GOVERNMENT COLLEGE OF ENGINEERING AURANGABAD ,
CHHATRAPATI SAMBHAJINAGAR
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GECCS/CE Store/2024-25/ 508 Date :- 30 JAN 2025

QUOTATION FORM

To,

1- **Institute Website**
2- **Notice Board**
3- **Institute copy**

Sub:- Quotation for Geo Tech/Survey/Transportation lab equipment

Sir,You are requested to send your quotations on following conditions. in sealed envelope for the supply of the item listed herewith mention letter no & date of opening on the quotations on the envelope. Submit the same on or before Date:- 07/02/2025 up to 03.p.m

Sr no	Name of item	Qty
1	**HYDRAULIC JACK** - 50KN - WITH PRESSURE GAUGE AND HAND PUMP . Hydraulic Jacks should have multipurpose utility. Following list of applications will be get covered . Application of loads while engaged in field investigation, Determination of load carrying capacity of piles in the field, Tensioning of wires in pre-cast structures, Loading of members of any structures for deformation characteristics etc. For applying loads for various tests in field or laboratory. The pumping unit should connected to the hydraulic jack by means of a flexible connecting pipe 2 meter long. The jack is fitted with lifting handles for easy transportation. The approximate lift of the ram is 90 to 150 mm. The unit should be fixed on a channeled base which is fitted with lifting handles. A pressure release valve should be provided on the pumping unit. The load is indicated on a 15 cm dial hydraulic pressure gauge of appropriate capacity, which can be detached from the pump, when not in use. The least count of the calibrated dial will be according to the capacity of the gauge	1

2	**HOT AIR OVEN-DIGITAL**- INNER S.S. CHAMBER- Double walled, inner chamber S.S.304, Outer CRC powder coated , 65 mm thick glass wool insulation , 80/20 nichrome heating elements placed under ribs at bottom and sides for uniform heat distribution Temp. Range. 50°C to 250°C , Auto tune Dual Display Digital, forced air circulation, Working on 230 Volts AC Single Phase. Accessories) 1. OVER TEMP PROTECTION SYSTEM-WITH AUDIO ALARM 2. DIGITAL TEMPERATURE CONTROLLER WITH SOAK TIMER	1
3	**ELECTRONIC WEIGHING BALANCE** -10KG High Impact FRP Body, Large platform size 250 x 300 mm, with built in battery back up and with certificate of stamping from W&M department. Multi function and Auto calibration with external weight. We can also offer economic weighing balance having ABS body and platform size of 250 x 300 mm.	1
4	**ELECTRONIC WEIGHING BALANCE** -50 KG High Impact FRP Body, Large platform size 250 x 300 mm, with built in battery back up and with certificate of stamping from W&M department. Multi function and Auto calibration with external weight. We can also offer economic weighing balance having ABS body and platform size of 250 x 300 mm.	1
5	**LABORATORY CBR APPARATUS - DIGITA**L- Complete with Digital Display Load frame, CBR Mouldmade of Gun Metal, Slotted and annular weight of 2.5 kg,brass perforated plate, Spacer disc, compaction hammer2.6 kg and 4.89 kg, metal tripod stand for holding dialgauge. = 1 No. each. As per IS:2720. RS 232 interface withPC connectivity and software available at extra cost.Item must Included1. CBR SOFTWARE WITH PC INTERFACE Accessories 1. FILTER PAPER FOR CBR TEST 15CM DIA PKT OF 100 CIRCLES	1

6	**DIRECT SHEAR APPARATUS-MOTORIZED-SINGLE SPEED-ELECTRONIC DIGITAL** Electronic Direct Shear Testing Machine As per IS : 2720 Detail Specification as per following - Item must Included 1. SMALL DIRECT SHEAR BOX - FOR DIRECT SHEAR TEST APPARATUS QTY : 2.0 2. TOP LOADING PAD FOR DIRECT SHEAR QTY : 2.0 3. SHEAR BOX HOUSING FOR DIRECT SHEAR APPARATUS QTY : 3.0 4. SAMPLE CUTTER - 60 X 60 X 25MM - FOR DIRECT SHEAR QTY : 3.0 5. WEIGHTS FOR DIRECT SHEAR QTY : 2.01. Facility to readout rate of loading in mm/minute. 2. Tare system to nullify initial load 3. The digital LCD display will retain the peak value until it is cleared. 4. Flow value and load on a single screen. 5. Flow value with a least count of 0.01 mm with accuracy of 1%. 6. Load value with a least count of 0.1 kg / 0.001 KN with accuracy of 1%. 7. Back light facility to observe the readings even in the dark. Four line readout showing load, flow, speed, CBR value @ 2.5 mm and 5mm, and load at 0.5 mm, 1 mm, 1.5 mm, 2 mm, 2.5 mm, 3 mm, 3.5 mm, 4 mm, 4.5 mm, 5 mm, 7.5 mm, 10 mm and 12 mm. (scrolling) 9. Auto calculation of CBR value at 2.5 mm and 5 mm.: 10.Over load safety at pre decided load. 11.Over travel safety. 12.Auto reverse to home position on pre set over travel: 13.Auto internal calibration facility to calibrate load and flow. 14.Confirming to BIS 2720 (Part 16)	1
7	**LABORATORY VANE SHEAR APPARATUS - MOTORISED -** Consists 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 the specimen. Rotation of the vane is motorized, which operates a worm gear arrangement turning the upper end of a calibrated torsion spring. Vane dia, rod dia, vane size & vane height are as per IS specification. The Vane shaft is attached through the hollow upper shaft to re-settable pointer, which indicates the angle of torque on a dial graduated in degrees. The dial reading multiplied by spring factory gives the torque. A container for soil tube of 38mm I.D. & 150 mm long can also be used as container. Complete with set of springs, one each of approx 0.2 kg/cm, 4 kg/cm, 6 kg/cm, 8 kg/cm Motorized unit: Rate of rotation : 1/60 RPM Relevant Test Standard : IS : 2720(PART-XXX)	1
8	**INFRA RED MOISTURE BALANCE - 25 GM-** Applications : To determine moisture content of coal, cashew nuts, sand, agricultural soil etc. The instrument consists of a 250 watt infrared lamp, a sensitive torsion balance and a temp. Control, all housed in a compact cabinet made of Aluminum, having robust design. The Infra Red radiation from the lamp is used for heating the sample. The temperature is controlled by the solid state control. The sensitive torsion balance used magnetic damping to damp the vibrations of the pan. The instrument is directly calibrated in percentage of moisture between 0 to 100%. The Aluminum pans are cheap and disposable. This helps avoid loss of time which otherwise would be spent each time to clean the pans after the experiment is done. Complete with instruction manual.	1
9	**FINE SIEVE SET - 20CM DIA - SET 20 cm Diameter -**, Joint less Brass Frame, Made out of rolled Brass, Spun Body frame without joint, Folded bottom having beading at top, tight fitting with each other. Mounted with stainless steel cloth. Finished as per: BSS/ASTM/ISS Microns . Set should consist of different sieves 4.75 mm, 2.36 mm, 1.18 mm, 600 micron, 300 micron, 150 micron, 75 micron and a set of Lid-Pan.	1

10	**FIELD DENSITY TEST APP-CORE CUTTER METHOD**Complete with core cutter of 100 mm dia x 130 mm longwith chromium plating, Dolly for 100 mm dia core cutter, and rammer with steel rod. As per IS : 2720 (P-XXIX). Additional accessories Electronic Weighing Balance, Palette Knife, Straight edge, spade or axe, sample extractor	1
11	**FIELD DENSITY TEST APP-SAND REPLACEMENT METHOD SMALL** The complete apparatus consists of small sand pouring cylinder. 3 litre capacity fitted with Conical funnel and shutter, cylindrical calibration container, Internal dia 100 mm and internal depth 150 mm fitted with a flange, metal tray 300 mm square and 40 mm deep with a 100 mm dia hole in the centre, as per IS:2720 (Part - 28). Recommend Accessories 1. CHIESEL 25MM WIDE X 300MM	1
12	**SOIL PERMEABILITY APPARATUS FOR VARIABLE HEAD TEST -** The set up consists of following Parts and Accessories: Gunmetal mould 100 mm diameter x 127.3 mm height x 1000 ml volume. Supplied with collar of 100mm diameter x 60 mm high and drainage base plate Drainage cap , Metallic clamping ring, Two porous stone for base and cap, Dummy plate, Air release valve, Rubber tube of 3 meter length, Pinch cock for rubber tube , With a set of three glass stand pipes approximately 6mm, 10mm, and 20mm diameter x 1 meter length mounted on a wooden board , The end of the glass tube is serrated to connect rubber tube of 3 meter length with pinch cock. Tank for Constant head test available at extra cost.	1
13	**SOIL PERMEABILITY APPARATUS FOR CONSTANT HEAD TEST -** Compliance Standards : IS 2720 (Part XVII) Applications : It is used for measuring the coefficient of permeability of soil for the maximum size of particle 10mm. As per IS 2720 (Part XVII) . The set up consists of following Parts and Accessories : Gunmetal mould 100 mm diameter x 127.3 mm height x 1000 ml volume Supplied with collar of 100mm diameter x 60 mm high and drainage ,base plate Drainage cap ,Metallic clamping ring, Two porous stone for base and cap, Dummy plate Air release valve, Rubber tube of 3 meter length, Pinch cock for rubber tube, Over head tank made of G.I. sheet with six outlet at bottom and inlet port on top. (for constant head test)	1
14	**PROCTOR COMPACTION TEST APPARATUS - STANDARD - IS : 2720 (PART VIII), IS 10074 :-** Used for determining the relationship between the moisture content and density of compacted soil. Construction Details of Standard Proctor Mould: Construction Details of Standard Rammer: The moulds include collar, mould body and base plate. It will be made of Mild steel having capacity of 1000 cm3 , The mould will be fitted with a detachable base, plate and removable extension collarm , The internal surface of the mould will be smooth. , Complete with our own test certificate. , Internal diameter of mould : 100 ± 0.1 mm , Internal effective height : 127.3 ± 0.1 mm, Effective weight of mould : 07 kg Volume : 1000 cm3	1
15	**CBR MOULD GUN METAL 150MM DIA WIITH COLLAR AND BASE PLATE -** 150 mm dia X 175 mm high with extension collar and perforated base plate. Made of Gun Metal. As per IS:2720(Part XVI)	1

16	**STANDARD PENETRATION TEST APPARATUS WITH ACCESSORIES** - Complete set up consists of the following individual parts & accessories:- Detailed description of each part is given below :1. Split spoon sampler (Head, Split barrel & shoe) : 1 No2. Drive Monkey weight 63.5 kg : 1 No 3. Sampling drill A-rod 1.5 meter long : 3 No4. Guide Pipe Assembly : 1 No 5. Tripod 5 meter long with pulley assembly : 1 No6. Rope for hammer : 10 Meter Split Spoon Sampler :Consists of 3 main parts; head, split-barrel and shoe. The sampler is having 35mm Inner Diameter (I.D.) and 50mm Outer Diameter (O.D.). It is 650 mm long. The sampler is made from a sleek tube - split lengthwise and held together by a head fitted with a ball check valve. A hardened steel shoe of inside cutting edge of 35mm dia is also the part of assembly. One adaptor to connect 'A' type drill rods is lso supplied with brass liner.Drive-weight assembly : Consisting of a 63.5 kg weight (hammer), a driving head (anvil) and a guide permitting free fall of 0.76 meter (76 cm) and an overlift capability of at least 100 mm. The lifting will be manual by manila rope and pulley.Sampling rod (A-Type drilling rod) : Steel A-rod is used to connect the sampler to the drive weight assembly. Drilling rod of 1.5 meter long will be supplied. Other sizes available at extra cost.Guide Pipe Assembly : Guide pipe assembly which is fitted with a driving head on one side having standard "A" drill rod thread & a cap on the second side. Drive weight falls freely through a height of 0.76 meter (76 cm).	1
17	**AUTOMATIC SOIL COMPACTOR WITH DIGITAL BLOW COUNTER** - IS 2720 (PART 7 & 8) - With electric height adjuster and digital counter Pre-set blow pattern ensures even compaction , Solid state controls for reliability and ease of maintenance , Automatic counter reset after completion of blow pattern, An automatic blow pattern ensures optimum compaction for each layer of soil. ,The hammer itself travels across the mold and the table rotates the mold in equal steps on a base that is extremely stable. The number of blows per layer can be set at the beginning of the test by means of the simple digital counter system. Hammer, Circular faced, 50 mm diameter - foot adjustable to either 2.6 kg or 4.89 kg weight. Drop Adjustable to either 310 mm or 450 mm Controls Digital counter system, selector switch for either standard proctor test or modified proctor/CBR testing. Safety features like safety lever for preventing rammer falling, when the door is open, total cover for moving parts, M.C.B. for overload protection will be inclusive. Should be Supplied withspecial design for this apparatus.	1
18	**LABORATORY TROLLEY-STAINLESS STEEL PLATFORM-150 KG CAPACITY WITH SQUARE BOX** Aesthetic exterior appearance, Robust, Durable and Easy to clean , Platform is Fabricated from Stainless steel material of SS 304 and structure material of SS 202 , Solid wheels for mobility afety grill of 6" height, Square boxes of 4" x 4" for bottles (Fix in Base), Can withstand : 150 kgs load , Wheel type : Solid, Wheel diameter : 100 mm, Can accommodate : 1000 x 600 x 820 mm	1
19	**TRANSIT VERNIER THEODOLITE-20"-WATTS PATTERN** 20" Accuracy with optical plummet complete with box and stand. Accuracy 20 second, Telescope length 7"(I.F.) with rack & pinion arrangement. Horizontal & vertical circles graduated to read 20 seconds accuracy. Erect Image by prisms. Optical Plummet system embeded in circle. Dark blue coated lenses. Gunmetal axes. Circle made from silver. Wooden case. All aluminum Telescopic stand. Tightening Clamps made of metal With standard accessories Like Magnetic compass, Diaphragm Extractor, Tommy Pins, Brass plummet with cord, Screw driver, oil can, cleaning brush.	1

20	**MICRO OPTIC THEODOLITE-** Technical Specification - Telescope : Erect image •Magnification : 30 X , Clear Objective Aperture : 40 mm, Shortest Focusing Distance : 2 mm •Multiplication Factor : 100 , Additive Constance : 0, Field of view at 1000 m : 24m •Bubble Sensitivity : Per 2 mm Run , Circular Level : 8', Plate Level : 20", Automatic Vertical Index : Magnetic Damping , Setting accuracy : ±0.3" , Working range : ±3' , Glass Circles : 360' deg. , Gradation Interval of : 20', Hz and V circle : - Smallest Interval of : 1", Optical Micrometer Standard Deviation of A Direction, Measured in Face Left and Face Right, 2" Optical plummet: Image : Erect , Magnification : 3 X	1
21	**PRISMATIC COMPASS WITH ALUMINIUM STAND** -100 MM (4") DIA , Made of full brass, circle graduated 30 minutes with sliding lenstic prism fitted with coloured glasses are provided, An automatic lifter along with reflector mirror is fitted on the sight vane packed in fiber casecomplete with stand having ball and socket, in case PRISMATIC COMPASS SIZE: 100 mm (4") dia	1
22	**AUTOMATIC LEVEL-B** - 40A :- Telescope : length : 214mm (8.42in.),Magnification : 24x Objective aperture : 32mm (1.26 in.),Resolving power : 4" , Field of view (at 100m/328ft.) , 1°25' (2.5m / 8.2ft.) Minimum focus- : 0.2m (7.9 in.) from end of telescope, 0.3m (1ft.) from instrument center,Image : Erect , Stadia Constant : 0, Stadia Ratio : 100, Focusing Knob : 1 speed Sighting Aid : Gun Sight , Accuracy (1km double run leveling) : Without micrometer : 2.0mm (0.08 in.) ,With micrometer : n/a Compensator : Type : Pendulum compensator with magnetic damping system , Setting accuracy : 0.5", Working range : ±15', Circular Level : Sensitivity : 10' / 2mm, Horizontal Circle : Diameter : 99mm (3.9in.), Minimum Division : 10' / 2mm. General : Water resistance : IPX6 (IEC 60529:2001). Operating Temperature : -20 to +50oC (-4 to +122°F) Size (W x L x H) : 122mm (4.8in.) x 214mm (8.4in.) x 140mm (5.51in.), Weight : 1.5kg (3.3lbs.) Should be Supplied with Leveling Staff and Stand.	1

(*Quantity may be increased or decreased as per requirement)

(Dr.S.S.Dambhare)
PRINCIPAL
GOVERNMENT COLLEGE OF ENGINEERING,
CHATRAPATI SAMBHAJINAGAR

Conditions of the quotations:-The rate should be quoted F.O.R. Chhatrapati Sambhajinagar & along with packing forwarding freight etc. Charges

(A) 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.
2. If supply order placed with you, The goods Delivery (as applicable)period should be maximum two weeks from receipt of supply order, otherwise you should be very clearly mentioned the delivery Period in your quotation.
3. Your items should be quoted as per our serial number only.
4. 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.
5. The leaflets like illustrated, descriptive technical literature which will give the information about the item such as more specifications, make , type, pictorial view, name of manufacturer, origin of the company etc. should be specified with the quotation of the relevant full information should be mentioned clearly.
6. The samples should be supplied if required.
7. The undersigned Reserve the right not to consider or the quotation in absence of the convincing, satisfactory information about the item.
8. 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
9. 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
10. 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 store shall be treated as cancel unless the extension for delivery period is agreed to by the undersigned
11. If the items Delivered late without prior approval from the undersigned a sum equivalent to the half percent per week or part thereof of the net cost of the late delivered item beyond the stipulated period will be deducted from the bill
12. 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.
13. 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.
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 specifications as 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.