

**Government of Karnataka
(Water Resources Department)**

No. CE&NO/SPMU-DRIP/LAB EQUIPMENTS/2022-23/17

Office of Chief Engineer
& Nodal office (DRIP),
State Project Monitoring Unit
SWDC Building, A.R.Circle,
Bengaluru-560009,

Dated: 12.10.2022

**INVITATION OF QUOTATIONS FOR SUPPLY OF
DIGITAL LABORATORY CALIFORNIA BEARING RATIO TEST APPARATUS (ASPER IS:2720)
AND PROFOMETER UNDER NATIONAL SHOPPING PROCEDURES**

To,

Dear Sir,

Sub.: Invitation of Quotation for Supplying and installing of digital laboratory california bearing ratio test apparatus (asper is:2720) and profometer, KERS, K.R.Sagara, Srirangapatna taluk, Mandya District, Karnataka.

1. You are invited to submit your most competitive quotation for the following work:-

Sl No.	Brief Description	Specifications*	Approx Quantity required	Delivery period	Place of Delivery	Installation requirement if any
1	2	3	4	5	6	7
1	Details enclosed	Details enclosed	Details enclosed	30 days	KERS, K.R.Sagara , Karnataka.	To be installed in the specified locations

*Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only.

2. Government of india has received a credit from the International Bank of Reconstruction and Development (IBRD) in various currencies equivalent to US\$.....towards the cost of the project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotation is issued.

3. Bid Cost

- a) The contract shall be for the full quantity as described above. Correction, if any shall be made by crossing out, initialling, dating and re-writing suitably attested.
- b) All Duties, Taxes and other levies payable on the raw materials, components and finished items shall be included in the total price.
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d) The Prices shall be quoted in Indian Rupees only.
- e) Ambigul Prices shall be summarily rejected.
- f) JV not allowed.

4. Each Bidder shall submit only one quotation of Price for each item in sealed cover.

5. Validity of Quotation

Quotation shall remain valid for a period not more than 30 days after the deadline date specified for submission.

6. Evaluation of Quotation

The Purchaser will evaluate and compare the quotations for determination to be Substantially responsive i.e., which

- (a) Are properly signed with supporting documents (if any) and
- (b) Conform to the terms and conditions, and specifications The Quotations would be evaluated for all the item together.

7. Award of contract

The Purchaser will Award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

7.1. Notwithstanding the above, the purchaser reserves the right to accept or reject any quotations and all quotations and to cancel the bidding process and may recall at any time prior to the Award of contract.

7.2. The bidder whose bid is accepted will be notified of the Award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchaser letter of Intent.

8. **Payment** shall be made after the satisfactory supply and installation, inspection by the competent authority and receipt of certificate from the consignee.

9. All supplies, installations should be completed within 7 days from the date of issue of work order. Beyond this date liquidity Damages at 0.5% per day will be levied for any delayed supply and installations.

10. Normal commercial warranty/guarantee shall be applicable to the supplied goods.

11. You are requested to provide your offer latest by 11.30 hours on 10.11.2022

12. We look forward for receiving your quotations and thank you for your interest in this Project.


sName : Chief Engineer & Nodal Officer
DRIP,

Address: SPMU-DRIP, WRDO
SWDC Building, A.R.Circle,
Bengaluru

Tel. No.: 080-22259985


29/9/22

CONSIGNEE LIST

Sl. No.	Consignee, Name and Address	Item	Qty
1)	O/o Road Research branch, SM & FE Division, KERS, K.R.Sagara , Karnataka.	<p>CBR Apparatus:- Digital Laboratory California Bearing Ratio Test Apparatus (Asper IS:2720) with Data Acquisition system & Analysis software, Four Speed, with Mild Steel Mould Assembly with specifications as mentioned below.</p> <p>1) Load Frame, 50 KN Capacity, Four 1.5, 1.25 & 2.5mm/min with True speed control.</p> <p>2) Mould- Mild Steel (150mm ID x 175mm H), Perforated Base plate-MS, Extension color-MS (150mm ID*150mm high), Penetration piston 50mm face dia, Adjustable Bracket for Penetration Dial Gauge, Circular Metal Spacer Disc, with detachable handle, 148mm dia x 47.7mm high Annular Metal weight 2.5kg , 147mm dia with 53mm dia central hole, Slotted Metal weight 2.5kg, 147mm dia with 53mm dia slot, Perforated Plate 148mm dia, with adjustable stem and lock nut. Metal Tripod Dial Gauge, Cutting Collar, Rammer 2.6kg, 310mm controlled drop Rammer 4.9kg, 450mm controlled drop.</p> <p>3) Digital Conversion Kit for CBR</p> <p style="padding-left: 20px;">a) Comprising of Digital Indicator, Micro controller multi line alpha numeric LCD display for all simultaneously, with number of Channels two .</p> <p style="padding-left: 20px;">b) Load Cell- Capacity - 50 kN Compression Type, Maximum overload - 110% of the rated capacity, Sensing - Strain Gauges in full bridge configuration</p> <p>4) Displacement Transducer: Range 0-20 mm with 3 m long cable, Sensing element - LVDT, Data acquisition controller chip (Inbuilt with indicator).</p> <p>5) Ssoftware for Testing, Analysis and Reporting of CBR Test with Special Features & Graphs for CBR Analysis Software, Manual data entry facility and to find out CBR value in % at 2.5mm and 5mm Penetration, Graph for load vs Penetration (top side, bottom side and both) with Graph correction facility and Graph expand facility</p>	01 No
2		<p>Profometer:-</p> <p>Software/workspace app:-</p> <p>Display 7" color rugged touchscreen unit (800 x 480 pixels) with dual core processor</p> <p>Measurement Modes- Rebar location, diameter estimation and cover measurement Data acquisition</p> <p>Memory - Internal 8 GB flash memory</p> <p>Pc Software- Profometer Link to download saved data to a PC for analysis and export to third party applications</p> <p>Reporting software - Profometer Link to download saved data to a PC for analysis and export to third party applications</p> <p>Processing Unit / Sensor</p> <p>Cover Measuring Range- Up to 185 mm</p> <p>Cover Measuring Accuracy ± 1 to 4 mm, depending on cover</p> <p>Path Measuring Accuracy 0.5 to 1.0 % of measured length</p> <p>On Smooth Surface</p>	01 No

	<p>Diameter Measuring Range Up to 63 mm</p> <p>Diameter Measuring Accuracy ± 1 rebar size</p> <p>Available Upgrades</p> <ul style="list-style-type: none"> To Profometer Corrosion 2-Layer Neighboring Rebar Correction Artificial Intelligence (NRC AI) Cover calibration Zoom in to scale rebars according to your needs Display with cover curve or signal strength curve Signal strength spectrum for further evaluation <p>Instrument Firmware</p> <ul style="list-style-type: none"> Visual assistance for scanning speed and signal strength control Settings directly accessible on the Measurement screen Graphical display of measured values and minimum cover set Change settings before and after storage 11 Languages and timezone supported Profometer Link to download saved data to a PC for analysis and export to third party applications <p>Pc Software</p>	
	<p>Display 7" color rugged touchscreen unit (800 x 480 pixels) with dual core processor</p> <p>Memory Internal 8 GB flash memory</p> <p>Connections USB host / device and Ethernet</p> <p>Measurement Modes Rebar location, diameter estimation and cover measurement Data acquisition</p> <ul style="list-style-type: none"> One layer scans, tomographic view, advanced statistics Two layers scans, tomographic view, advanced statistics <p>Reporting software Profometer Link to download saved data to a PC For analysis and export to third party applications</p>	

Chief Engineer and Nodal Officer DRIP
SPMU-DRIP

Ananda Rao Circle,
Bengaluru.

[Signature] 20/19