

Tender Document for Purchase of Engineering Instruments and Gymnastic items

Within jurisdiction, Navsari Agricultural University, Dediapada

NAU/CAET/03/2017-18



**Principal
College of Agricultural Engineering & Technology
NAU, Dediapada – 393040
Mobile No. 99135 99332**

Notice Inviting Tender

NAU/CAET/03/2017-18

Tender Document for Purchase of Engineering Instruments and Gymnastic items

Principal, College of Agricultural Engineering and Technology, NAU, Dediapada invites tender for the Purchase of **Engineering Instruments/Gymnastic Items** bids from manufacturer/supplier/company. The list of items to be purchased under this tender is given underneath. The detail terms and conditions and tender document are available on website www.nau.in under tender section.

1	Period for Tender document downloading and submitting	13/01/2018 to 29/01/2018 upto 17:00 Hrs.	
2	Last date for submission of tender fee, EMD and other documents by RPAD / Courier / Speed post etc.	29/01/2018 upto 17:00 Hrs.	
3	Bid validity period	31/03/2018	
4	Tender Fees (<i>Non refundable</i>)	Tender 1	₹ 1500/-
		Tender 2	₹ 1000/-
		Tender 3	₹ 1000/-
5	Earnest Money Deposit (EMD) (<i>Refundable</i>)	As per given details	
6	Security deposit (Successful bidder) (<i>Refundable</i>)	5% of order price	
	Tender submission / Communication address	Principal College of Agricultural Engineering and Technology NAU, ParsiTekra, Dediapada-393 040, Dist. Narmada, Gujarat	

Further details can be obtained from above office during working hours. Details are also available on website www.nau.in

Place: Dediapada

Date: 12/01/2018

Principal
College of Agril. Engg. & Tech.,
NAU, Dediapada – 393 040

Tender Fee, Earnest Money Deposit (EMD) and Security Deposit

The bidder shall furnish Tender Fee amounting to Rs. 500/1000/1500 (Non refundable) and an Earnest Money Deposit (EMD) (Refundable) respective amounting, without which tenders will not be considered. There should be two separate draft for the Tender fee Rs. 500/1000/1500 (Non refundable) and EMD. The amount should be deposited in the form of only Bank Draft (drawn) in favor of "**Principal, CAET AND PAE, Dediapada**" **drawable at SBI (IFSC Code: SBIN0007787) Dediapada.**

Sr. No.	Name of the Item	EMD Amount ₹	Tender Fee ₹
<u>TENDER -1</u>	Ergonomic Assessment tool box	7500/-	1500/-
<u>TENDER -2 (1)</u>	Triangle And Parallelogram Law of Forces Apparatus	1800/-	1000/-
	Inclined Plane Apparatus	1650/-	
	Universal Force Table	1200/-	
<u>TENDER -2 (2)</u>	a Gravity Dam model	1	500/-
	b Gibbs Module model	2	
	c Saddle siphon Spillway model	1	
	d Spillway gate model	1	
	e Volute siphon spillway model	1	
	f Tank sluice with plug and system	1	
	g Canal intake model	1	
	h Sluice gate model	1	
	i Siphon aqueduct model	1	
<u>TENDER -3</u>	Gymnastic Items	4500/-	1000/-

Refund of Tender Fee: The Tender Fee is non Refundable.

Refund of EMD: The Bank Draft (drawn) or banker's cheque of earnest money of unsuccessful Bidder shall be refunded soon after finalization of purchase procedure. The EMD of the successful bidder will be retained till the bid remain valid and will be returned as per the terms of the university on request and submission of original receipt.

Forfeiture of EMD: The earnest money will be forfeited in the following cases:

- When Bidder withdraws or modifies the offer after opening of tender but before acceptance of tender.
- When Bidder does not execute the agreement if any, prescribed within the specified time.
- Bidder does not accept the hiring order.
- If the terms and condition not fulfilled anytime.

Security Deposit: Successful bidders have to deposit 5% of ordered price as security deposit which is refundable as per NAU rules.

Terms and Conditions of the Tender

1. Duly filled Tender in sealed envelope should reach the Principal, College of Agricultural Engineering and Technology, NAU., Dediapada, Dist. Narmada by post/courier/register Ad., etc. before **29/01/2018** up to 5:00 p.m. along with tender fee Rs. 500/1000/1500 (not refundable) in Demand Draft/Cash in favour of "**Principal, CAET AND PAE, Dediapada**" payable at **Dediapada**.
2. Please write on top of envelope "**Tender NAU/CAET/03/2017-18: Engineering Instruments/Gymnastic items**" and mention clearly sender's name and address.
4. Tenders shall be opened as in office working date and time.
5. However, if committee deems proper, the negotiation for the final price will be done with the tenderers. First chance will be given to the lowest price in the chronological order.
6. No correspondence shall be entertained after submission of Quotations.
7. Delivery should be made within time limit after receiving supply order at **College of Agricultural Engineering and Technology, Parsi Tekra, Dediapada 393 040, Di. Narmada**.
8. **No advance payment will be made.**
9. No penalty or penal interest will be paid due to delay in payment on account of unforeseeable reasons.
10. Payment will be made only after satisfactory supply and installation/Demonstration.
11. Discount if any offered, may please be specified.
12. Authorized dealer should enclose authorization certificate (Attested photocopy) of manufacturing company.
13. **Attach the separate sheet mentioning detail specification along with literature/brochures/photos.**
14. Provide **the list of your valued customers of the said items in State Agricultural University, ICAR Centers, Other Government and Semi Government Bodies. NGOs etc in India.**
15. In case of dispute, decision of the Registrar, Navsari Agricultural University, Navsari will be final and acceptable to all the parties.

2. Delivery:

The application for extension of delivery period shall be sent to concern ordering office of Navsari Agricultural University at least 5 days prior to the expiry of delivery period of each items. The officer in charge, who is placing the order may grant extension or reject the application and their decision in the matter shall be final and binding to all.

3. Warranty:

- 4.1 **Period of Warranty:** The bidder must provide comprehensive onsite warranty for **minimum 1 years or as asked in specifications**, from the date of installation for all items. Please clearly mention the parts, which are not covered under warranty, separately.
- 4.2 If any instrument(s), properly not working and repetitively fault is found, say twice a week during the warranty period, the bidder shall replace the item with new item without any additional cost to the purchaser.

4. Demonstration:

Supplier has to perform on-site live demonstration as per trial requirements.

5. Dispute:

In case of any dispute, final decision of the Registrar, Navsari Agricultural University, Navsari – 396 450 will be binding upon all. In case of any dispute arises in respect of this tender, a suit in that behalf shall be subject to Navsari Jurisdiction.

Date:

Stamp & Signature of Bidder

List of Item with Specifications

TENDER -1

Ergonomic assessment tool box

S. No	Name of the Item	Specifications	Qty.
1.	Ergonomic assessment tool box	<p>VARIOUS ASSESSMENT TOOLS</p> <p>Force Measurement: Scale - Stainless steel digital weigh boxes (100 kg) and parts for NIOSH equation. Force gauge - force gauges test push/pull forces Hand dynamometer - Baseline (100 kg) measures pistol grip forces (psycho-physical testing) Pinch dynamometer - Baseline (50 kg) measures pinch grip forces (psycho-physical testing) Force gauge pull strap & carabineers for pull testing</p> <p>Anthropometric Measurement 8" Goniometer measures body angles, tape measure, flexible tape measure, ruler</p> <p>Environmental Measurement Light meter - measures ambient light levels Sound meter - 2 sound level meter with backlit LCD display, 1.5 dB accuracy meter; measures noise levels Thermo-hygrometer - measures humidity and temperature, laser or optical tape measure quickly gauges distances up to 100 feet.</p> <p>Camera Power shot SD 1300 IS 12 Megapixel digital camera with 4X optical zoom - provides clear photos for explanations in reports and is capable of shooting video at a 640 × 480 resolution in AVI format at 30 frames per second, playable directly from the camera's LCD screen and built-in speaker.</p> <p>Tablet/Laptop- for use with our pocket ergo</p> <p>Additional Equipment Equipment case - Hard case keeps all assessment tools organized in one place. Digital Stopwatch –records time activities for frequency and duration Frequency counter, Statistical calculator, All-purpose universal tool/pliers, compass</p>	01

TENDER -2 (1)

Engineering Instruments

S. No	Name of the Item	Specifications	Qty.
1.	Triangle And Parallelogram Law of Forces Apparatus	This apparatus consists of a wooden board made of wood and within a wooden slotted frame of overall size 75 x 70 c.m., 4 frictions less pulleys are adjustable in slots of frame and frame is provided with suitable arrangement of fixing it to a wall. The unit is complete with four hangers and 16 iron nicklled slotted weights of 50 gm each	05
	Inclined Plane Apparatus	Consists of a 20 x 75 wooden board with glass top hinged on iron base to which a sector with graduated arc and vertical scale is provided. The plane may be clamped at any angle up to 45 degrees. A 5 cm dia. friction less pulley is attached to the end by means of a clamp adjustable to any necessary position complete with brass roller, pan and card, but without weights	05
	Universal Force Table	For Experimentally verifying the laws of triangle, parallelogram and Polygon law of forces, comprising of a circular 40 c.m. dia. Aluminum disc, graduated in 360 ⁰ complete with leveling screws, a clamping device to fix the tableat any desired angle, five sliding pulleys, central ring, string and five sets of iron nickeled slotted weights	01

TENDER -2 (2)

Engineering Instruments (Models)

1.	Gravity Dam model	1
2.	Gibbs Module model	2
3.	Saddle siphon Spillway model	1
4.	Spillway gate model	1
5.	Volute siphon spillway model	1
6.	Tank sluice with plug and system	1
7.	Canal intake model	1
8.	Sluice gate model	1
9.	Siphon aqueduct model	1

TENDER -3

Gymnastic Items

S. No.	Name of the Item	Specifications	Qty.
	Treadmill	<ul style="list-style-type: none">• Running Surface (L x W) - 1260 x 420mm /50 X 16.5 inches• LCD Display - Speed, Time, Distance, Calories burned, Heart rate and Fat + BMI measurement• 2.0 HP Continuous DC Motor• 0% to 15% Auto Incline control FAST KEY provided on hand rail• Maximum user weight capacity of 115 kg• 1.0 to 14 km/h with Speed control FAST KEY provided on hand rail• Wheel for transportation, Auto LUBRICATION and iPad holder• Six-Level shock absorption plus 2 large Power Flex spring <u>Optional:</u> AUX and USB input for Music, Hi-Fi Speakers, Wheel for transportation, Auto LUBRICATION and iPad holder	02
	Exercise Bicycle	<ul style="list-style-type: none">• Magnetic Upright Bike with 4 kg flyweight for a Smooth Cycling• Display : Time, Distance, Speed, Pulse, Calorie, Total Distance Travelled, Scan, Hand Pulse Sensor• Max Weight Capacity : 100 kgs ; 8 level Tension controller• Non Skid Foot Pedals with Adjustable Foot straps	01
	4 Station Gym	<ul style="list-style-type: none">• 100/50 CR pipe• Weight plate movement pipe: SS tube• Cables: Lubricated steel cables with nylon coated• Powder coating : paracoated• Weight plates: Casting plates (7.5 kgs)per plate	01