

Tender
of
MINOR RESEARCH PROJECT
from
GUJCOST, Gandhinagar

B & B Institute of Technology,
Vallabh Vidyanagar
Dist: Anand, Gujarat
Pin: 388120
Phone: 02692-237240
www.bbit.ac.in

Schedule of Requirement

For

Minor Research Project (MRP) from GUJCOST

Mechanical Engineering Department

B. & B. Institute of Technology, Vallabh Vidyanagar – 388 120.

Ref.: GUJCOST/MRP/15-16/1046 dated 23/09/2015

Item No.	Name of the Equipments/Items	Brief Description of the Equipment/Items	Specifications	Quantity
1	Temperature Logger System	Data The instrument scans and measures temperature parameter with all graphical solution from different channel by using the sensor PT-100 and it is displayed on 3 digit 7 segment LED display. Sensor should be calibrated and The instrument does not require a skilled operator for its operation.	Appendix I	01
2	Thermocouple with Display	Thermocouple in range of 10 to 100 °C with digitally display in single or multiple boards.	Range ±100	06
3	Pressure Transducer Indicator	Digital Pressure measuring Instrument	Range -1 to 4 bar	01
4	Conventional air Cooling System	1TR capacity Conventional Split air conditioning system with all accessories.	Appendix II Cooling Capacity:24000 BTU/Hr Phase : Single/Three Voltage: 230V Reciprocating/Rotary Compressor	01

Place of Delivery:

To,
Project Investigator,(GUJCOST)
Head of Department
Mechanical Engineering Department
B. & B. Institute of Technology
Vallabh Vidyanagar, Dist: Anand, Pin: – 388 120.

Appendix I (Item No.: 1)

Technical Specification for Temperature Data Logger

Parameter	Description	Remarks
No. of Channels	Min: 04 Channels Channels skip facility should be available	
Sensor:	RTD PT-100 with various probe length from 5cm to 30cm	
Range:	0 °C to 50 °C	
Measuring Interval:	It should be in Minute	
Accuracy:	±0.5%	
Display:	Computerized system with all related and supported software	
Storage:	Data storage should be in Memory stick or USB	
Supply Voltage:	230V, ,50Hz Stabilized	
Output:	Graphically as well as in printable mode	
Required Accessories:	Cable, Storage Device, Cabinet	

Appendix II (Item No.: 4)

Technical Specification for Air Cooling System

1. Star rating : 5 Star
2. Cooling Capacity(KW/hr): above 3000KW/hr
3. Compressor Type: Rotary type
4. Compressor warranty: 5 years
5. Air circulation(CFM H/M/L): above 300/250/200
6. Moisture Removal(L/hr): above 1
7. IDU Noise level(dBA) : $\leq 45/40/35$
8. Control : Microprocessor controlled codeless remote
9. Power Source (V/Hz/Ø) : 230/50/1
10. Display : LED/LCD
11. Remote control distance : Min 10 meters Voltage Stabilizer
12. Voltage Stabilizer Wall mounts type with Time delay, High& low voltage& Thermal overload protection.
13. Capacity: 4 KVA
14. Warranty: 2 years
15. Input voltage: 130-300 V
16. Output Voltage : 200-240 V
17. High Voltage Cut Off : 240
18. Efficiency: >95%
19. Frequency : 50Hz

Equipment shall be supplied along with:

20. 4m copper piping with superlon insulation for suction line
21. 4m copper piping with superlon insulation for Discharge line
22. 1m PVC piping for drain
23. Indoor - Outdoor unit connecting power cable and required cable from power socket to stabilizer and from stabilizer to AC Unit
24. Base plate for hanging indoor unit

Terms and Conditions:

- 1) Sealed tender marked with **“Bid for Minor Research Project (MRP) from GUJCOST”** should be addressed to – The Principal, B. & B. Institute of Technology, Vallabh Vidyanagar – 388 120. (Gujarat).
- 2) The Tender documents will be available from the Institute by Paying Tender fee Rs. 100/- (Rupees one Hundred only) per Tenderer can be Downloaded from website www.bbit.ac.in. The Tender fee is Non-Refundable.
- 3) Tender fee to be paid in cash or D.D. in favor of “Principal, BBIT, Vallabh Vidyanagar” payable at Vallabh Vidyanagar if Tender Down loaded from the website www.bbit.ac.in.
- 4) a) Delivery should be done within 10days on receipt of firm order.
b) In case of delayed delivery penalty will be charged at 0.5% of the order amount per day up-to a maximum of 5 days, beyond which the order shall automatically stand cancelled if such period is not extended by us.
- 5) Please quote your minimum price only for the make and model no. wherever specified. Makes and model no. other than specified will not be considered.
- 6) Attach your client list especially of Gujarat state using similar equipment with the bid.
- 7) Tender must be accompanied with technical and illustrative literature.
- 8) Price quoted must include the cost of comprehensive training at our institute of the staff of our institute for operating and programming of the equipment’s to be supplied.
- 9) Tender should include the details of after sales services and charges thereof if any, training of personnel, warranty/guarantee details etc. Also include a list of minimum required maintenance tooling.
- 10) A set of operating and programming instruction manual, maintenance manual must be supplied with the machine.
- 11) a) Final payment of equipment will be made only after inspection and satisfactory report of the equipment at our institute.
b) Test chart or certificate will be compulsory wherever applicable.
- 12) Prices quoted should be F.O.R. B. & B. Institute of Technology, Vallabh Vidyanagar – 388 120, District: Anand. (Gujarat)

- 13) Ex-institution charges like packing, forwarding, insurance, installation, should be inclusive.
- 14) The exact amount of taxes, duties and other levies etc. to be charges should be mentioned separately.
- 15) Prices should be quoted in Indian Rupees only.
- 16) Mention validity period of your quoted prices.
- 17) Any other term or condition not covered above should be specified clearly.
- 18) Right of negotiation is reserved by the Project investigator.
- 19) The institute reserves the right to reject any or all tenders without assigning any reason and has right to modify the requirements without assigning any reason.
- 20) Earnest money deposit of Rs.1000/- is to be paid in cheque or D.D. in favor of “Principal, BBIT, Vallabh Vidyanagar” payable at Vallabh Vidyanagar while submitting the tender. the EMD will be returned after the agency is fixed.
- 21) Tenders completed in all respect must reach this office latest by **18/08/2017 before 2:00PM and tender opening on 18/08/2017 at 3:00PM.**
- 22) Jurisdiction – Anand.