



**Request for Proposal for
Invitation of Price Bid**



Price Bid Ref No: NDS/NMR/SWS/24-25/JULY/01

05.07.2024

To,

Dear Sir,

Subject: INVITATION OF PRICE BID FOR MILK TETSING MACHINE

Under Rashtriya Gokul mission (RGM) & As per approval of National Milk Recording Programme (NMRP) in the eight Project monitoring committee held on 17 April 2024 for establishing the 12 milk recording units, NDDB Dairy Services invites the competitive bidder for the supply of following item

1. You are invited to submit your most competitive quotation for the following items.

S.No	Work	Uom	Qty	Delivery Location
1	SMART WEIGHING SCALE	NOS	150	Alamadhi Semen station, Chennai, Tamilnadu
		NOS	100	Rahuri Semen station, Rahuri Maharashtra
		NOS	100	Karnal, Haryana
		NOS	50	Kapurthala Jalandhar
		NOS	50	CCBF Andeshnagar Lakhimpur UP
		NOS	50	Varanasi, UP
		NOS	50	Purnea, Bihar
		NOS	50	Darbhanga, Bihar

Event Start Date	5 July 2024
Event end date & Time	25 July, 2:00 pm
Technical Bid Opening Date & Time	25 July, 2:30 pm
Price Bid opening Date & time	After completely evaluation of technical bid of all bidders
Mode of submission of bids	Only hard copies (Price Bid & Technical bid in different envelopes)
Address for submission of Quotation	Purchase Department NDDB Dairy Services Near Kamal Cinema, Jhandu Singh Marg Safdarjung Enclave, New Delhi 110029 Mob 8853491248

2. BID PRICE

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.



**Request for Proposal for
Invitation of Price Bid**



- b) The price bid shall be submitted in the format enclosed at Price bid
 - c) The rates quoted by the bidder shall be fixed and shall not be subject to adjustment on any account.
 - d) The prices shall be quoted in Indian Rupees only.
3. Each bidder shall submit only one quotation. Bidder shall not contact other Bidders in matters relating to this Quotation.

4. Specification : Annexure I

5. Validity of Quotation

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.

6. Evaluation of Quotation

Bidder have to submit two (02) envelope one is **price bid** & and other will be **technical bid**, on specified date Technical bid will be open & evaluated then price bid will be open only of those who would have qualified in technical bids

The Purchase Committee of NDDB DAIRY SERVICES, NEW DELHI will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) are properly signed; and
- (b) Conform to the terms and conditions, and specifications.

GST, Packing, Forwarding, Freight & Insurance charges in connection with sale of goods shall be taken into account in evaluation.

Evaluation of bids will be carried out one-line item basis as per location

Decision taken by NDDB DAIRY SERVICES would be final and bidders have to abide by that.

7. Award of contract

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive.

8. Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
9. The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order.
10. **TERMS OF PAYMENT:** Payment would be done within 30 days after successfully installation of equipment.
11. **Warranty/AMC Warranty:** One year comprehensive warranty for equipment and all parts (software/hardware) from the date of delivery.



**Request for Proposal for
Invitation of Price Bid**



- Spares: Battery: Availability of spare battery, if required for at least three years of smooth operation of device. Battery Charger: Availability of spare battery charger
12. **Inspections and Tests:** Stage-wise inspection and pre dispatch inspection (to check compliance to technical specifications defined in RFQ) may be carried out by the Purchaser or an agency appointed and paid by Purchaser for this purpose.
13. **Delays in the Supplier's Performance:** Delivery of the Goods shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Purchase Orders. If at any time during performance of the Purchase Order, the Supplier should encounter conditions impeding timely delivery of the Goods the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, it's likely duration, and its cause(s). As soon as practicable after receipt of the Supplier 's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier 's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Purchase Order.
14. **Liquidated Damages for Delay:** Subject to Clause 13, if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Purchase Order, the Purchaser shall deduct from the Purchase Order Price, as liquidated damages, a sum equivalent to 0.5% of price of the delayed Goods for each week or part thereof of delay until actual delivery up to a maximum deduction of the 10% of the Purchase Order price. Once the maximum is reached, the Purchaser may consider termination of the Agreement or the Purchase Order.
15. **Taxes and Duties:** The Supplier shall be entirely responsible for all taxes, duties, etc. incurred until delivery of the contracted Goods to the Purchaser. However, the local taxes such as Octroi/entry tax etc. at the time of supply, if any, will be paid by the supplier & the same shall be reimbursed by the Semen Station against the submission of original documents as evidence of payment.
16. Bidder must submit their documents as per annexure II.

We look forward to receiving your quotations and thank you for your interest in this project.

Thanking you!

Yours faithfully

**Purchase Department
NDDB Dairy Services.**



**Request for Proposal for
Invitation of Price Bid**



FORMAT OF PRICE BID

Price Bid Ref No: **NDS/NMR/SWS/24-25/JULY/01**

Date:

To

**NDDD Dairy Services
New Delhi**

Dear Sir:

With reference to your invitation of the price bid, the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the Goods and associated services in full conformity with the invitation for price bid, for the sum of Rs. _____ (hereinafter called "the Total Bid Price"). The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.

We undertake, if our bid is accepted, to deliver the Goods and associated services in full conformity in accordance with the delivery schedule and consignees indicated in your invitation for the price bid.

We undertake that, in competing for (and, if the award is made to us, in executing) the above Agreement, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

We understand that you are not bound to accept the lowest or any bid you may receive.

We confirm that there is no change in our eligibility and no adverse change in qualification information submitted during the first stage bidding.

Dated this

Signed: _____

Date: _____

In the capacity of *[insert: **title or position**]*/Duly authorized to sign this bid for and on behalf of *[insert: **Name of Bidder**]*

Request for Proposal for Invitation of Price Bid

PRICE SCHEDULE (Bid Ref No: Price Bid Ref No: NDS/NMR/SWS/24-25/JULY/01)

S. No	Item	Quantity (A)	Delivery Location	FOR Base Price (B)	GST (C)	Total Unit Price D= (B+C)	Total FOR E=AXD	Make & Model
1	SMART WEIGHING SCALE	150	Alamadhi Semen station, Chennai, Tamilnadu					
2	SMART WEIGHING SCALE	100	Rahuri Semen station, Rahuri Maharashtra					
3	SMART WEIGHING SCALE	100	Karnal, Haryana					
4	SMART WEIGHING SCALE	50	Kapurthala Jalandhar					
5	SMART WEIGHING SCALE	50	CCBF Andeshnagar Lakhimpur UP					
6	SMART WEIGHING SCALE	50	Varanasi, UP					
7	SMART WEIGHING SCALE	50	Purnea, Bihar					
8	SMART WEIGHING SCALE	50	Darbhangha, Bihar					

Evaluation of bids will be carried out one-line item basis as per location

Signature of Bidder: _____

Name: _____

Business address _____

Place:

Date



Request for Proposal for Invitation of Price Bid



Annexure I

The primary objective of the SWS is to facilitate milk recorder, weighing of the total quantity of milk produced by an animal at farmers' place along with GPS coordinates and forward the relevant data to INAPH system running on the device connected to SWS via Bluetooth.

Features:

1. Weighing capacity upto 25 kgs with facility to take multiple measurements, if required. (refer Annexure-I)
2. LCD/LED display of weight in Kgs, upto three digits after decimal (in grams).
3. GPS enabled.
4. Facility to communicate four attributes (Date-Time stamp, Weight, GPS Coordinates (latitude, longitude), DeviceID) in pre-determined JSON format via Bluetooth to a connected device having OS Android, MS Windows.
5. Separate button on the scale for ON/OFF, Send, Tare, Add Weight Buttons (M+, MR, MC), Calibration.

Technical Specifications

1. Scale Dimension(l x w x h) : 20-25 cm x 20-25 cm x 7 cm (max)
2. Pan (Platform) size : 20-25 cm x 20-25 cm
3. Weight of Scale : Maximum 2.5 Kg (including battery)
4. Material :
 - a. Scale: MS body.
 - b. Pan (Platform): Stainless Steel.
5. Weighing Capacity: Maximum 25 Kg.
6. LCD/LED Display Unit:
 - a. Display of Date, Time and DeviceID while booting the machine.
 - b. Weight in Kg format, upto three digits after decimal (in grams).
7. Accuracy /Precision: Class – III accuracy compliance. Least count 10 gram (max).
8. Indicators:
 - a. Device On/Off LED.
 - b. 'Low Battery' LED.
 - c. 'Charging in progress' LED : When connected to AC power source.
 - d. 'Charge level' indicator.
 - e. 'GPS Connection' indicator.
9. Type: Cantilever load cell.
10. Touch Buttons:
 - a. **ON/OFF** : Button on the scale to switch on /off the device.
 - b. **TARE** : Button on the scale for tare arrangement.
 - c. **M+** : Button on the scale to allow accumulation of weight in memory.
 - d. **MR** : Button on the scale to recall the accumulated weight available in memory.
 - e. **MC** : Button on the scale to clear the accumulated weight, if any available in memory.
 - f. **SEND** : Separate button on the scale to forward the data to connected device. Incase, GPS signals are not available (indoors), the SEND button will not forward the data string, display message "GPS ERROR !!!"



**Request for Proposal for
Invitation of Price Bid**



- g. **CALIBRATION** : A mechanism/switch combination available in the machine to calibrate unit, if required.
11. Waterproof protection: IP65. Waterproof carry bag with the size of a scale.
12. Battery:
- Lithium-ion re-chargeable battery with **circuit/battery protection** design inbuilt.
 - Battery having minimum 2200 mAH capacity, to provide 14-15 hour backup, should last up to one week with proper operation (Daily 1.5 to 2 hours of continuous use) of the device.
 - Battery Charger: Universal Battery Charger, to fully charge the machine in 4-5 hours.
 - Low battery indicator LED should start when atleast 2-2.5 hr back-up is available.
13. Connectivity:
- SPP (Serial Port Protocol) based Bluetooth module having Classic Bluetooth chipset which can be paired with from any older device mobile phone model to latest android mobiles, windows based Netbooks/laptops /desktops etc.
 - Pairing password for Bluetooth communication security.
14. GPS: GPS module with external Antenna on top of the body, having accuracy about 5-10 meters.
15. Output Data Format: Standard JSON based format (refer Annexure-II) along with facility for pairing password for security. Pairing password shall be unique per device.
16. Attributes to be broadcasted in JSON format:
- Date and Time in IST(Indian standard time) format.
 - Weight in Kgs upto 3 places after decimal.
 - GPS Coordinates (latitude, longitude) in DD (Decimal Degree) format with 6 digits after decimal.
 - Device ID. It should be Bluetooth MAC ID of the device.
17. Device Setup:
- The device should be ready for use within 2 minutes (max) after switch-it ON.
 - Incase GPS signals are not available (indoors), the device should not allow for measurement without GPS coordinates.
 - The device should have arrangement for leveling the machine on the plane surface.
 - Non-erasable label "**Not for Commercial Use**" required on the machine, to avoid misuse, if any in the field.

Service and Support

15. Warranty: One year comprehensive warranty for equipment and all parts (software/hardware) from the date of delivery.
16. Spares:
- Battery: Availability of spare battery, if required for at least three years of smooth operation of device.
 - Battery Charger: Availability of spare battery charger.



**Request for Proposal for
Invitation of Price Bid**



Proposed procedure for Milk Measurement.

The primary objective of the SWS is to facilitate milk recorder, weighing of the total quantity of milk produced by an animal at farmers' place alongwith GPS coordinates and forward the identified data to INAPH system running on the device connected to SWS via Bluetooth.

a. Simple Function: Quantity of milk to be weighed using SWS is less than or equal to the volume of the available container. For example milk to be weighed is 8.0 kg and the container available is having capacity of 10.0 kg. The typical sequence of events will be as under.

1. Place empty container on the scale.
2. Press 'TARE' key.
3. Check the display weight, it should be 0.000.
4. Fill 8.0 kg milk in the container.
5. Display will show 8.000.
6. Press 'SEND' key for sending the data to connected INAPH device.
7. Remove the milk from the container and keep empty container on the scale.
8. Display should show 0.000.

b. Accumulation Function : Quantity of milk to be weighed using SWS is greater than the volume of the available container. For example milk to be weighed is 15.0 kg and the container available is having capacity of 10.0 kg. The typical sequence of events will be as under.

1. Place empty container on the scale.
2. Press 'TARE' key.
3. Check the display weight, it should be 0.000.
4. Fill 10.0 kg milk in the container. Display will show 10.000.
5. Press M+ button. Display shall start flashing or any other signal to inform user that data is being stored in memory.
6. Remove the milk from the container and keep the same empty container on the scale. Display should show 0.000. (Incase, other container is used, "TARE" button shall be used.)
7. Fill remaining 5.0 kg milk in the container. Display will show 5.000
8. Press M+ button to add with previous reading. Display shall start flashing. (Goto step 6, incase more milk is available)
9. Press MR button to recall accumulated weight. Display will start flashing. Display will show 15.000. This step is optional and one can go directly to step 10.
10. Press 'SEND' key for sending the accumulated weight available in memory to connected INAPH device. Display will show 15.000.
11. Now, Press MC button to clear all accumulated memory data. Display will stop flashing.



**Request for Proposal for
Invitation of Price Bid**



JSON format for data string

```
{  
  "device": {  
    "make": "ConnViva",  
    "model": "PH-WTS-500",  
    "version": "1",  
    "deviceid": "xxxxxxxx"    Rem: It should be Bluetooth Mac ID of  
device.  
  },  
  "reading": {  
    "datetime": "2017-09-12 16:47:87.897",  
    "weight": "6.265",  
    "unit": "kg",  
    "lat": "22.564517",  
    "lng": "72.928871"  
  }  
}
```



**Request for Proposal for
Invitation of Price Bid**



➤ **Annexure-II**

External Vendor Verification Form			
GENERAL INFORMATION OF EXTERNALVENDOR			
External Vendor Name			
Registered Address			
GST Number			
Mob Number			
Contact Person name			
Email - Address			
Material/Service supply description	Estimated Annual Qty	Estimated Value in Rs	
Attached separate product if required			
ADDITIONAL INFORMATION			
Nature of Business (Public Ltd, Pvt Ltd, etc.)			
Number of years in business			
Number of Employees			
factory Licence Number			
C.S.T / L.S.T No			
Aadhar No			
PAN / Tan No			
GST No			
MSME No			
Banker			
Bank Account Details	Name- Acc No.- IFSC- Branch-		
Checklist - Please Tick Are you related in any manner to any external customer associated with NDDB Dairy Services - YES / NO Are all the Licences related your firm are upto date / renewed - YES / NO			
Other Business Details	Status	Nature of Business	
_____ Company Seal & Signature			