

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

Memo No. JGEC/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01 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/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01
Date of issue of bid document	: 01-12-2018
Tender Forms Available From	: www.jgec.ac.in
Last date of Receipt	: 15-12-2018 (up to 12'O Clock)
Date of opening of Technical bid	: 15-12-2018 (at 12:30pm)
Date of opening of Financial bid	: 15-12-2018 (at 1:00pm)
Cost of Bid Document	: Rs. 200/- (Rupees two hundred only)
Earnest Money	: Rs. 10000/- (Rupees ten thousand only)
Total Estimated Cost	: Rs. 470000/- (Rupees four lakh seventy thousand only) [approx.]

Sealed limited tenders under two bid systems i.e. "**Technical Bid**" & "**Financial Bid**" are invited from interested and eligible firms for "**Supply of instrument/equipment and other items for the WBDHESTB research grant in CE Department, JGEC**" 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/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01 Supply of instrument/equipment and other items for the WBDHESTB research grant in CE Department, JGEC**" and "**Financial Bid - NIT No.: JGEC/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01 Supply of instrument/equipment and other items for the WBDHESTB research grant in CE Department, JGEC**" respectively and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscripted "**JGEC/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01 Supply of instrument/equipment and other items for the WBDHESTB research grant in CE Department, JGEC**".

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. 10,000/- (Rupees Ten 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.jgec.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 to the **Dr. Arghadeep Biswas, Principal Investigator, Department of Civil Engineering, Jalpaiguri Govt. Engg. College.**

(Section – II)

INSTRUCTIONS FOR SUBMISSION OF TENDER

1. BONAFAIDE BIDDER

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

- a) Having a valid "Certificate of Incorporation"/ "Trade License".
- b) Having Permanent Account Number;
- c) Having GST Registration No. (GSTIN), PTAX Registration;
- 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 for 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, 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.

2. TENDER DOCUMENT

The tender must be submitted through a 'Letter of Submission of Tender' as per Annexure-I in the manner indicated below, failing which the tender is liable to be rejected. Incomplete or conditional tender is also liable to be rejected.

3. SUBMISSION OF TENDERS - TIME LIMIT/MODE

The tender documents duly completed should be submitted in two separate parts. The first part should be sealed in a separate envelope and superscripted as "**Technical Bid - NIT No.: JGEC/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01 Supply of instrument/equipment and other items for the WBDHESTB research grant in CE Department, JGEC**". This should contain all the information which would enable Tender Issuing Authority to decide on credentials of the bidders for performing/ doing the job besides EMD (para 4 below) and other documents listed below in **para 4 of Section II** and elsewhere in the Section.

The second part will consist of the "**Financial Bid - NIT No.: JGEC/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01 Supply of instrument/equipment and other items for the WBDHESTB research grant in CE Department, JGEC**" and should be superscripted on the second envelope as such. Both the envelopes should be sealed in one envelope and duly superscripted as "**Tender for - NIT No.: JGEC/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01 Supply of instrument/equipment and other items for the WBDHESTB research grant in CE Department, JGEC**" and addressed to "The Principal, Jalpaiguri Govt. Engg. College, Jalpaiguri - 735102"

4. THE FOLLOWING DOCUMENTS MUST BE SUBMITTED IN THE TECHNICAL BID

- Letter of Submission of tender.
- Tender document with all pages duly signed and embossed with official seal.
- Demand Draft of Rs. 10,000/- (Rupees Ten Thousand only) towards EMD.

- D. D. of Rs. 200/- (Rupees two hundred only) towards cost of Bid document.
- Copy of a valid Trade Licence certificate.
- Copy of PAN Card and Latest IT Return.
- Copy of Valid 15-digit Goods and Services Taxpayer Identification Number (GSTIN) under GST Act, 2017.
- Copy of registration certificate for PTAX.
- Copy of Registration No (for Co-operative Societies).
- Copy of Registration No (for S.S.I. Units).
- "Manufacturer's Authorization Letter" (if the quoted item is not manufactured by the Bidder itself).
- Sales Tax and Income Tax Clearance Certificates, if applicable.
- 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.
- Technical documents must contain the following for each of the Item for 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, 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.

5. THE FOLLOWING DOCUMENTS MUST BE SUBMITTED IN THE FINANCIAL BID

The Schedule of Rates (SOR) given at Annexure-IV duly filled in and signed by the bidder, shall be submitted in the 'Financial Bid'.

All rates shall be quoted only in the proper form i.e. in the SOR (Annexure-IV) **inclusive of taxes and should not exceed the MRP**. Each page shall be signed in full by the bidder or his authorized signatory as described in paras above.

6. TERMS & CONDITIONS GOVERNING THE CONTRACT

GENERAL TERMS & CONDITIONS

- a. The schedule of rates should be filled in carefully after considering all the aspects of contract **and "Terms & Conditions Governing the Contract"**. No request for change or variation in rates or terms and conditions of the contract shall be entertained on the grounds that the bidder had not understood the work envisaged by this tender document. Any overwriting in the schedule of rates should be avoided. In case of a mistake, the mistake should be clearly cut and the correction should be signed in full by the bidder or his authorized signatory.
- b. The tender document duly completed as described in para above must reach the designated address up to 12'O Clock **on 15-12-2018** positively.
- c. Sealed tenders shall be submitted either by post/with acknowledgement due or in person. Tenders by Telegram/ Fax will not be considered.
- d. Tenders received after the scheduled date and time shall not be considered under any circumstances.
- e. J.G.E.C. reserves the right to:-

Accept or reject any or all the Technical and financial Bids without assigning any reasons at any point of time and the decision of the JGEC authority will be final. Relax the tender conditions at any stage if considered necessary for the purpose of finalising the contract in the overall interest of JGEC.

Disqualify the bidders blacklisted by Central/State Govts./Public Sector Units or whose contracts have been terminated on account of poor performance.

- f. Each folio of tender document and every supporting documents attached with it shall be signed by the intending bidder or such person on his behalf as is legally authorized to sign for and on his behalf and embossed with official seal at the time of submission.
- g. Tenders containing erasures, omissions or alterations are liable to be rejected. If any corrections become necessary these must be made in ink and all such corrections must be attested by full signature of the bidder with seal.
- h. The materials to be supplied should be strictly as per specification. If there is found any dispute such as quantity, quality, specification etc. the supplier will be black listed and the payment will be forfeited for the materials so supplied.
- i. The authority may deduct necessary taxes from the payment to the suppliers as per existing laws.
- j. *No interest will be paid on the EMD.***

OPENING OF BIDS:

The technical bids will be opened in the presence of bidders or their authorized representatives **at 12:30 pm on 15-12-2018**. 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.

The date fixed for opening of bids, if subsequently declared as holiday, the revised date of schedule will be notified. However, in absence of such notification, the bids will be opened on the next working day, time and venue remaining unaltered.

VALIDITY OF OFFER:

The bidder will be required to keep the offer open for a period of **120 (one hundred and twenty) days** from the last date of submission of tender. It shall be understood that the tender document have been sold/issued to the bidder and the bidder is permitted to tender with the stipulation that after submitting his tender, he shall not rescind his offer or modify the terms and conditions thereof in any manner that is not acceptable to JGEC.

ACCEPTANCE OF TENDER:

- a. The authority for acceptance of the tender documents and tendered rates will rest with the competent authority of JGEC who does not bind himself to accept the lowest or any other tender, nor does he undertake to assign reasons for his decision in this matter.
- b. Acceptance of tendered rates will be communicated through a letter as soon as possible.
- c. All the tender documents submitted by a bidder shall become the property of JGEC and JGEC shall have no obligation to return the same to the bidders.
- d. Canvassing in connection with tender is strictly prohibited and the tender submitted by the bidder who resorts to canvassing will be liable for rejection.**
- e. If the bidder deliberately gives wrong information or conceals any information/facts in his tender, which shall be favourable for acceptance of his tender fraudulently, then JGEC reserves the right to reject such tender at any stage of execution without any financial liability.
- f. The bidder shall treat the contents of the tender documents as private and confidential

TERMS OF DELIVERY:

Door delivery at Jalpaiguri Government Engineering College, JGEC Campus, Department of Civil Engineering, Jalpaiguri - 735102.

DELIVERY PERIOD:

Free delivery, including installation and commissioning, Within 15 days of the placement of confirmed supply order on the firm or as stipulated in the Supply Order. Part delivery will not be entertained.

PAYMENT TERMS:

- (i) Payment shall be released on satisfactory receipt of the goods/articles ordered. However, **performance security of 5% of the Billing Amount will be retained during the period of warranty as performance guarantee.** Advance payment will not be made under any circumstances.
- (ii) Taxes will be deducted as per applicable rules.
- (iii) Tax invoice(s) needs to be issued by the supplier for raising claim under the contract showing separately the tax charged in accordance with the provisions of GST Act, 2017**

GUARANTEE/ WARRANTY:

The contractor shall guarantee that the stores, articles sold/ supplied to the purchaser under this contract shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars contained/ mentioned in the Tender enquiry. The date of manufacturing of the items supplied will not be more than 3 (Three months) old. The contractor shall guarantee that the said goods/ stores articles would continue to conform to the description and quality aforesaid for a period of twelve months, from the date of providing of the said goods/ stores / articles to the purchaser.

The decision of the JGEC shall be final as to the quality of the stores and shall be binding upon the bidders and in case of any of the articles supplied not being found as per specification shall be liable to be rejected or replaced and any expenses or losses caused to the suppliers shall be borne by the supplier. It will be the responsibility of the supplier to ensure that articles supplied are of the best quality and free from all defects. The items/ articles supplied will not be more than 3 months (Three months) old.

The acceptance of articles will be given only when the articles are found up to the specifications given in the tender enquiry and free from all defects. The rejected items must be removed by the bidders from the consignee's premises within 07 days from the date of the information about their rejection. The in-charge stores concerned will take reasonable view of such materials but in no case shall be responsible for any loss, shortage, damage that may occur to it while it is in the premises of the consignee.

Liquidated Damages shall be levied in case of delay in the delivery of goods or completion of 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.

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

There could be circumstances/events where the supplier/contractor may not be in a position in spite 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.

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.

EARNEST MONEY:

The bidder will be required to deposit a sum of Rs. 10,000/- (Rupees Ten Thousand only) as earnest money along with completed tender documents. The earnest money is towards an undertaking by the bidder that the bidder will not back-out from his offer or modify the terms and conditions thereof in a manner not acceptable to JGEC. Should the bidder fail to observe or comply with the said stipulation, the entire amount shall be liable to be forfeited by JGEC. **No interest will be paid on the EMD.**

JGEC reserves the right to terminate the Agreement any time without assigning any reason/notice.

CRITERIA FOR EVALUATION OF BIDS:

Technical Bid:- The technical bids of the bidders will be opened in the first stage and will be evaluated on following criteria:-

- Letter of Submission of tender.
- Tender document with all pages duly signed and embossed with official seal.
- Demand Draft of Rs. 10,000/- (Rupees Ten Thousand only) towards EMD.
- D. D. of Rs. 200/- (Rupees two hundred only) towards cost of Bid document.
- Copy of a valid Trade Licence certificate.
- Copy of PAN Card.
- Copy of Valid 15-digit Goods and Services Taxpayer 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).
- "Manufacturer's Authorization Letter" (if the quoted item is not manufactured by the Bidder itself).
- Sales Tax and Income Tax Clearance Certificates, if applicable.
- 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.
- Technical documents must contain the following for each of the Item for 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, 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.

Financial Bid:- The financial bids will be opened only in respect of those firms, which meet the technical bid criteria mentioned above.

Contract will be awarded to the firms which emerge as **L1** as per price mentioned in SOR, for particular item(s).

ANNEXURE - I
LETTER OF SUBMISSION OF TENDER

To,
The Principal,
Jalpaiguri Govt. Engg. College,
Jalpaiguri – 735102.

**Subject: Tender for "Supply of instrument/equipment and other items for the WBDHESTB
research grant in CE Department, JGEC"**

Tender Notice No. JGEC/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01

Dear Sir,

Subject to the conditions given in the tender documents for the abovementioned 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. 10,000/ - (Rupees Ten Thousand only) towards EMD.
- D. D. of Rs. 200/ - (Rupees two hundred only) towards cost of Bid document
- Copy of a valid Trade Licence certificate
- Copy of PAN Card.
- Copy of Valid 15-digit Goods and Services Taxpayer 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)
- "Manufacturer's Authorization Letter" (if the quoted item is not manufactured by the Bidder itself).
- Sales Tax and Income Tax Clearance Certificates, if applicable.
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- 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.
- Technical documents must contain the following for each of the Item for 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, 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.
- 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.

- The Schedule of Rates (SOR) duly filled and signed is enclosed in a separate sealed envelope as Financial Bid.

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/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01****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 authorised 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 authorised 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/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01

CHECK LIST and the order of 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 official seal	
3.	Demand Draft of Rs. 10,000/- (Rupees Ten thousand only) towards EMD	
4.	Demand Draft of Rs. 200/ - (Rupees two hundred only) towards cost of Bid document	
5.	Copy of a valid Trade Licence 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 authorisation 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, 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).	

ANNEXURE-IV

(To be kept in a separate envelope)

NIT No.: JGEC/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01

**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	Unit	Required Unit (Approx.)	Unit Rate (in Rs.) (approx.)	Total Amount (in Rs.) Inclusive of all Taxes
CE/01	Standard Test Sieves for fine aggregate analysis: As per IS:460 specifications, of 200 mm diameter made of brass frame without any joint with stainless steel sieve cloth with square openings of sizes: 4.75mm, 2.36mm, 0.60mm, 0.30mm, 1.18mm, 0.10mm, 0.075mm complete with lid and receiver made of brass to suit above sieves	Set	1		
CE/02	Hydro-Meter: As per IS:2720 (IV), for suspended fine size aggregate analysis	No.	2		
CE/03	Digital balance (5 kg Capacity): Sensitivity 1 gm	No.	1		
CE/04	Specific Gravity Bottle: As per IS:2720(1) Standard scientific specific gravity bottle	No.	3		
CE/05	Laboratory Vane shear Test Equipment: - As per IS: 2720 (Part 30), Consist of a torque head, adjustable in height by means of a lead screw rotated by a drive wheel to enable the vane to be lowered into specimen. - Rotation of the vane is by means of an electric motor which operates a worm gear arrangement turning the upper end of a calibrated torsion spring. The vane shaft is attached through the hollow upper shaft to a resettable pointer which indicates the angle of torque on a dial graduated in degrees. The dial reading multiplied by spring factor gives the torque suitable for operation on power supply 220/240V 50HZ AC single phase, complete with all accessories (including calibrated spring of different capacities) and operating / instructional manual	Set	1		

Sl. No.	Name of the Item	Unit	Required Unit (Approx.)	Unit Rate (in Rs.) (approx.)	Total Amount (in Rs.) Inclusive of all Taxes
CE/06	Load Frame, Motorised 30 speeds: <ul style="list-style-type: none"> - Two pillar type. - Detachable Frame. - Enclosed Motor and Gear system. - Jewel Lamps indicating direction of motion. - Should be useful for Triaxial and CBR Tests. - Rates of strain: 30 fixed speeds between 0.00048 mm/min and 6.00 mm/min. - Suitable for operation on 220 V, 50 Hz, single phase, AC supply. 	No.	1		
CE/07/a	Digital Load Cell capacity 10 kN	No.	1		
CE/07/b	Foil Type Strain Gauge (compatible to be used at moist soil-sand interface): <ul style="list-style-type: none"> - Gauge Length 20/25/30 mm - Along-with adhesive and cleaning agent 	No.	10		
CE/07/c	Triaxial Cell, Stationary Bushing: As per IS : 2720 (Part XII). For testing specimen of size 38mm dia x 76mm long. Triaxial Cell consists of Perspex chamber with anvil and loading plunger. The equipment consist of the following:- <ul style="list-style-type: none"> • Top loading pad, Perspex, 38 mm dia. 1 No. • Plain Perspex disc 38mm dia x 6 mm thick 1 pair. • Porous Stone 38mm dia x 6 mm thick. 1 pair. • Sheath stretcher for 38 mm dia specimen 1 No. • Two way split former for 38 mm dia specimen 1 No. • Rubber sheath for 38 mm dia specimen 12 Nos. • Drainage tube (short), 38 mm 4 Nos. • Drainage tube (long), 38 mm 4 Nos. • 'O' rings for 38mm dia specimen 4 Nos. • Split Mould, 38mm dia 1 No. • Top loading pad 38mm (plain) 1 No. 	Set	1		

Sl. No.	Name of the Item	Unit	Required Unit (Approx.)	Unit Rate (in Rs.) (approx.)	Total Amount (in Rs.) Inclusive of all Taxes
CE/07/d	<p>Constant Pressure System Oil Water Type: Constant Pressure Systems are meant for maintaining the pressure in the triaxial cell constant by automatically compensating for the fluctuation of cell pressure taking place as a result of volume change occurring in the cell due to expansion of the specimen under high pressure, entry of the loading plunger into the cell, consolidation of specimen, etc.</p> <ul style="list-style-type: none"> - Pressure Capacity should be at least 10 bar (10kg/cm²) - Resolution : 0.1 kg/ cm² - Accuracy: ± 1% (at least) of the indicated pressure Supplied complete with Pressure Gauge, Flow Valves, connecting Pressure Hose. - Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply. 	No.	1		
CE/07/e	<p>Pore water pressure transducer: To be attached with triaxial cell to sense pore water pressure developed during testing</p>	No.	1		
CE/07/f	<p>LVDT: Run: 50 mm</p>	No.	1		
CE/07/g	<p>Universal Multi-channel Data logger:</p> <p>(<u>***Must be compatible with the items mentioned in Sl. No. CE/07/a – CE/07/f***</u>)</p> <ul style="list-style-type: none"> - 16-Channels - Communication Interfaces: Ethernet Port, USB Port, Host RS232 Port, Serial Sensor Port - Alarms: <ul style="list-style-type: none"> • Condition: high, low, within range and outside range • Delay: optional time period for alarm response • Actions: set digital outputs, transmit message, and execute any data taker command. - Data Storage : <ul style="list-style-type: none"> - <i>Internal Store</i> <ul style="list-style-type: none"> • Capacity: 128MB (preferable) • Larger storage available with removable USB store device (preferable) 	No.	1		

Sl. No.	Name of the Item	Unit	Required Unit (Approx.)	Unit Rate (in Rs.) (approx.)	Total Amount (in Rs.) Inclusive of all Taxes
	<ul style="list-style-type: none"> - • Types: compatible with USB 2.0 drives, e.g. Flash drive. - Operating Temperature range: -45°C to 70°C - Real-time and historical data for analysis , charts , mimics and tables - Custom pages can be defined - Download data in CSV/.xls format - An extensive range of Arithmetic, Trigonometric, Relational, Logical and Statistical functions should available. 				

Note: Quantity and requirement of listed items may vary at the time of placing the order.

Sd/-
(Dr. Amitava Ray)
Principal
Jalpaiguri Govt. Engg. College
Jalpaiguri

ANNEXURE – V
NIT No.: JGEC/PGEQUIP/183(Sanc.)/ST/P/S&T/6G-33/2017/CE/01

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 : _____