the Architects.	Sft	762		
16	WRITING LEDGE				
	Providing and fixing writing ledge of size : 3'.6"x1'.6" made out of 2" x 1 1/2" saal wood section with 6mm ply finished with 1mm thick laminate of shade & brand.All the inner surfaces are to be painted with luster finish over luppum including finishing and painting the exposed wooden surfaces of approved colour and shade. as per drawing complete for the finished item of work.	Nos	1		
17	COMPLAINT BOX & CHEQUE DEPOSIT BOX				
	Providing & Fixing Complaint box of Size 12"x6"x15" with four sides 12mm ply finished with 1mm thick laminate of shade & brand. including inner surface painting of approved colour and shade as per drawing complete for the finished item of work.	Nos	2		
18	PAINTING (Banking hall)				
	Providing & applying Luster Paint on walls, columns & ceilings. The rate shall include scrapping, levelling & preparing the surface. Primer coat + (minimum) 3 coats to get evenly spread quality finish (roller finish) of approved make, quality & shade shall be provided.	Sft	1165		
19	TOILETS, UPS & RECORDS, etc., (INCLU. CEILING)				
	Cleaning the old surface of the wall and then applying & painting walls with OBD White paint matt finish with two coats of approved make shade and colour over a base coat of appropriate paint of approved make (total 3 coats) including cost and conveyance of materials like paint to site including lift and labour charges such as preparing the wall,applying luppum,applying primary coat, curing for primary coat, applying paint with matt finish two coats etc., complete for the finished item of work.	Sft	1863		

20	SYNTHETIC ENAMEL PAINT FOR WINDOW GRILL, ROLLING SHUTTER & COLLAPSEABLE GATE				
	Providing and applying 2 coats synthetic enamel paint on window grill,rolling shutter and collapsible gate.Before putting final paint scrapping, leveling, preparing the surface and 2 coats primer to be done.The wall to be completed as per the direction of architect.	Sft	326		

ELECTRICAL WORKS -BRANCH					
S.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	POWER DISTRIBUTION BOARD	Nos.	1		
	Supply and fixing 415V TPN wall mounting type Power Distribution Board with necessary wall mounting frame work including grouting on the wall. The distribution Board shall be made of 16 G CRCA sheet steel and Al reinforcement wherever necessary for mechanical support, with oven baked painting of approved colour and shade after pre-treating of steel for derusting and degreasing. The distribution board with live terminals duly shrouded, properly segregated and compartmentalized and shall be accessible for operation/maintenance only after opening of hinged door which shall have locking arrangements and padlocks. all switches and all MCCb/MCB's knobs shall be visual,all components should be in separate compartments.The distribution board should have Danger Board engraved on 2.0 mm thick PVC plates.The distribution board should have the following components:				
	INCOMMER				
	Incomer 125A TPN MCCB, 25kA : 1 Set.				
	125A COS : 1 Set.				
	2A, control fuse - 3 Nos.				
	RYB indicating lamps - 1 set				
	Voltmeter (0-500V) with selector switch - 1 set				
	Ammeter (0-125A) with selector switch - 1 set				
	125/5A, CL-1, 15VA CT's with tape wound.				
	TPN Aluminum busbar of 150A capacity, mounted on non-hygroscopic, glass fibre reinforced insulators-1set				
	Outgoings				
	63A, 10KA FP MCBs - 3nos.				
	40A, 10KA FP MCBs - 2 nos.				
	32A, 10KA FP MCBs - 4nos.				
	32A, 10KA DP MCBs - 4nos.				
	Two numbers of earthing terminals - one on each side of the panel with earth strip run inside the panel				
	MAINS				
2	Supplying and fixing 3 1/2 core 50 sqmm 1.1 KV grade PVC insulated overall armoured UG cable with aluminium conductor run on wall, beams and column with necessary GI bar saddles for clamping from main source to power distribution board.	Rmt.	75		
3	Supplying and fixing 4 core 16 sqmm 1.1 KV grade PVC insulated overall armoured UG cable with aluminium conductor run on wall, beams and column with necessary GI bar saddles for clamping from main source to power distribution board.	Rmt.	60		
4	End termination of 4 core 16/25/50sq mm UG cable with suitable size hevy guage Siemens make cable glands and crimping with suitable size copper lugs including the connections.	Nos.	15		
	WIRING IN PVC CONDUIT PIPE				

	Supply and wiring for the following items using specific runs of colour coded 440V grade PVC insulated unsheathed stranded copper conductor wire drawn in rigid PVC conduit pipe of specified diameter and wall thickness together with all pipe fixing accessories as per IS 9537 Part II 1981 or of latest revision and fixed on walls, beams, column, ceiling, tranches:(all wires shall be of FRLS CATEGORY)				
5	a).2R 7/18 & 1R 7/20 in 30mm dia flexible	Rmt.	90		
6	b). 2R 7/20 & 1R 3/20 in 20mm dia PVC conduit (UPS DB/AC CKTS)	Rmt.	80		
7	c). 2R 3/20 & 1R 3/22 in 20mm dia PVC conduit for UPS ckts.	Rmt.	120		
8	d). 2R 3/20 & 1R3/22 in 20mm 2mm thick PVC conduit for lighting cks & R.POWER	Rmt.	110		
9	e). 4R 3/20 & 1R3/22 in 20mm 2mm thick PVC conduit for ac's ckts	Rmt.	85		
10	f) 2 R 7/20 wirings with cu wires for Glow sign Boards	Rmt.	80		
11	g) 2R 3/20 cu wirings for Inverter or elsewhere required	Rmt.	80		
	Supply and fixing standard distribution board factory made INDO KOPP with following combinations: All Double Door Makes:-Legrand, Havells, Indoasian etc				
12	8WAY:	Nos.	1		
	1 No. 32A DP MCB MDS make G series 16KA as incommer				
	6Nos.10/6A SPMCB MDS make G series 9KA as outgoing (UPS)				
13	4WAY	Nos.	2		
	1 No. 25A DP MCB MDS make G series 9KA as incommer;				
	2 Nos. 6/10A SP MCB MDS make G series as outgoing.(Server room)				
14	4WAY	Nos.	2		
	2 Nos. 32A DP MCB MDS make G series 9KA				
15	4WAY (INVERTOR LIGHTING)	Nos.	1		
	1Nos.25 A DP ELCB MDS make G series 9 KA as incomer and				
	2nos. 6/10 A SPMCB MDS make G series 9K as out going.				
16	6 WAYTPN DB BOXES(FOR AC'S)with followings:	Nos.	1		
	1 no. 63ATPN MCB MDS make G series, 16KA as incomer				
	6 Nos. 25/32A DP MCB MDS make G series as outgoing.				
	3 Nos. 25/32A TP MCB MDS make G series as outgoing.				
17	4 WAYTPN DB BOXES(FOR LIGHTING and POWER CKTS)with followings:	Nos.	1		
	1 no. 32 ATPN ELCB MDS/LEGRAND /HAVELLS etc make ,300mA as incomer				
	12 Nos. 10/16A SP MCB MDS make G series as outgoing.				
18	Supply and fixing factory made sheet steel enclosure comprising of following components for input to Air Conditioners:				
	1No. 25/32 A SP MCB MDS make G series 9 KA				

	1NO. 20A Crompton make Industrial 3 pin Metal Plug socket;				
	1 No. 230V Neon Indicator.	Nos.	4		
	OR READY MADE NORTH WEST MAKE MCB/SOCKET OF EQUIVALENT RATINGS				
19	Supply and fixing flush mounted switch sockets, MCB, indicator as specified below on 2 mm thick acrylic plate of suitable size and fixing the same on the sheet steel enclosure of required size in the space provided below the counter/on the counter:	Nos.	15		
	1 No 6A SP MCB, 6/3 KA				
	3Nos. 6A 2/3 pin socket				
	1No. 230V neon indicator				
	with a master control s/w at above counters with internal wirings from MS/w to MCB				
	ALL S/W & SOCKETS -MODULAR BOX				
20	1 NO. 16/10A SP MCB , 9KA G series	Nos.	2		
	2 Nos. 6A 2/3 pin socket,				
	2 Nos. 6A switch				
	2 nos. 16/6A Socket & 2Nos. 16A switch				
	1 No. 230V neon indicator.				
	ALL S/W & SOCKETS -MODULAR BOX				
21	RAW power points for counters / others at independent places.	Nos.	15		
	1Nos. 6A 2/3 pin socket,				
	1 Nos. 6A switch				
	ALL S/W & SOCKETS -MODULAR BOX				
	EARTHING				
22	Supply and fixing of 600mm X 600mm size 3mm thick copper plate with 25mm X 3mm copper tape of required length upto disconnecting type test link, 1.5 meter long 39mm dia class B GI pipe with GI watering funnel. Copper plate covered with 115 mm all round with alternate layers of salt and charcoal and sand including excavation and consolidation of soil and testing the electrode for ER value as per IS 3043 as revised.	Nos.	1		
23	Supply and fixing of 38 mm dia 2.5 meter long hot dip B class GI pipe earth electrode with GI watering funnel, 40mm x 60 mm Size welded hot dip GI terminal pad with 12mm dia GI bolts and nuts, washers buried in ground including earth work and covering 115mm allround the pipe with 115mm thick layers of salt, charcoal, sand as per is 2043(latest issue)	Nos.	1		
24	Providing for above earth electrode 230mm thick brick masonry chamber of 450mm to 500mm height 75mm thick PCC base cement mortar 1:6 plastering for brick masonry work with 450mm X450 mm size heavy duty pre cast RCC slab for the chamber.	Nos.	2		
25	Supply and running of double run 8 SWG copper wire from the earth electrode to the electrode to the earth bar of UPS in 19mm PVC conduit on walls, floors, beams etc.,(only 8 SWG CU WIRES WITH SLEEVES WILL BE ACCEPTED)	Rmt.	75		

26	Supply and fixing 300mm heavy duty exhaust fan Khaithan make to the window of UPS room with a suitable frame and including required light point.	Nos.	1		
LIGHTING POINTS					
	Supply, installation, testing & commissioning of light points, 6A socket outlets fan points using necessary ,materials like 12mm/ 19mm dia FR conduits and other conduit accessories, 2 R of 1.5sqmm & 1R of 1.0sqmm FRLS category MSCC wires, 5A switch 16G GI box and other point wires accessories and carrying out concealed wiring. The rate shall including earthing of all points and also cost of PVC coated metal flexible and all accessories, tools, labour etc. No seperate paymernt will be made for wall chasing, making good the wall & floor with smooth plastering, cleaning of debris etc.The rate shall include looping between the points. The wiring size is limited to lighting circuits (max. 800W) and 5A power outlets in point wiring limited to 200W per socket outlets and looped to a maximum of 4 out lets. All accessories shall of IS approved. (All switches and sockets should be of modular type)				
27	One light point controlled by one no. 6A swtich	Nos.	45		
28	Two light points controlled by one no. 6A switch	Nos.	10		
29	Ceiling fan point controlled by one no. 6A switch. The rate shall include providing fan anhor hook and electronic step type regulator (Anchor Roma) and other accessories as required.	Nos.	3		
30	One no.5A 3 pin socket controlled by one no. 5A switch (dependent).	Nos.	15		
31	Supply and fixing of a calling bell of Cona/Anchor make with necessary bell push for cabins including providing necessary light point;	Nos.	1		
FIXTURES:--					
Supply of the following Electrical & Lan fixtures as under:					
32	36 W (2x2) AC LED work station light (square, recess mount 2x2 fixture with prismatic glass / DF)	Nos.	12		
33	22x 22W FTL(T5) 4' Surface mounting type industrial LED, cover milky white, special polycarbonate diffuser, for glare free light distribution.Code No. - LHEWEBP6PL1W012.	Nos.	12		
34	Supply of LED down lighter 18W Make:HAVELLS/Wipro/Philips	Nos.	26		
35	48" three blade cromton make ceiling fan with regulator.	Nos.	3		
36	9" dia Exhaust fan Khaithan make	Nos.	3		
37	Supply and Fixing of 16" Wall Mounting Fan Crompton Make Plastic Blades with suitable all fixing Materials etc.	Nos.	8		
38	Supply and Laying of 4Pair, UTP cat6 Lan Cable with Information outlet and Suitable 2mm Thick PVC Pipe Laying Below Flooring/Wall/Slab etc MS Junction Boxes to All Tables, Including all Related Civil Works etc All Cable Numbers to be Provided at both ends(Systemax) (supply & fixing)	Nos.	18		
39	Supply of 7 feet / 3 feet Patch Cords. (supply & fixing)	Nos.	16		

40	Supply and fixing of RJ 11 Telephone socket with 2 Pair Telephone Cable From Each Table to EPABX , this include suitable Surface/concealed box and all required materials this Includes Supply and fixing of Suitable PVC Conduits and Cable Numbers to provided.	Nos.	2		
41	Supply and Wiring of Telephone Points Wiring with 10 Pair Copper cable and suitable conduits,all required materials etc.	Mtrs	20		
42	Supply and fixing of 30 Pair crown box with connector and all connections etc.	Nos.	1		
43	Supply & Fixing of 24 Port Jack Panel & switch	Nos.	1		
44	Supply & Fixing of 9U Rack with Acceries(Self, Power Manager, Cable Manager, Fan etc)	Nos.	1		
	Installation of following fixtures :				
45	Installation of 36W (2x2) AC LED work station light (square, recess mount 2x2 fixture with prismatic glass / DF)	Nos.	12		
46	Tube light fixture directly to the ceiling/wall	Nos.	12		
47	Fixing down lighter to the false ceiling	Nos.	26		
48	48" ceiling fan to the roof by providing S hook and fixing	Nos.	3		
49	Fixing of the exhaust fan with necessary frame to the window	Nos.	3		
50	Fixing of Wall Mounting fans	Nos.	8		
51	f) Master Control DB: Supply &Supply Installation Testing and commissioning of VTPN MCB Double door Distribution boards dust and vermin protected and rated for 415V, Three Phase AC CUBICLE-1: 100A,4P,25KA MCCB with -1 no 2: 63A, 4P MCBs-2 Nos (Branch UPS, Sign Board and ATM) with vary deep extendable handle-1no. Note : 2 No of MCBs Connections directly from MCCB Input and Panel Install Main Entrance. With indicater set	Nos.	1		
52	Providing Indoor ordinary end terminations for the cable specified above with compression type steel gland, Bi-metallic lugs using crimping tool,Insulation tape,Identification tags etc., including end termination and Earthing of Gland with 8SWG 'GI Wire	Mtrs	100		
	4C X 16 Sq.mm				
53	Supply and erecting of approved make Red Charge RC 18000 150 AH, Recyclable Tall Tubular Inverter Battery for (Blue & White), including pvc conduite with required all materials, etc.) Luminous, Exide Make or equivalent approved make	Nos.	2		
54	Supply and erecting of approved make 2KVA Sine Wave Inverter , including pvc conduite with required all materials, etc.) Luminous, Exide Make or equivalent approved make.	Nos.	1		
	TOTAL				

AC WORKS					
S.NO	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
	(SITC: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING)				
	PART 1; DX UNITS & CONTROLS:				
	SITC of following capacity of 5 Star rated Hi wall Units (R410-Ozone Friendly and Non CFC Refrigerant) with necessary Gas Top Up complete with scroll & inverter compressor, copper condenser, evaporator, vibration isolators, structural supports with required hardware, control cable, etc., (the rate should include necessary copper pipe upto 3M. length, Electrical cabling & drain 3 mtr each.)				
1	1.0 TR Inverter model and copper outdoor unit	Nos			
2	1.5 TR Inverter model and copper outdoor unit	Nos	1		
3	2.0 TR Inverter model and copper outdoor unit	Nos	3		
	SITC of the following capacities of Cassette Units (Gas-R32/ R134A/R407/R410-Ozone Friendly and Non CFC Refrigerant) with necessary gas Top Up complete with scroll inverter compressor, copper condenser, evaporator, vibration isolators, structural supports with required hardware, control cable etc				
4	1.5 TR Inverter model and copper outdoor unit	Nos			
5	2 TR Inverter model and copper outdoor unit	Nos			
6	3 TR Inverter model and copper outdoor unit	Nos			
	PART 2; REFRIGERENT PIPING WORKS:				
	COPPER PIPING WORKS:				
	SITC of 20 SWG soft copper piping with 9mm thk. Nitrile tube insulation aluminium foil 22G GI wire mesh, supports with required hardware etc., (Refrigerent Piping -5Mtr within the supply) (multiple length will be measured on single length between ODU&IDU)				
7	6.50mm dia. For 1.0 TR, 1.5 TR, 2 TR Hi Wall Split Units.	Rmt	25		
8	12.70mm dia. For 3. & 4.0 TR Cassette Units	Rmt			
	SITC of UPVC pipe (6KG duty) drain pipe with 6mm Al backed Nitrile Rubber insulation wrapped with 22 G GI chicken wire mesh of various sizes and with required wall chasing, supports & clamps, etc., The sizes given shall be verified by Supplier for adequacy and size given shall be verified by Supplier for adequacy and size based on manufacturer standards (Pre drain -3Mtr within the supply)				
9	20 mm (ID)	Rmt	10		
10	25 mm (ID)	Rmt	15		
11	32 mm (ID)	Rmt			

	Supply, laying and commissioning of following size power and Communication Copper cable with PVC conduct with clamps, cable ties including connecting and testing:(Electrical Cable -3Mtr within the supply)				
12	3core x 1.5 sq mm for 1.0, 1.5 & 2.0 TR Hi Wall	Rmt	25		
13	4core x 2.5 sq mm for 3.0 & 4.0 TR cassette Units.	Rmt			
14	STRUCTURAL SUPPORT FOR AC UNITS	Nos	4		
15	Supply and Fixing of Timer switch for controlling AC. L&T make	Nos	0		
	TOTAL				