DEPARTMENT OF CIVIL ENGINEERING INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR P. O. Botanic Garden, Howrah, West Bengal–711103, India Phone: 033-26684561 FAX:033-26682916

Tender reference No: IIESTS/CE/GTE/PLG/EQUIP/2022-23/01

Date: 11.01.2023

NOTICE INVITING TENDER

Sealed tenders are invited by the Civil Engineering Department, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103 for the supply of **Mechanical Direct Shear Machine**, Department of Civil Engineering, Indian Institute of Engineering Science and Technology, Shibpur.

Tender Documents containing details of the items and terms and conditions may be downloaded from the institute website and completed bidding documents are to be submitted to the **Head**, **Department of Civil Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103** <u>or</u> dropped into the Tender Box kept in the Department within January **25, 2023(4:30 pm)**.

For further clarification, please contact Dr. Ashis Kumar Bera [9433928492]

Enclosed:Section- I: General Conditions and Important Instructions for Bidders.Section-II: Specification of the Items.

Head Department of Civil Engineering IIEST, Shibpur

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SECTION-I: General Conditions and Important Instructions for Bidders

- 1. Interested parties/vendors are to download the tender documents with detailed specifications from the institute website (<u>www.iiests.ac.in</u>)
- 2. It is necessary to submit the original tender documents along with technical and price bids to the Office, Department of Civil Engineering, Indian Institute of Engineering Science and Technology (IIEST), Shibpur; Howrah-711103.
- 3. Bidders are to abide by the terms and condition and submit this tender document in original duly signed with acceptance of the terms and conditions.
- 4. Last date of receipt of tender is **January 25, 2023(4:30 pm)**. Tenders received late will not be accepted under any circumstances. Tenders will be opened in the Department of Civil Engineering, on the same day at 4:45 pm. In case the Institute remains closed on the said date, tenders will be opened on next working day at 4:30 pm.
- 5. The Price Bid should clearly mention the price including the following:
 - Delivery charges up to **Geotechnical Engineering Laboratory**, Department of Civil Engineering, IIEST, Shibpur, Howrah, including loading and unloading charges.
 - All taxes, duties, levies applicable.
 - Erection, Commissioning and testing charges at Geotechnical Engineering Laboratory, Department of Civil Engineering, IIEST, Shibpur site.
 - Warranty of at least 3 years on all components of purchase
- 6. DGS&D rate contract price will be preferred wherever applicable. The Institute will not issue any C or D form availing for concessional Sales Tax/ VAT. The Institute will issue Customs Duty Exemption Certificate or Excise Duty Exemption Certificate for foreign purchase, if required.
- 7. The equipment/goods are to be supplied at the **Geotechnical Engineering Laboratory**, Department of Civil Engineering, Indian Institute of Engineering Science and Technology between 11.00 am and 4.00 pm from Monday to Friday except holidays. The bidders will be responsible for any breakage, damage or defect in the equipment detected subsequently.
- 8. Period of delivery of equipment/ execution of work should be within two weeks from the date of issue of Purchase Order. If the supply/execution is not completed within the stipulated period as indicated in the Purchase Order a Liquidated Damage @0.5% per week will be imposed on the value of purchase order.
- 9. GST as per rule.
- 10. Bills in triplicate should be presented for payment within 7 days of supply/ commissioning of work. No advance is paid for execution of the order. The Order No. is to be noted on both Challan and Bill. All bills are to be accompanied by order copies and Challan receipt.
- 11. Payment will be made on submission of Proper Bills, Challans etc, by A/C Payee Cheque and no cash payment will be made under any circumstances.
- 12. All payments are subjected to statutory deductions as and when applicable.
- 13. Tender is to be kept valid for acceptance for 3 months with effect from the last date of issue of the tender without any modifications in its terms and conditions.
- 14. Documents mandatory to be submitted with the tender:
 - Tender Documents, General Conditions and Important Instruction in original duly signed by the Proprietor/ Partner/ Director of the company as a token of acceptance of Terms and Conditions of Tender.
 - Latest Income Tax, Sales Tax, Professional Tax clearance certificates and copy of valid Trade License
 - Bid according to specifications.
 - Certificates, literature and specifications in support of the items offered.

15. Authority reserves all rights to accept/reject any/all quotation without showing any reason.

I/We accept the above terms and conditions.

Signature of vendors with date & Seal

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51		Item/Work	Descript	ion		Qua ity
) 	MECHANICAL DIRECT SHEAR MACHINE					1no
	Thee equipment comprises the following:					
	Loading Unit: It consists of a load frame with V-strips on which shear boxhousing					sing
	rests, load yoke with direct and lever system for applying normal load tocapacity					
	of 8 kg/cm ² , fixture for proving ring, bracket for holding consolidationdial gauge and motorized –cum manually operated lead screw for application of shearstress.					
						ess.
	$The apparatus should be a {\it sperIndian} Standard sand supplied with all necessary apparatus the standard sand sand sand sand sand sand sand san$					ratu
	s/partsconformingtoIndian Standards.					
	1.	Typeofshear:	Direct/Residualmeasurement			
		Operation:	Motorised (12 SPEEDS), Hand-operated			berated
		Capacity:	2kN			
	4.	Strainrates(mm/min):	1.25,	0.625,0.25,0.12		
		0.005,		0.002,0.001,	0.0004, 0	0.0002
	_	mm/min.		0.05		
		Specimensize(mm):	60 x60x25 mm. Theassemblycomprisesof			
	0.	Shearbox assembly:Halvesoftheshear box	Thea	2Nos.	6801	
		Planegripperplate	-	2N08. 2 Nos.		
		Perforated gripperplate	-	2 Nos. 2 Nos.		
		Porousstone	_	2 Nos.		
		Toploadingpad	_	2 Nos. 1 No.		
		Baseplate	_	1 No.		
	7. Shearboxhousingwithtwo linear bearingcasewith steer- 1 No.					
	8. Specimencutter - 1 No.					
	9. Surcharge weightstoattain normalstressof3 kg/cm ² 1 set 0.05					0.05
	kg/cm ² :4Nos.;0.10kg/cm ² :1No.;0.20kg/cm ² :1No.;0.50 kg/cm ² :3 Nos.; 1.00					; 1.00
	kg/cm ² : 1 No.)					
	10. Compression–Tensionprovingring:02 kN capacity					acity
	11. DialGauge25 mmtravel, 0.01mmleast count:02 Nos.					
	Note:					
	A. Electrically operated equipment's should be suitable for operation on 220 V,50Hz,					,50Hz,
	Single Phase, AC supply.					
	B. The proving rings must have a certificate from NPL or NCCBM					

Note: Warranty of at least 3 years on all components of the purchase should be provided and its cost, if any should be included in the quoted price