



कृषि अभियांत्रिकी संभाग  
Division of Agricultural Engineering  
भाकृअनुप-भारतीय कृषि अनुसंधान संस्थान  
ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE  
नई दिल्ली - 110012 PUSA, NEW DELHI-110012



मिसिल संख्या File No.2020-21/AE/28-04/

दिनांक Dated: 15-09-2020

### निविदा-सूचना

निदेशक भा. कृ. अनु. प.-भारतीय कृषि अनुसंधान संस्थान नई दिल्ली द्वारा निम्नलिखित वैज्ञानिक उपकरण / वस्तु की आपूर्ति एवं कार्य हेतु प्रतिष्ठित निर्माताओं/ अधिकृत डीलरों / आपूर्तिकर्ताओं से दो बोली प्रणाली/ (तकनीकी एवं वित्त बोली) के अन्तर्गत सील बंद आनलाईन क्यूटेपन **Tractor fuel system for Lab experiment** के लिये आमंत्रित की जाती है। Online Quotations are invited from reputed Manufacture/Dealer/Supplier in **Two Bid** system (Technical bid & Financial bid) for **Tractor fuel system for Lab experiment** of following Scientific Equipment/Items on behalf of Director ICAR-Indian Agricultural Research Institute, New Delhi.

**Tractor fuel system for Lab experiment** is a type of **Engine test ring setup**. It could measure the fuel consumption at different engine loading condition in the laboratory. **Tractor fuel system for Lab experiment** is a type of **Engine test ring setup**. It could measure the fuel consumption at different engine loading condition in the laboratory and other measurement parameter.

### Schedule of tender

Name Of Organisation	Indian Agricultural Research Institute
Tender Type (Open/Limited/EOI/Auction/Single/Global)	Open
Tender Category (Services/Goods/works)	Goods
Type/Form of Contract (Work/Supply/ Auction/ Service/ Buy/ Empanelment/ Sell)	Buy
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Othes
Source of Fund (Institute/Project)	Project Code: 28-04
Is Multi Currency Allowed	No
Date of Issue/Publishing	15/09/2020/(15:00 Hrs)
Document Download/Sale Start Date	15/09/2020/(15:00 Hrs)
Document Download/Sale End Date	06/10/2020/(15:00 Hrs)
Last Date and Time for Uploading of Bids	06/10/2020/(15:00 Hrs)
Date and Time of Opening of Technical Bids	07/10/2020/(15:00 Hrs)
EMD	<b>Rs. 5000/- (five thousand only)</b>
Bid Validity days (180/120/90/60/30)	180 Days (From last date of opening of tender)
Address for Communication	Division of Agrictural Engineering ICAR-IARI New Delhi

	Pusa Campus, New Delhi-110012, Delhi, India
Contact No.	011-25842294
Email Address	rajeeviitkgp11@gmail.com, dd3.iari@iari.res.in

विस्तृत नियम व शर्तों को भा. कृ.अनु.सं. की वेबसाइट [www.iari.res.in](http://www.iari.res.in) पर देखें एवं आनलाईन के लिए [www.eprocure.gov.in](http://www.eprocure.gov.in) देखा जा सकता है। Please visit [www.iari.res.in](http://www.iari.res.in) for Details Rules and Regulation and Log on [www.eprcure.gov.in](http://www.eprcure.gov.in) for online.

**बोली लगाने के निर्देश और नियम एवं निविदा की शर्तें Instruction to the bidder and terms & conditions of tender:**

1. क्यूटेसन में दर्शायी गई दरों में भा. कृ.अनु.सं.नई दिल्ली के संभागकृषि अभियांत्रिकी संभाग/, भारतीय कृषि अनुसंधान संस्थान, नई दिल्ली-110012 में सामान सामग्री की निःशुल्क आपूर्ति अथ/वा स्थापन सामिल होगा। हालांकि विदेशी मुद्रा में दर्शाए गए उपकरण को एफ ओ बी आधार पर दर्शाया जाए। **The rates quoted shall be free of cost delivery and installation** at the Division of Agricultural Engineering, IARI, New Delhi-110012. However, equipment quoted in foreign currency must be quoted on FOB.
2. Our Institute is exempted from Custom Duty. Hence Custom Duty Exemption Certificate (CDEC) will be provided to the firm, if demanded.
3. उपरोक्त दिए गए दर में यदि किसी भी प्रकार का अतिरिक्त कर /टैक्स/ड्यूटी लगाया जाना है तो उसका संकेत स्पष्ट रूप से दिया जाना चाहिए। If taxes duties or any other charges over and above the rates quoted leviable, actual percentage of such taxes/duties/other charges should be clearly indicated.
4. बोली के साथ बतौर बयाना का राशि डिमांड माँग ड्राफ्ट/ भुगतान आदेश /मियादी जमा रसीद/बैंक गारंटी को निदेशक, भा.कृ.अ.स.नईदिल्ली110012 के नाम किसी भी राष्ट्रीयकृत बैंक में देय हो, अवश्य संलग्न होना चाहिए। जिसके बिना, क्यूटेसन पर विचार नहीं किया जायेगा। बयाना राशि की मूल प्रति सीधे तौर पर संबंधित निविदा आंमत्रित अधिकारी को आखिरी तारीख तक या ऑफलाईन दर जमा करने से पहले पहुँच जानी चाहिए। डिमांड माँग ड्राफ्ट/ भुगतान आदेश/ मियादी जमा रसीद/ बैंक गारंटी से संबंधित सभी जानकारी व्यक्तिगत रूप से भेजी जानी चाहिए, इस संबंध में प्राप्त स्कैन कॉपी/ या जो डाटा आपूर्ति कता द्वारा दर जमा करने के दौरान दिया गया है उससे मिलान किया जाएगा अन्यथा इस क्यूटेसन का रद्द माना जाएगा। EMD should be in the form of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favour of Director, IARI, payable at New Delhi. The original EMD should be submitted to the Tender Inviting Authority on or before the last date and time of online bid submission. The details of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee physically sent, should tally with the details available in the scan copy and the data entered during the bid submission time otherwise the uploaded bid will be rejected.
5. इस संस्थान द्वारा निविदाकर्ता को किसी भी सुरक्षा जामा राशि और बयाना राशि पर ब्याज नहीं दिया जाएगा। No interest on security deposit and earnest money deposit shall be paid by the Institute to tenderer.
6. क्यूटेसन प्रक्रिया पूरी होने के पश्चात असफल बोलीदाताओं को उनकी जमा की गयी बयाने की राशि वापस कर दी, जायेगी जबकि सफलतम बोलीदाता के मामले में यह राशि नियम के अनुसार सुरक्षा जमा के रूप में समायोजित की जा सकती है, जो कि आडर के राशि की 5-10 % होगी और यह डिमांड माँग ड्राफ्ट / भुगतान आदेश / मियादी जमा रसीद / बैंक गारंटी निदेशक, भा. कृ. अ. स.नई दिल्ली 110012 के नाम किसी भी राष्ट्रीय बैंक में देय

हो, जिसकी वैधता सभी कार्य को पूरा करने के दिनों 60, साथ के साथ उपकरण / सामान/ जिसकी कीमत रु. 1.00 लाख या इससे अधिक की गारंटी होगी। हालांकि जो उपकरण रु एक लाख से कम है उस परिस्थिति में किसी भी प्रकार का निष्पादन जमा राशि नहीं दी जाएगी। The EMD shall be refunded to the unsuccessful bidders after finalization of the quotation. In case of successful bidder, it can be adjusted towards security deposit which is 5-10% of the order value in the form of D.D/Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favour of Director, IARI, payable at New Delhi and shall remain valid for 60 days beyond the date of completion of all contractual obligation of supplier including warranty obligation for the equipment/goods costing Rs. 1.00 lakhs (Rs. One Lakh) or more. Here would however, be no performance security deposit for equipment/goods costing less than Rs. 1.00 lakh (One lakh).

7. फर्म द्वारा एक वर्ष की वारंटी प्रदान की जाएगी। यदि सामान/ उपकरण के विवरण में वारंटी की अवधि में किसी भी प्रकार परिवर्तन है तो उस वारंटी को अंतिम माना जायेगा। **One year warranty** has to be invariable provided by the firm. In case, there is any variation in the warranty period given in the specification of the item/equipment, the warranty period shall be the final as given in the specification.
8. कार्य के पूरा होने के बाद फर्म / पूर्तिकता को तीन पूर्व रसीद बिल प्राप्त होने के बाद भुगतान e-payment के माध्यम से किया जाएगा। Payment will be made by mode of e-payment to the supplier/firm after satisfactory completion of work and receipt of pre-receipt bill triplicate.
9. निदेशक भारतीय कृषि अनुसंधान संस्थान नई दिल्ली 110012 के पास बिना कारण बताये सभी क्यूटेपनओं को पूर्ण या आंशिक रूप से स्वीकार या अस्वीकार करने के अधिकार प्राप्त हैं। The Director IARI, New Delhi reserves the right to accept or reject any or all the quotations either in full or in parts without assigning any reason.
10. उपरोक्त शर्तों का पालन न करने वाली क्यूटेपनों को अस्वीकार करने के लिये उत्तरदायी होंगी। Quotations not complying with the above conditions are liable to be rejected.
11. TIN/VAT/PAN/C.S.T./GST Nos. के स्कैन कापी को क्यूटेपन के साथ में संलग्न किया जाए। Scanned copy of TIN/VAT/PAN/C.S.T./GST Nos may be attached with the bid.
12. किसी कारण अनुबंध में कोई विवाद उत्पन्न होने पर भारतीय कानून और न्यायालय नई दिल्ली की अधिकारिता के अधीन होगा। सचिव भारतीय कृषि अनुसंधान परिषद द्वारा एकमात्र मध्यस्थ नियुक्त किया गया है जिसका निर्णय दोनों पार्टियों (Supplier and Purchaser) पर अंतिम माना जाएगा। In case, any dispute arising out of this contract shall be subject to the jurisdiction of Indian laws & Court at New Delhi. Sole arbitrator is appointed by the Secretary, ICAR, New Delhi. His decision will be final and binding on both parties (Supplier and Purchaser).
13. सफल बोलीदाता को सौंपे गए कार्य को निर्धारित आपूर्ति आदेश के भीतर कार्य करना होगा जैसा आपूर्ति आदेश में दर्शाया गया होगा यदि ऐसा नहीं किया जाता तो कम से कम **2 %** तथा अधिकतम **10 %** की क्षति नष्ट कटौती के रूप में उनके बिल से काटी जाएगी। The successful bidder has to execute the indented Job/Work as mentioned in the supply order place with them within the stipulated period as given in the supply order placed by this office failing with 2% per week and maximum of 10% deduction as liquidated damage charges will be made from the bill in case the job is not completed within the given stipulated period
14. फर्म को इस कार्य/क्षेत्र में 1 वर्ष के अनुभव का प्रमाण पत्र के लिये आपूर्ति आदेश संलग्न करना है। Firms should **one years experience** in this line, proof in form of work orders during last one years should be enclosed.
15. Full specification of the article quoted for sale be given in the quotation. Also provide the literature/pamphlet/drawing etc (if possible). User list of the quoted document may also be additionally provided for reference.

16. In Case, LC is open for purchase of Foreign equipment all charges outside India will be borne by the firm.
17. As per CVC's guidelines No.12-2-6CTE-SPJ(1)-2/161730 (circular No.3/1/12) dated 13/1/2012, in a tender either the Indian Agent on behalf of the Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. Further, if an agent submits bid on behalf of the Principal/OEM the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
18. The equipment is to purchase for Research purpose and therefore shall be purchased at **concessional GST Rate of 5%**. The required certificate shall be issued to the successful bidder for availing concessional GST Rate.
19. **Taxes/duties should be quoted as per annexure I**
20. **Rates should be quoted as per BOQ 1 on-line.**
21. **Document to be uploaded should be signed by company/firm seal in all pages by the firm**

The following documents must be uploaded with the technical bid failing which tender will not be accepted at all.

1. GST Number
2. Pan Card
3. Earnest Money Deposit (EMD) Rs. **5000/-** (Rs. **five thousand** only)
4. Compliance Report in accordance with the tender technical specification.
5. Detail Technical specification of equipment/item
6. The tender documents duly signed by the concerned firm accepting the same should be attached with technical bid.
7. Certificate declaring that the firm has not been debarred/Black listed by the Govt. Deptt./Court of law for doing any business in India.

**Required Specification of Tractor fuel system for Lab experiment has been given in compliance report**

सहायक प्रशासनिक अधिकारी  
Asstt. Admn. Officer

## Compliance Report

**Tractor fuel system for Lab experiment** is a type of **Engine test ring setup**. It could measure the fuel consumption at different engine loading condition in the laboratory. This system consists of following components and its measuring capabilities.

M/s.....agree to supply the items

Minimum Specification	Write Yes/No
Single cylinder /4 Stroke / Vertical 1500 rpm speed diesel engine, 5 HP, Manual crank start and its displacement 500 CC	
Eddy Current Dynamometer with loading unit	
Air drum with orifice for measuring actual air drawn in engine	
Glass manometer	
Graduated burette with control valve for fuel measurement	
Non-contact PNP/NPN sensor with digital indicator for Engine speed measurement	
Digital voltmeter	
Rota-meter for water flow measurement	
Temperature sensors for exhaust outlet, water inlet and outlet and ambient temperature measurement	
The gas calorimeter for measuring the heat balance data	
Instruction manual in English	
Engine tool kit	
Control panel with burette with diesel cock, speed indicator with proximity sensor, digital load indicator and Digital temperature indicator with selector switch for various temperature of the test rig mounted in standard frame	
Test ring mounted in iron frame	
Experiments Capabilities To Calculate	Write Yes/No
Actual volume of Air in Kg/hr	
Swept volume in Kg/hr	
Volumetric Efficiency in %	
Specific fuel consumption (SFC) in kw/hr	
Brake power in kw	
Brake thermal efficiency in %	
Indicated power in kw using William line method	
Frictional power in kw	
Mechanical efficiency in %	
Indicated thermal efficiency in %	
Air Fuel ratio	
Actual volume of Air in Kg/hr	
Swept volume in Kg/hr	
Volumetric Efficiency in %	
Specific fuel consumption (SFC) in kw/hr	
Brake power in kw	
Brake thermal efficiency in %	
Indicated power in kw using William line method	

**Signature with Seal**

<b>Other Condition</b>			
<b>SN</b>	<b>Particular</b>	<b>Write Yes/No</b>	<b>Write Number/Amount/(copy enclosed Yes/No)</b>
1.	Are you registered with TIN/PAN and VAT/CST/GST		PAN No.: GST No.:
2.	Have you deposited EMD/- original EMD is to be submitted to the Asstt. Admn. Officer, Division of Agricultural Chemicals before closing date of tender		Amount..... DDNo/FDR/BG No..... Name of Bank
3.	Have you enclosed latest authorization certificate resting with sufficient validity period from manufacturer/Principal foreign firm (if any applicable)		Enclose copy
4.	Have you ever been debarred/Black listed by the Govt. Deptt./Court of law for doing any business in India attach self-declaration certificate in the regard		Enclose copy
5.	Have you enclosed the tender documents duly signed accepting the same with technical bid.		Enclose Copy
6.	Have you enclosed <b>one years</b> experience in this line, proof in form of work orders or any other ?		Enclose Copy

**Signature with Seal**

**Annexure I**

**(To be furnished on company letter head)**

Name of the Firm-----

Registered/Postal Address-----

**Taxes on Basic rate quoted in BoQ excel sheet (financial Excel sheet)**

<b>Tax/Custom Duty/Excise Duty etc</b>	<b>Taxes in Percentage (%) of Basic Rate quoted in BoQ excel sheet online</b>
GST (Goods and Services Tax) in percentage (%) of Basic rate quoted in BoQ (financial Excel sheet)	
Custom Duty in percentage (%) of Basic rate quoted in BoQ (financial Excel sheet)	

1.	Permanent Account Number (PAN)	
2.	GST, Registration No., if applicable	
3.	Bank Details	
4.	Bank Name	
5.	Branch Address	
6.	Account Number	
7.	Type of account (current/saving)	
8.	MICR No.	
9.	RTGS/NEFT code	

Date:

Place:

Stamp & Signature  
Name of the Authorized Signatory

(To be furnished on company letter head)

**Declaration**

**This is to confirm that our firm .....**

.....

**... has never been blacklisted/debarred by any state Govt./Central Govt./ Department of  
Public undertaking enterprises.**

Date:

Place:

Stamp & Signature  
Name of the Authorized Signatory