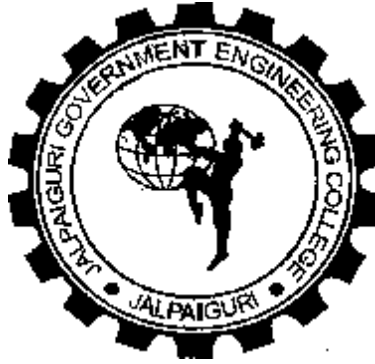


E-tender is being invited for supplying Goods, Repairing & Maintenance
Follow: <http://wbtenders.gov.in> , from: 06.07.2019, 15.00 hours. www.jgec.ac.in
Notice no.:JGEC/SG/2019-20/GOODS/01/CE
Principal, Jalpaiguri Govt. Engg.College

**TENDER DOCUMENT
FOR
PROCUREMENT OF
GOODS AND REPAIRING & MAINTENANCE UNDER SG
State Grant:2019-20**

Tender Notice No: JGEC/SG/2019-20/GOODS/01/CE dated 06.07.2019



JALPAIGURI G 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 GOVERNMENT ENGINEERING COLLEGE

JALPAIGURI – 735 102

www.jgec.ac.in

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

GENERAL INFORMATION TO THE TENDERERS

1. INVITATION:

Two Bid Tenders are invited by the Principal, Jalpaiguri Government Engineering College, from bonafied and experienced firms/agencies through the e-tendering portal of the Govt. of West Bengal (<https://wbtenders.gov.in>) for supply of machinery, laboratory equipment, accessories, consumables etc. for different academic/ non-academic departments /sections as listed from the manufacturers / their authorized distributors /dealers / as applicable.

While the main tender document (both technical and financial) must be submitted electronically following the instructions given in the said portal, hard copies of the technical bid together with all supporting documents (as submitted electronically) may be submitted directly to the Principal of the College at the above address *before the opening of tender at time specified* in this document.

An index page for the submitted bid document must be attached placing at next to the top page as follows:

Sr. no.	Name of Items / documents	Page nos.		

Related BOQs is **JGEC/SG/2019-20/GOODS/01/CE Dated: 06.07.2019**

2. LANGUAGE OF TENDER: The tender shall be submitted in the prescribed form 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:

- Valid Registration Certificate (for MSME Units, S.S.I. Units, Co-operative Societies) if applicable.
- Valid Trade License/ Certification of Incorporation *with clear description of nature of business.*
- PAN Card.
- GST Registration No. (GSTIN)
- Latest Professional Tax Payment Certificate (PTPC) / PT deposit challan for current financial year.
- Proof of EMD Deposit, if applicable.
- Manufacturer's Authorization Letter (if the Bidder is not manufacturer of the quoted item) for mentioned item(s) only (**for all the items of this tender Except Item Nos. CE-26 & 27**)
- Relevant Technical Literature, Detailed Specifications and Catalogue including photograph of the specific equipment offered.
- Credentials are to be in the form of Purchase order along with Payment Certificate/ Performance Certificate / Installation certificate from buyer.
- Details of service facilities (Technical and Human Resource) available directly with the Bidder related to all types of support including installation, maintenance and training and address details of nearest Service Center is to be provided for **Repairing & Maintenance Work only.**
- NABL Accreditation Certificate must be provided for Calibration Job only.
- Comprehensive on-site warranty for at least one year from the date of installation must be given.
- NSIC/MSME/SSI units and Co-operative Societies are exempted from deposition of EMD on production of satisfactory documents in support of their claim. In case of NSIC/MSME/SSI, photo copy of valid Certificate (Current) should be submitted/uploaded in "Fee Cover" in lieu of EMD.**
- Relevant Government Order for exemption in respect of above mentioned requirements, where ever applicable.**
- Supplementary information if any may be submitted under separate cover before the last date of submission of the tender.

All the above documents should be serially as per order given with page numbers

GENERAL CHECKLIST OF ANNEXURE-II for other document should be consulted.

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

- Name of Item.

- b. Make and model no.
- c. Relevant Technical Literature with detailed Technical Specification.
- d. Manufacturer's Authorization (if the Bidder is not manufacturer) for mentioned item(s) only
- e. Comprehensive on-site Warranty for at least one year or as specified.

Item wise Checklist of ANNEXURE-III for other document should be consulted.

5. OPENING OF TENDER:

- Last date of submission of the Bids is 23th July, 2019 up to 14.00Hours
- Technical Bids will be opened on 25th July, 2019 at 14.30 Hours. at the office of Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal, in presence of the intending bidders / their authorized representatives, if any.
- If for any administrative reason the date of opening of the tenders be a declared a holiday, the tender will be opened on the next working day at the same time and place.
- 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.

6. EVALUATION OF TENDER

- i) The purchaser will evaluate and compare the quotations determined to be satisfactorily responsive based on:
 - a) the Laid Down terms and conditions as mentioned in the different sections of the tender document,
 - b) The bids which are found technically suitable according to the technical specifications of the purchaser,
 - c) Supporting documents submitted along with the bids as required in Section 4 above under heading "SUPPORTING DOCUMENTS" are LEGIBLE.
- ii) The quotations would be evaluated separately for each item.
- iii) The Purchaser shall be under no obligation to accept the lowest quotation. Further, the college authority 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 at 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, F.O.R. Destination door delivery basis, 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 signing with date and re-writing. In case of conflict between the figures & words **the 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 BOQ wise bids i.e. only items of any particular BOQ per bid. 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 BOQs). Quoted Price should be item-wise and it will be evaluated on item-wise (like CE-1, CE-2 etc.).

If asked by the Supplier, the college authority may provide declaration certifying that the said goods are required for Research and Development purposes only for availing concessional GST.

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, the Principal, Jalpaiguri Government Engineering College may accept only tested cleared consignment.

10. SECURITY MONEY FORE-TENDER:

10,000/- (Ten Thousand Rupee only) security money deposit for e-Tender security purpose in favour of “ Principal, Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal,” to be remitted electronically through the above mentioned portal, salient features of which are given in **Annexure I. Note:**

Traditional process of deposit of SECURITY MONEY through offline instruments like Bank Draft, Pay Order etc. has been stopped for e-tender procurement of this Institute w.e.f. 01.09.2016. Necessary SECURITY MONEY will be deposited by the bidder electronically: online – through his net banking enabled bank account, maintained at any bank or: offline – through any bank by generating NEFT/ RTGS challan from the e-tendering portal. Intending Bidder will get the Beneficiary details from e-tender portal with the help of Digital Signature Certificate and may transfer the SECURITY MONEY from their respective Bank as per the Beneficiary Name & Account No., Amount, Beneficiary Bank name (ICICI Bank) & IFSC Code and e-Proc Ref No. Intending bidder who wants to transfer SECURITY MONEY through NEFT/RTGS must read the instruction of the Challan generated from E- Procurement site. Bidders are also advised to submit SECURITY MONEY of their bid, at least 5 working days before the bid submission closing date as it requires time for processing of Payment of SECURITYMONEY.

11. PAYMENT/ PERFORMANCE SECURITY:

- i) 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 at the premises of the Purchaser.** In case the bidder shall remain responsible without cost to buyer for 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 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 be supplied 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 reasonable period(30days) 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 for 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 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 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.

16. PATENTRIGHTS:

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 its 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 GOVERNINGTHECONTRACT:

- i) The contract shall be governed by the laws of the Union of India in force.
- ii) All disputes are subject to jurisdiction of courts of law situated at 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 their 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 requirements are liable to be rejected. The bidder who do 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.

23. Important Dates:-

01. Date of uploading of N.I.T. & Tender documents(online): 06.07.2019, 12:00 Hours.
02. Starting of Documents download(online): 06.07.2019 from 12:00 Hours.
03. Bid Submission starting (online): 06.07.2019 from 12:00 Hours.
04. Last date of Documents download and submission of bid (on line): 23.07.2019, 14:00 Hours.
05. Date of Technical Bid opening : 25.07.2019, 14:30 Hours.
06. Date of uploading list for Technically qualified Bidder (online) : To be notified later
07. Date of opening of Financial Proposal(online) : To be notified later
08. Date of uploading of list of bidders along with the approved rate : To be notified later

JGEC/SG/2019-20/01/CE Dated: 06.07.2019

Details
of
Procurement of Goods
for
Civil Engineering Department
Jalpaiguri Government Engineering College

Item descriptions corresponding to referred/ attached
BOQ

Items:

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units
1	2	3	4	5
1	<p>Triaxial Test Equipment:</p> <p>(i) Motorised Load Frame, 30 Speeds</p> <p>(a) Two pillar type. (b) Detachable Frame. (c) Enclosed Motor and Gear system. (d) Jewel Lamps indicating direction of motion. (e) Should be useful for Triaxial and CBR Tests.- Rates of strain: 30 fixed speeds between 0.00048 mm/min and 6.00 mm/min. (f) Suitable for operation on 220 V, 50 Hz, single phase, AC supply.</p> <p>(ii) 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:-</p> <p>(a) Top loading pad, Perspex, 38 mm dia. 1 No. (b) Plain Perspex disc 38mm dia x 6 mm thick 1 pair. (c) Porous Stone 38mm dia x 6 mm thick. 1 pair. (d) Sheath stretcher for 38 mm dia specimen 1 No. (e) Two way split former for 38 mm dia specimen 1 No. (f) Rubber sheath for 38 mm dia specimen 12 Nos. (g) Drainage tube (short), 38 mm 4 Nos. (h) Drainage tube (long), 38 mm 4 Nos. (i) 'O' rings for 38mm dia specimen 4 Nos. (j) Split Mould, 38mm dia 1 No. (k) Top loading pad 38mm (plain) 1 No.</p> <p>(iii) Constant Pressure System Oil Water Type: Constant Pressure Systems are meant for applying and 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. <p>(iv) Pore pressure apparatus: To be attached with triaxial cell to sense pore water pressure developed during testing, readable up to 20 kg/cm²</p> <p>(v) Proving ring of 2.5 kN</p> <p>(vi) dial gauge of least count 0.01 mm and travel 25 mm</p>	CE-1	1	Set
2	<p>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.</p>	CE-2	1	Set
3	<p>Direct Shear Test Apparatus: As per IS 2720 (XIII) and IS 11229 specifications, multiple reversal type with 12 variable speeds, with loading unit of capacity 8 kg/sq.cm. normal stress on a square specimen of 60mm × 60mm × 25mm and motorized to give strain on the specimen at 12 rates ranging from 1.25 to 0.002 mm/min; shear box assembly for square specimen of 60mm × 60mm × 25mm in shear box housing, specimen cutter, set of weights to give normal stress up to 8 kg/sq.cm, with suitable holders for dial gauges (included, 2 nos.) and tension-compression Proving Ring (included), suitable for operation on power supply 220/240V 50HZ AC single phase, complete with all accessories and operating / instructional manual.</p>	CE-3	1	Set
4	<p>Permeability test apparatus (constant and falling head)[strictly as per IS 2720-XVII] -glass tubes of different diameter, with required mould, porous plate (8 nos.) and complete with other accessories as required</p>	CE-4	1	Set
5	<p>Standard Test Sieves for fine aggregate analysis</p> <p>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, 0.425 mm, 0.60mm, 0.30mm, 1.18mm, 0.15 mm, 0.212 mm, 0.090 mm, 0.075mm complete with lid and receiver made of brass to suit above sieves</p>	CE-5	1	Set
6	<p>Hydro-Meter:As per IS:2720 (IV), for suspended fine size aggregate analysis</p>	CE-6	2	No.

7	Digital balance (220 g Capacity) Sensitivity 0.001 gm	CE-7	1	No.
8	Digital balance (5 kg Capacity) :Sensitivity 0.5 gm	CE-8	1	No.
9	Specific Gravity Bottle (Borosil) : As per IS:2720(1) Standard scientific specific gravity bottle	CE-9	6	No.
10	Measuring Cylinders (Borosil) :Capacity: 1000 ml, 500 ml, 250 ml, 100 ml.	CE-10	6	No.
11	Marshall Stability Test Apparatus: Standards: ASTM: D 1559 T- 62. BS 598-107 Specification: Marshall Apparatus, with digital data acquisition system, Consists Of: <ul style="list-style-type: none"> • Robust construction • 50KN capacity • Rate of travel 50.8mm/min • Safety cut-off switch It consists of body housing, a geared screw jack and motor drive mechanism suitable for operation on 230 V, 50Hz, Single Phase, A.C. supply. <ul style="list-style-type: none"> - MARSHALL LOAD FRAME 1 No. - Breaking Head Stability Mould, with a dial gauge (having 25mm travel and 0.01mm least count), for flow measurement 1 No. - Compaction Mould, Steel cylindrical 3 Nos. - Base Plate 3 Nos. - Extension Collar 3 Nos. - Compaction Pedestal, Manual Operation, Comprising a steel plate capped on a wooden post. A Mould Clamp is fitted to the top of the plate .1 No. - Compaction Hammer satisfies BS 598. The hammer has a 4535 g sliding weight with a free fall of 457 mm 2 Nos. - Load Transfer Bar 1 No. - Paper Discs, Non-absorbent, 11 cm diameter pack of 100 No. 1 Pkt 	CE-11	1	No.
12	Hardness testing machine of Mastic Asphalt	CE-12	1	No.
13	Pensky-Martens (Open &Closed) (Determination of Flash and Fire point of bituminous materials): All features should be as per IS: 1209. The Pensky-Martens (Close type) apparatus should consist of the followings with proper dimension and requirements as per Indian standard: <ul style="list-style-type: none"> - A cup of proper dimension; - A lid including 1) stirring device, 2) cover proper, 3) shutter, and 4) flame-exposure device; A stove having 1) an air bath, and 2) a top plate on which the flange of the cup rest; A thermometer with proper requirements as per code; A proper clip for Pensky-Martens open type(which will replace the cup); Electrically Operated Apparatus (220-240 V, 50/60 Hz single phase);Complete with all accessories including installation and operating /Instructional manual.	CE-13	1	No.
14	Ductility testing machine (Electrically Operated) As per IS 1208 (ASTM D 113): It should be comprised of ductility mould with base plate. It should have water chamber/bath with heating/cooling facility with temperature control, a carriage moving over a lead screw attached with electric motor driven reduction gear unit with at least two different speeds (0.5 cm/min and 1.0 cm/min). The complete assembly must be made of robust metal with a electric motor/pump circulating the water.	CE-14	1	Set
15	Softening Point (Ring and Ball apparatus: Electrically operated) All features should be as per IS: 1205; Two steel balls; each 9.5 mm in dia. And weighing (3.5±0.05) g; Two brass rings: shall be tapered and having the following dimensions: Depth: (6.4±0.1) mm; Inside dia. At bottom: (15.9±0.1) mm; Inside dia. At top:(17.5±0.1) mm and Outside dia.: (20.6±0.1) mm; The ball centering guides and the ring holders are as per IS: 1205; Bath: a heat resistance borosilicate glass vessel not less than 85 mm in dia. and 120 mm in depth; Electrically Operated Apparatus (220-240 V, 50/60 Hz single phase); Complete with all accessories including installation and operating /instructional manual.	CE-15	1	Set
16	Thermometer: Temperature range: 0° to 250 °C. As per relevant IS Code of Practice.: Made of borosilicate glass having good thermal resistance, chemical resistance and mechanical strength; Class A accuracy as per appropriate I.S. Code	CE- 16	4	No.
17	Viscometer (Determination of Kinematic and Absolute Viscosity): All features should be as per IS:1206: Complete with all accessories including installation and operating /instructional manual	CE-17	1	Set
18	Water bath (Electrically operated) Thermostatically controlled 0-100°C, at least 15 Lit. capacity	CE- 18	1	No.
19	Bitumen Penetration Kit : As per IS 1203 (ASTM D 5); Should have a penetration needle, a transfer container/dish (preferably made of copper), and a set of two sample containers of different sizes	CE-19	2	Set
20	Centrifuge Extractor (Electrically Operated) (As per ASTM D 2172)Should have a capacity of at least 1000-1500 gm sample, 0-3600 rpm speed controller	CE-20	1	No.
21	Flakiness (Thickness gauge) and Elongation (Length Gauge): As per IS 2386-I	CE-21	2	Set

22	Assembly for Aggregate Impact Test: As per IS 2386-IV (Consisting of cylindrical cup, metal measure, tamping rod, blow counter.	CE-22	1	Set
23	Pitot Static Tube Complete Set-Up <u>Specifications</u> i) Pitot Tube: Material Copper / Stainless Steel of compatible size fitted with Vernier Scale ii) Test Section: Material Clear Acrylic, Compatible to 1" Dia. Pipe iii) Water Circulation: FHP Pump iv) Flow Measurement: Using Measuring Tank, Capacity 40 Ltrs. v) Stop Watch: Electronic vi) Sump Tank: Capacity 70 Ltrs vii) Control Panel: On / Off Switch, Mains Indicator etc. viii) Tanks will be made of Stainless Steel ix) The whole Set-up is well designed and arranged in a good quality painted Structure	CE-23	1	Set
24	Double Ring Soil Infiltrometer <u>Specifications</u> i) Inner infiltration ring dia.: 30 cm ii) Outer infiltration ring dia.: 60 cm iii) Height of both of the rings: 30 cm or 50 cm iv) Inner ring should have a synthetic measuring bridge v) The measuring rod with float should move freely up and down through a small tube in the measuring bridge. vi) The float is positioned in the middle of the inner ring. vii) The measuring rods have a millimeter calibration. viii) A hammer ix) A stainless-steel hammering cross or driving plate (whichever is available). x) Ring Material: Rings should be made up of stainless steel material.	CE-24	1	Set
25	Frictional loss measuring apparatus for pipes <u>Specifications</u> i) Test Pipes: one 20 mm. G. I. Pipe, one 15 mm. G. I. Pipe, one 15 mm. Copper Pipe and one 15 mm. Aluminum Pipe ii) All Pipes have test length of 1 Mtr. and manifold at inlet and outlet. iii) Flow control valves for each pipe. iv) Piezometer to measure the inlet and outlet heads. v) Measuring tank & stop watch for conventional & recirculating type. vi) Sump tank and recirculating pump for I.R. type equipments. vii) The Equipment Can Be Supplied in Conventional type or Individual Recirculating type with recirculating pump or common recirculating type, suitable for use in hydraulic laboratory.	CE--25	1	Set

26	<p>Laboratory Accessories:</p> <p>(i) Flasks, volumetric, with interchangeable Stopper Accuracy as per class 'A' of IS: 915: 1975 Made of Borosilicate Glass with Works Certificate.</p> <p>a. Capacity: 1000 ml; tolerance: 0.400 ml; stopper size: 19/20: 05 nos.</p> <p>b. Capacity: 500 ml; tolerance: 0.250 ml; stopper size: 19/20: 05 nos.</p> <p>c. Capacity: 250 ml; tolerance: 0.150 ml; stopper size: 14/15: 05 nos.</p> <p>d. Capacity: 100 ml; tolerance: 0.100 ml; stopper size: 14/15: 10 nos.</p> <p>e. Capacity: 50 ml; tolerance: 0.060 ml; stopper size: 10/15: 05 nos.</p> <p>(ii) Flasks Erlenmeyer, Conical, Narrow Mouth with Interchangeable Stopper Made of Borosilicate Glass, Capacity- 250 ml.: 10 nos.</p> <p>(iii) Cylinder Graduated single metric scale, with pour out, Class A, made of Borosilicate glass with works certificate.</p> <p>a. Capacity: 2000 ml; Graduation: 20 mm; tolerance: 10 ml: 01 nos.</p> <p>b. Capacity: 1000 ml; Graduation: 10 mm; tolerance: 5 ml: 01 nos.</p> <p>c. Capacity: 500 ml; Graduation: 5.0 mm; tolerance: 2.5 ml: 03 nos.</p> <p>d. Capacity: 250 ml; Graduation: 2.0 mm; tolerance: 1.0 ml: 05 nos.</p> <p>e. Capacity: 100 ml; Graduation: 1.0 mm; tolerance: 0.50 ml: 05 nos.</p> <p>f. Capacity: 50 ml; Graduation: 1.0 mm; tolerance: 0.50 ml: 05 nos.</p> <p>g. Capacity: 25 ml; Graduation: 0.5 mm; tolerance: 0.25 ml: 05 nos.</p> <p>h. Capacity: 10 ml; Graduation: 0.2 mm; tolerance: 0.1 ml: 05 nos.</p> <p>i. Capacity: 5 ml; Graduation: 0.1 mm; tolerance: 0.05 ml: 05 nos.</p> <p>(iv) Pipettes, Measuring (Mohr Type), Accuracy as per class A of IS : 4162 : 1967, with works Certificate, made of Borosilicate glass.</p> <p>a. Capacity: 25 ml; Graduation: 0.2 mm; tolerance: 0.01 ml: 03 nos.</p> <p>b. Capacity: 10 ml; Graduation: 0.1 mm; tolerance: 0.05 ml: 05 nos.</p> <p>c. Capacity: 5 ml; Graduation: 0.05 mm; tolerance: 0.03 ml: 05 nos.</p> <p>d. Capacity: 1 ml; Graduation: 0.01 mm; tolerance: 0.006 ml: 05 nos.</p> <p>(v) Beakers Griffin, low form, with spout, Graduated made of Borosilicate glass.</p> <p>a. Beaker Capacity - 1000 ml: 05 nos.</p> <p>b. Beaker Capacity - 500 ml: 05 nos.</p> <p>c. Beaker Capacity - 250 ml: 05 nos.</p> <p>d. Beaker Capacity - 150 ml: 05 nos.</p> <p>e. Beaker Capacity - 100 ml: 05 nos.</p> <p>f. Beaker Capacity - 50 ml: 05 nos.</p> <p>(vi) Burettes BoroFlo, fitted with BoroFlo G. P. (general purpose) screw thread stopcocks with PTEE keys, accuracy as per class A or IS : 1997 : 1967 made Borosilicate glass. Capacity - 50 ml; Graduation: 0.10 ml; Tolerance : 0.050 ml: : 10 nos.</p> <p>(vii) Test Tube with or without rim hard glass. Thick wall- $3^2 \times 3/8^2$: 03 nos.</p> <p>(viii) Durham tubes of glass : 02 nos.</p> <p>(ix) Bottles, B. O. D. with interchangeable stopper, made of Borosilicate glass. Capacity (ml.)- 300 ml: 20 nos.</p> <p>(x) Desiccators, vacuum with cover and sleeve, made of Borosilicate glass and porcelain plate. Approximate I.D. Ground flange (mm.)- 200: 02 nos.</p> <p>(xi) Aluminum tray (16 inch): 03 nos.</p> <p>(xii) Bottle, Wash, LDPE plastic type, screw cap, fitted with stopper & delivery tube (500 ml capacity): 12 nos.</p> <p>(xiii) Bottle Specific gravity with stopper Capacity (50 ml.) : 03 nos.</p> <p>(xiv) Funnel plain made of Borosilicate glass</p> <p>a. Dia (mm): 100: 05 nos.</p> <p>b. Dia (mm): 75: 05 nos.</p> <p>(xv) Glass Rod: 05 nos.</p> <p>(xvi) Basins, R. B. with spout Glazed, Diameter 100 mm: 05 nos.</p> <p>(xvii) Dish Culture Petri made of Borosilicate glass. Approximate O. D. \times Height mm. (100 X 17): : 10 nos.</p> <p>(xviii) Glass beads: 1 Kg.</p> <p>(xix) Glass Cuvette of 4 ml capacity with 1 cm path length: 01 set</p> <p>(XX) Magnetic Stirrer : Without Hot Plate, capacity 1000 ml: 01 nos.</p>	CE-26	1	Set
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27	<p>Chemicals for Laboratories:</p> <ul style="list-style-type: none"> (i) Buffer solution pH 4.0: 500 ml (ii) Buffer solution pH 7.0: 500 ml (iii) Buffer solution pH 10.0: 500 ml (iv) Sulphuric Acid about 98% LR: 2500 ml (v) Hydrochloric Acid about 35% LR: 2500 ml (vi) Nitric Acid about 69% LR: 2500 ml (vii) Sodium Hydroxide pellets LR: 500 gm (viii) Sodium hydroxide solution c (NaOH) =0.1 mol/l (0.1 N solution): : 500 ml (ix) Phenolphthalein 1% indicator solution: 250 ml (x) Methyl orange 0.04% indicator solution: 250 ml (xi) Sodium carbonate anhydrous LR: 500gm (xii) EDTA, Disodium Salt, Dihydrate, LR: 100 gm (xiii) EDTA, disodium magnesium salt hydrate, LR: 50 gm (xiv) Eriochrome black T indicator: 25gm (xv) Ammonium chloride LR: 500gm (xvi) Ammonia solution about 25% LR: 2500ml (xvii) Murexide Indicator: 05 gm (xviii) Hydrazine Sulfate Salt: 100gm (xix) Hexamethylenetetramine: 500gm (xx) Potassium chromate LR: 500gm (xxi) Silver nitrate LR: 25gm (xxii) Sodium chloride LR: 500 gm (xxiii) Ammonium iron(II) sulfate hexahydrate: 500 gm (xxiv) Potassium dichromate LR: 500 gm (xxv) Silver sulfate LR: 25 gm (xxvi) Mercury(II) sulfate LR: 250 gm (xxvii) Ferroin indicator solution: 100ml (xxviii) Lactose LR: 500 gm (xxix) Sodium thiosulfate pentahydrate LR: 500 gm (xxx) Sodium iodide LR: 100 gm (xxxi) Sodium azide LR: 500 gm (xxxii) Manganese(II) sulfate monohydrate LR: 500 gm (xxxiii) Starch soluble LR: 500gm (xxxiv) Barium chloride dihydrate LR: 500 gm (xxxv) Glycerol anhydrous LR: 2500ml (xxxvi) Ammonium acetate LR: 500gm (xxxvii) Acetic acid glacial 99 - 100% LR:2500ml (xxxviii) Ethyl Alcohol:500ml (xxxix) Isopropyl Alcohol or 2-Propanol: 2500ml (xl) Sodium sulfate anhydrous LR: 500gm (xli) Hydroxylammonium chloride LR: 250 gm (xlii) 1,10-Phnanthroline (monohydrate) GR and redox indicator: 05 gm (xliii) EC Broth: 500 gm (xliv) Lactose Broth: 500gm (xlv) Potassium nitrate LR: 500 gm (xlvi) Ammonium heptamolybdatetetrahydrate LR: 100gm (xlvii) Potassium antimony (III) oxide tartrate hemihydrate GR: 250 gm (xlviii) Ascorbic acid LR: 500 gm (xlix) Sodium bisulfite: 100 gm (l) Ammonium peroxodisulfate LR: 500 gm (li) Potassium antimony (III) oxide tartrate hemihydrate GR: 250 gm 	CE27	01	Set
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Annexure-I
Government of West Bengal on line e-payment by the bidder

1. Logon by bidder:

- a) A bidder desirous of taking part in a tender invited by a State Government Office/PSU/ Autonomous Body/Local Body/ PRIs, etc shall login to the e-Procurement portal of the Government of West Bengal (<https://wbtenders.gov.in>) using his login ID and password.
- b) He will select the tender to bid and initiate payment of pre-defined EMD / Tender Fees for that tender by selecting from either of the following payments modes:
 - i) Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI Bank Payment Gateway;
 - ii) RTGS/NEFT in case of offline payment through bank account in any Bank.

1. Payment procedure:

- a) Payment by Net-banking (any listed bank) through ICICI Bank Payment Gateway:
 - i) On selection of net banking as the payment mode, the bidder will be directed to ICICI Bank Payment Gateway webpage (along with a string containing a Unique ID) where he will select the Bank through which he wants to do the transaction.
 - ii) Bidder will make the payment after entering his Unique ID and password of the bank to process the transaction.
 - iii) Bidder will receive a confirmation message regarding success/failure of the transaction.
 - iv) If the transaction is successful, the amount paid by the bidder will get credited in the respective Pooling account of the State Government /PSU/Autonomous Body/Local Body/PRIs, etc maintained with the Focal Point Branch of ICICI Bank at R .N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.
 - v) If the transaction is failure, the bidder will again try for payment by going back to the first step.
- b) Payment through RTGS/NEFT:
 - i) On selection of RTGS/NEFT as the payment mode, the e-Procurement portal will show a pre- filled challan having the details to process RTGS/NEFT transaction.
 - ii) The bidder will print the challan and use the pre-filled information to make RTGS/NEFT payment using his Bank account.
 - iii) Once payment is made, the bidder will come back to the e-Procurement portal after expiry of a reasonable time to enable the NEFT/RTGS process to complete, in order to verify the payment made and continue the bidding process.
 - iv) If verification is successful, the fund will get credited to the respective Pooling account of the State Government /PSU/ Autonomous Body/Local Body/PRIs, etc maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.
 - v) Hereafter, the bidder will go to e-Procurement portal for submission of his/her bid.
 - vi) But if the payment verification is unsuccessful, the amount will be returned to the bidder's account.

2. Refund/Settlement Process:

- i) After opening of the bids and technical evaluation of the same by the tender inviting authority through electronic processing in the e-Procurement portal of the State Government, the tender inviting authority will declare the status of the bids as successful or unsuccessful which will be made available, along with the details of the unsuccessful bidders, to ICICI Bank by the e-Procurement portal through web services.
- ii) On receipt of the information from the e-Procurement portal, the Bank will refund, through an automated process, the EMD of the bidders disqualified at the technical evaluation to the respective bidders' bank accounts from which they made the payment transaction. Such refund will take place within T+2 Bank Working Days where T will mean the date 0 which information on rejection of bid is uploaded to the e-Procurement portal by the tender inviting authority.
- iii) Once the financial bid evaluation is electronically processed in the e-Procurement portal, EMD of the technically qualified bidders other than that of the L1 and L2 bidders will be refunded, through an automated process, to the respective bidders' bank accounts from which they made the payment transaction. Such refund will take place within T+2 Bank Working Days where T will mean the date on which information on rejection of financial bid is uploaded to the e-Procurement portal by the tender inviting authority. However, the L2 bidder should not be rejected till the LOI process is successful.
- iv) If the L1 bidder accepts the LOI and the same is processed electronically in the e- Procurement portal, EMD of the L2 bidder will be refunded through an automated process, to his bank account from which he made the payment transaction. Such refund will take place within T+2 Bank Working Days where T will mean the date on which information on Award of Contract (AOC) to the L1 bidder is uploaded to the e- Procurement portal by the tender inviting authority.
- v) As soon as the L1 bidder is awarded the contract (AOC) and the same is processed electronically in the e-Procurement portal—
 - a) EMD of the L1 bidder for tender of State Government offices will automatically get transferred from the pooling account to the State Government deposit head 1/8443-0 -103-001- 07" through GRIPS along with the bank particulars of the L1bidder.
 - b) EMD of the L1 bidder for tenders of the State PSUs/Autonomous Bodies/Local Bodies/PRIs, etc will automatically get transferred from the pooling account to their respective inked bank accounts along with the bank particulars of the L1 bidder. In both the above cases, such transfer will take place within T+1 Bank Working Days where T will mean the date on which the Award of Contract (AOC) is issued.
- vi) The Bank will share the details of the GRN No. generated on successful entry in GRIPS with the E- Procurement portal for updation.
- vii) Once the EMD of the L1 bidder is transferred in the manner mentioned above, Tender fees, if any, deposited by the bidders will be transferred electronically from the pooling account to the for Government tenders and to the respective linked bank accounts for State PSU/Autonomous Body/Local Body/PRIs, etc. tenders.
- viii) All refunds will be made mandatorily to the bank A/c from which the payment of EMD & Tender Fees (if any) were initiated.

ANNEXURE-II

GENERAL CHECK LIST FOR NEW PURCHASE(enclosed with this submitted tender)

Tender Notice No:

Sl.No.	Description of Criteria	Compliance :(Yes/No)	Page No./ Section/ Sub Section No.
1.	All pages numbered.		
2.	All pages are legible		
3.	Valid Registration Certificate (for MSME Units, S.S.I. Units, Co-operative Societies) if applicable.		
4.	Valid Trade License/ Certification of Incorporation <i>with clear description of nature of business.</i>		
5.	PAN Card.		
6.	GST Registration No. (GSTIN): Latest Professional Tax Payment Certificate (PTPC) / PT deposit challan for current financial year.		
7.	Whether copy of Latest Professional Tax Payment Certificate (PTPC) or, PT deposit challan for current financial year.		
8.	Whether Proof of EMD Deposit (if applicable)		
9.	Manufacturer's Authorization Letter (if the Bidder is not manufacturer of the quoted item) for mentioned item(s) only		
10.	Relevant Technical Literature, Detailed Specifications and Catalogue including photograph of the specific equipment offered		
11.	Credentials are enclosed. Credentials are to be in the form of Purchase order, Payment Certificate and Performance Certificate from buyer.		
12.	Details of service facilities (Technical and Human Resource) available directly with the Bidder related to all types of support including installation, maintenance and training and address details of nearest Service Center is to be provided for Repairing & Maintenance Work only.		
13.	NABL Accreditation Certificate must be provided for Calibration Job only.		
14.	Comprehensive on-site warranty for at least one year from the date of installation must be given		
15.	NSIC/MSME/SSI units and Co-operative Societies are exempted from deposition of EMD on production of satisfactory documents in support of their claim. In case of NSIC/MSME/SSI, photo copy of valid Certificate (Current) should be submitted/uploaded in "Fee Cover" in lieu of EMD.		
16.	Relevant Government Order for exemption in respect of above mentioned requirements, where ever applicable.		
17.	Supplementary information if any may be submitted under separate cover before the last date of submission of the tender.		
18.	Bid validity mentioned		
19.	Delivery Period mentioned.		
20.	Agreed to purchaser's Mode of payment.		
21.	Whether FOR, JGEC delivery		
22.	Whether Format of Quotation is as per the format given above, Cover letter (Annexure-IV) is attached		

NB: Due to Incomplete Checklist and discrepancies between check list and submitted document, the bid may be declared cancelled without further proceedings.

Signature of Bidder with Stamp and date:

ANNEXURE –IV

LETTER OF SUBMISSION OF TENDER

To
The Principal /O.I.C.
Jalpaiguri Govt. Engg. College
Jalpaiguri - 735102

Subject: Tender for GOODS AND/OR REPAIRING & MAINTENANCE UNDER State Grant:2019-20

Tender Notice No. _

dated: 06.07.2019

Dear Sir,

Subject to the conditions given in the tender documents for the above-mentioned tender, I/We hereby participate in the tender process as bidder. I/We hereby certify that I/We have examined and am/are fully familiar with all the provisions of the tender document and I/We are agreed to abide by all these terms and conditions laid therein.

The following certificates/ documents are furnished:-

- (i)
- (ii)
- (iii)

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. .
. .
. .
. .

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

Yours faithfully,

Signature of Bidder

Name: _____

Mobile/Tel No.: _____

Address : _____

Signature Not Verified

Digitally signed by

Location: West Bengal