



DIVISION OF AGRICULTURAL ENGINEERING
ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE
NEW DELHI-110012



File No. AE/2022-23/RFS (18-13)/

Dated: 04/10/2022

RATE CONTRACT TENDER NOTICE

Online bids are invited from reputed Manufacture/Dealer/Supplier in **Two Bid system** (Technical bid & Financial bid) for **Rate contract for Fabrication and installation of Agricultural machines** designed and developed by Division of Agricultural Engineering, ICAR-IARI, New Delhi -110012 (mentioned in **Schedule** of this tender) on behalf of Director ICAR-Indian Agricultural Research Institute, New Delhi.

Time table 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)	RFS (18-13)
Is Multi Currency Allowed	No
Date of Issue/Publishing	04-10-2022/(15:00 Hrs)
Document Download/Sale Start Date	04-10-2022/(15:00 Hrs)
Bid Submission Start Date	04-10-2022/(18:00 Hrs)
Bid Submission Closing	25/10/2022/(15:00 Hrs)
Date and Time of Opening of Technical Bids	26/10/2022/(15:00 Hrs)
Bid Validity days (180/120/90/60/30)	180 Days (From last date of opening of tender)
Address for Communication	Division of Agricultural Engineering ICAR-IARI New Delhi Pusa Campus, New Delhi-110012, Delhi, India
Contact No.	011-25842294
Email Address	ddo3.iari@iari.res.in/ rajeeviitkgp11@gmail.com

Instruction to the bidder and terms & conditions of the tender:

1. The rates quoted for fabrication of Agricultural machines shall be valid for a minimum period of **one year** from the date of approval of the rate contract by the competent authority.
2. The rates quoted by the manufacturar shall be free of cost delivery (FOR) and also unloading at the Division of Agricultural Engineering, ICAR-IARI, New Delhi – 110 012. Packing and any damage during the transporation will be borne by manufacturar/supplier.
3. It is mandatory that Installation and demonstration is to be done by the manufacturer/supplier at the installation site anywhere in the country.

4. E-payment will be made to the manufacturer/supplier/firm after satisfactory completion of work e.g. successful of installation and demonstration of machine at installation site.
5. 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 in the separate letter and attach with technical bid. Terms and conditions of company may be attached with separate letter and attach with technical bid.
6. EMD should be in the form of Demand Draft/Pay Order/Fixed Deposit Receipt/Bank Guaranty from the Commercial Bank in favour of the **Director, IARI** on any Nationalized Bank, without which the tender will not be entertained. The EMD shall be refunded to the unsuccessful bidder after finalization of the tender. In case of successful bidder, it can be adjusted towards security deposit as per rule.

7. The bid should be accompanied with earnest money at the following rates

Item No	Name of the Item/equipment	EMD (Rs.)
Schedule II	Animal Feed Block making machines with different capacities and their accessories	40,000/-
Schedule III	Power and manually operated Agricultural machines and implements	2500/-

8. Pre-bid meeting is held on **10th October 2022** on 11:00 AM (Display of prototypes available in the Division) at Division of Agricultural Engineering, ICAR-IARI New Delhi.
9. Warranty certificate for **ONE YEAR** from the date of installation will have to provide for replacement/repair/service of parts by the manufacturer/supplier.
10. **The lowest rate for each item would be offered to each of the eligible competent bidders with sufficient manufacturing infrastructure and upon acceptance thereof, the panel of such manufacturer / supplier would be drawn.** The Director, IARI, New Delhi reserves the right to place the order of fabrication of machines to any empanelled competent manufacturer and/or to the licensee manufacturer at the approved rate if the demand warrants so.
11. The quality of material used and work man-ship employed in fabrication of the machines will be monitored by the team of technical expert of IARI at manufacture's workshop.
12. Any parts/components are found defective / damaged after delivery at consignee location; the manufacturer/suppliers will have to replace or repair it under warranty period at consignee's location in India free of cost.
13. The manufacturer will also be to provide service after warranty period for satisfaction of the customers on payment basis.
14. After the warranty/ Guarantee term is over, the firm should mention the charges of AMC at least for **first three years**.
15. 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).
16. No interest on security deposit and earnest money deposit shall be paid by the Institute to bidder.
17. The Director IARI, New Delhi reserves to him/herself the right to accept or reject any or all the tenders either in full or in parts without assigning any reason.

18. All tender documents must be duly completed, sign and official seal for accepting all terms and conditions mentioned in this tender. Every page of the tender must be numbered, **signed and official seal** by the authorized signatory giving his/her name and designation below the signature.
19. Bid not complying with the above conditions are liable to be rejected.

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

1. **GST Registration Number**
2. **Scan copy Pan Card**
3. **Scanned copy of Earnest Money Deposit (EMD)**
4. **Compliance Report**
5. **Performance Statement of Last 3 Years**
6. **Details of infrastructure, facility of manufacturer/principal firm**
7. **Details of skilled workers**
8. **Literature/pamphlet about the firm**


Asstt. Admn. Officer

SCHEDULE OF TENDER

For and on behalf of the Secretary, ICAR, the Director, IARI invites online Rate contract tenders for the fabrication of following Agricultural machine as detailed in this schedule of tender documents.

	Description of prototype to be fabricated
Schedule II :Animal Feed Block making machines with different capacities and their accessories	1. Animal feed block formation machine (Stationery) (Capacity : 250 kg per hour)
	2. Hydraulic oil cooling system for 250 kg per hour animal feed block making machine
	3. Mobile Feed Block Formation Machine (Capacity: 100 to 125 kg per hour)
	4. Feed block making machine (Stationery) (Capacity : 100 to 125 kg per hour)
	5. Manual Feed block making machine (Capacity : 10 kg per hour)
	6. Feed and fodder mixer
	7. Feed and fodder crusher
	8. Urea Molasses Mineral Block making Machine (UMMB)
Schedule III : Power and manually operated Agricultural machines	9. Aqua-Ferti Seed Drill
	10. Power winnower
	11. Wheel hand hoe
	12. Manual Paddy thresher

Compliance Report

M/s.....
 agree to fabricate/supply the Agricultural machines with following specification.

S.N.	Specification of the Agricultural machines (in detail) to be fabricated	Write Yes/No
Schedule II :Animal Feed Block making machines with different capacities and their accessories		
1.	<p>Animal feed block formation machine (Capacity- 250 kg per hour) Details of the Feed Block Machines (Stationary unit) Capacity- 250 kg per hour, 80 blocks per hour, Block size-20 cm x 20 cm, Block weight 5-7 kg, Power 30-hp, Working pressure 6000 psi, Feed block density 400 kg/m³, Electric motor ABB/Bharat Bijli/NGEF, Radial plunger Pump 30 lpm double discharge-Standard Hydraulics make, Vane pump – 60 GPM Vickers make, Solenoid valves-Yuken, Cylinder seal kit- PU, Electric component – L&T make, Complete with hydraulic oil-4 barrels – N 68, Spray painting of machine, Tool kit (Pipe wrench, screw wrench and Allen Key set), oil reservoir capacity of power pack 800 litre and made of 6 mm thick MS plate with cooling system to maintain oil temperature at 50-60oC. Main Cylinder: 200 mm bore, 1600 mm stroke, 150 mm ram, Port size 32 mm, Extension 75 mm Door cylinder: 125 mm bore, 275 mm stroke, 53 mm ram, port size 20 mm, extension 100 mm Cylinders are of steel, fitted with ram of forged steel double acting. Cylinder assembly complete with gun metal bushes, PU seals, wiper seals and O rings, ram grounded to its full working length, Body of machine should be made of 40 mm thick MS plate with front and rear plates of 80 mm thickness with suitable reinforcement as per our prototype. Other specifications are as per prototype available in the Division of Agricultural Engineering, IARI, New Delhi-12 Installation is mandatory at the installation site (any place in the country) by the manufacturer. One-year performance warranty/guarantee is essential.</p>	
2.	<p>Hydraulic oil cooling system for 250 kg per hour animal feed block making machine Capacity of 2 ton for maintaining hydraulic oil temperature upto/below 50 °C in power containing 700 liter oil. Installation is mandatory at the installation site (any place in the country) by the manufacturer.</p>	
3.	<p>Mobile Feed Block Formation Machine (Capacity: 100 to 125 kg per hour) Capacity 100 to 125 kg per hour, at 100 kg/m³ feed density, Feed block size 15 x 15 cm, feed block density 400 kg/m³, Feed block weight 1.5 to 2 kg, Hand lever, (High-Tech / Standard hydraulic make) operating Working pressure 6000 psi Power Pack: Oil Tank (Circular/Rectangular), made out of 10 mm thick sheet, capacity 200 litre, 6.5 bhp air-cooled Diesel Engine (Kirloskar / Field Marshal) operated, Vane Pump 40 Lpm (Vicker/ Yuken make), Plunger Pump 5.6 Lpm at 400 kg /cm² (Standard Hydraulic / Vicker make), Suction filter, oil level indicator, air</p>	

	<p>breather, PCM, Pressure gauge, pressure relief valve Main Cylinder: 125 mm bore, 1000 mm stroke, 100 mm ram Door Cylinder: 65 mm bore, 60 mm stroke, 40 mm ram, PU seals Body of Machine: to be fabricated out of 40 mm thick plate Pipe line: High Pressure hose (600 psi) Machine Fitted on pneumatic wheel trolley 10'x 5' (300cm x 180cm), supported on leaf springs and with steering system. Other specifications are as per prototype available in the Division of Agricultural Engineering, IARI, New Delhi -12</p>	
4.	<p>Feed block making machine (Stationery) (Capacity : 100 -125 kg per hour) Capacity 100 to 125 kg per hour, at 100 kg/m³ feed density, Feed block size 15 x 15 cm, feed block density 400 kg/m³, Feed block weight 1.5 to 2 kg, Hand lever, (High-Tech / Standard hydraulic make) operating Working pressure 6000 psi Power Pack: Oil Tank (Circular/Rectangular), made out of 10 mm thick sheet, capacity 200 litre, 7.5 bhp air-cooled Diesel Engine (Kirloskar / Field Marshal) operated, Vane Pump 40 Lpm (Vicker/ Yuken make), Plunger Pump 5.6 Lpm at 400 kg /cm² (Standard Hydraulic / Vicker make), Suction filter, oil level indicator, air breather, PCM, Pressure gauge, pressure relief valve Main Cylinder: 125 mm bore, 1000 mm stroke, 100 mm ram Door Cylinder: 65 mm bore, 60 mm stroke, 40 mm ram, PU seals Body of Machine: to be fabricated out of 40 mm thick plate Pipe line: High Pressure hose (600 psi) Other specifications are as per prototype available in the Division of Agricultural Engineering, IARI, New Delhi -12 Installation is mandatory at the installation site (any place in the country) by the manufacturer. One-year performance warranty/guarantee is essential.</p>	
5.	<p>Manual Feed block making machine (Capacity : 10 kg per hour) As per the specification of prototype available in the Division of Agril. Engg</p>	
6.	<p>Feed and fodder mixer Powered by 3 hp electric motor, capacity 1000 kg/h, As per the specification of prototype available in the Division of Agril. Engg</p>	
7.	<p>Feed and fodder crusher Powered by 3 hp electric motor, capacity 1000 kg/h, As per the specification of prototype available in the Division of Agril. Engg</p>	
8.	<p>Urea Molasses Mineral Block making Machine (UMMB) Capacity 150 kg/h, powered by 1 hp electric motor, As per the specification of prototype available in the Division of Agril. Engg</p>	
Schedule III : Power and manually operated Agricultural machines and implements		
9.	<p>Aqua-Ferti Seed Drill Operated by 45 hp tractor having field capacity 0.4 ha/h, As per the specification of prototype available in the Division of Agril. Engg Manufacturer will have to provide assembled Machine.</p>	
10.	<p>Power winnower Powered by 1 hp Single-phase motor, capacity 300-600 kg/h, As per the specification of prototype available in the Division of Agril. Engg Manufacturer will have to provide assembled Machine.</p>	
11.	<p>Wheel hand hoe As per the specification of prototype available in the Division of Agril. Engg</p>	

	Manufacturer will have to provide assembled Machine.	
12.	Manual Paddy thresher As per the specification of prototype available in the Division of Agril. Engg Manufacturer will have to provide assembled Machine.	
<p>The following materials should be used for the above machines</p> <ol style="list-style-type: none"> 1. All nuts, bolts and fasteners should be cold forged BSW. 2. Self-aligned sealed Bearings within built block (Standard make). 3. Shaft material EN-8 4. Sheet metal work CRCA 18 gauge sheet. 5. V-Belts: ISI mark 6. Good quality v-pulley 7. All machines should have spray painting with primer coating, safety guards and permissible noise level <p>Other specification as per our prototype, which can be seen in Division of Agricultural Engineering on working days (9:00 am to 5:30 pm)</p>		

Pictures of the above machines can be seen in the given below link

https://iari.res.in/index.php?option=com_content&view=article&id=341&Itemid=553

Signature of bidder with office seal

Performance Statement of Last 3 Years

S.N	Name of the items	Name of the office by whom order was placed	Order No. & date(Please enclose copy of supply orders)	Value of supply order	Delivered in time or not	If not please specify the reason	Attach satisfactory working report from each office (Yes/No)

Signature of bidder with office seal

CERTIFICATE TO BE SIGNED BY THE BIDDER

It is certified that, I have read and understood and will comply all instructions contained in tender enquiry and its schedule. All pages of schedule of this Rate contract tender from pageto..... have been filled properly and signed.

Signature of bidder:- _____

Name in block letters:- _____

Name of firm: Full
address: _____

(i) Telephone No: _____

(ii) Mobile No: _____ (iii)

FaxNo: _____ (iv) E

mail id: _____ (v)

Website: _____

Signature of Tenderer with office seal

Checklist

Before submission of (ON-LINE) tender documents, Tenderers should check they have complied with the following requirements:-

SN	Requirements to be checked before submission of the tender	Compiled (Please indicate) <u>Yes</u> after complying with the requirement)
1.	Rate Contract Tender Notice, Signed with official seal	
2.	Enclose GST registration certificate and PAN No	
3.	Scanned copy of Earnest money Deposit (EMD) has been enclosed.	
4.	Compliance Report	
5.	Performance Statement of Last 3 Years	
6.	Certificate to be signed by the bidder	
7.	Checklist	
8.	Complete tender documents have been enclosed, after signature & stamping on ALL pages.	
9.	Delivery Terms & Period as per tender have been accepted and mentioned in tender.	
10.	Warranty terms as per tender accepted.	
11.	The tenderer has clearly mentioned in writing that business dealings with their firms have not been banned by any Govt. /Private agency.	
12.	If the tenderer wants to mention any specific condition, it must be mentioned on the covering/ forwarding letter only which will be placed on the first page of the technical bid. Such condition mentioned in any other document shall not be given any consideration.	
13.	Copy of valid registration certificate with GeM in the case of Indian Agent enclosed only in case the bid is for item falling in the restricted list of the Export & Import Policy of Govt .of India	

Signature of Tenderer with office seal