



भाकृअनुप - राष्ट्रीय अजैविक स्ट्रेस प्रबंधन संस्थान  
ICAR - NATIONAL INSTITUTE OF ABIOTIC STRESS MANAGEMENT  
भारतीय कृषि अनुसंधान परिषद, कृषि अनुसंधान एवं शिक्षा विभाग  
Indian Council of Agricultural Research, Department of Agricultural Research & Education  
कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार  
MINISTRY OF AGRICULTURE & FARMERS WELFARE, GOVERNMENT OF INDIA  
मालेगांव, बारामती, पुणे 115 413 - , महाराष्ट्र, भारत  
Malegaon, Baramati- 413115, Pune, Maharashtra, India



## Tender for Construction of Cattle Sheds

For and on behalf of the Secretary, ICAR, the Director, ICAR-NIASM, Baramati invites e-tenders for Construction of Cattle Sheds through the website [www.eprocure.gov.in](http://www.eprocure.gov.in) under two bid systems from reputed firms.

**Published date: 23/01/2017**

**Bid Submission end date: 07/02/2017 04.30 PM**

**Technical Bid Opening date: 08/02/2017 02.30 PM**

### **Important Notes:**

1. Tender Documents can be downloaded from ICAR-NIASM website [www.niam.res.in](http://www.niam.res.in) or from Central Public Procurement Portal [www.eprocure.gov.in](http://www.eprocure.gov.in). Bidders should enrol / register in the e-procurement module of Central Public Procurement Portal through the website: [www.eprocure.gov.in](http://www.eprocure.gov.in). Bidders should also possess a valid DSC for online submission of bids.
2. Bids received on e-tendering portal only will be considered. Bids in any other form sent through sealed cover/email/post/fax etc. will be rejected.
3. ICAR-NIASM, Baramati reserves the right to accept / reject any /all tenders in part /full without assigning any reason thereof.
4. ICAR- NIASM will not be responsible for any delay in enrollment/registration as bidder or submitting/uploading the offer on e-tender portal. Hence, bidders are advised to register in e-tendering website [www.eprocure.gov.in](http://www.eprocure.gov.in) and enroll their Digital Signature Certificate and upload their quotation well in advance.
5. Any changes/corrigendum/ extension of opening date in respect of this tender shall be issued through websites only and no press notification will be issued in this regard. Bidders are therefore requested to regularly visit our website for updates.

## INSTRUCTION TO THE TENDERERS

The Tender shall be submitted in accordance with these instructions and any tender not confirming the instructions as under is liable to be rejected. These instructions shall form the part of the tender and contract.

1. For Online Bid Submission, as per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal using valid Digital Signature Certificates. More information useful for submitting online bids on the CPP Portal may be obtained at [www.eprocure.gov.in/eprocure/app](http://www.eprocure.gov.in/eprocure/app).
2. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF formats. Bid documents may be scanned with 100 dpi with black and white option.
4. The Technical Bids will be opened on 08.02.2017 at 02:30 P.M. The date & time for opening of Financial Bids will be notified on the portal. The bidders may regularly check the portal regarding the date of opening of financial bid.
5. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any Tenderer stipulates any condition of his own, such conditional tender is liable to be rejected.
6. Director, ICAR-NIASM, reserves the right to reject any tender/bid wholly or partly without assigning any reason.
7. All the tender documents & Price Bid to be uploaded as per this tender are to be digitally signed by the bidder.
8. Tender Cost: The bidder should submit a demand draft of Rs. 1000/- (Rupees One thousand only) towards non-refundable tender fee, drawn in favour of "ICAR Unit, NIASM" payable at Baramati in a sealed envelope super-scribed as "Tender fee FOR CONSTRUCTION OF CATTLE SHED on or before last date & time of submission of bids. In the absence of tender cost, the tender will not be accepted.
9. **Earnest Money Deposit (EMD): An amount of Rs. 18000/- (Rs. Eighteen thousand only) in the form of Demand Draft drawn in favour of "ICAR Unit, NIASM" payable at Baramati.** This EMD should be submitted in sealed envelope super-scribed as Rate Contract-for Construction of Cattle Shed. Failure to deposit Earnest Money will lead to rejection of tender. In the event of the awardee bidder backing out, EMD of that bidder will be forfeited. The EMD of the accepted Tender will be refunded only after on receipt of Contract Form.

**Note: Both (tender fee & EMD) envelops should be placed in another sealed envelope and address to: "The Director, ICAR-National Institute of Abiotic Stress Management, A/p. Malegaon Kh, Tal- Baramati, Dist-Pune-413115. This**

**envelops having tender fee & EMD should reach on or before last date & time of submission of bid.**

10. Validity: The bid should be valid for acceptance up to a period of 90 Days. The Bidders should be ready to extend the validity, if required without any additional financial implications.
11. Mode of Payment: No advance payment will be made for the suppliers. Payment on bill basis after satisfactory services.
12. The 15 Digit Service Tax Code numbers allotted to each operator by the Central Excise Department may be furnished.
13. The payment shall be arranged by this Institute within reasonable period of time on production of proper Printed Invoice/Bills (3 SETS) along with ORIGINAL, DUPLICATE AND TRIPLICATE SHEET with full details with advance stamped receipt.
14. Service Tax on Total Bill shall be charged.
15. The Tender Documents are not TRANSFERABLE under any circumstances.
  1. The Director, ICAR - NIASM, Baramati reserves the right to reject any or all the tender(s) without assigning any reason thereof.
  2. Only Courts in Pune shall have the jurisdiction over any dispute arising out of this transaction.
  3. The Tenderer(s) shall furnish the complete **BANK DETAILS** for arranging payment through RTGS as per the details below:

<b>ACCOUNT NAME</b>	
<b>BANK &amp; BRANCH NAME</b>	
<b>BANK ADDRESS</b>	
<b>BANK SWIFT CODE</b>	
<b>BANK CODE NO.</b>	
<b>BANK ACCOUNT NO.</b>	
<b>9 DIGIT (MICR) CODE NO.</b>	
<b>PAN ACCOUNT NO.</b>	

**The following documents are to be enclosed along with the tender failing which the tender shall be rejected out rightly:**

1. A copy of contractor's registration with CPWD/ PWD/ MES/ BSNL/ MTNL/ P & T/ All India Radio/ PSU/ Any Other Govt. Organizations The firm should have experience of similar type of construction work. Proof may be enclosed.
2. A copy of PAN card
3. A Photostats (i. e Xerox) copy of blank cheque for making payment by RTGS method.
4. Firm should enclose ITR for last three years and firm should have annual turnover of atleast one crore.

**INSTRUCTIONS TO BIDDERS, TERMS & CONDITIONS OF CONTRACT FOR EXECUTION OF WORKS**

1. Quotations received after due date and time shall not be entertained.
2. The quoted rates must be valid for six months.
3. Contractor/ agency should be experienced in above said work.
4. The EMD of successful bidder shall be converted into a part of security deposit. The EMD of unsuccessful bidders will be returned within 15 days from the date of award of work to successful bidder.

The successful bidder has to pay security deposit amounting to 10% of the quoted

5. amount. The security deposit will be released only after six months from the date of successful completion of work.
6. The defect liability period is 6 months. Any defect arising in the defect liability period is to be rectified by the contractor without any extra cost, failing which the same shall be done departmentally at the "**risk and cost**" of the contractor and the amount of expenditure shall be deducted from the security deposit.
7. The quoted rates should be inclusive of cost of material, carriages, all taxes whatsoever, storage, watch and ward, wastages, etc. The quoted rates shall not be increased under any circumstances.
8. Income tax will be deducted at source from the bill as per rules.
9. The Institute will not supply any tools, equipments, materials. The contractor has to make their own arrangement.
10. The EMD submitted by the bidder is liable to be forfeited by the Institute, if the selected firm/bidder fail to commence the work within seven days from the date of receipt of work order.

11. The work must be completed within the specified time period, failing which a penalty up to 5% of the tendered amount per month will be charged.
12. Works are to be executed strictly as per the specifications mentioned in the tender document failing which work shall be rejected.
13. The material used for Construction must be approved by the officer In-charge (Estate)/ site in-charge before using failing which works shall be rejected.
14. The agency has to abide by all rules and regulations pertaining to labour act. The contractor has to take all necessary steps for the welfare measures of labours employed by him at the site.
15. The agency will be fully responsible for providing medical facilities to their labourers in case of any accident, etc. Matters related to labour welfare/problems should be dealt by the contractor only. NIASM, Malegon Baramati shall not be responsible in such matters
16. Taxes, if any, should be clearly mentioned in the quotation failing which it will be presumed that the quoted rates are inclusive of all taxes. No additional tax will be allowed if the same is not mentioned in the quotation document.
17. The tenders/bidders in their own interest are instructed to visit the site for understanding the site conditions, nature of work, etc.
18. The Director, NIASM Malegon, Baramati reserves the right to accept or reject any or all tender / all tenders without specifying any reason whatsoever. No correspondence shall be entertained in this regard. The decision of the Director NIASM, Baramati shall be final and binding on all concerned in such matters.

### Online Bid Submission Details

#### Online Bid Submission:

The Online bids (complete in all respect) must be uploaded online in Two Covers as explained below:-

COVER - I (Following documents to be provided as PDF file)			
Sl. No.	Documents	Content	File types
1		Scan copy of Sales Tax/VAT Registration/ PAN	.PDF
2		Scan copy of Tender Fee and Earnest Money Deposit by way of Demand Draft	.PDF
3		Scan copy of certificate for EMD exemption, if claiming.	.PDF

4		Scan copy of registered contractor of any GOVT organisation	.PDF
5		Scan copy of experience certificate	.PDF
6		Scan copy of ITR for last three years	.PDF
7		Scan copy of Annual turnover	.PDF
	COVER - II		
1	Financial Bid	Price bid (BOQ) to be filled in Excel format	.XLS

All the documents and BOQ has to be digitally signed by the bidder.

I/c. Senior Administrative Officer

## **Specifications of low cost experimental cattle shed at ICAR-NIASM**

Conventional cattle shed for 30 animals with head to head system. Covered (with roof) area of 9 X 18 meter (162 sq meters) with concrete floor, free/open area (without roof) of 15 X 18 meters (270 sq meters) and enclosed with railings and 2 rooms for feed, fodder and equipments.

The direction of the cattle shed should be North-South along the long axis.

### **CIVIL COMPONENTS:**

**Floor:** Floor of the covered areas should be pucca cemented, non-slippery, with uniform gradient of 1:50 from manger to gutter in animal standing area.

There should be provision for proper drainage system and collection pits. Gutter (width 0.3m) should be with sufficient slope for proper drainage towards pits.

**Railings:** All the animal standing areas and open spaces should be divided with proper railings. The railings towards mangers should have manual animal trapping system.

**Roof:** Should be made up of modern metal type sheets that resist heat transfer.

**Height of shed:** As per layout drawings (Enclosed).

### **Details of each components of civil work are given in Annexure II**

### **ELECTRICAL REQUIREMENTS:**

22 Watt LED Tube light/ LED Batten (quantity 5), Ceiling fan with speed regulator (quantity 8), Angle lamp holder with 12 Watt LED bulb (quantity 16), Ceiling rose (quantity 8), Modular shuttered socket , 6/16 A 3 pin (quantity 16), all other details as given in the financial bid Annexure II.

### **Details of each components of electrical work are given in Annexure II**

**ANNEXURE -II**

<b>CIVIL COMPONENTS</b>					
<b>Sr. No.</b>	<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
1	Earthwork: Excavation in foundation trenches or drains not exceeding 1.5m in width and 60cm in depth or 10sqm on plan including dressing of sides and ramming of bottoms lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soils as directed within a lead of 50m. (For all kind of soils including hard rock)	13.236	cum		
2	<b>Concrete Work</b>				
	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work up to plinth level 1:2:4 ( 1 Cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size	2.97	cum		
3	<b>BRICK WORK</b>				
A	Brick work with regular bricks conforming to IS : 12894 - 2002, class designation 10 average compressive strength in foundation, plinth level and above plinth level in :Cement mortar 1:6 ( 1 cement : 6 coarse sand)	33.7398	cum		
B	Half brick masonry	72	sqm		
5	<b>Plaster work</b>				
	12mm cement plaster of mix :1 : 6 (1 cement : 6 fine sand )	307.32	sqm		
4	<b>STEEL WORK</b>				
	M.S. work in built up tubular (round, square or rectangle hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.	3063.90	kg		
6	<b>Colour Work</b>				
A	For Brick Work : Finishing of walls with exterior weather-proof paint of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour: Apex paint	235.32	sqm		

B	For Steel Work :Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour(Oil paint )	79.2384	sqm		
7	<b>FLOORING</b>				
A	PCC work of 150mm thick with 1:2:4 (Provide gentle slope towards outer side)	27	cum		
B	Kota Stone	31.05	sqm		
8	<b>Roofing</b>				
A	Providing and fixing precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer - in Charge) 0.50mm + 0.05%, total coated thickness with zinc coating 120 gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard flim of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The street shall be fixed using self-drilling/self-tapping screws of size ( 5.5x 55mm) with EPDM seal, complete up to any pitch in horizontal/ vertical or curved surface excluding the cost of purlins, rafters and trusses and including cutting to size shape wherever required	216.6	sqm		
B	Ridges plain ( 500 - 600mm)	19	m		
9	<b>Doors</b>				
A	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non- decorative type, core of block board construction with frame of 1 <sup>st</sup> class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 35mm thick including ISI marked stainless Steel butt hinges with necessary screws 35mm thick including ISI marked stainless Steel butt hinges with necessary screws and frame	2	No.		
10	<b>Windows</b>				
	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete with frames with rawl plugs screws etc.	4	No.		

	<b>Civil component Total</b>				
<b><u>ELECTRICAL COMPONENTS</u></b>					
<b>Sr. No.</b>	<b>Particular</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
1	Supply installation testing and commissioning Lower consumption and energy saving <b>22 Watt LED Tube light/ LED Batten</b> Supported by better extruded aluminium body having Long life span => 50,000 hrs Power: 22 watts; Operating Voltage: AC120-250 volts 50 Hz, Warranty: 12 Months' wiring should be made with 1.5 Sq mm, single core wire	5.00	Nos.		
2	Supply installation testing and commissioning ISI marked, minimum 3 star BEE rating <b>Ceiling fan with speed regulator</b> Minimum Sweep: 1200mm, Number of Blades: 3, Blade Type: Metal, Warranty: 12 Months' Warranty, Colour: Brown, wiring should be made with 2.5 Sq mm, single core wire	8.00	Nos.		
3	Supply installation testing and commissioning of Square box and <b>Angle lamp holder with 12 Watt LED bulb</b> , wiring should be made with 1.5 Sq mm, single core wire	16.00	Nos.		
4	Ceiling rose	8.00	Nos.		
5	Supply installation testing and commissioning of ISI marked Modular shuttered socket , 6/16 A 3 pin - Indian 2 module Power point wiring should be made with 4 Sq mm, single core wire	16.00	Nos.		
6	Modular surface box - 3 module	16.00	Nos.		
7	Modular surface plate - 3 module	16.00	Nos.		
8	Modular surface box - 8 module	9.00	Nos.		
9	Modular surface plate - 8 module	9.00	Nos.		
10	16 A switch 1 way - 1 module	40.00	Nos.		
11	25 mm well painted in primer & oil paint plywood for fixing of DB, Power sockets, Switch board of desired sizes etc.	1.00	Nos.		
12	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable (Red, Yellow, Blue, Black, Green)	360.00	metre		
13	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable (Red, Yellow, Blue, Black, Green)	360.00	metre		
14	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable (Red, Yellow, Blue, Black, Green)	360.00	metre		
15	25 mm, Heavy guage conduit	100.00	metre		
16	25 mm casing capping	40.00	metre		
17	Accessories for conduit wiring like 4 way, 2 way junction box, Bend, Sockets etc.	1.00	Lumpsum		
18	<b>Fome sheet</b> Danger plate	2.00	Nos.		

19	Other hardware like, Lugs, Insulation tape, Screws, Washers, Rawal, 8 SWG GI wire, Power indicators, Plugs etc.	1.00	Lumpsum		
	<b>Electrical component Total</b>				
<b><u>CATTLE SHED (CIVIL + ELECTRICAL) GRAND TOTAL ( ₹ )</u></b>					

**ANNEXURE -III**