



शासकीय अभियांत्रिकी महाविद्यालय,
छत्रपती संभाजीनगर

(महाराष्ट्र शासनाची स्वायत्त संस्था)

स्टेशन रोड, उस्मानपुरा, छत्रपती संभाजीनगर (महाराष्ट्र)

"In Pursuit of Technical Excellence"

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GECCS/CED-Quotation/2026/ 3492

Date: -08.10 .2026

To,

QUOTATION Inquiry

Institute Website/ Notice Board

Sub:- Quotation for C.E department for various items for 2026-27

Sir, You are requested to send your quotations on following conditions. in sealed envelope for the supply of the service listed herewith. Mention letter no & date of opening on the quotations on the envelope. Submit the same on or before Date: - 16/ 10/2026 up to office time

Sr No	Name of items with specification	Specification	Quantity required *
01	Digital Laboratory California Bearing Ratio Test Apparatus	The California Bearing Ratio test (usually called the CBR test) is an empirical test developed in California, USA for determining the Relative Bearing Ratio and expansion characteristics under known surcharge weight of base, sub-base, and subgrade soils for the design of roads, pavements, and runways. The CBR test is used extensively in selection of materials and control of subgrades. The test can be performed in the laboratory on prepared samples or in situ on location. It is important to appreciate that this test, being of an empirical in nature, is valid only for the application for which it was developed, i.e., the design of highway base thickness. The equipment consist of the following replaceable parts: Digital Indicator Mode of Display : Micro controller multi line alpha numeric LCD display for all simultaneously channel (No need for channel selection) Load Cell Capacity : 50 kN Compression Type Maximum overload : 110% of the rated capacity Sensing : Strain Gauges in full bridge configuration Displacement Transducer Range : 0-20 mm with 3 m long cable Sensing element : LVDT	01

02	Sieve Shaker, Motorised	To make the process of sieving easier and quicker, electrically operated mechanical Sieve Shakers are offered for dry sieving. The mechanical Sieve Shakers effect a more elaborate and standardised sieving action to produce accurate results and eliminate personal errors involved in manual sieving. On the basis of experience gained in the production of these sieve shakers for more than thirty years, considerable improvement has been made in the design and performance of these units. These Sieve Shakers are popularly used not only in soil laboratories but also in a number of industries where sieving is required; such as for ores, refractory materials, minor aggregates, pigments, powdered coal, soap, cement, roofing materials, plastic moulding powders and pharmaceuticals. The new design is compact and light weight and can be mounted on a bench top. This eliminates the use of concrete foundation. Noise has been reduced considerably in the new model. A digital timer adjustable from 0-99 minutes is incorporated as an integral part of the equipment. The Sieve Shaker can carry upto 8 sieves of 20cm dia. It is driven by a ¼ HP geared motor. The Sieve Table is inclined from the vertical axis and the direction of inclination changes progressively in the clockwise direction. In addition to the gyratory motion of the table, there is a tapping motion as well. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.	01
03	Laboratory Vane Shear Apparatus, Motorised	Ref. Standard IS:2720 (Part 30) Consists of a special motor, adjustable in height by means of a lead screw rotated by a drive wheel to enable the vane to be lowered into the specimen. Rotation of the vane is by means of an electric motor turns the upper end of a calibrated torsion spring to give a rotation of 0.1o/sec. 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. Rate of rotation : 1/60 rpm Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply	01
04	Infra-Red Moisture Meter	Ref. Standard: IS:2720 (Part 2) This moisture meter has been designed for rapid and accurate determination of the moisture content of a wide variety of materials. It is torsion wire instruments, the torque being applied to one end of the wire by means of a calibrated drum to balance the loss of weight as the test sample dries under infrared radiation. The speed of drying (about 30 min) thus obtained, combined with the frictionless balancing system gives the result as accurate as those obtained by standard oven drying method. Since drying weighing are simultaneous, it is useful specially for determination of moisture in substances that quickly reabsorbs moisture after drying. The infrared radiation is controlled by a voltage regulator and thereby provided excellent heat control. The instrument is provided with an indicator lamp, which glows when the unit is switched on. The torsion balance has a built-in magnetic damper to reduce pan vibrations that	01

05	Hydraulic Jack	Hydraulic Jacks have multipurpose utility, i.e. application of loads while engaged in field investigation, determination of load carrying capacity of piles in the field, tensioning of wires in pre-stressed structures, loading of members of any structure for deformation characteristics etc. The jacks are supplied complete with manually operated pumping units fitted with bourdon tube type load gauge and high pressure flexible hose pipe. All the jacks have a piston travel of 50 mm and jacks upto 1000 kN capacity are provided with retraction springs. These are available in the different ranges Hydraulic Jacks.	01
06	Direct Shear Test Apparatus, 2 kN	Ref. Standards IS :11229, 2720 (Part 13) Type of Shear : Direct / Residual Measurement Operation : Motorised Rates of Strain : 1.25, 0.625, 0.25, 0.125, 0.05, 0.025, (mm/min) 0.01, 0.005, 0.002, 0.001, 0.0004, 0.0002 Specimen Size: 60 x 60 x 25 mm The equipment consist of the following replaceable parts : Shear Box Assembly This assembly comprises of : Halves of the Shear Box Plane Gripper Plate (set of 2 Nos.) Perforated Gripper Plate Porous Stone (set of 2 Nos.) Top Loading Pad Base Plate Shear Box Housing with two linear bearing strips Specimen Cutter Compression Proving Ring, 2 kN capacity Dial Gauge 0-25 x 0.01mm	01
07	Particle Size Analysis —Sieves Analysis	Ref. Standards IS:2720 (Part 4), IS: 460 (Part I & Part II), ASTM D 422, AASHTO T 88, BS:1377 The analysis of soil by particle size provides a useful engineering classification system from which a considerable amount of empirical data can be obtained. This helps in ascertaining possible frost action, determining graded filters, selection of grouting materials, designing of cement and asphaltic concrete mixes etc. Two different procedures are used for coarse and fine soils. Sieving is used for gravel as well as sand size particles and sedimentation procedures are used for finer soils. For soils containing coarse and fine soil particles, it is usual to employ both sieving and sedimentation procedures. Provides the following range of equipment for performing particle size analysis: • Sieves, GI Frame of 45 cm diameter • Sieves, GI Frame of 30 cm diameter • Sieves, Brass Frame of 20 cm diameter	01
08	Consolidation Apparatus	Ref. Standards : IS 2720 (Part-15), IS 12287, BS 1377, ASTM D2435 The standard outfit comprises of a fixed ring type of consolidometer cell for testing specimens of 60 mm dia x 20 mm thick, but the unit is so designed that specimens of varying sizes from 50 mm dia to 100 mm dia can also be tested. Besides, the same loading unit can be used with floating ring consolidometer cells, which are supplied at extra cost. The standard outfit is supplied with a set of weights to give a total pressure of 10 kg/cm ² (besides a seating load of 0.05 kg/cm ² on the specimen), but an additional set of weights is required to reach the full capacity of 20 kg/cm ² . The outfits for three-gang and six-gang are available in which three / six consolidometers can be mounted on a single frame. The consolidation may be measured by	01

		the conventional dial gauges or using the transducers and electronic readout unit.	
9	Automatic Triaxial Testing System	Ref. Standard: IS-2720 (Part-XII and Part XI) Automatic Triaxial is an outstanding system specifically designed for advanced soil testing. This system can be used in educational and construction engineering laboratories to minimize manual intervention to the absolute minimum. The Fully Automatic Triaxial Testing System Apparatus model adopts the most advanced technology, integrating mechanics, electronics and fully-automated control. Test type • Consolidated Undrained Triaxial Test • Unconsolidated Triaxial Test • Consolidated Drained Triaxial Test Automatic Test Stages performed using Software: • Consolidation • Saturation (B-check) • Shearing Features - Fully Automatic Execution: Handles triaxial tests from start to finish without manual intervention. - Precision Pressure Control: Features a PID feedback controlled precision pressure generation system (PV Controller) - Real-Time Data: Offers real-time graphing and configurable real-time transducers - Compact and Versatile Design: Enhances productivity and cost-effectiveness. - Standalone System: Can be upgraded to an automatic software control system. - Continuous Operation: Designed for 24/7 performance, enabling continuous testing without interruption, leading to greater throughput and cost reduction. - Reliable Results: Ensures reliable and repeatable test results. - Space-Saving Design: Optimized to save space in the laboratory	01

(* Quantity may be increased as per requirement.

(Signature)
(Dr.S.S.Dambhare)

PRINCIPAL
GOVERNMENT COLLEGE OF ENGINEERING,
Chatrapati Sambhajnagar

o/c *(Signature)*

(Signature)

7/10/2016 *(Signature)*

Conditions of the quotations:- The rate should be quoted for Chhatrapati Sambhajnagar & along packing forwarding freight etc. Charges
The firm should registered as per GST Act /appropriate state Govt. of Maharashtra act.

1. The rate quoted should be valid for minimum Six Month from the date of opening of the quotation supply order placed with you, the goods Delivery (as applicable) period should be maximum two from receipt of supply order, otherwise you should be very clearly mentioned the delivery Period in quotation.
2. Your items should be quoted to our serial number only.
3. The rate should be quoted as per our specification otherwise your items having specifications are different from those of ours should not be quoted. But the rates of your items having nearest specification should be quoted. Minimum packing size may be mentioned if required.
4. The leaflets like illustrated, descriptive technical literature which will give the information about the such as more specifications, make , type, pictorial view, name of manufacturer, origin of the company should be specified with the quotation of the relevant full information should be mentioned clearly.
5. The samples should be supplied if required.
6. The undersigned Reserve the right not to consider or the quotation in absence of the convincing satisfactory information about the item.
7. In case of machinery, equipment, Apparatus instrument etc. the operating instructions and maintenance manual, demonstration etc. may be required before finalizing the order for supply of the items
8. The undersigned Reserve the right without giving any reason (a) to reject the quotation in part of full (b) to extend the date of opening the quotation and (c) to cancel the quotation in part or in full
9. If the quotation is accepted the items should be supplied to the institute on or before the stipulated period or within the period decided by mutual consultation otherwise the order for supply of the items to the institute shall be treated as cancel unless the extension for delivery period is agreed to by the undersigned
10. If the items Delivered late without prior approval from the undersigned a sum equivalent to the 1 percent per week or part thereof of the net cost of the late delivered item beyond the stipulated period shall be deducted from the bill
11. The bill in the triplicate of the items supplied should be sent directly to the undersigned by hand delivery or by registered post account due.
12. Damaged, deficient, not in accordance with the accepted specifications and unsatisfactory items will have to be collected by the supplier at the cost and risk or the appropriate cost for such shortcomings may be deducted from the bill by mutual Consultation.
13. The stores should be insured with the government insurance fund, Mantralaya Mumbai for transit risk. The premium of may be paid by the supplier and the same may be charged in the bill separately.
14. The payment of the bill will be released only after the delivery of the stores at the office in good condition and subject to inspection, testing and satisfactory compliance in accordance to the specification decided i.e. only after final acceptance of the goods.
15. You should be able to furnish the necessary Income Tax certificates as and when request by us.
16. The committee will decide the validity of quotation based on maximum matching specification.
17. Equipments should be strictly as per the Indian standard specification of relevant code
18. Supplier have to produce at least ten supplier list like state Govt.Engineering Colleges ,NIT's ,IIT's with their installation/service report.