



**KERALA LIVESTOCK
DEVELOPMENT BOARD Ltd.**

(A Government of Kerala Undertaking)
An ISO 9001 : 2008 Certified Company



No.473/2020/Pr.II

Dated: 26.07.2021

QUOTATION NOTICE

Sealed quotations are invited for the supply of Smart (electronic) Weighing Scale (SWS) as detailed below.

Items / Description

Quantity required

Smart (Electronic) Weighing Scale (SWS)

7 (seven) Nos.

Quotations will be received up to **2.30 PM on 11.08.2021** and opened at 3 PM on the same day in the presence of tenderers or their authorized representatives who may be present at the time. Late quotations will not be accepted. Indenting tenderers may submit the quotations on their own letter heads. For further details of quotation, please contact the office of the undersigned.


Managing Director.



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QUOTATION NOTICE

- Due date and time for receipt of quotations : 11.08.2021, 2.30 PM.
- Date and time for opening of quotations : 11.08.2021, 3 PM.
- Date up to which rates are to remain firm for Acceptance : 31.10.2021.
- Designation and address of officer to whom the Quotation is to be addressed : The Managing Director
KLD Board, "Gokulam",
Pattom.P.O.,
Thiruvananthapuram – 695 004.

Superscription: - **Quotation for the supply of Smart (Electronic) Weighing Scale (SWS).**

Sealed quotations are invited for the supply of the materials specified in the schedule attached below. The rates quoted should be for delivery of the articles at the place mentioned below the schedule. The necessary superscription, due date for the receipt of quotations, the date up to which the rates will have to remain firm for acceptance and the name and address of officer to whom the quotation is to be sent are noted above. Any quotation received after the time fixed on the due date is liable to be rejected. The maximum period required for delivery of the articles should also be mentioned. Quotations not stipulating period of firmness and with price variation clause and / or 'subject to prior sale' condition are liable to be rejected.

The acceptance of the quotations will be subject to the following conditions:

1. Acceptance of the quotation constitutes a concluded contract. Nevertheless, the successful tenderer must within a fortnight after the acceptance of his quotation, execute an agreement in Kerala stamp paper worth Rs.200/- at his own cost for the satisfactory fulfilment of the contract, if so required.
2. Withdrawal from the quotation after it is accepted or failure to supply within a specified time or according to specifications will entail cancellation of the order and purchases being made at the offerer's expenses from elsewhere, any loss incurred thereby being payable by the defaulting party. In such an event the Government reserves also the right to remove the defaulter's name from the list of Government suppliers permanently or for a specified number of years.
3. No representation for enhancement of price once accepted will be considered during the currency of the contract.

4. Any attempt on the part of tenderers or their agents to influence the Officers concerned in their favour by personal canvassing will disqualify the tenderes.
5. If any license or permit is required, tenderers must specify in their quotation and also state the authority to whom application is to be made.
6. The quotation may be for the entire or part supplies. But the tenderers should be prepared to carry out such portion of the supplies included in their quotation as may be allotted to them.
7. The prices quoted should be inclusive of all taxes, duties, etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin / supply or delivery during the course of execution of the contract.
8. Ordinarily payments will be made within 30 days after the supplies are actually verified and taken to stock.
9. Special conditions, if any printed on the quotation sheets of the tenderer or attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.



Managing Director

To

The known addresses (list attached)
Project Co-ordinator, RGM-PT Project, Kozhikode.
The Notice Board

KERALA LIVESTOCK DEVELOPMENT BOARD

Annexure - I

Item / Description: Smart (Electronic) Weighing Scale (SWS)

Quantity Required: 7 (seven) numbers

Name & address of the office to which the items are to be supplied:

*Office of the Project Co-ordinator,
RGM-PT Project, KLD Board Ltd.,
RSB, Pudukkottai, Kozhikode Dt., Kerala.*

Specifications:

Smart (Electronic) Weighing Scale **(Technical Specifications)**

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. In case, GPS signals are not available (indoors), the SEND button will not forward the data string, display message "GPS ERROR !!!"
 - 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:
 - a. Lithium-ion re-chargeable battery with **circuit/battery protection** design inbuilt.
 - b. 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.
 - c. Battery Charger: Universal Battery Charger, to fully charge the machine in 4-5 hours.
 - d. Low battery indicator LED should start when atleast 2-2.5 hr back-up is available.
- 13. Connectivity:
 - a. 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.
 - b. 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:
 - a. Date and Time in IST(Indian standard time) format.
 - b. Weight in Kgs upto 3 places after decimal.
 - c. GPS Coordinates (latitude, longitude) in DD (Decimal Degree) format with 6 digits after decimal.
 - d. Device ID. It should be Bluetooth MAC ID of the device.

17. Device Setup:
- a. The device should be ready for use within 2 minutes (max) after switch-it ON.
 - b. In case GPS signals are not available (indoors), the device should not allow for measurement without GPS coordinates.
 - c. The device should have arrangement for leveling the machine on the plane surface.
 - d. Non-erasable label "**Not for Commercial Use**" required on the machine, to avoid misuse, if any in the field.

Service and Support

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



Managing Director.