

PRICE BID-Gulmohar Park Branch

<u>BOO SPECIFICATIONS FOR AC WORKS</u>					
S. NO	ITEM AND SPECIFICATION	QTY	UNIT	RATE (excluding GST)	AMOUNT (excluding GST)
1	Providing/Supplying including cartage (door delivery) 3 Star Rated 100% copper (condenser/coil) HIGH WALL MOUNTED INVERTER split AC system (manufacturing year - 2022) i.e. as spec. or approved make, including indoor & outdoor copper tubes (includes 3 meter copper refrigerant pipes and power cable length), drain pipes, condenser unit etc. complete as per detail & instruction of Engineer-in-Charge. Including maintenance/ service till defect liability period and comprehensive warranty (one year i.e. upto DLP)[approved make–Voltas/Carrier/Hitachi/Daikin]. Warranty on compressor and PCB shall be as per OEM. All Warranty cards on the name of Central Bank of India to be submitted alongwith Bill. It also includes remotes with batteries and other accessories, manuals with ACs).				
a	1.5 TR Single Split unit (inverter, 3 star)	6	Nos.		
b	1.0 TR Single Split unit (inverter, 3 star)	3	Nos.		
c	SITC of digital timer with 4 hr/8 hr option suitable for 1 tr /1.5 tr load.	1	Nos.		
d	SITC of 4 KVA Stabilizers "V-Guard" / Microtek (copper coil) make suitable for 1 tr / 1.5 tr load. All Warranty cards as per OEM on the name of Central Bank of India to be submitted alongwith Bill	9	Nos.		
2	Low side Work				
a	Installation, Testing & Commissioning of 1 / 1.5 T split AC units with all required accessories by making wall holes, chiseling wall and refilling the wall with mortar plaster and other civil works and making good the surface complete in all respect with all supports. It includes installation at all heights and leads, using scaffoldings staging etc and disposal of unused malba and material at any leads.	9	Nos.		
b	Supplying & Laying extra suitable Copper refrigerant piping as per manufacturer with all required material beyond 3m length insulated with 13 mm nitrile rubber of class 'O' & supports and concealed inside wall in chipping and civil work complete with all accessories as required.	70	Mtrs		
c	Minimum 25mm dia. or higher size as per OEM, insulated Heavy-duty drainpipe for various units in total clamping manner above false ceiling and in total concealed manner below false ceiling level with including all necessary civil work required. The same shall be laid in proper gradient and shall be tested to avoid any leakage before concealing the same.	70	Mtrs		

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d	Supplying & Fixing suitable anti-rust painted MS angle iron Stand (min. size 35 mm, 5mm thick with Cage with locking arrangement with enamel painting for 1/1.5ton AC outdoor condensor.	9	No.		
e	Supplying & Laying of three/four core 4sqmm or as per OEM whichever is of higher size copper electrical power / control cable as required from indoor to outdoor suitable for 1/1.5ton AC beyond 3 m length.	80	Mtrs		
	TOTAL OF ' Air Conditioning' Works				
TOTAL (Rs.) IN WORDS -					

Above rates and amounts are excluding GST and GST as applicable shall be charged extra.

Approved List of Materials (Brands/Make) for the Air-conditioning Works.

Sr. no.	Item	Makes / Brands
1	AC drain (PVC) pipes / Flexible pipes	Supreme, Prince, Ori-plast, Astral
3	Cement	ACC,Ambuja,Birla,Binani
4	Steel	Hot rolled deformed bars confirming to IS:1139-1966 (Fe-415 HYSD) TATA, Jindal, SAIL, RINL
5	Aggregates	Aggregates shall comply with the requirements of IS:383-1970
6	Brick Works	All brick work shall confirm to IS:2212-1962
7	Reinforcement Bending and Fixing Works	Bending and fixing of bars for concrete works shall be as per IS:2502-2010
8	RCC,PCC Works	All RCC/PCC works shall confirm to IS:456-2000
Electrical fittings & fixture		
1	FRLS insulated Elect. Wires/ power Cables Armoured/Unarmoured, Sheathed, unsheathed, Flexible LT cable, Multi core, single core Cable, Flat cable.	Finolex,Polycab, RR KABEL,
2	PVC Conduit pipe & Casing -capping for electrical wiring, Flexible pipes.	Polycab,Precision,AKG,Finolex
3	Air-Conditioners	Voltas / Carrier / Hitachi /Daikin
4	Stabilizers	V-Guard/ Microtek
5	Digital Timer	ABB, Havells, L&T, Siemens
6	Refrigerant Copper Pipes	Mandev/totaline/Mexflow or Pre approved equivalent for copper pipes and Armaflex / K-flex/ pre-approved equivalent for Nitrile rubber