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Office of the Registrar
(Institute Purchase Cell)

Ref. No.: IIT (BHU)/I. P. Cell/RC_AC_AMC/2019 – 20/370

कुलसचिव कार्यालय
(संस्थान कय प्रकोष्ठ)

Dated: 28th August, 2019

NOTIFICATION

Subject : Rate Contract of Comprehensive Annual Maintenance Contract (CAMC) / Buyback / Spares of all type of Air Conditioners for financial year 2019 – 20 & 2020 - 21.

Dear Sir / Madam,

The IIT (BHU) has entered into **Rate Contract for Comprehensive Annual Maintenance Contract (CAMC) / Buyback / Spares of all type of Air Conditioners for financial year 2019 – 20 & 2020 – 21.** The Rate Contract comes into force with immediate effect and shall remain valid till new Rate Contract is finalized.

S. No.	PARTICULARS	Page No.
1-	Comprehensive Annual Maintenance Contract (CAMC) of all type of A.C.	1 – 2
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3-	Rate of Spare Parts of all type of Air Conditioners.	4 – 9

The details, rates, terms & conditions, name of the vendor etc. are enclosed (1 to 9 pages).

Important Note : The services of the aforementioned rate contract are required to be made only from the concerned firms on rate contract and not from any other firm / supplier. This should be strictly adhered to. **Bills of the services hired outside rate contract will not be entertained by the finance.**

Yours faithfully,

Shati
Jt. Registrar 28/8/19

Copy forwarded for information and necessary action to the followings;

1. All the Deans,
2. All the Heads of the Departments / Coordinators of the Schools,
3. The Coordinators / Incharge of Units / Centres / Offices,
4. All the Professor Incharges,
5. The Chief Councilor, Gymkhana,
6. The Chairman, Institute Works Committee,
7. The Superintending Engineer, Institute Works Department,
8. The Chairman, Senate Library Committee,
9. The Chairman, Cafeteria Committee,
10. The Chairman, Council of Wardens,
11. The Chairman, Web Management & E-mail Services Committee,
12. The Coordinator, GTAC,
13. The Joint Chief Proctor,
14. All the Admin Wardens / Wardens, IIT(BHU) Hostels,
15. The Joint Registrar,
16. All the Asst. Registrar,
17. P.S. to Director,
18. P.A. to the Registrar,

Indian Institute of Technology (BHU)

Shati
Jt. Registrar 28/8/19

- 1 -

INDIAN INSTITUTE OF TECHNOLOGY (BHU)

CAMC RATE CONTRACT OF ALL TYPE OF AIR-CONDITIONERS FOR THE SESSION 2019 - 20 & 2020 - 21.

Firm on Rate Contract : M/s. Frenco, D 17/111, Dashaswamedh Road, Varanasi 221 001

Sl. No.	Particulars	Rate/each (Rs.)
A.	Window & Split A.Cs	
1	Window A.C. 1.0 & 1.5 Ton	3150/-
2	Split A.C. 1.5 Ton	3,950/-
3	Split A.C. 2.0 Ton	4,250/-
4	Mega Split A.C. 2.5 Ton & 3.0 Ton	8,900/-
5	Cassette A.C.	3,500/- per Ton
6	Verticool Split A.C.	3,500/- per Ton
7	Inverter A.C. upto 2.0 Ton	3,600/- per Ton
B.	Ductable Plants	4,200/- per Ton
C.	Packaged Plants	4,500/- per Ton
D.	Central A.C. Plants	3,750/- per Ton

Scope of CAMC

1	Four servicing in a year at site. This includes through cleaning of unit, lubrication of motor, checking of electrical wiring and parts. After completion of job a report will be submitted by the firm.
2	In addition to the above, additional servicing in every month (From April to September) to check the performance of A.C.
3	Replace/repair of the electrical parts, gas and compressors of the A.C & A.C Plants only during the contract period without any extra cost. The cost of all electronic circuits, PCB, Remote, Panels, Grills, Condenser coils, Cooling Coils are not covered under the CAMC and that will cost extra as per the price list.
4	All faults will be attended within shortest possible time.

Terms & Conditions :

1	All Machines will be taken over in running condition and final inspection shall be made by vendor Technician.
2	If any fault will be located in machine that will be repaired at Institute cost on the list price of Spares (enclosed), before taking the contract.
3	The CAMC charges will be payable six (6) monthly on bill basis.
4	The cartage will be payable extra, if machine has to be carried over to vendor factory for repair.
5	All losses due to voltage fluctuation, mishandling, natural calamity, Theft and major clause applied.
6	The GST will be payable extra as per the Govt. rule. Any variation in Tax slab/ new induction of tax will be payable accordingly.

INDIAN INSTITUTE OF TECHNOLOGY (BHU)	
CAMC RATE CONTRACT OF ALL TYPE OF AIR-CONDITIONERS FOR THE SESSION 2019 - 20 & 2020 - 21.	
<i>Firm on Rate Contract : M/s. Frengo, D 17/111, Dashaswamedh Road, Varanasi 221 001</i>	
Terms & Conditions :	
7	The cost of the parts/job, which do not include in contract will be payable extra as per attached price list.
8	Special institutional discount @ 10% for One Year and 12.5% for more than one year i.e. upto 3 years will be applicable on the approved price.
9	The charges for any shifting/dismantling of machines will payable as per site requirement.
10	Any civil/ carpenter/plumbing/ Electrical work other than machines work is not include in the contract.
11	. Every machine under CAMC should be with proper Voltage Stabilizer
12	In case of Central Plant, the rates are applicable for Chiller, AHUs, Pumps & Cooling Tower i.e only moving parts other than these the cost of Panels, Filters, Pipes, Valves, Ducts, Grills, Diffusers Etc has to be paid extra.

INDIAN INSTITUTE OF TECHNOLOGY (BHU)

**BUY-BACK OFFER OF ALL TYPE OF AIR-CONDITIONERS,
DUCTABLE & PACKAGED PLANTS**

Firm on Rate Contract : M/s. Frenco, D 17/111, Dashaswamedh Road, Varanasi 221 001

Sl. No.	Particulars	Rate	Each / Per Ton
A.	Window & Split A.Cs		
1	Window A.C. 1.0, 1.5 & 2.0 Ton	2,690/-	Each
2	Split A.C. 1.5 Ton	3,680/-	Each
3	Split A.C. 2.0 Ton	4,180/-	Each
4	Mega Split A.C. 2.5 Ton & 3.0 Ton	6,800/-	Each
5	Cassette A.C. upto 4.0 Ton	10,300/-	Each
6	Verticool Split A.C. 2.5, 3.5 & 4.5 Ton	9,200/-	Each
B.	Ductable Plants & Packaged Plants	700/-	Per Ton
C.	Central A.C. Plants	900/-	Per Ton
Terms & Conditions :			
1	Buyback will include complete set of machines i.e. machines including other accessories in the aforesaid prices.		

INDIAN INSTITUTE OF TECHNOLOGY (BHU)

PRICE LIST OF SPARES PARTS OF DUCTABLE & PACKAGED AIR CONDITIONERS

Firm on Rate Contract : M/s. Frenco, D 17/111, Dashaswamedh Road, Varanasi 221 001

Sl. No.	Name of the Parts	Rate/each
1	Compressor- 4.4 Ton	38,800/-
2	Compressor- 5.5 Ton	42,800/-
3	Compressor- 8.5 Ton	67,600/-
4	Compressor- 11.0 Ton	84,000/-
5	Inverter Compressor- 5.0 Ton	78,500/-
6	Inverter Compressor- 8.5 Ton	96,700/-
7	PCB Circuit- Ductable A.C	13,500/-
8	PCB Circuit- Packaged A.C	15,300/-
9	PCB Circuit- Inverter Ductable A.C	19,000/-
10	PCB Circuit- Inverter Packaged A.C	23,200/-
11	PCB Circuit with Remote- Ductable A.C	20,500/-
12	PCB Circuit With Remote-Packaged A.C	23,800/-
13	Blower Motor IDU- Ductable A.C	11,800/-
14	Blower Motor IDU- Packaged A.C	16,500/-
15	Condenser Fan Motor ODU- Ductable & Packaged	10,800/-
16	Air Filter- Ductable	1,250/- per Ton
17	Air Filter- Packaged	1,600/- per Ton
18	Blower-Ductable A.C	10,500/-
19	Blower-Packaged A.C	12,800/-
20	Single Phase Preventer	4,250/-
21	Complete Timer Set for Stand By Unit- Packaged	44,500/-
22	Complete Timer Set for Stand By Unit- Ductable	40,500/-
23	Gas Charging- Ductable & Packaged Unit	2,950/- Per Ton
24	N2 Flushing, Leakage Testing & Vaccumissing	450/- Per Ton
25	Servicing of Ductable & Packaged Unit	750/- Per Ton
26	Al. Powder Coated Grill	6,250/- per Sqft
27	Al. Powder Coated Diffusers	7,350/- per Sqft
28	Dismantling of Ductable/ Packaged Unit	1,950/- per Ton
29	Complete Outdoor Unit of 5.5 Ton	90,000/-
30	Complete Outdoor Unit of 8.75 Ton	1,28,000/-
31	Complete Outdoor Unit of 11 ton	1,73,000/-
32	Complete Indoor Unit of 5.5 Ton	55,000/-

INDIAN INSTITUTE OF TECHNOLOGY (BHU)		
PRICE LIST OF SPARES PARTS OF DUCTABLE & PACKAGED AIR CONDITIONERS		
<i>Firm on Rate Contract : M/s. Frenco, D 17/111, Dashaswamedh Road, Varanasi 221 001</i>		
Sl. No.	Name of the Parts	Rate/each
33	Complete Indoor Unit of 8.75 Ton	88,000/-
34	Complete Indoor Unit of 11 Ton	1,06,300/-
35	HP- LP Switch Ductable A.C	8,600/-
36	HP- LP Switch Packaged A.C	10,900/-
37	Sensor for Ductable A.C	1,850/-
38	Sensor for Packaged A.C	2,100/-
39	Expansion Valve 4.4 Ton/ 5.5 Ton	12,600/-
40	Expansion Valve 8.75 Ton	13,800/-
41	Expansion Valve 11 Ton	14,500/-
42	Dismantling of Duct & Insulation	650/- per Sqmt
43	Ducting with 22G	1,060/- per Sqmt
44	Ducting with 24G	920/- per Sqmt
45	Insulation Nitrile Rubber- 13 mm	590/- per Sqmt
46	Insulation Nitrile Rubber- 9 mm	520/- per Sqmt
47	Insulation Nitrile Rubber- 6 mm	460/- per Sqft
48	Insulation with XLP 13 mm	680/- per Sqft
49	Insulation with XLP 9 mm	590/- per Sqmt
50	Duct Acoustic with Glass wool, Al. Zali, Tissue Paper	980/- per sqmt
51	Canvass Connection fire Proof	1,080/- per Sqmt
52	AHU Connection	1,970/- per Ton
53	Installation of Ductable A.C	11,250/- per Ton
54	Installation of Packaged A.C	13,850/- Per Ton
55	Installation of Inverter Ductable A.C	15,650/- per Ton
56	Installation of Inverter Packaged A.C	18,750/- Per Ton
57	Motorized Dampers for Ductable A.C	39,900/-
58	Motorized Dampers for Packaged A.C	48,700/-
59	MS Stand for ODU for Ductable & Packaged A.C	7,650/-
60	Underdeck Insulation	88/- per Sqft
61	False ceiling/ Return Air Duct with 2'x2' Calcium Silicate Tiles/ Gypsum Board	89/- per Sqft

INDIAN INSTITUTE OF TECHNOLOGY (BHU)		
PRICE LIST OF SPARES PARTS OF DUCTABLE & PACKAGED AIR CONDITIONERS		
<i>Firm on Rate Contract : M/s. Frenco, D 17/111, Dashaswamedh Road, Varanasi 221 001</i>		
Sl. No.	Name of the Parts	Rate/each
62	Insulated Drain Line (Exposed)	140/- RFT
63	Insulated Drain Line (Cancelled)	210/- RFT
64	Acoustic Sound Proofing	325/- Sqft
65	Copper Piping, Insulation, Supporters, Nut Bolts, Painting of Pipe (if required), Angle Brackets, Wiring Between Indoor & Outdoor	850/- per RFT
66	P/F Glass Wool 25 mm	610/- per Sqmt
67	Duct Cleaning	24/- per Sqft
68	UVC Emitters	36,000/- Each
69	Artic Master for 5.5 Ton Capacity	60,000/- Each
70	Artic Master for 8.5 Ton Capacity	60,000/- Each
71	Artic Master for 8.75 Ton Capacity	60,000/- Each
72	Artic Master for 11 Ton Capacity	1,15,000/- Each
73	Artic Master for 16.5 Ton Capacity	1,78,500/- Each
74	Artic Master for 22 Ton Capacity	1,78,500/- Each
75	End Suction Pump for Condenser & Chilled Water Circulation	2,80,000/- Each
76	AHU for Air Supply	48/- per CFM
77	VFD - Energy Saving Device	1,28,900/- Each
Terms & Conditions :		
1	GST: Extra as applicable	
2	DISCOUNT: 5%	
3	The Discount for Price of Copper Piping, Compressors/ Installation of A.Cs will not be applicable.	
4	The Payment will be against satisfactory completion of work..	
5	Any Civil/Masonry/ Electrical cabling/Painting/Provision of Plant Room/ Plumbing/ Carpenter will be done at departmental level.	
6	Delivery Period : 3-4 Weeks.	
7	The installation of Ductable/Packaged A.C include Duct, Insulation, Grills, Diffusers, Canvas, testing and commissioning.	
NOTE: The price Quoted for Compressors are under replacement basis against defective Compressor. The Defective Compressor will be taken back by the vendor.		

INDIAN INSTITUTE OF TECHNOLOGY (BHU)

PRICE LIST OF SPARES PARTS OF WINDOW / SPLIT / MEGA SPLIT / VERTICOOL / INVERTOR AIR CONDITIONERS

Firm on Rate Contract : M/s. Frengo, D 17/111, Dashaswamedh Road, Varanasi 221 001

Sl. No.	Name of the Parts	Rate / each
1	Compressor- 1.0 Ton	10,800/-
2	Compressor- 1.5 Ton	12,450/-
3	Compressor- 2.0 Ton	14,950/-
4	Compressor- 2.5 Ton	20,400/-
5	Compressor- 3.0 Ton	22,500/-
6	PCB Circuit 1.0/1.5/2.0 Ton	8,600/-
7	PCB Circuit 2.5/3.0 Ton	10,800/-
8	PCB Circuit Cassette/Verticool	13,900/-
9	R. Capacitor- 36 MFD	825/-
10	R. Capacitor- 45 MFD	985/-
11	R. Capacitor- 60 MFD	1,150/-
12	S. Capacitor- 80-100	650/-
13	S. Capacitor- 100-120	850/-
14	Relay	760/-
15	Blower Motor- Window A.C	5,990/-
16	Blower Motor- Split A.C	5,310/-
17	Blower Motor- Mega/Verticool/Cassette Split A.C	8,280/-
18	Condenser Motor- CFM- Split A.C	5,470/-
19	Condenser Motor- CFM- Mega/Cassette/Verticool Split A.C	6,500/-
20	Indoor Unit- SAC-1.5/2.0 Ton	18,900/-
21	Indoor Unit- SAC-2.5/3.0 Ton	31,200/-
22	Outdoor Unit of 1.5/2.0 Ton	29,800/-
23	Outdoor Unit of 2.5/3.0 Ton	39,800/-
24	Capillary & Filter- 1.0/1.5/2.0 Ton- WAC, SAC	675/-
25	Capillary & Filter- 2.5/3.0 Ton- Mega/Cassette /Verticool SAC	990/-
26	Thermostat Switch	1,350/-
27	Sensors for All Model A.Cs	1,450/-
28	Complete Remote Set- window A.C	7,500/-
29	Remote with PCB Circuit- Split A.C	9,200/-
30	Remote with PCB Circuit- Mega Split A.C	10,100/-

INDIAN INSTITUTE OF TECHNOLOGY (BHU)

PRICE LIST OF SPARES PARTS OF WINDOW / SPLIT / MEGA SPLIT / VERTICOOL / INVERTOR AIR CONDITIONERS

Firm on Rate Contract : M/s. Frenco, D 17/111, Dashaswamedh Road, Varanasi 221 001

Sl. No.	Name of the Parts	Rate / each
31	Air Filter- WAC	950/- Per Ton
32	Air Filter- SAC	1,450/- Per Ton
33	Front Grill- WAC	3,200/-
34	Lower Motor- WAC & SAC	1,760/-
35	Gas Charging- WAC 1.0, 1.5 & 2.0 Ton	3,250/-
36	Gas Charging- SAC 1.0, 1.5 & 2.0 Ton	3,850/-
37	Gas Charging- SAC 2.5 & 3.0 Ton	6,950/-
38	Gas Charging- Verticool/Cassette upto 4.5 Ton	7,950/-
39	N2 Flushing, Leakage Testing & Vaccummissing	225/- Per Ton
40	ODU Stand for Split A.C	1,650/-
41	ODU Stand for Mega Split A.C	3,250/-
42	ODU Stand for Cassette/ Verticool Split A.C	4,200/-
43	Insulated Drain Line (Exposed)	140/- RFT
44	Insulated Drain Line (Cancelled)	210/- RFT
45	Servicing of Window A.C	550/-
46	Timer for Split/Window A.C	10,500/-
47	Timer for Mega Split/Cassette/Verticool A.C	13,500/-
48	Servicing of Split A.C	750/-
49	Servicing of Mega Split A.C	950/-
50	Dismantling of Window A.C	550/-
51	Dismantling of Split A.C	850/-
52	Servicing of Verticool/Cassette A.C	1,650/-
53	Dismantling of Mega/Verticool/Cassette A.C	1,450/-
54	Installation of Window A.C	1,200/-
55	Installation of Mega A.C	9,500/-
56	Installation of Cassette/Verticool A.C	10,500/-
57	Installation of Split A.C	1,600/-
58	Copper Piping, Insulation, Wiring Between Indoor & Outdoor for Split A.C	320/- per RFT
59	Copper Piping, Insulation, Wiring Between Indoor & Outdoor for Mega/ Verticool / Cassette A.C	675/- per RFT

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<i>Firm on Rate Contract : M/s. Frenco, D 17/111, Dashaswamedh Road, Varanasi 221 001</i>	
Terms & Conditions :	
1	Payment : 100% bill basis.
2	GST : As applicable.
3	Discount : 5%.
4	Delivery period : 3 - 4 weeks.
5	The Discount for Price of Copper Piping, Compressors/ Installation of A.Cs is not applicable.
6	Any Civil/Masonry/ Electrical cabling/Painting/Provision of Plant Room/ Plumbing/ Carpenter will be done at departmental level.
NOTE: The price Quoted for Compressors are under replacement basis against defective Compressor. The Defective Compressor will be taken back by the vendor.	