

SBI INFRA MANAGEMENT SOLUTIONS PVT. LTD.
(A Wholly Owned Subsidiary of SBI) CIRCLE OFFICE
SBI Local Head Office, 4th Floor, III/1 Pandit Jawaharlal Nehru Marg, Bhubaneswar- 751001

Part – II
(INDICATIVE PRICE BID)
TENDER FOR AIR-CONDITIONING WORKS AT FOURTH FLOOR SBILD, PAHALA

Tender reference No: BHU202004002

Note: THROUGH E-TENDER FOLLOWED BY E-REVERSE AUCTION
Manufacturers / approved authorized dealers of (Daikin, Carrier, Blue Star, Mitsubishi Heavy & Mitsubishi Electric, Toshiba, O-General, trane, Hitachi LG and Voltas) are eligible to participate.

S.No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.
	PART -A				
1	Supply,Installation,Lifting, Shifting, Testing & commissioning of Full Inverter VRF System with Modular type outdoor units (Top Discharge) , all scroll DC Inverter compressors for Cooling & Heating applications along with different types of indoors compitable with VRF ODUs with R 410 A . All inverter capacity controlling compressors shall be suitable for 3 Phase, 50 Hz.. The outdoor should be with 'corrosion resistant' heat exchanger with a black coating or equivalent alongwith hydrophilic coating to shield it from Salt, Sand & other elements brought in by the air. There should be no derating at 39 Degree Celsius and capable to work upto 53 Degree Celsius. All proposed outdoor unit should have minimum COP of 3.6 at 100% load condition for Cooling in standard AHRI test conditions (Ambient DBT-35 Deg C, Inside DBT 27 Def C/WBT 19 Deg C). All VRF Outdoor units should be with copper condensor only and fixed with proper anchoring on the masonry base & bracket constructed before by the AC contractor on terrace and complete in all respect.				
A)	Out Door Units details (TOP Discharge)				
i	20 HP Top Discharge ODU	4.0	Nos		
ii	16 HP Top Discharge ODU	1.0	Nos		
iii	12 HP Top Discharge ODU	1.0	Nos		
2	Supply, Installation, Testing & Commissioning of the VRF Indoor units suitable for operation on 220V-240V, Single Phase, 50 Hz AC electric supply and shall with washable Filters, BLDC motors. & with all fixing accessories.				
i	1.25 TR Hi Wall Split AC (cfm- 440)	13.0	Nos		
ii	1.5 TR Hi Wall Split AC (cfm-530)	8.0	Nos		
iii	2.0 TR Hi Wall Split AC (cfm- 630)	3.0	Nos		
iv	2.0TR 4-Way cassette (cfm- 670)	6.0	Nos		
v	3.0TR 4-Way cassette (cfm- 950)	6.0	Nos		
vi	4.0TR 4-Way cassette (cfm- 1200)	2.0	Nos		
vii	4.5TR 4-Way cassette (cfm- 1350)	4.0	Nos		
3	Supply, Installation, Testing & Commissioning of the ancillary items.				

i	Y-Joints/Refnet /Copper Joints Supply & installation of Y-Joints/separation refrigeration pipe joints and headers in the appropriate orientation to enable correct distribution of refrigerant. The distribution joints should be factory insulated with pre-formed section of Expanded polystyrene/Equivalent.	40.0	Nos		
ii	Out door unit connectors	4.0	Nos		
iii	Cassette AC Panel (Grill)	18.0	Nos		
iv	Cordless Remote Controller with Holder	20.0	Nos		
	Sub Total of Part - A				
	PART -B				
5	Supply, Installation, testing and commissioning of copper refrigerant piping for the above indoor and outdoor units copper piping shall be properly supported and it shall include the cost of all the fitting, insulation, Aluminium foil and all required fittings, joints etc. as per drawings of the following sizes (the insulation shall be 13/19mm thick closed).				
	Copper pipe with 13/19 mm thick insulation 'o' class				
i	6.35 mm dia with 13/19 mm thick insulation 'o' class	130.00	Mtr		
ii	9.53 mm dia with 13/19 mm thick insulation 'o' class	50.00	Mtr		
iii	12.7 mm dia with 13/19 mm thick insulation 'o' class	50.00	Mtr		
iv	15.8 mm dia with 13/19 mm thick insulation 'o' class	105.0	Mtr		
v	19.05 mm dia with 13/19 mm thick insulation 'o' class	100.0	Mtr		
vi	22.2 mm dia with 13/19 mm thick insulation 'o' class	90.00	Mtr		
vii	28.6 mm dia with 13/19 mm thick insulation 'o' class	60.00	Mtr		
viii	31.8 mm dia with 13/19 mm thick insulation 'o' class	10.00	Mtr		
ix	38.1 mm dia with 13/19 mm thick insulation 'o' class	30.00	Mtr		
x	41.3 mm dia with 13/19 mm thick insulation 'o' class	20.00	Mtr		
6	Providing and fixing control cum transmission wiring of FR PVC insulated 2 coreX.75 Sq mm FR PVC insulated copper cable in suitable steel conduits between indoor and outdoor units etc as required	700.00	Mtr		
7	Supply, fixing and testing of UPVC/ CPVC drain pipes with 6 mm nitrile rubber insulations complete with supports as per drawings and specifications of below sizes.				
i	25mm inner dia	25.0	Rmt		
ii	32mm inner dia	200.0	Rmt		
iii	40mm inner dia	35.0	Rmt		
8	Providing and fixing of galvanised stainless steel slotted tray for expose copper piping on terrace & in shaft if open for the safety of nytrile insulations over copper pipe.				
i	300mmx50mm X 1.6mm	20.00	Rmt		
9	Gas Charging (R-410 A Gas)	55.00	KG		
10	Non VRF Design For UPS/BATTERY/PANEL				

i	Supplying, installation & commissioning of 1.0 TR Inverter Hi Wall Split AC 3 star rating with copper condenser including fixing out door unit with stand/bracket on wall at any level or preparation of masonry base on terrace as required (For ups/server)	2.0	Nos		
ii	Timer for Split AC (For 4th Floor- UPS / Server)	1.0	Nos		
Sub Total of Part - B					
Grand Total Amount in Rs. (A+B) excluding GST					
Note:					
1	Comprehensive warranty one year from the date of commissioning of all the air-conditioning systems (VRF & HWS) to be given by the vendor. No extra cost will be borne by the Bank towards any requirement by this period. All scaffoldings require for VRF & HWS machines, cables etc. will be done by the AC contractor.				
2	The quoted rate should be inclusive of materials, labour, wages, fixtures, transportation, installation, all taxes (excluding GST), wastage's, Octroi, Insurance, machinery, temporary works such as scaffolding, cleaning, overheads, profit, statutory expenses, incidental charges and all related expenses to complete the work. GST shall be paid extra as applicable				
3	The contractor should work according to the final layout and in close co-ordination with interior and electrical Work. The SBIIMS/Bank has discretion to drop any of the items (low side works) from the scope of work at the time of execution and as per the site requirements. Vendor has to take the confirmation from before placing the final order.				