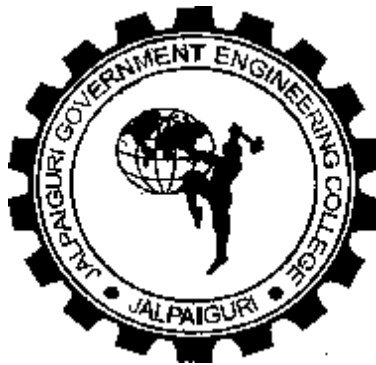


**TENDER DOCUMENT
FOR
PROCUREMENT OF
EQUIPMENTS AND ACCESSORIES
OF RESEARCH PROJECT IN MECHANICAL ENGINEERING DEPARTMENT
FOR WBDHESTB GRANT 162(Sanc.)/ST/P/S&T/6G-09/2017**

Project Grant: 2017-18

Tender Notice No: JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017 Dated 01.12.2018



**JALPAIGURI GOVERNMENT ENGINEERING COLLEGE
JALPAIGURI-735 102**

www.jgec.ac.in

Phone: 03561561 – 255131 (Principal), Fax: 03561 – 256143

255132 (Accounts Officer), 255465 (EPABX)

**OFFICE OF THE PRINCIPAL
JALPAIGURI G GOVERNMENT ENGINEERING COLLEGE
JALPAIGURI – 735 102**

www.jgec.ac.in

e-mail: principal@jgec.ac.in, cpc@jgec.ac.in

**Government of West Bengal
Office of the Principal
Jalpaiguri Government Engineering College
Jalpaiguri -735102**

Memo No. **JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017**

Date: **01-12-2018**

**Notice Inviting Tender
(Section I)**

Office of Issue	: Office of the Principal Jalpaiguri Government Engineering College (JGEC) Jalpaiguri -735102
NIT No.	: JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017
Date of issue of bid document	: 01-12-2018
Tender Forms Available From	: www.jgrec.ac.in
Last date of Receipt	: 18-12-2018 (up to 12'O Clock)
Date of opening of Technical bid	: 18-12-2018 (at 12:30pm)
Date of opening of Financial bid	: 18-12-2018 (at 1:00pm)
Bid Security	: INR 5000.00 (Rupees Five Thousand only)
Total Estimated Cost	: Rs. 2,60,000/- (Rupees Two Lakh Sixty Thousand only) [Approx.]

Sealed limited tenders under two bid systems i.e. "**Technical Bid**" & "**Financial Bid**" are invited from interested and eligible firms for "**Equipments and Accessories of Research Project in Mechanical Engineering Department for WBDHESTB Grant 162(Sanc.)/ST/P/S&T/6G-09/2017**" in Jalpaiguri Government Engineering College.

The Technical & Financial bids should be sealed by the bidder in separate covers duly superscripted "**Technical Bid -NIT No.: JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017**" and "**Financial Bid - NIT No.: JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017**" respectively, and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscripted "**NIT No.: JGEC/PU/162(Sanc.) ST/P/S&T/6G-09/2017**".

Bidders are advised to go through the tender document carefully and understand various provisions contained therein along with their implications. The tender document is not transferable under any circumstances.

Bidders shall have to deposit Earnest Money Deposit (EMD) of Rs. 5,000/- (Rupees Five Thousand only) in the form '**Demand Draft**' drawn on any scheduled bank in favour of "Principal, Jalpaiguri Govt. Engineering College" payable at Jalpaiguri along with the bid.

Intending eligible bidders may obtain a copy of bid document from the website of Jalpaiguri Govt. Engg. College i.e. www.jgrec.ac.in/ Portal and the cost of bid document (Rs. 200/-) may be deposited in the form '**Demand Draft**' drawn on any scheduled bank in favour of "Principal, Jalpaiguri Govt. Engineering College" payable at Jalpaiguri along with the bid.

For any clarification regarding any terms and conditions of the tender, bidders may contact with **Dr. Arijit Kundu, Principal Investigator, Department of Mechanical Engineering, Jalpaiguri Govt. Engg. College.**

(Section – II)

INSTRUCTIONS FOR SUBMISSION OF TENDER

1. BONAFIDE BIDDER

The bidder should be bonafide, which shall mean an entity:

- (a) Having a valid Trade License certificate;
- (b) Having Permanent Account Number;
- (c) Having GST Registration No. (GSTIN), PTAX Registration;
- (d) Having executed at least two purchase orders for supply of stationery of value not less than fifty thousand in any Central/ State Govt. & Public Sector Undertaking / MNC within the preceding five years as on **18-12-2018**;
- (e) Meeting all other requisites laid down in this Section elsewhere.

2. LANGUAGE OF TENDER:

The tender shall be submitted in the prescribed form in English. All papers and correspondences in connection with the tender shall also be in English.

3. VALIDITY:

The validity of the offer shall be for a minimum period of 180 days from the date of submission of the same.

4. SUPPORTING DOCUMENTS:

All the tenders must be accompanied by photocopies/originals of the following documents, hard copies of which may be submitted directly to the Principal of the College at the above address:

- a) Valid “Certificate of Incorporation”/ “Trade License”.
- b) Having GST registration number (GSTIN), PTAX registration;
- c) PAN Card.
- d) “Manufacturer’s Authorization Letter” (if the quoted item is not manufactured by the Bidder itself).
- e) Sales Tax and Income Tax Clearance Certificates, if applicable.
- f) Catalogue including photograph of the specific equipment offered.
- g) List of clients to whom same or similar type of item has/have been supplied during the last 5 (five) years along with satisfactory installation & performance certificate.
- h) Details of service facilities available directly with the Bidder in Kolkata related to all types of support, including installation, maintenance and training
- i) Confirmation of availability of Spare Parts as and when required.

Technical documents must contain the following for each of the Item to which bidder is willing to quote:

- a. Name of Item
- b. Make and model no.
- c. Detailed Technical Specification
- d. Relevant Technical Literature
- e. Specify whether the quoted model conforms the Technical specifications of Item(s) as mentioned in our Bid Document.
- f. Comprehensive on-site Warranty for at least one year or as specified
- g. If the bidder is not the maker of the item, a Proper Authorized Dealership certificate
- h. Bidder’s relevant credentials
- i. Supplementary information, if any, may be submitted under separate cover before the last date of submission of the tender.
- j. Proof of Bid Security Deposit.

Check list of ANNEXURE-III for other document may be consulted.

5. OPENING OF TENDER:

- a. Last date of submission of the Bids is **18th December, 2018 up to 12.00 Hours.**
- b. Technical Bids will be opened on **18th December, 2018 at 12.30 Hours** at the office of Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal, in the presence of the intending bidders/their authorized representatives, if any.
- c. If for any administrative reason the date of the opening of the tenders is a declared a holiday, the tender will be opened on the next working day at the same time and place.
- d. If the tender could not be opened on the date of opening due to any unavoidable circumstances, the next date of opening of tender may be known from the college website.
- e. The bidder's representatives present at the time of opening of bid shall sign in an attendance register. Authorisation letter to this effect shall be submitted by the bidders before they are allowed to participate in bid opening (A Format is given in **ANNEXURE- II**). Only one representative for any bidder shall be authorized and permitted to attend the bid opening.

6. EVALUATION OF TENDER

- i) The purchaser will evaluate and compare the quotations determined to be satisfactorily responsive based on:
 - a) The Bids are properly signed (i.e. signed on all pages and duly stamped)
 - b) The bids which conform to the Laid Down terms and conditions as mentioned in the tender document,
 - c) The bids which are found technically suitable according to the technical specifications of the purchaser,
 - d) Supporting documents submitted along with the bids as required in item no. 5 above under heading "SUPPORTING DOCUMENTS" are LEGIBLE.
- ii) The quotations would be evaluated as a whole (not item wise).
- iii) The Purchaser shall be under no obligation to accept the lowest quotation. Further the college reserves the right to reject all or any of the tenders without assigning any reasons, if any discrepancy is found in the bid.

7. DELIVERY:

Free delivery of the consignment is to be made on the premises of Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal, 735102 within the stipulated date to be mentioned in the purchase order and the same has to be tested/commissioned/installed immediately. Part delivery will not be entertained.

8. PRICE:

The prices of the items may have separate Price Components and Taxes & Duties Components (Tax & Duties Components which are required to be borne and paid by the Purchaser). The price component should be the basic price of the item, including cost of packing, installation, commissioning, training to personnel etc., if any. However, the quoted prices should be inclusive of all and to be written both in figures and words. Correction if any, shall be made by crossing and sign with date and re-writing. In case of conflict between the figures & words latter will prevail. The price quoted by the Bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. Each Bidder shall submit one item per one quotation only. Conditional Discounts in the Price offered by the Bidder will not be entertained. The prices shall be quoted in Indian rupees only for stores of Indian origin. Price preference as per existing government rules shall be given to eligible bidders.

QUOTED PRICE SHOULD BE ON THE BASIS OF UNIT PRICE (Nos./Sets/Users whichever is applicable as per annexed S.O.R.). Quoted Price should be as a whole and it will not be evaluated on item-wise.

(a)The college will provide DSIR Certificate for availing concessional Duties (if required), after observing the necessary formalities.

(b)The college will also provide WAY BILL in Form 50 of the West Bengal Value Added TAX Rules, 2005 (if required) after observing the necessary formalities by the suppliers.

9. ACCEPTANCE OF MATERIAL/INSPECTION/QUALITY ASSURANCE:

After issuance of purchase order in favour of successful bidder, the latter has to make necessary arrangement for inspection and testing of the consignment by the tender inviting authority, i.e. Principal, Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal, or his representative, if he deems fit. In such case, Principal, Jalpaiguri Government Engineering College may accept only tested cleared consignment.

10. BID SECURITY MONEY FOR TENDER:

For each S.O.R., 5,000/- (Five Thousand Rupee only) security money deposit for security purpose through a demand draft in favour of “Principal, Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal,” payable at Jalpaiguri. **No interest will be paid on Tender bid security money.**

11. PAYMENT/ PERFORMANCE SECURITY:

i) 100% payment shall be made to the supplier after the processing of the Bill through e-clearance as per existing norm of State Government after the receipt of the ordered item(s) in full and in good condition at the premises of the Purchaser and issue of satisfactory performance certificate by the USER.

ii) Along with the Bill, Bidder has to submit a performance security of 5% of the Billing Amount which will be retained during the period of warranty as performance guarantee.

12. GUARANTEE/WARRANTY:

The warranty shall be comprehensive and for a period **of 01 (ONE) YEAR or mentioned in the item descriptions from the date of satisfactory installation and commissioning of the item on the premises of the Purchaser.** In case the bidder shall remain responsible without cost to buyers from all defects in materials/spares and workmanship which may develop in normal use and which have been called to the attention of the successful bidder prior to expiry of the guarantee period, it will be the responsibility of the bidder to take up the matter with their respective manufacturers for fulfillment of the guarantee/warranty provisions. Duly filled in Warrantee/Guarantee card shall have to supply in cases of supply of all items. In case of failure on the part of the bidder to remedy the defects/replace the materials within a reasonable period (30 days) in spite of due Intimation by the Principal, Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal, the purchaser reserves the right to remedy the defects /replace the materials at the cost and responsibility of the bidder without further notice and the same shall be deducted from his security deposit. In addition, normal warranty as provided by the original equipment manufacturer of the replaced parts has to be extended to the purchaser.

13. LIQUIDATED DAMAGES:

Liquidated Damages shall be levied in case of delay in the delivery of goods or completion of the Works and shall be levied at the rate of 2% per month of delay or part thereof. Liquidated Damages will be subject to a ceiling of 10% of the contract price and shall be levied by way of Pre- estimated damages and not by way of penalty.

14. INSURANCE:

The Goods under supply must be fully insured against any loss or damages during transit or storage or during commissioning or installation.

15. FORCEMAJEURE:

There could be circumstances/events where the supplier/contractor may not be in a position inspite of his best efforts, to meet the delivery/completion schedule due to events beyond their control and not foreseeable such as wars, riots, fires, floods, epidemics, other natural calamities, quarantine restrictions and freight embargo etc. In such cases, suitable delivery extensions based on merit of the case may be granted for arranging the delivery of goods or completion of works on the basis of written application by the supplier/contractor at the discretion of the college authority. Also the supplier shall not be made liable for forfeiture of performance security, liquidated damages or termination of contract as per provisions made in the contract elsewhere due to reasons for delay mentioned above.

16. PATENT RIGHTS:

The supplier/contractor should have proper and valid licensee / right to the use of and/ or supply the product/ services for their design, material or manufacturing and it's patent, trademark or industrial design rights in the purchaser's country. The supplier/contractor should safeguard the interest of the purchaser from any third party claim towards the infringement of it and indemnify the purchaser.

17. LAWS GOVERNING THE CONTRACT:

- i) The contract shall be governed by the laws of the Union of India in force.
- ii) All disputes are subject to the jurisdiction of courts of law situated in Jalpaiguri only.

18. ARBITRATION:

In the event of any question, dispute or difference arising under the conditions of Contract, or any special conditions of contract, or in connection with the contract (except as to any matters the decision of which is specially provided for by these or the special conditions) the same shall be referred to the sole arbitration of an officer as per prevailing

norms of Govt. of West Bengal.

19. FRAUD AND CORRUPTION:

The Bidders, Suppliers, Contractors and heir Subcontractors and Consultants in the contracts require to observe the highest standard of ethics during the procurement and execution of this contract by not being engaged in Corrupt, fraudulent, collusive, coercive or obstructive practice as generally defined. Non-compliance of the above will lead to rejection of proposal for award/declaring a firm or individual ineligible even for future bidding.

20. AWARD OF CONTRACT:

The purchaser shall award the contract, within the validity period of tenders, to the bidder who meets the tender conditions in all aspects, has the necessary technical and production capabilities and financial resources and whose bid is substantially responsive to the tender conditions and has offered the lowest evaluated cost offered by the technically accepted bidders. The terms of the accepted offer shall be incorporated in the purchase order.

21. INCIDENTAL SERVICES:

The supplier shall be required to provide any or all of the following services, including additional services, if any, free of cost:

- (a) Performance or supervision of the on -site assembly and/or start-up of the supplied Goods.
- (b) Furnishing of tools required for assembly and/or maintenance of the supplied Goods.
- (c) Furnishing of detailed operations and maintenance manual for each appropriate unit of supplied Goods.
- (d) Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this Contract.
- (e) Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods/software.

22. SPECIAL ATTENTION:

All bidders are to note that tenders containing any deviation from the terms and conditions, specifications and other requirement are liable to be rejected. The bidder who does not meet the appropriate standard of capability and financial resources, may not be considered. The tender inviting authority reserves all rights to reject any or all the tenders without assigning any reason and also split up the supply if necessary and to accept the tender in whole or part. Invitation of the tender shall under no circumstances create any right, legal or otherwise in favour of the bidder in case the tender is closed, withdrawn or cancelled before issuance of purchase order nor shall the inviting authority be liable to explain the reason of such closure, withdrawal or cancellation of the tender.

While tenders are under consideration, bidders and their representatives or other interested parties shall refrain from contacting by any means any persons or representatives of the purchaser, i.e. Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal, on matters relating to the tender under study. The purchaser if necessary may request for clarification of tender in writing. After the public opening of the tenders, information relating to examination, clarification and evaluation of tenders and recommendations concerning awards shall not be disclosed to bidders or other persons not officially concerned with this process until the successful bidder is notified of the award of the contract.

ANNEXURE - I
LETTER OF SUBMISSION OF TENDER

To
The Principal
Jalpaiguri Government Engineering College
Jalpaiguri - 735102

Subject: Tender for "PROCUREMENT OF EQUIPMENTS AND ACCESSORIES OF RESEARCH PROJECT IN MECHANICAL ENGINEERING DEPARTMENT FOR WBDHESTB GRANT 162(Sanc.)/ST/P/S&T/6G-09/2017"

Tender Notice No. JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017 dated 01.12.2018

Dear Sir,

Subject to the conditions given in the tender documents for the above mentioned contract, I/We hereby tender for the contract for supplying material as Contractor for JGEC for its office at the rates specified in the S.O.R.(Annexure- III) annexed with the documents. I/We hereby certify that I We have examined and am/are fully familiar with all the provisions of the contract documents and I/We are satisfied that they are accurate and agree to abide by all these terms and conditions laid therein.

The following certificates/ documents are enclosed herewith:-

- Tender document with all pages duly signed and embossed with official seal.
- Demand Draft of Rs. 5,000/- (Rupees Five Thousand only) towards Bid Security.
- D.D. of Rs. 200/- (Rupees two hundred only) towards cost of Bid document
- Copy of a valid Trade License certificate
- Copy of PAN Card.
- Copy of Valid 15-digit Goods and Services Tax payer Identification Number (GSTIN) under GST Act, 2017
- Proof of registration for PTAX.
- Copy of latest PTAX, IT return.
- Copy of Registration No (for Co-operative Societies)
- Copy of Registration No (for S.S.I. Units)
- A self-certificate to the effect that the tenderer has not been blacklisted by any Central/State Govt. organization, Public Sector Units or its contracts have not been terminated on account of poor performance.
- "Manufacturer's Authorization Letter" (if the quoted item is not manufactured by the Bidder itself).
- The Schedule of Rates (SOR) duly filled and signed is enclosed in a separate sealed envelope as Financial Bid.
- Catalogue including photograph of the specific equipment offered.
- List of clients to whom same or similar type of item has/have been supplied during the last 5(five) years along with satisfactory installation & performance certificate.
- Details of service facilities available directly with the Bidder in Kolkata related to all types of support, including installation, maintenance and training
- Confirmation of availability of Spare Parts as and when required.
- A self-certificate to the effect that the tenderer has not been blacklisted by any Central/State Govt. organization, Public Sector Units or its contracts have not been terminated on account of poor performance.
- Technical documents must contain the following for each of the Item to which bidder is willing to quote:
 - a. Name of Item
 - b. Make and model no.
 - c. Detailed Technical Specification
 - d. Relevant Technical Literature
 - e. Specify whether the quoted model conforms the Technical specifications of Item(s) as mentioned in our Bid Document.
 - f. Comprehensive on-site Warranty for at least one year or as specified.
 - g. If the bidder is not the maker of the item, a Proper Authorized Dealership certificate
 - h. Bidder's relevant credentials.
 - i. Supplementary information, if any, may be submitted under separate cover before the last date of submission of the tender.

I/We do hereby declare that the entries made in the tender and Annexure attached therein are true.

Yours faithfully,

Signature of Bidder

Name: _____

Mobile/Tel No.: _____

Address : _____

ANNEXURE - II

NIT No.: JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017 Dated 01.12.2018

LETTER OF AUTHORISATION FOR ATTENDING BID OPENING

Subject: Authorization for attending bid opening of Tender for Supply of Stationery & other general items.

A person is hereby authorized to attend the bid opening for the tender mentioned above on behalf of

_____ (Bidder) in order of preference given below.

Name & Specimen Signature of Bidder

Or

Officer authorized to sign the bid documents on behalf of the bidder.

Note:

1. Only one representative will be permitted to attend bid opening. Alternate representative will be permitted when regular representative are not able to attend.
2. Permission for entry to the hall where bids are opened may be refused in case authorization as prescribed above is not received.

ANNEXURE-III**NIT No.: JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017 Dated 01.12.2018****CHECKLIST and the order in which the documents are to be submitted for the Technical Bid.**

Please check whether all the below mentioned documents have been supplied for participating in the tender for hiring of vehicles. The documents are to be submitted in descending order.

SL	Documents	Page No
1.	Letter Of Submission Of Tender (Annexure I)	
2.	Tender Document with all pages duly signed and embossed with the official seal	
3.	Demand Draft of Rs. 5,000/- (Rupees Five thousand only) towards Bid security	
4.	Demand Draft of Rs. 200/- (Rupees two hundred only) towards cost of Bid document	
5.	Copy of a valid Trade License certificate	
6.	Copy of PAN Card.	
7.	Copy of registration certificate for GST, PTAX.	
8.	Copy of latest PTAX, IT return.	
9.	Copy of Registration No (for Co-operative Societies)	
10.	Copy of Registration No (for S.S.I. Units)	
11.	List of clients to whom same or similar type of item has/have been supplied during the last 5(five) years along with satisfactory installation & performance certificate.	
12.	A self-certificate to the effect that the tenderer has not been blacklisted by any Central/State Govt. organisation, Public Sector Units or its contracts have not been terminated on account of poor performance.	
13.	Letter of authorization for attending bid opening (Annexure II)	
14.	Any Other document (please specify)	
15.	Schedule of Rates (Annexure IV)	
16.	Name of Item	
17.	Make and model no.	
18.	Detailed Technical Specification	
19.	Relevant Technical Literature	
20.	Specify whether the quoted model conforms the Technical specifications of Item(s) as mentioned in our Bid Document	
21.	Comprehensive on-site Warranty for at least one year or as specified	
22.	If the bidder is not the maker of the item, a Proper Authorized Dealership certificate	
23.	Bidder's relevant credentials	
24.	Annexure - V	

Bidders to ensure

- A. That all pages have been stamped and signed by the authorized person(s).
- B. That all the pages have been numbered.
- C. That all the documents are legible (clearly readable).

SL NO.	Bidder to ensure	Yes/ No
1.	That all pages have been stamped and signed by the authorized person(s).	
2.	That all the pages have been numbered.	
3.	That all the documents are legible (clearly readable).	

NIT No: JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017 Dated: 01.12.2018

Details
of
Procurement of Equipments and Accessories
for
Research Project in Mechanical Engineering Department

Item description in JGEC Tender 2018

SCHEDULE OF RATES (S.O.R.)

ANNEXURE-IV

(To be kept in a separate envelope)

NIT No.: JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017 Dated 01.12.2018

SCHEDULE OF RATES (S.O.R.) TO BE QUOTED FOR SUPPLY OF INSTRUMENT/EQUIPMENT AND OTHER ITEMS FOR THE WBDHESTB RESEARCH GRANT IN CE DEPARTMENT, JGEC

Sl. No.	Name of the Item and Descriptions	Unit Code	Required quantity (Approx.)	Unit/Unit price	Total Amount (in Rs.) Inclusive of all Taxes
1	<p>REFRIGERANT FLOWMETER</p> <p>a) Helical Flow Sensor & Meter b) Material of construction: SS c) Desired Scale: m³/sec or Lit/sec d) Accuracy (standard installation position) : +/- 0.25 to 0.5% FSD e) Maximum working pressure : 100 bar f) Fluid & Ambient temperature: -40 to 120-150°C g) Connection: Thread (M) h) Refrigerant: HFO i) Battery Operated Display with 4-20 mA output.</p>	ME/01	01	set	
2	<p>DIFFERENTIAL PRESSURE TRANSMITTER</p> <p>a) Instrument Range: 0 to 10000 mm H₂O b) Calibration Range : 0 to 5000 mm H₂O c) Power Supply: 24 VDC d) Output : 4-20 mA j) Refrigerant: HFO e) Process Connec. : 1/4" NPT (F) 2 nos. f) Electrical Connec. : 1/2" NPT (F) 2 nos.</p>	ME/02	01	set	
3	<p>PRESSURE TRANSMITTER</p> <p>a) OUTPUT : 4-20 MA b) WITH ZERO SPAN ADJUSTMENT, CONN:1/2" BSP M c) ACCURACY: +/-0.25%FS d) TEMP RANGE: (-)30 -100°C e) RANGE: 0 -10 BAR k) Refrigerant: HFC/HFO</p>	ME/03	04	set	
4	<p>SURFACE MOUNTED RTD</p> <p>a) Surface Temperature Film Rtd. b) Sensing Element: Flat Thin Platinum film c) Type: 3 Wire d) Size of Element:10mmx3mm(+/- 1mm) e) Extension Leads: 2 m Long Teflon/teflon Insulated Wire f) Accuracy: +/-0.2% g) Temp. Range: -20 to 100°C</p>	ME/04	10	set	
5	<p>WATT METER</p> <p>a) Input Impedance 0.002 ohm b) Control Power 230 Volt AC ± 10%, 50/60 Hz, 3VA. c) Voltage Input 300 V Max d) Current Input 7A Max e) Operating Temperature: 0 to 70°C Storage Temperature: - 20 to 100°C f) Relative Humidity: 95% g) Dielectric 2 KV/minute.</p>	ME/05	01	set	

Sl. No.	Name of the Item and Descriptions	Unit Code	Required quantity (Approx.)	Unit/Unit price	Total Amount (in Rs.) Inclusive of all Taxes
6	ROTAMETER a) Pressure 12 psi (G) b) Measuring Range 1-10 lpm c) Measuring Tube Borosilicate Glass d) Fluid: water e) Connection Type: Flanges f) Inlet-Outlet Direction: Bottom - Top g) Test Pressure: 25 kg/cm ² (g), h) Accuracy +/-2 % FS	ME/06	01	set	
7	DATA LOGGER a) UNIVERSAL INPUT (pressure+temperature RTD+Mass flow rate) b) 16 channel c) RS485+RJ45(ETHERNET)+ USB COMMUNICATION d) DATA DOWNLOADING SOFTWARE	ME/07	01	set	
8	SIGHT GLASS a) Temperature: -30 to 100°C b) Pressure: Max. 50 bar c) Material : High tempered borosilicate glass d) Frame: Brass structure e) Process Connec. : Treaded 0.5" diameter f) Refrigerant: HFO/HFC	ME/08	01	set	
9	VARIABLE SPEED RECIPROCATING COMPRESSOR HERMATIC a) Temperature: -10 to 60°C b) Pressure: Max. 15 bar c) Speed: 200-600r.p.m. d) Process Connec. : Treaded 0.5" diameter Refrigerant: R134a	ME/09	01	set	
10	FINNED TUBE a) Fin Material: Copper/SS b) Tubes Material :Copper/SS c) Diameter: 9.52 mm or less d) Length: 2 m each e) Configuration: Longitudinal and spiral, each one nos.	ME/10	02	item	

Note: Quantity may vary at the time of placing the order.

Sd/-
(Dr. Amitava Ray)
Principal
Jalpaiguri Government Engineering College
Jalpaiguri

ANNEXURE – V

NIT No.: JGEC/PU/162(Sanc.)/ST/P/S&T/6G-09/2017 Dated 01.12.2018

**MODEL FORM OF WARRANTY CLAUSE
(See Clause 11(a) of Rule 47 of W.B.F.R. – I)**

The contractor/seller hereby declares that the goods/stores/articles sold to the buyer under this contract shall be of the best quality (and workmanship) and shall be strictly in accordance with the specifications and particulars contained/mentioned in the clause _____ hereof and the Contractor/seller hereby guarantees that the said goods/stores/articles would continue to conform to the description and quality aforesaid for a period of _____ days/months from the date of delivery of the said goods/stores/articles to the Purchaser and that notwithstanding the fact that the Purchaser (Inspector) may have inspected and/or approved that said goods/stores/articles, if during the aforesaid period of _____ days/months the said goods/stores/articles be discovered not to conform to the description and quality aforesaid or have deteriorated (and the decision of the Purchaser in that behalf will be final and conclusive) the Purchaser will be entitled to reject that said goods/stores/articles or such portion thereof as may be discovered not to conform to the said description and quality. On such rejection the goods/articles/stores will be at the Seller's risk and all the provisions herein contained relating to rejection of goods etc. shall apply. The contractor/seller shall, if so called upon to do, replace the goods etc. or such portion thereof as is rejected by the Purchaser otherwise the contractor/seller shall pay to the purchaser such damages as may arise by reason of the breach of the condition herein contained. Nothing herein contained shall prejudice any other right of the Purchaser in that behalf under this contract or otherwise.

Signature of Bidder

Name: _____

Mobile/Tel No.: _____

Address : _____