



Requisition Form

Requisition Number: 1234/25/0221

Last Date for Submission: 26/01/2026

S.N.	SQU Product Code	Description	Qty	UOM	Remarks
1	false	Triplex Lever Consolidation Test Apparatus	1	Units	<p>Power Supply: 240-250V, 50/60Hz, single-phase</p> <p>Durability:</p> <ul style="list-style-type: none"> Constructed with a rigid corrosion resistant steel frame and precision-machined stainless-steel components. Equipped with a sealed loading mechanism to ensure long service life and minimal maintenance. Anti-corrosion coating for humid laboratory environments. <p>Warranty: 2 years (Minimum)</p> <p>Country of Origin: USA / Europe / Japan</p> <p>Technical Specifications:</p> <ul style="list-style-type: none"> Design: Triplex (three-lever) loading system providing ratios of 1:10, 1:5, and 1:1 for flexible loading control. Load Application: Fully automatic load control with servo motor and microprocessor-based system. Capable of incremental loading and unloading cycles with user-defined time intervals. Real-time display of load, displacement, and time on LCD / touchscreen interface. Load Capacity: Up to 20 kN (2,000 kgf). Displacement Measurement: Digital or LVDT transducer with resolution of 0.001 mm. Automatic data logging for deformation vs. time curves. Sample Size: Standard specimen diameter: 50 mm to 100 mm, with interchangeable rings. Typical sample height: 20 mm (as per ASTM D2435). Pore Pressure Measurement: Optional transducer for saturated specimen testing. Consolidation Ring: Stainless steel, precision machined, with interchangeable rings (50 mm, 63.5 mm, 75 mm, 100 mm). Water Reservoir & Drainage Lines: Corrosion-

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					<p>resistant fittings, quick-release valves, and porous stones.</p> <p>Software Features:</p> <ul style="list-style-type: none"> • Automatic control of load increments and timing. • Graphical display and real-time plotting of settlement vs. time. • Automatic calculation of Cv (coefficient of consolidation) and Cc (compression index). • Data export in CSV or PDF format. <p>Conforming Standards:</p> <ul style="list-style-type: none"> • ASTM D2435 – Consolidation Properties of Soils • ASTM D3877 – One-Dimensional Consolidation Properties of Soils Using Incremental Loading • ASTM D4546 – One-Dimensional Swell or Collapse of Soils • AASHTO T216 – Consolidation of Soils <p>-----</p> <p>The quotation must include the following details:</p> <ol style="list-style-type: none"> 1. Warranty period. 2. Delivery period. 3. Price List for the major spare parts. 4. Cost of maintenance visit per day after the warranty period expires. 5. Submission a copy of an Operation & Service manuals at the installation time. 6. Back up/spare parts support up to the 10th year. 7. Details of any pre-installation requirements (attached with offer). 8. Manufacturing date certificate from the manufacturer. 9. Delivery, Installation, commissioning & on-site training to be done by the supplier. <p>Note:</p> <ul style="list-style-type: none"> - Bid evaluation criteria will be subjected to; Price, specifications, warranty period, fast delivery, known brand & after-sales technical support. - Since this is a non-profit organization and the item to be used for educational purpose, a maximum discount should be given as far as possible.
2	false	Automatic Casagrande Apparatus	2	Units	<p>Power Supply: 240–250V, 50/60Hz, single-phase</p> <p>Durability: Solid metal base with rust-proof brass cup; wear-resistant grooving tool and long-life motorized mechanism</p> <p>Warranty: 2 years</p>

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					<p>Country of Origin: USA / Europe / Japan</p> <p>Technical Specifications:</p> <ul style="list-style-type: none"> • Automatic blow counter: 10–120 blows/min, digitally adjustable • Drop height: 10 mm ± 0.2 mm with precision motorized cam • Supplied with: Brass cup, grooving tools, plastic limit roller, glass plate, and accessories • Standards: Conforms to ASTM D4318 and BS 1377 <p>All operational accessories: Mandatory and must be included.</p> <p>-----</p> <p>The quotation must include the following details:</p> <ol style="list-style-type: none"> 1. Warranty period. 2. Delivery period. 3. Price List for the major spare parts. 4. Cost of maintenance visit per day after the warranty period expires. 5. Submission a copy of an Operation & Service manuals at the installation time. 6. Back up/spare parts support up to the 10th year. 7. Details of any pre-installation requirements (attached with offer). 8. Manufacturing date certificate from the manufacturer. 9. Delivery, Installation, commissioning & on-site training to be done by the supplier. <p>Note:</p> <ul style="list-style-type: none"> - Bid evaluation criteria will be subjected to; Price, specifications, warranty period, fast delivery, known brand & after-sales technical support. - Since this is a non-profit organization and the item to be used for educational purpose, a maximum discount should be given as far as possible.
3	false	Constant and Falling Head Stands	2	Units	<p>Power Supply: Not required (manual apparatus)</p> <p>Durability: Rust-proof metal stand with corrosion-resistant burettes, fittings, and transparent acrylic tanks/standpipes</p> <p>Warranty: 2 years</p> <p>Country of Origin: Europe / USA / Japan / Korea</p> <p>Technical Specifications:</p> <ul style="list-style-type: none"> • Cylindrical soil specimen size: 75 mm diameter × 100 mm height • Transparent acrylic standpipes of different diameters for falling head tests

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					<ul style="list-style-type: none"> • Precision valve system for accurate water flow regulation • Conforms to ASTM D2434 (Constant Head) and ASTM D5084 (Falling Head) <p>Accessories:</p> <ol style="list-style-type: none"> 1. Constand Head <p>Permeability Set:</p> <ul style="list-style-type: none"> • Permeability Cell 75 mm Diameter • Constant Level Tank • Manometer stand with Tubes mounted on Stand • Ruler • Volves and Connecting Pipes. <ol style="list-style-type: none"> 1. Falling Head Permeability Set: <ul style="list-style-type: none"> • Falling Head Cell 100 mm Dia • Compaction Permeameter mold 4 inches • Manometer Stand Tubes with Three Tubes of Different Diameters • Volves and Connecting Pipes • Soaking Reservoir • De-Airing Water Tank (To Be Optional) <p>Applications:</p> <ul style="list-style-type: none"> • Determination of soil permeability (coefficient of permeability) <p>All operational accessories: Mandatory and must be included.</p> <p>-----</p> <p>The quotation must include the following details:</p> <ol style="list-style-type: none"> 1. Warranty period. 2. Delivery period. 3. Price List for the major spare parts. 4. Cost of maintenance visit per day after the warranty period expires. 5. Submission a copy of an Operation & Service manuals at the installation time. 6. Back up/spare parts support up to the 10th year. 7. Details of any pre-installation requirements (attached with offer). 8. Manufacturing date certificate from the manufacturer. 9. Delivery, Installation, commissioning & on-site training to be done by the supplier. <p>Note:</p> <p>- Bid evaluation criteria will be subjected to; Price, specifications, warranty period, fast delivery, known brand & after-sales technical support.</p>

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