

;Tender No:

KDU/PRO/CAP/149/2022



General Sir John Kotelawala Defence University,
Kandawala Estate, Ratmalana,
Sri Lanka.
T: Phone: 2632028 , 2622995
Fax : 2622504, 2623599
Web:www.kdu.lk

05/05 /2022

INVITATION TO BID AND GENERAL CONDITIONS OF TENDER

1. The Vice Chancellor of the General Sir John Kotelawala Defence University, as the Chairman, Department Procurement Committee Invites Bid/s from prospective Bidders for supply of **item/s listed in the schedule in Annex “A”**. **The relevant specifications of the item/s are indicated in Annex “B”**.

2. **CLOSING DATE & TIME.** The tender will close at 1000 hrs. on 31 /05 /2022. Any Bid submitted after the closing time of the tender will be rejected & unopened such bids will be returned to the bidder.

3. **VALIDITY OF BID.** The bid submitted under this tender **must be valid for a minimum period of 63 days from the date of closing of tender.**

4. **BID BOND / GUARANTEE.**
(a) If the quoted bid value exceeds Rs: 2,000,000.00, such Bids should be accompanied with 1% of Bid Value an “on demand” and “unconditional” Bid Bond/Guarantee for a sum of **Rs:.....** in the format given in Annex “C” through a recognized local Bank or Insurance Company registered in Sri Lanka which is authorized by the Insurance Board of Sri Lanka to issue such Bid Guarantees. All Bid Bond/Guarantees should be valid for at least 30 days more than the validity period of bids, ie, for 150 days from the date of Bid opening. **Cheques will not be accepted as Bid Guarantee.**

(b) Submission of insufficient Bid Bond/Guarantee value or period will be considered as a “**major deviation**” and such offer will not be considered for further procurement action and will be rejected.

5. **VALUE ADDED TAX.** The Bidders who bid for locally delivered items must have the VAT registration. The VAT portion must be shown separately in the price schedule in Annex “A” and VAT registration number must be indicated. If the quoted item is exempted from VAT or Bidding Company is not liable for VAT, reference number and date of relevant Act number/Gazette notification/a certificate (as applicable) **issued for the current financial year** from the Commissioner General of Inland Revenue to that effect should be submitted along with the Bid.

6. **BID SUBMISSION.** The **bidder must duly sign at the last page (before Annexes) of this document** indicating the name of the signatory and the name of the company & place the company common seal to confirm the acceptance of tender conditions. **The Bid/s that do not include authorized signature will be rejected.** The Bid/s duly signed by the bidder enclosed and sealed in an appropriate cover addressed to the following address should be sent by registered post or could be deposited in the **appropriate tender box placed at General Sir John Kotelawala Defence University, Kandawala Estate, Ratmalana** (at the Main Entrance of General Sir John Kotelawala Defence University) on or before the time & date specified for the closing of tender. **The tender reference number, date & time of closing tender should be indicated & underlined at the top left corner of the envelop.**

Tender Ref No :.....

The Chairman,
Department Procurement Committee,
General Sir John Kotelawala Defence University,
Kandawala Estate, Ratmalana,
Sri Lanka.

Closing Date & Time :.....

7. The Bid/s must be submitted in the attached schedule of prices in Annex “A” as applicable. However, bidders could use similar formats prepared with their own letter heads with all the details mentioned therein and submit in **three copies along with duly signed copy of a General Conditions of tender.** The Bid/s must contain **Technical Literature, Pamphlets, Drawings and Quality Standard Certificate etc** necessary to determine characteristics of items offered and in case of Machinery/Vehicles & Equipment, servicing and workshop data/after sales service, back up facilities or any other facilities provided by the supplier.

8. **SUBMISSION OF SAMPLES/PAYMENT OF TESTING CHARGES.**
When it is required to submit samples, **every offer** must be accompanied with pre - marked samples. The marking of samples **indicating the Bidder & Offer number** must be done and the samples must be handed over to the officer at same place where tender box is placed **on or before the closing date & time of the Bid.** Samples submitted after closing time of the Bid will be rejected. The documents such as Air Way Bills etc, will not be accepted in place of samples. When the testing charges are required to be paid, bidders shall pay testing charges separately **for all offers** indicated in their bid/s.

(1) **Samples.** Please submit.....samples.

(2) **Testing Charges.** A sum of Rs..... **per offer** must be paid to the Bursar of KDU, prior to the submission of bid and a copy of the receipt must be annexed to the bid. It is the responsibility of bidder to inform the Cashier of the Account Office to note the tender number on the receipt issued for such payments.

8. **BID OPENING.** All duly received bids **will be opened immediately after the scheduled closing time of Bids at the same venue.** Bidders or their accredited agents could be present at the time of opening of bids.

9. PRICES.

For locally delivered items (including locally manufactured items & foreign items imported by the bidders) price must be quoted in Sri Lankan Rupees, inclusive of all charges for delivery of items to General Sir John Kotelawala Defence University Ratmalana, Faculty of Allied Health Science (FAHS) Werahera and University Hospital Werahera or Southern Campus Sooriyawewa. **Unit price, VAT and Total price should be clearly indicated in schedule in Annex "A".** Other than VAT, all other type of taxes (eg : NBT, BTT, etc.) should not be indicated separately and should be included in unit price.

10. RESTRICTED TENDERS.

Invitation to Bids are circulated among the registered suppliers with Ministry of Defence (MOD), only bids submitted by registered suppliers will be allowed for consideration. However, Chairman, Department Procurement Committee reserves the right to invite the bids from multiple combinations of Procurement Methods as stipulated in Chapter III of the Government Procurement Guideline, 2006 to ensure highest competitiveness.

11. PERFORMANCE BOND/GUARANTEE.

A successful bidder shall furnish a Performance Bond/Guarantee in the form of "On Demand" & "Unconditional" Bank/Insurance Guarantee for a sum equivalent to 10% of the contract value for every contract that exceeds Rs. 2,000,000.00 or equivalent amount in foreign currency through a recognized Commercial Bank registered in Sri Lanka or through an Insurance Company authorized by the Insurance Board of Sri Lanka to issue such Performance Guarantee for this purpose, **within two weeks from the date of notification of award.** The proceeds of the Performance Bond/Guarantee shall be payable to the Vice Chancellor of the General Sir John Kotelawala Defence University as compensation for any loss resulting from the supplier's failure to complete his performance obligations under the contract. If the contracted supplier fails to deliver the items on time or fails to complete the works as per the agreed contract, **THE TOTAL VALUE OF THE PERFORMANCE BOND/GUARANTEE** will be forfeited. If only partial delivery is made during the agreed contract period, the corresponding value percentage of undelivered quantity from the Performance Bond/Guarantee will be forfeited.

12. SIGNING OF CONTRACT.

The notification of award will be transmitted to the successful bidder by post, by fax or e-mail. This notification constitutes the formation of the contract. The successful bidder should submit his written acceptance for the award and performance bond / guarantee (For awards over Rs. 500,000.00 without VAT) within 14 days of receipt of such notification. Upon acceptance of the award and furnishing of the Performance Bond/Guarantee, the successful bidder will have to enter into a formal contract with the Vice Chancellor of the General Sir John Kotelawala Defence University by signing the Contract.

13. DELIVERY.

Preference will be given for early delivery. In case of bulk supplies for locally manufactured items, the delivery of **total quantity must be completed within 120 days of signing of contract**, unless mutually agreed for extended delivery period with General Sir John Kotelawala Defence University. **The bidder/s must indicate the proposed delivery schedule in Annex "D".** In the event of placing a purchase order with the successful bidder, the total quantity so ordered must be supplied as one consignment unless part deliveries are agreed upon in the contract. The deliveries not made as per agreed delivery schedule will be considered as bad performances by the suppliers and **no extended delivery period will be authorized.** Under extreme unavoidable conditions too, the Chairman, Department Procurement Committee (Vice Chancellor of the General Sir John Kotelawala Defence University) reserves the right to grant or refuse delivery period extensions only within the current financial year with or without liquidated claim for delayed deliveries and that decision will be final.

14. LIQUIDATED DAMAGES.

In case of delivery period extensions requested by the successful bidder, a sum equivalent to 1% of the total value of the delayed supply per delay of one week or part thereof may be deducted from the payment due to the supplier from the General Sir John Kotelawala Defence University as liquidated damages up to the maximum limit of 12% of the total value of delayed supplies.

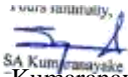
15. PAYMENT TERMS FOR LOCALLY DELIVERED ITEMS.

Payment will be made after acceptance of items which should be subjected to a pre-acceptance inspection/testing by General Sir John Kotelawala Defence University authorities. The delivery made to the General Sir John Kotelawala Defence University should not be considered as quantities taken over by General Sir John Kotelawala Defence University until items are properly accepted after pre-acceptance inspection. Any item that does not conform to the specifications or already approved sample will be rejected & it is the responsibility of the supplier to remove them from General Sir John Kotelawala Defence University stores/premises within 07 working days of such intimation (either verbal or written) at his own cost and replace them with items conforming to specification within one month of such rejection. The bidder shall allow approximately 60-90 days' period of credit from the date of acceptance of items for Account Office, General Sir John Kotelawala Defence University to obtain liquid cash from General Treasury & release the payment.

16. RIGHTS OF THE PROCUREMENT COMMITTEE.

The Department Procurement Committee reserve the right to accept or reject whole or part of this tender and their decision will be final. The successful bidders will be notified. Information with regard to rejected or unsuccessful bids will not be communicated.

Thanking You,
Yours faithfully,


SA Kumaranayaka
For Vice Chancellor
General Sir John Kotelawala Defence University

I/We agree to abide by the conditions of tender and undertake to supply the items as per delivery schedule mentioned in the contract, in the event of an order been placed with me/my firm/company as a result of this tender.

..... Signature

..... Name of Signatory

.....Name of the Company/Bidder

Date :-

Company seal

SCHEDULE OF PRICES FOR LOCALLY DELIVERED ITEMS

S/N	ITEMS	DENO	QTY	PRICE EACH SLRS	TOTAL PRICE SLRS
	<u>PURCHASE OF LAB EQUIPMENTS FOR FOT</u>				
01	Inclined Plane (Complete Set)	No's	1		
02	Concrete Permeability Apparatus	No's	1		
03	Marshall Stability Load Frame	No's	1		
04	Digital Point Load Test Apparatus with Hydraulic Bottle Jack	No's	1		
05	Flow Table Test	No's	1		
06	Compaction Factor Apparatus	No's	1		
07	Centrifuge extractor	No's	1		
08	Specific gravity and water absorption of aggregate apparatus	No's	1		
09	Riffle Sample Splitter	No's	1		
10	Mortar Mixer	No's	1		
11	Asphalt Mixer Theoretical Density Meter	No's	1		
12	Plate Load bearing test apparatus (Complete Set)	No's	1		
13	Ultrasonic Concrete Testing Equipment	No's	1		
14	Sonic Integrity Testing (SIT) of concrete piles equipment	No's	1		
	<i>Specification Attached</i>				
	TOTAL				
	DISCOUNT				
	TOTAL(AFTER DISCOUNT)				
	VAT %				
	GRAND TOTAL				

(A) OTHER DETAILS

- (i) DELIVERY PERIOD -
- (ii) MAKE & MODEL -
- (iii) VALIDITY PERIOD -
- (iv) WARRANTY PERIOD -
- (v) PAYMENT TERMS - **CREDIT**
- (vi) COUNTRY OF ORIGIN -
- (vii) DISCOUNT IF ANY -
- (viii) ANY OTHER TAXES -

(B) VAT DETAILS - **VALUE ADDED TAX PERMANENT REGISTRATION CERTIFICATE / VAT EXEMPTION LETTER ISSUED BY DEPARTMENT OF INLAND REVENUE TO BE ATTACHED**

(C) PLACE OF DELIVERY - **ITEMS TO BE DELIVERED TO THE "GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY, KANDAWALA STATE, RATMALANA ALONG WITH THE COPY OF ORDER AND RELEVANT INVOICE.**

(D) Any queries / information with regard to this procurement / tender could be obtained from Officer Commanding Logistics Services office at General Sir John Kotelawala during working hours.
NOTE: UNIT PRICE AND TOTAL PRICE ARE TO BE INDICATED CLEARLY IN THE TENDER, IF NOT QUOTATION WILL BE REJECTED.

SUPPLIER NAME -

ADDRESS -

CONTACT NUMBER -

E MAIL ADDRESS -

Company Seal

(E) Bid Reference: KDU/PRO/CAP/ 149/2022

.....
DATE

ANNEX "B"

Technical Specifications

Inclined Plane (Complete Set)

Item Code: KDU – Inclined Plane

Description- To determine coefficient of friction

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	<p>Inclined Plane (Complete Set) characteristics</p> <p>Material Wood and Stainless Steel</p> <p>Inclined board 0-45 degree adjustable</p> <p>Sizes 60 x 10 cm (Length x width)</p> <p>Stand board size 45 x 10 cm</p> <p>Total height 37cm</p> <p>2 Wooden friction block : 10 x 8 cm, 19 x 8 cm,</p> <p>1 steel friction block: 8x10cm</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				

2.	<p>Components</p> <p>The unit shall consists of</p> <ul style="list-style-type: none"> i. Inclined board ii. Stand board size iii. 2 Wooden friction block iv. 1 steel friction block 	C C C C				
3	<p>Warranty, Services Agreements and Documentation</p> <ul style="list-style-type: none"> i. All sub items described in this schedule should be covered by a warranty for a period of not less than 12 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. 	O				

Make & Model:

Country of Manufacture:

Technical Specifications

Concrete Permeability Apparatus

Item Code: KDU- Concrete Permeability Apparatus

Description- To determine the depth of penetration of water under pressure in the concrete specimens.

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	Concrete Permeability Apparatus characteristics Capacity: Single Cell Model Voltage : 220VAC-240VAC/50Hz Pressure gauge 0-20 kg/cm ² Automatic pressure valve and pressure rubber hose 6-20 V Specimen casting mould: 150mm dia X 150mm; 100mm dia X 100mm high Glass Cylinder: 500 cc Body: Mild Steel	 C C C C C C				
2.	Components i. Robust steel frame with clamping system ii. Valves iii. Gauge iv. Transparent Burettes v. a brass/ gunmetal cell of squares cross section mounted on a stand	 C C C C C				

	<ul style="list-style-type: none"> vi. a pressure chamber connected to the cell through copper tubing and T-connector mounted on the stand with sleeve packed valve and rubber hose pipe with end connections vii. Cell assembly: One base plate, one metal funnel, one top plate, and a pressure tube. 	C				
3	<p>Warranty, Services Agreements and Documentation</p> <ul style="list-style-type: none"> i. All sub items described in this schedule should be covered by a warranty for a period of not less than 24 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. ii. A Comprehensive Maintenance Contract (CMC) amount for the whole equipment including installation material for another 3 years should be quoted as per schedule given below after 02 year warranty period. <ul style="list-style-type: none"> a. 1st & 2nd year : Warranty period b. 3rd to 5th year: Comprehensive maintenance contract iii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning. iv. Spares / replaceable items/ consumables required for the system must be guaranteed for supply over a period of 5 years from the date of installation. The price list for such items over a period of 5 years from the date of installation should be made available. v. Prospective suppliers must provide documentary evidence of their previous experience with similar units installed in Sri 	C				
		C				

	<p>Lanka as well as evidence of the reliability of after-sales services provided.</p> <p>vi. Training should be provided to end users in respect of operation, handling and maintenance of equipment supplied.</p>	<p>O</p> <p>O</p>				
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Make & Model:

Country of Manufacture:

Technical Specifications

Marshall Stability Load Frame

Item Code: KDU- Marshall Stability Load Frame

Description- It consist of crushing a cylinder of bituminous material between two semi-circular test heads and recording the maximum load achieved and deflection.

Quantity - 1

1	2	3	4		5	6
	KDU Requirements					Bidder's Offer¹
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	<p>Marshall Stability Load Frame characteristics</p> <p>Capacity 89 kN</p> <p>Vertical Clearance: 495 mm</p> <p>Horizontal Clearance: 302 mm</p> <p>Lower platen diameter: 8in</p> <p>Loading rate: 50.88mm per minute</p> <p>Motor: 1hp AC motor and controller</p> <p>4" Marshall Breaking Head</p> <p>Flowmeter with 0.01 Dial</p> <p>Indicator Cross Arm</p> <p>Cabinet 14-gauge steel</p> <p>Voltage 220VAC/50Hz</p> <p>The equipment shall have Protection against electric shock "Class" 1.</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				

	<p>items over a period of 5 years from the date of installation should be made available.</p> <p>v. Training should be provided to end users in respect of operation, handling and maintenance of equipment supplied.</p>	<p>C</p> <p>O</p>				

Make & Model:

Country of Manufacture:

Technical Specifications

Digital Point Load Test Apparatus with Hydraulic Bottle Jack

Item Code: KDU- Digital Point Load Test Apparatus with Hydraulic Bottle Jack

Description- It is used to determine the strength values of a rock specimen, both in the field and in the laboratory.

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	Digital Point Load Test Apparatus with Hydraulic Bottle Jack characteristics Load Capacity 70 kN Digital Display: 2 x 16 characters Resolution : 32.0 div. Accuracy : ± 1% Load Readability: 1 N Serial Port for PC or thermal connection Distance between conical platens: 105 mm Distance between columns: 110 mm Distance between compression platens: 102 mm Dimensions: 280x450x670 mm Weight: 40 kg Voltage 220 V/50Hz	C C C C C C C C C C C C C C				

	<p>items over a period of 5 years from the date of installation should be made available.</p> <p>v. Training should be provided to end users in respect of operation, handling and maintenance of equipment supplied.</p>	O				
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Make & Model:

Country of Manufacture:

Technical Specifications

Flow Table Test

Item Code: KDU- Flow Table Test

Description- To determine consistency of fresh concrete

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
2.	Components i. Iron flow table with a grip and a hinge	C				
3	Warranty, Services Agreements and Documentation i. All sub items described in this schedule should be covered by a warranty for a period of not less than 6 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. ii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning.	O O				

Make & Model:

Country of Manufacture:

Relevant catalogues & technical information attached.

Information given under "Bidder's Offer" is true and correct.

Technical Specifications

Compaction Factor Apparatus

Item Code: KDU- Compaction Factor Apparatus

Description- To determine the compaction factor of concrete with low, medium and high workability

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
2.	Components i. Upper Hopper- Hinged Trap door attached to the Lower end ii. Lower Hopper- Hinged Trap door attached to the Lower end iii. Cylinder iv. Base	C C C C				
3	Warranty, Services Agreements and Documentation i. All sub items described in this schedule should be covered by a warranty for a period of not less than 12 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. ii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning.	O O				

Make & Model:

Country of Manufacture:

Technical Specifications

Centrifuge extractor

Item Code: KDU- Centrifuge extractor

Description- To establish the bitumen percentage in bituminous paving mixtures.

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
2.	<p>Components</p> <ul style="list-style-type: none"> i. Precision-machined rotor bowl housed in a cylindrical aluminium box. ii. Electric motor fit iii. Voltage: 240V/50Hz 	<p>C</p> <p>C</p> <p>C</p>				
3	<p>Warranty, Services Agreements and Documentation</p> <ul style="list-style-type: none"> i. All sub items described in this schedule should be covered by a warranty for a period of not less than 24 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. ii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning. iii. Spares / replaceable items/ consumables required for the system must be guaranteed for supply over a period of 5 years from the date of installation. The price list for such 	<p>C</p> <p>C</p>				

	<p>items over a period of 5 years from the date of installation should be made available.</p> <p>iv. Training should be provided to end users in respect of operation, handling and maintenance of equipment supplied.</p>	<p>C</p> <p>O</p>				
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Make & Model:

Country of Manufacture:

Technical Specifications

Specific gravity and water absorption of aggregate apparatus

Item Code: KDU- Specific gravity and water absorption of aggregate

Description- To measure the strength or quality of the material

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	<p>Specific gravity and water absorption of aggregate apparatus characteristics</p> <p>Material: Steel</p> <p>Balance capacity: 6 kg</p> <p>Accuracy: 0.5 gm</p> <p>Density Basket size: 30 cm</p> <p>Wire basket: 6.3 mm</p> <p>Gl tray: 1 no. not less than 650 cm²</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				
2.	<p>Components</p> <p>i. A balance of capacity about 6kg</p> <p>ii. A wire basket of not more than 6.3 mm mesh</p> <p>iii. A container for filling water and suspending the basket</p> <p>iv. An air tight container of capacity similar to that of the basket</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p>				

	v. A shallow tray and two absorbent clothes, each not less than 75x45cm	C				
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Make & Model:

Country of Manufacture:

Technical Specifications

Riffle Sample Splitter

Item Code: KDU- Riffle Sample Splitter

Description- To reduce the size of samples

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
2.	Components i. Steel Sheet	C				
3	Warranty, Services Agreements and Documentation i. All sub items described in this schedule should be covered by a warranty for a period of not less than 12 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. ii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning.	O O				

Make & Model:

Country of Manufacture:

Technical Specifications

Mortar Mixer

Item Code: KDU- Mortar Mixer

Description- To make different kinds of mortar

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	<p>Mortar Mixer characteristics</p> <p>Capacity 100 litre</p> <p>Material Mild Steel</p> <p>Weight 1200 kg</p> <p>Dimension 12000 x 8000 x 15000 mm</p> <p>Mixer Type Pan Mixer</p> <p>Voltage 240V/50Hz</p> <p>The equipment shall have Protection against electric shock "Class" 1.</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				
2.	<p>Components</p> <p>i. Steel bowl of about hundred liters capacity</p> <p>ii. Switch box</p>	<p>C</p> <p>C</p>				

3	<p>Warranty, Services Agreements and Documentation</p> <ul style="list-style-type: none"> i. All sub items described in this schedule should be covered by a warranty for a period of not less than 12 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. ii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning. 	C				
		C				

Make & Model:

Country of Manufacture:

Technical Specifications

Asphalt Mixer Theoretical Density Meter

Item Code: KDU- Asphalt Mixer Theoretical Density Meter

Description- Determination of theoretical density of asphalt mixer by vacuum method for applications such as asphalt mixer design, road condition investigation, calculation of porosity and compactness in the road construction quality management

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	<p>Asphalt Mixer Theoretical Density Meter characteristics</p> <p>Power Supply 230 V AC single phase 50 Hz</p> <p>Vaccum containers 2 (Made of acrylic pipe)</p> <p>Vibratory table: 1</p> <p>Vacuum range: 0-750 mm Hg</p> <p>Vibration Loading: 10 kg</p> <p>Vaccum gauge: 1</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				
2.	<p>Components</p> <p>i. vacuum gauge</p> <p>ii. 2 vacuum containers made of acrylic pipe</p> <p>iii. vibratory table</p>	<p>C</p> <p>C</p> <p>C</p>				

3	<p>Warranty, Services Agreements and Documentation</p> <ul style="list-style-type: none"> i. All sub items described in this schedule should be covered by a warranty for a period of not less than 24 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. ii. Comprehensive Maintenance Contract (CMC) amount for the whole equipment including installation material for another 3 years should be quoted as per schedule given below after 02-year warranty period. <ul style="list-style-type: none"> a. 1st & 2nd year: Warranty period b. 3th to 5th Year: Comprehensive maintenance contract iii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning. iv. Spares / replaceable items/ consumables required for the system must be guaranteed for supply over a period of 5 years from the date of installation. The price list for such items over a period of 5 years from the date of installation should be made available. v. Training should be provided to end users in respect of operation, handling and maintenance of equipment supplied. 	C	C	O	C	O
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Make & Model:

Country of Manufacture:

Technical Specifications

Plate load bearing test apparatus (Complete Set)

Item Code: KDU- Plate load bearing test apparatus

Description- To determine bearing capacity and settlement of ground under given load.

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	<p>Plate load bearing test apparatus set characteristics</p> <p>LPI Digital Readout Unit</p> <p>piston assembly 200 kN capacity</p> <p>Loading plates dia. 300 mm and 450 mm</p> <p>Datum bar 2.4 m long</p> <p>Digital dial gauges with dial supports 3 pcs. 25 mm travel x 0.01 mm</p> <p>Hydraulic hand pump</p> <p>Flexible hose 1.5m</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				
2.	<p>Components</p> <p>i. Hydraulic Jack with pressure gauge</p> <p>ii. pressure transducer</p> <p>iii. LPI battery</p> <p>iv. digital dial gauges</p> <p>v. dial supports</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				

3	<p>Warranty, Services Agreements and Documentation</p> <ul style="list-style-type: none"> i. All sub items described in this schedule should be covered by a warranty for a period of not less than 24 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. ii. Comprehensive Maintenance Contract (CMC) amount for the whole equipment including installation material for another 3 years should be quoted as per schedule given below after 02-year warranty period. <ul style="list-style-type: none"> a. 1st & 2nd year: Warranty period b. 3th to 5th Year: Comprehensive maintenance contract iii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning. iv. Spares / replaceable items/ consumables required for the system must be guaranteed for supply over a period of 5 years from the date of installation. The price list for such items over a period of 5 years from the date of installation should be made available. v. Training should be provided to end users in respect of operation, handling and maintenance of equipment supplied. 	C				
		C				
		O				
		O				
		O				

Make & Model:

Country of Manufacture:

Technical Specifications

Ultrasonic Concrete Testing Equipment

Item Code: KDU – Ultrasonic Concrete Testing Equipment

Description-

Standards and Norms:

EN12504-4 (Europe), ASTM C 597-02 (North America), BS 1881 Part 203 (UK), ISO1920-7:2004 (International), IS13311 (India), CECS21 (China)

Ultrasonic testing can be used for:

- The homogeneity of a material
- The presence of voids, cracks or other internal imperfections or defects
- Crack Depth measurement
- Changes in the concrete which may occur with time (i.e. due to the cement hydration) or damage from fire, frost or chemical attack
- The strength or modulus of a material
- The quality of the concrete in relation to specified standard requirements

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	Ultrasonic Concrete Testing Equipment characteristics					
	Range	0.1 – 7930 μs				
	Resolution	0.1 μs (< 793 μs), 1 μs (>793 μs)	C			
	Display	7" Colour, 800 x 480 pixels	C			
	Pulse Voltage	100 – 450 Vpp	C			
	Bandwidth	20 – 500 kHz	C			
	Receiver Gain	1x – 10,000x (0-80dB) 11 steps	C			
			C			

	<p>Memory 8 GB Flash memory, storage of up to 100,000 A-Scans</p> <p>Battery Lithium Polymer, 3.6 V. 14.0 Ah</p> <p>Battery Lifetime >8 h</p> <p>Operating Temperature 0 > 30 °C (Charging, operating) 0 > 40 °C (Charging, Off) -10 > 40 °C (Not Charging)</p> <p>Humidity < 95% RH, non-condensing</p> <p>IP Classification IP 54</p>	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				
2.	<p>Components</p> <p>The unit shall consist of</p> <ul style="list-style-type: none"> i. Pundit Touchscreen ii. 2 Transducers 54 kHz iii. 2 BNC cables 1.5m, BNC Adapter Cable iv. Couplant v. Calibration Rod vi. Battery Charger, USB cable vii. DVD w. Software, Documentation, Carrying Strap, Case 	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				
3	<p>Warranty, Services Agreements and Documentation</p> <ul style="list-style-type: none"> i. All sub items described in this schedule should be covered by a warranty for a period of not less than 24 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories. ii. Comprehensive Maintenance Contract (CMC) amount for the whole equipment including installation material for another 3 years should be quoted as per schedule given below after 02-year warranty period. 	<p>C</p> <p>C</p>				

	<p>a. 1st & 2nd year: Warranty period</p> <p>b. 3th to 5th Year: Comprehensive maintenance contract</p> <p>iii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning.</p> <p>iv. Training should be provided to end users in respect of operation, handling and maintenance of equipment supplied.</p>	<p>O</p> <p>O</p>				

Make & Model:

Country of Manufacture:

Technical Specifications

Sonic Integrity Testing (SIT) of concrete piles equipment

Item Code: KDU – Sonic Integrity Testing (SIT) equipment

Description-

Standards and Norms:

In accordance with [ASTM D5882](#), EuroCode, and other national codes for low strain impact testing

Ultrasonic testing can be used for:

To test the quality of concrete piles in a non-destructive way before they are incorporated in the final foundation plan.

Quantity - 1

1	2	3	4	5	6	
	KDU Requirements				Bidder's Offer¹	
		Priority²	Conformity		Proof⁴	Remarks³
			Yes	No		
1.	<p>Sonic Integrity Testing (SIT) equipment characteristics</p> <ul style="list-style-type: none"> • Allnamics-SIT-USB, the high-quality data acquisition system • Fast and Accurate • Sample rate 50 kHz • 24-bit conversion • Class IP66 housing • Robust design • Intelligent sensor (USID) • In compliance with ASTM Standard D5882, EA Pfähle 2012, CUR-Aanbeveling 109:2013, AFNOR NF P 94-160-2 and NF P 94-160-4. • Software program for monitoring, processing, and reporting included 	<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p>				

	<ul style="list-style-type: none"> Power supply unit included 	C				
2.	<p>Components</p> <p>The unit shall consist of</p> <p>i. Sonic Integrity Testing (SIT) equipment</p>	C				
3	<p>Warranty, Services Agreements and Documentation</p> <p>i. All sub items described in this schedule should be covered by a warranty for a period of not less than 24 calendar months from the date of successful commissioning of the equipment including for any defect in manufacturing process, workmanship and all accessories.</p> <p>ii. Comprehensive Maintenance Contract (CMC) amount for the whole equipment including installation material for another 3 years should be quoted as per schedule given below after 02-year warranty period.</p> <p style="padding-left: 40px;">a. 1st & 2nd year: Warranty period</p> <p style="padding-left: 40px;">b. 3th to 5th Year: Comprehensive maintenance contract</p> <p>iii. The technology manuals having full details of installation, operations, service and maintenance in the English language must be made available in duplicate at the time of installation and commissioning.</p> <p>iv. Training should be provided to end users in respect of operation, handling and maintenance of equipment supplied.</p>	C	C			
		O				
		O				

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Make & Model:

Country of Manufacture:

Relevant catalogues & technical information attached.
 Information given under "Bidder's Offer" is true and correct.

Bidder's Name, signature & Date

Company seal

¹ Bidder shall fill in Col. 4, 5 & 6
² Purchaser will mark C for critical requirements, O for optional requirements
³ If the bidder has marked No for Conformity, bidder shall provide information in this column of his offer against the clause concerned in col. 2 (Purchaser's requirements). If the bidder has marked Yes, Bidder has the option of providing additional information to establish that it conforms to the specification given
⁴ Bidder shall include proof to support the conformity of the specification e.g. document and the page number in the original user/service manual mentioning the specification.

SPECIMEN FORM OF BID SECURITY

By this Bond we (hereinafter called "the Bidder") and We (name of bank or insurance company) whose registered office is at..... (hereinafter called "the Surety") are held and firmly bound onto (hereinafter called the Authority") in the sum of for the payment of which sum the Bidder and the Surety bind themselves their successors and assigns jointly and severally by those presents.

Whereas the authority has invited the Tender and other persons to compete tenders in similar terms for the supply of and to submit the same for the consideration of the Authority, and the Bidder proposes to submit to the Authority a Bid (hereafter called "the Bid") in accordance with such invitation, the Bond shall provide security to the Authority that the Bidder will honour certain obligations to be undertaken by him in the Tender in accordance with the following conditions.

Now the Conditions of this Bond are:

- (a) That it shall remain in full force and effect until the earliest of
 - (i) (Date), being () days from (submission date), the date stipulated by the Authority for the submission of tenders, or any prolongation of such date above notified to the Authority by the Bidder and the Surety in writing.
 - (ii) In the event of acceptance of the Tender by the Authority, the date upon which the Bidder provides a performance security to the Authority in accordance with the terms of the contract thereby made between them, or
- (b) Subject to this Bond being in full force and effect, the Surety shall pay the full amount specified in this Bond upon receipt of first written demand form the Authority stating that.
 - (i) The Bidder has withdrawn his Tender during the validity of this Bond, or
 - (ii) The Bidder has failed to provide a performance security to the Authority in accordance with the terms of the tender within 14 days from receipt of intimation of award of the Tender.

No alteration in the terms of the Tender, nor any forbearance of forgiveness in or in respect of neither any matter or thing concerning the Tender on the part of the Authority, nor any objection from the bidder shall in any way release the Surety from any liability under this Bond.

The benefit of this Bond shall not be assignable by the Authority and upon its ceasing to be in full force and effect the Authority shall return the same to the Bidder.

This Bond shall be governed by the laws of Sri Lanka

I executed as a deed on this () day of () 20 ()

For and on behalf of the Bidder

For and on behalf of the Surety

Signed by.....

Signed by.....

In the capacity of -----

In the capacity of -----

and by.....

and by.....

In the capacity of -----

In the capacity of -----

Seal (where applicable)

Seal (where applicable)

DELIVERY SCHEDULE

(IT IS MANDATORY TO FILL THE FOLLOWING SCHEDULE BY THE BIDDER)

TENDER NO :

ITEM :

QTY :

DURATION	QTY
EX STOCK QTY (WITHIN 01 WEEK)	
01MONTH	
02 MONTHS	
03 MONTHS	
04 MONTHS	
TOTAL	

NAME OF THE BIDDER :

SIGNATURE OF BIDDER :

DATE :

COMPANY SEAL :