

PRICE BID (PART-2)

**TENDER FOR AIR CONDITIONING WORKS OF FIRST FLOOR OF BOLANGIR BRANCH
Tender No. ZO/SAM/AC/R-IV/2023-24/03**

S. No	Item Description	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
A	Supply of Air-conditioner				
1	Supply of Ceiling suspended Cassette type Split Air-conditioner unit of following capacity four-way one indoor unit, one outdoor unit with single compressor with R410/R32 eco-friendly gas, Thermo sensor temperature control ,auto air swing ,multifunctional cordless remote having condensor coil copper only.				
a	4 TR Inverter Cassette type Split Air-conditioner, min. BEE 2 Star Rated (for Hall-2 Nos)	2	Nos		
b	3 TR Inverter Cassette type Split Air-conditioner, min. BEE 3 Star Rated (for Conference Room -3 Nos)	3	Nos		
c	2 TR Inverter Cassette type Split Air-conditioner, min. BEE 3 Star Rated (CAC-1 No, RBC-1 No, Dining Room-1)	3	Nos		
2	Supply of wall mount type Split Air-conditioner unit of following capacity four-way one indoor unit, one outdoor unit with single compressor with R410/R32 eco-friendly gas , Thermo sensor temperature control ,auto air swing ,multifunctional cordless remote having condensor coil copper only. cost include three meter copper pipe				
a	1.5 TR Inverter Split Air-conditioner (BEE 3 star) for Server Room-2 nos, CVE room -1 No, Aaddhar room-1 No.)	4	Nos		
A	Total amount for supply of units in Rs.				
B	Installation, Testing and Commissioning & Related low side work	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	Supply and fixing of Copper pipe (both liquid & suction) line duly insulated with Class "O" fire retardant 6 mm sleeve type elastomeric nitrile rubber insulation all complete as per standard specification and practice and instruction of Engineer-in charge as per site conditions, with proper saddling (S.S Saddle) on wall / terrace including making good the damages with cement mortar 1:2:4 on walls /floor with similar finish. Alu. foil membrane /white tape shall be applied to provide resistance against breakdown due to UV radiation for exposed portion of the rubber insulation with Nitrogen testing (totally sealed - in case of proposed machine). It shall be in total clamping manner above false ceiling & in total concealed manner below false ceiling level. From the structural ceiling it should hange or shall be fixed on wall / beam etc. with clamps & the distance between two clamp shall be less than 1 meter Copper line sizes for cassette type (Suction line & Liquid line - 5/8" & 3/8") (Liquid line & Suction line - 3/4" & 3/8"), for cassette type A/C (Liquid line & Suction line - 5/8" & 1/4")	200	RMT		
2	Supply , installation, Testing & Commissioning of suitable Refrigerant piping (both liquid & suction) with soft drawn copper pipe & duly insulated with required insulation with suitable size saddles on the surface of the wall or suspension hooks from the ceiling, as required at site for Split AC (Size Liquid line & Suction line - 1/2" & 1/4") beyond 3 meter length for each split AC.	60	RMT		

3	Laying control FRLS copper wire pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick from outdoor unit to indoor unit as required to complete the work in all respect.	300	RMT		
a	2.5* 3 core/1.5* 4 /2.58 4 core or as approved by the OEM of AC				
4	Supply and fixing ISI mark UPVC pipe 25mm/32mm dia with elbow, tee socket for condensate water drainage line with 6 mm nitrile insulation for various units in clamping manner above false ceiling and in concealed manner below false ceiling. From structural ceiling it should hanged using self threaded rods or shall be fixed on wall /beam etc. with clamps & the distance between 2 clamps shall be less than 1 meter. It shall not be placed over the false ceiling nor it shall be fixed with false ceiling members. It shall be laid required gradient for easy disposal of the drain water & testing shall be done before filling the zaries. The drain line shall not be laid in the floor (except toilets & other utility areas where there are no electrical lines in the floor). It should be connected to nearest rain water pipeline or drain as per site conditions Make: Supreme/National/Prince or equivalent.	180	RMT		
5	Supply and fixing of M.S stand wall / floor mounting brackets suitable for holding the outdoor units structure made of M.S angles for installation of outdoor unit with anti-vibration pad including grouting on wall /floor etc as may be required depending upon site condition and as per the instruction. Grouting to be done by cutting necessary holes and grouting with M-12 anchor fasteners/ cement concrete 1:2:4 and making good the damages with similar finish, two coats of synthetic enamel paint over a coat of metal primer.	8	NOS		
6	Providing & Fixing of suitable size metal powder coated AC bracket wall/floor mount Stand for outdoor Condensing unit for split AC. .	4	Nos		
7	Standard Installation and testing of 4TR,3TR, 2TR cassette type machines including indoor & outdoor machine erection, first Oil & Gas charging, installation & commissioning Including top and plug, vacuumising, nitrogen pressure testing (as applicable).	8	NOS		
8	Standard Installation and testing of 1.5 TR AC including indoor & outdoor machine erection, first Oil & Gas charging, installation & commissioning Including top and plug, vacuumising, nitrogen pressure testing (as applicable).	4	NOS		
9	Providing and fixing wall mounting 4KVA automatic stabiliser of ELPOWER/Microtake make/V-Guard (Input Voltage- 130V-270V, Output Voltage-230V) including all labour and material for 1.5 TR AC	4	NOS		
10	Removal , shifting and re-installtion of existing Split AC of capacity 1.5 TR including cost of servicing and Gas Charging if any required.	1	NO		
B	Total Low side Price in Rs.				
C	TOTAL AMOUNT FOR SUPPLY, INSTALLATION AND COMMISSIONING (ITEM A + B) IN RS.				
D	BUY BACK OF OLD AC				
	Removal of follwing ductable Air conditioners including indoor units, outdoor units, GI ducting, Copper pipe as available at site, diffisuers, dampers, old damaged outdoor stand and taking away the material as buy back from the existing Premises as is where is basis and as directed by project in charge at site. Vendor are advised to visit the site before submitting their rates.				

i)	Ductable ACs of 11 TR	2	No.		
ii)	Ductable ACs of 8 TR	2	No.		
D	Total Buy Back Value in Rs.				
E	TOTAL AMOUNT FOR SUPPLY, INSTALLATION AND COMMISSIONING (ITEM C- D) INCLUDING BUY-BACK IN Rs.				
Note : GST shall be extra as applicable.					

F	Comprehensive Annual Maintenance Contract (CAMC) after expiry of 1 year warranty Period	Total Capacity	Unit	Annual Rate/TR	Amount in Rs.
a	2nd Year	29	TR		
b	3rd Year	29	TR		
c	4th Year	29	TR		
Total AMC value in Rs. for 3 Years					
TOTAL FOR SUPPLY, INSTALLATION ,COMMISSIONING, BUY BACK AND AMC (ITEM F+ E) excluding GST					
Net Tender Amount in words : Rupees'.....					
NOTES:					
1	The quoted prices shall be firm and inclusive of all duties, transportation, handling, loading and unloading at site, road permit, etc and no extra will be permitted. Only GST will be paid extra on Hi-Side , Low Side, Buy Back and AMC as applicable.				
2	THE CONTRACTOR SHOULD DEPUTE ONE PERSON AT SITE FROM START OF WORK TO FINISH FOR GIVING TEMPORARY CONNECTIONS & ATTENDING PROBLEMS				
3	THE CONTRACTOR SHOULD WORK ACCORDING TO THE FINAL LAYOUT.				