

# For the "Supply Installation and Commissioning of Transportation Engineering Equipment" INDIAN INSTITUTE OF TECHNOLOGY DHARWAD

## **NOTICE INVITING QUOTATIONS FOR LOCAL PURCHASE**

1.	LPC No.		IITDH/P1B/MMD/LPC/CIE/2025-26/360			
2.	Description		For the "Supply Installation and Commissioning of Transportation Engineering Equipment" INDIAN INSTITUTE OF TECHNOLOGY DHARWAD			
3.	Specifications	S	Annexure Attached			
4.	Quantity		Annexure Attached			
5.	Procurement	Category	OH-35, Scientific Research Equipment			
6.	Procurement	Туре	Local Purchase			
7.	Submission	of Quotation: by ema	nil to armm@iitdh.ac.in			
	Cover No.	Cover Type	Description			
8.	1	Technical Document	Compliances of specification with detailed catalogue/ brochure, MAF, Warranty Declaration, Bidders Information, Previous Supply Orders, Delivery Period etc.			
	2	Financial Document	Separate financial quote with password protection to be submitted (Annexure III) (If participant is technically qualified an official emwill be sent requesting the password)			
9.	Form of Cont	ract	Buy/Supply			
10.	QUOTATION	Validity (Days):	30 Days			
11.	Period of Work/Delivery Period (Days)		Delivery period of materials 120 days			
12.	Payment Terms		Within 30 days (Ref Terms of Payment Section II of page no.3)			
13.	Delivery Location		IIT Dharwad Permanent Campus, ChikkamalligawAD, Dharwad-580011, Karnataka, India			
14.	Pin Code		580011			
15.			Assistant Registrar (MMD), IIT Dharwad Address: IIT Dharwad Permanent Campus, ChikkamalligawAD, Dharwad-580011, Karnataka, India			



#### Section – I: Instructions to participants

- 1. **Indian Institute of Technology Dharwad** invites Quotations for the item as mentioned in **SI. No. 2 of page 1** of this document and as per the **Technical Specifications** given in **Section III** of this document.
- 2. The participant should note that the **technical specifications** mentioned in **Section III** form the core of the product. The offers must strictly be as per the specifications given. At the same time, it must be kept in mind that mere copying of our specifications in the Quotation shall not make the Quotation eligible for consideration. A Quotation has to be supported with the **original catalogue** of the quoted item(s), duly signed by the **authorized person** participating. Non-compliance with the above shall be treated as **incomplete/ambiguous**, and the quote may be ignored without giving an opportunity to the participant for further **clarification/negotiation**, etc.
- 3. The participant shall ensure that the quote submitted by him includes **all accessories (as per annexures)** for full execution of the contract. The participant shall not charge extra for additional items required to meet the **operational requirement** at the stage of **installation and commissioning**.
- 4. Quotations can be submitted through Email/Speed post/Courier/by Hand.
- 5. The participant must submit all documents required for evaluation of the techno-commercial Quotation, duly signed and sealed by the competent authority of the firm. In the event of non-receipt of any of the required documents, the participant may be disqualified from the process. The Quotation or any paper related to the Quotation will not be accepted after the given deadline or the last date published on the webpage of Local Purchase listings. Further, any separate correspondence in this matter shall not be entertained.
- 6. During evaluation of the quote, the **committee** will scrutinize the documents mentioned above and may forward any or all the documents to the **concerned authorities** for **verification and authentication**. In case any document(s) as submitted by the participant is found/reported to be **fake**, the participant will be out of the **evaluation process** and suitable **legal action** may be initiated against the participant.
- 7. Besides, scrutinizing the documents submitted with the quote, the participant may be **interviewed** by the **Committee** to assess the **eligibility, capability, and suitability** of the participant.
- The above-mentioned basic eligibility conditions and additional clauses are broad guidelines for prequalification, and the Director, IIT Dharwad, hereby reserves the right to relax/alter/modify/add any or all the conditions.



#### Section - II: General Conditions of Contract

### **Evaluation of Quotation:**

- a) Techno-Commercial Quotation will be evaluated for suitability as per documentary validation, eligibility criteria, and technical specifications laid out in this document. The Quotations found suitable will be recommended by the Committee and, after approval of the competent authority, shall be deemed as technically suitable offers.
- b) In case any participant is silent on any clauses mentioned in this document, IIT Dharwad shall construe that the participant has accepted the clauses of this document, and no further claim will be entertained.
- c) No revision in the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of the Quotation.
- d) Any OEM (or their authorized resellers) from a country that shares a land border with India will be eligible to participate in this document only if the OEM is registered with the Competent Authority in compliance with the Dept. of Expenditure, Ministry of Finance OM No. F.No.6/18/2019-PPD dated 23/07/2020, as amended from time to time.

#### **Corrupt & Fraudulent Practices:**

IIT Dharwad requires that participants, suppliers, contractors, and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the terms set forth below are defined as follows:

- a) "Corrupt practice "means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of in kind/value to influence the action of a public official in the procurement process or in contract execution.
- b) "Fraudulent practice" means a misrepresentation or omission of facts to influence a procurement process or the execution of a contract.
- c) "Collusive practice" means a scheme or arrangement between two or more participants, designed to establish QUOTATION prices at artificial, non-competitive levels; and
- d) "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.
- e) IIT Dharwad will reject a proposal for award if it determines that the participant recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract in question.

### **Training and pre-installation checks:**

- a) The participant shall also submit training proposal for the operation and maintenance to the personnel of IIT Dharwad on the offered equipment/machinery.
- Wherever needed, our technical personnel should be trained by the supplier at the project site free of cost.
- c) The participant shall mention the pre-installation requirements for the equipment, like ambient temperature, humidity, civil work, weather specifications, power specifications, etc. When all items are provided, full performance satisfaction should be demonstrated to IIT Dharwad.

### <u>Terms of Payment: (For Indigenous Supplies):</u>

Payment within 30 days from the date of delivery, installation, commissioning, demonstration, training, testing and receipt of Acceptance Certificate of concerned Department/Section/ Materials Management Division, IIT Dharwad. Payment shall be made by electronic fund transfer or such other



mode offered by the Bank. IIT Dharwad does not pay any advance payment to the party. Any request for Advance payment will be summarily rejected.

### **Transfer and Subletting:**

The seller shall not sublet, transfer, assign, or otherwise part with the acceptance to the contract or any part thereof, either directly or indirectly, without the prior written permission of the Purchaser.

## Delivery terms (only DDP, IIT DHARWAD mode of shipment acceptable):

Items should be delivered to the specified location in the permanent campus of IIT Dharwad, Karnataka, India – 580011, free of cost. The supplier should arrange for the entire process from the origin of equipment to the Stores at IIT Dharwad (including charges for safe packing, Marking & labelling, loading charges, road/air freight, insurance of goods, unloading charges, transport & unloading at buyer destination, installation, commissioning, demonstration and training; within the quoted price).

#### Freight & Insurance:

No freight and insurance charges will be provided, and the materials are to be delivered at IIT Dharwad Permanent Campus, IIT Dharwad at the cost and risk of the supplier within the quoted price as per the delivery terms mentioned in the above paragraphs.

### **Warranty Condition:**

- a) The supplier must give a comprehensive on-site support and maintenance for a period specified as a part of the specifications in respect of the subject item (mentioned in Section III) from the date of commissioning and acceptance of the items.
- b) The warranty provided shall be comprehensive, meaning it must include the cost of the spares, materials, manpower, and any other incidental expenses thereto.
- c) Any deviation in the equipment and the specification from the accepted terms and conditions may lead to rejection and non-acceptance of stores. In such case, the participant/manufacturer is required to supply all the items in the specified form to the satisfaction/ specifications mentioned in the order and demonstrate at their own cost. The payments shall be made only after receiving the materials as per the required specification and quality to the satisfaction of the competent authority of IIT Dharwad.

### **Installation & Demonstration:**

- a) The supplier is required to carry out the supply, installation, commissioning & demonstration of the subject item at the permanent campus of IIT Dharwad installation site within the delivery period; otherwise, the penalty clause will be the same as per the supply of material (refer to the liquidated damages below).
- b) In case of any mishandling/damage to items and supplies during carriage from the origin of items to the installation site, the supplier has to replace it with new items/supplies immediately at their own risk and cost. The supplier will settle his claim with the insurance company at their convenience. IIT Dharwad will not be liable for any type of losses in any form.
- c) Supplier shall be responsible for installation/demonstration wherever applicable and for after-sales service during the warranty period and thereafter as mentioned in the contract.
- d) Installation demonstration to be arranged by the supplier within the quoted price, and the same is to be done within 15 days of the arrival of the equipment at the site or whenever informed by IIT Dharwad.

### **Liquidated Damages:**

The equipment should be delivered/dispatched to destination and ready for use not later than the delivery period specified. If the supplier fails to deliver any or all the stores or perform the service by the specified date, liquidated damages @0.5% per week or part thereof in respect of the value of the delayed stores



will be deducted from the bill, subject to a maximum of 10% value. The same terms are applicable for the installation, training, and demonstration clause mentioned above.

### **Dispute and Jurisdiction:**

Any legal disputes arising out of any breach of contract pertaining to the whole process of this procurement shall be settled in the court of competent jurisdiction in the district of Dharwad, Karnataka.

### **Cancellation of Notice Inviting Quotation:**

- a) Notwithstanding anything specified in this document, the Purchaser/IIT Dharwad, at its sole discretion, unconditionally and without assigning any reasons, reserves the rights:
  - 1. To accept or reject the lowest Quotation or any other Quotation or all the Quotations.
  - 2. To accept any Quotation in full or in part.
  - 3. To reject any Quotation or offer not confirming to the terms mentioned in this document.
  - 4. To cancel the Notice Inviting Quotation at any stage during the evaluation and before the award of work.
- b) Offers which deviate from the **vital conditions** (as illustrated below) of the Quotation shall be rejected:
  - 1. Non-submission of complete offers as mentioned in this document.
  - 2. Receipt of offers after the due date and time and/or by email/fax (unless specified otherwise).
  - 3. Receipt of offers in open condition.
  - 4. Conditional Quotations and unsigned Quotations will also be rejected. The Supplier shall not be liable for imposition of liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of

## Force Majeure.

- a) For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, guarantine restrictions and freight embargoes.
- b) If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

#### **Supervision of Commissioning:**

The supplier shall depute concerned specialists for the supervision of the commissioning of the machine to be carried out. The Supplier shall make necessary arrangement at their own expenses for stay, transport and other expenses of their specialist during their stay in Dharwad which also includes imparting free of cost training to IIT Dharwad personnel.

### The Institute Reserves the Right to:

- a) Increase or decrease the quantity of the item(s) as per requirement.
- b) Reject the QUOTATION in absence of not furnishing the documentary evidence in respect of GST and Income Tax clearance certificates together with the performance of supplies in various branches/institutions.
- c) Reject the QUOTATION in the event of non-furnishing the authentic documentary evidence in respect of Testing reports / Performance report of the concerned Govt. Organization / Institutions about the



- products being manufactured and marketed. The performance test of the product can be conducted at Institute level also for which charge will have to be borne by the suppliers.
- d) Reject the supplies already made, if not found up to the mark. Thorough checking may be adopted to test the correctness of the supply. In such an event further, action may call to conform or discard the supply.

### Performance Guarantee (as per GFR 2017 Rule 171):

- a) Suppliers shall furnish 5% of the contract value as a performance security for a period of 02 months beyond the expiry of all warranty and maintenance contract related obligations within 15 days of acceptance of the Purchase Order.
- b) Performance Security may be furnished in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial bank, Bank Guarantee from a Commercial bank or online payment in an acceptable form, safeguarding the purchaser's interest in all respects as per GFR 2017, Rule 171, and as amended from time to time

### **LOSS OR DAMAGE:**

If goods supplied are found defective either in material or workmanship or do not conform to the specifications or unsuitable for the purpose for which they are meant for, the seller has to replace the required goods at free of cost. However, IIT Dharwad reserves right to reject the goods and repudiate.



## Table-1

SI. No.			Response by vender M/s
1.	Unconditional acceptance to all the Terms and conditions set out herein	Declaration to be provided	
2.	Price QUOTATION Format (Password-Protected File)	As per Annexure-III	
3.	Price QUOTATION Currency	INR	
4.	Delivery terms	Ref Delivery terms Section II of page no.4	
5.	GST Rate (If Local supply in India)	@ Applicable rates	
6.	Warranty	Submit a declaration in this regard (as per Annexure-I)	
7.	Blacklisting status	Submit a declaration in this regard (as per Annexure-II)	



## Section - III Complete Schedule of Requirements and Compliance

	This section has following compliance requirements:		
i	Compliance for technical specifications of the equipment to be supplied		

# <u>Table of compliance for technical specifications of the equipment to be supplied (to be filled by participant)</u>

## **ANNEXURE 1: Specifications For "Transportation Engineering Equipment"**

No.	Equipment Name and Specification		Specifications of the quoted product	
1	Asphalt Content Oven-(Asphalt I			
	Specification Requirement			
	Compliance Standards	ASTM D6307-98, AASHTO T30		
	Chamber Dimensions	350 × 350 × 350 mm		
	Chamber Volume	42 Liters		
	Max specimen weight	4500 gms (recommended 1000–1500 gms)		
	Balance	10 kg capacity, 0.1 g precision		
	Max Chamber Temperature	600°C (Working 538°C)		
	Control	7" Touch screen HMI & PLC Controller		
	Output	In-built dot matrix printer		
	Specification	Requirement		
	Accessories	Sample bucket, lifting handle, asbestos gloves, aramid heat resistant gloves		
	Power	440V AC ±10%, 50 Hz		
	Dimensions	800 × 800 × 1600 mm		
	Weight	290 kg approx.		
2	Apparatus For Determination of Specification	Wax Content With Accesories As Per IS 10512-2003 Requirement		
	Compliance Standards	IS 10512:2003		
	Included Accessories	Distillation unit, refrigerated bath, filtration unit, burners, funnels, test tubes		
	Mandatory Accessories	Oil-free vacuum pump, analytical balance 220g x 0.0001g, hot air oven 45x45x45cm, thermometer –30°C to 200°C		
	Apparatus as per IS 10512 c	Distillation Flask 100 ml: 1 no Sheet Metal Guard Ring1 no. Refrigerated Cooling Bath1 no. Test Tubes Ø38×160 mm 29/32 with wash bottle3 nos		



		Test tubes Ø38×160 mm with a spout and bored cork stopper:3 nos Filter Funnel Ø70×200 mm 1 no. Test Tube (with ground glass socket & wash bottle head)1 no. Erlenmeyer Flask 100 ml1 no. Vacuum Filtering Flask 500 ml1 no. Suitable adjustable stand for Cooling Bath Gas burner	
3	Pulveriser		
	Specification	Requirement	
	Disc Diameter	175 mm	
	Feed Size	1–6 mm	
	Yield	50 g/min	
	Output Size	212 microns (1st pass), 150 microns (2nd pass)	
	Power	3 HP Motor with starter, V-belt, drive, mounting wires	
4	Fraass Breaking Assembly With A	ccessories As Per IS 9381	
	Specification	Requirement	
	Purpose	Determines breaking point of bitumen	
	Included Accessories	Dry ice machine, CO <sub>2</sub> cylinder, mould press, thermometer –38°C to +30°C	
	Apparatus Details:	3 nos disposable plaque metal plate, 2 nos test tube, 1 no glass cylinder with base, 3 nos silicon rubber cork 1 no bending apparatus 1 no Funnel for introducing the dry ice 1 thermometer (IP-42C) (-38°C to + 30°C), subdivisions 0.5°C	
5	Storage Sticking Tester - As Per IS		
	Four test pieces must be kept one above other in the chamber and are subjected to a constant pressure of (0'7 kg/cm2) for 18 hours. The, temperature of the chamber can be maintained at $55 \pm 2^{\circ}$ C throughout the period. The Pressure applied is indicated on a digital gauge.		
6	Rubber Content of Crumb Rubber Modified Bitumen- Soxhlet Method  Test set up as per ASTM D6814, AASHTO M-320, AUSTROADS TEST  METHOD AGPT/T142  The set up must consist of following:		



	1. Soxhlet extraction apparatus (including extractor, round bottom flask, and water-cooled condenser) which has an extractor with a nominal minimum siphoning volume of 100 mL, a round bottom flask with a nominal minimum volume of 500 mL and a water-cooled condenser with a nominal minimum length of 200 mm  2. Cellulose extraction thimble of suitable size to fit into the extractor of the Soxhlet extraction apparatus. An extraction thimble with a diameter of 33 mm, height of 100 mm and thickness of 1 mm (Pack of 25)  3. Heating mantle with thermostat control which is of suitable size to accommodate	
	the round bottom flask.  4. Vacuum grease or silicone grease.  5. Beaker – with a capacity which is greater than the volume of the round bottom flask which has an internal diameter which is suitable for inserting the sieve into the top of the beaker.	
	6. Tweezers – to remove any boiling chips from the sieve. 7. 10cm dia Brass sieve : 75 micron 8. 10cm dia Brass frame - Lid-Pan	
7	TI: E'I O A D 10 0202	
	Thin Film Oven - As Per IS 9382  The unit must be heavily insulated & has a double glass built in door for view inside temperature is controlled at 163°C ± 1°C. by means of a calibrated PID based DIGITAL TEMP. INDICATORCONTROLLER. Inside Suspended a 340 mm dia rotating platform having provision to keep 4Nos. sample containers of 140 mm ID X 10 mm Internal depth, rotated by external motor from 5to 6 R.P.M. (supplied with cups). Inner chamber made of stainless steel sheet of 304 grade &outer of mild steel sheet - powder coated. To work on 230 volts, AC 50 Hz supply.  Rotating shelf must be supplied for Loss on heating test,as per IS:1212 having approx.250 mm dia with provision to keep Nine aluminium cups of 55 mm ID X 35 mm depth  •Overall Dimensions:635 X 720 X 950(L X W X D) mm  •Weight (Approx.):86 kg	
8	Hardness Tester For Bitumen Mastic Asphalt - IS 1195-2002:  Hardness tester for Mastic Asphalt as per the essential requirements of IS 1195 - 2002 in finding out the Hardness Number of mastic asphalt.  Mus be Supplied with Digital waterbath, a Glass Thermometer and a Digital stop watch. As per IS 11195-2002 (R.A.2017) BS 6925-1988.  •Overall Dimensions: 860 X 365 X 625 (L X W X H) MM  •Weight (Approx): 80 kg	
9	Density Basket As Per ASTM D6390 - Drain Down Test (Two Quantities) Standard basket meeting the dimensions as per ASTM D6390 / as per IRC SP 79 2008. Dimension is mentioned in above mention code "annex-C" Page no. 16. The basket must be constructed using standard 6.3 mm sieve cloth. Standard basket meeting the dimensions shown guidelines. The basket must be constructed using standard 6.3 mm sieve cloth as specified in Specification E 11. $108 \pm 10.8$ mm dia X $165 \pm 16.5$ mm height. Basket bottom must be of $25$ mm $\pm 2.5$ mm height.	



10	Elastic Recovery Mould With Base Plate (Two Quantities)	
	Introduction: IRC-SP-53-2002 and IS 15462-2004	
	Construction Details:	
	Made of brass /Gunmetal material	
	The shape, dimensions and tolerances as per IRC-SP-53-2002 Standard	
	The dimensions of the mould will be such that, when it is properly assembled, it will	
	form a briquette specimen having the following dimensions.	
	Total Length: $75 \pm 0.5 \text{ mm}$	
11	Density Cup-Stainless Steel-83.2 Ml-ASTM D6937-Specific Gravity Of Bitumen	
11	Emulsion (Two Quantities)	
	Compliance Standards: ASTM D6937	
	Applications: To determine specific gravity or Bitumen Emulsion	
	<b>Details:</b> Pycnometers are used to determine the specific weight per unit volume of a	
	liquid at a given temperature. Must be made from Stainless steel material	
	Supplied with top cover (Lid)	
	Capacity: 83.2 ML	

T	10 10	
	and Conditions	
1.	All instruments supplied under this document must comply with the respective	
	ASTM / AASHTO / IS / IRC / EN standards as listed in the technical	
	specifications.	
2.	All instruments must be supplied complete with standard accessories and	
	recommended accessories, ensuring the equipment is ready for testing without	
	the need for further procurement.	
3.	The supplier must provide bi-annual preventive maintenance visits and carry out	
	yearly NABL calibration or calibration with NABL traceability for each	
	instrument during the warranty period.	
4.	Delivery, installation, and commissioning must be completed within 6–8 weeks	
	of receipt of a confirmed purchase order.	
5.	The supplier must provide a free demonstration and training at the installation	
	site.	
6.	All quotations must include packing, freight, and insurance charges.	
7.		
	mentioned equipment's to any reputed government/private organizations in the	
	last 5 years. Copies of PO should be attached with the technical bid.	
8.	,,,,,,	
	technical evaluation.	
9.	Warranty: 5 years.	
10.	. The participant should be a registered OEM or must have a valid authorization	
	from a particular OEM.	
11.	. The participant should have a valid ISO certificate – ISO 9001:2015, ISO	
	37001:2016, ISO 45001:2018 & GMP-IMC-2022 EI 3007 7089	



12. Min. 10 years spare support on cost basis b	y Participant after warranty period.	
13. Participant must supply instruments with N applicable.	ABL calibration certificates wherever	
14. Participant should have own NABL cal authorized facility/joint venture with NABI	-	
n addition to above specification the vendor han necessary technical documents in respect to the		manuals and
/We M/sall the above specifications.	hereby declare and certify that	we comply with
	Authorized Signa	atory with Seal



Annexure I

## **DECLARATION OF COMPREHENSIVE WARRANTY AND MAINTENANCE VISITS**

I/We M/s	hereby declare that items to be supplied against
this participant shall be covered as comprehensive	warranty as given in the specifications document
with scheduled maintenance visit on call basis/regu	llar basis/quarterly basis. This warranty shall cover
defects in materials, workmanship, and performa	nce for a period of (as mentioned in
specification Section III) from the date of acceptance	ce/installation.
Date:	(Authorised signature & seal of the participant)



Annexure-II

## **UNDERTAKING REGARDING BLACKLISTING / NON-DEBARMENT**

We hereby confirm and declare that we, M/sdebarment from Ministry of Finance and/or Ministry submission.	•
Any change in the above status during the evaluation Dharwad immediately.	of the present quote shall be intimated to IIT
Date: (Au	thorised signature & seal of the participant)



## (Annexure-III)

## Price Quotation (To Be Submitted in a Separate, Password-Protected File)

SI. No	Description of Item & Specification	Qty	HSN Code / SAC Code	Total QUOTATION
1.	Supply Installation and Commissioning of Transportation Engineering Equipment	01 Set		
2.	Discount offered (if any), on base price quoted			
3.	Sub-Total			
4.	IGST / CGST / SGST@ applicable Rates			
5.	GRAND TOTAL QUOTATION PRICE			

Authorised Signatory and seal