

**OFFICE OF THE
REGULATED MARKET COMMITTEE, JEYPORE, KORAPUT**

At- Umari, (Phulabada) Po-Railway Station-764001

E-Mail- secretaryrmcjeypore@yahoo.in

Letter No. 314 /R.M.C/2023

Date. 15/05/2023

TENDER CALL NOTICE

Sealed quotation are invited from reputed firms/ supplier having valid GST and PAN for supply, installation, testing and maintenance of weigh bridge. For supply of weigh bridge for operation Paddy Procurement as per approved specification prescribed by the Odisha State Agricultural Marketing Board, Bhubaneswar. The last date of receipt of sealed quotation through speed post by dt.30.5.2023 up to 5 P.M. The quotation will be opened on dt.31.5.2023 at 11.00 A.M. In the office of the undersigned. The details specification of the equipment as prescribed by R.M.C. may be downloaded from Koraput District website (Koraput.nic.in) from dated .16.5.2023, 10.00 A.M. to dt.26.5.2023 up to 5 P.M.

Sl. No	Name of the Equipment	Unit	Price-Quotated	Warranty
01	Electrical Weighing Bridge (60 M.T.)			

TERMS & CONDITIONS

The Quotation shall have to submit double cover system (Cover-I: TECHNICAL BID & Cover-II: PRICE BID) and subscribe the covers separately.

1. The Quotation has to deposit as paper cost of Rs. 1000/- EMD of Rs. 20,000/- in shape of D.D in favour of Secretary Regulated Market Committee, Jeypore.
2. The successful questioner has to deposit the security deposit Rs. 25000/- in favour of Secretary Regulated Market Committee, Jeypore within 3 days from the finalization of the quotation.
3. The Quotation should quote the rate of machinery inclusive labour and transport & other charge.
4. The quotation has to quote the rate of each item per unit exclusive tax separately.
5. The Quotation should be registered from CT & GST Authority and should furnish GST, PAN and valid license.
6. The suppliers of the machinery/ equipment should provide both theoretical and practical training after commissioning the machinery or an appropriate stage.
7. Delivery of the equipment/ machinery should be within 07 days of receipt of the purchase order.
8. Late & delayed Quotation offered will not be considered at all.
9. The Quotation has to submit valid authorization certificate from the manufacturer / dealer/ distributor for the item quoted.
10. The equipment should be delivered at R.M.C, Jeypore, Dist- Koraput, Odisha Pin- 764002 by the vendor.
11. The Quotation has to produce proof of successful execution of similar nature of machineries.
12. The Authority reserves all the right to reject all or any of the quotation without assaying any reason thereof.



TECHNICAL SPECIFICATION of fully Electronic weighbridge (Type-Pit less Kind)

60 MT capacity with ancillary infrastructure on Turn Key Basis with AMC

1. Electronic lorry weighbridge complete with platform, compression type load cells, digital indicator, recording and printing units.

1.1. Specification of Weighing System

- a. Capacity – 60 MT electronic static Road weigh bridge.
- b. Class – III
- c. Verification scale interval (e) – 10 Kg.
- d. Accuracy - $\pm 0.05\%$ of the applied load.
- e. Memory – At least 10,000 trucks steering capacity
- f. Display – LED / Fluorescent
- g. Power Supply – 230 volt Ac $\pm 10\%$; 50CPS $\pm 5\%$ Single phase.
- h. Provision of Rs. 232/ Rs 432 COM ports.
- i. Operating temperature range- 0-55°C.
- j. Security arrangement must be available with the Machine- Both hardware and software.
- k. Six load cells digital type is preferable- Double ended share beam/ compression type; capacity- 30 MT (minimum).
- l. Machine shall be delivered after certification by L.M.O.
- m. Working Software should be included.

1.2. Plat form

The weighing platform of size 10m X3m shall be cheq uered or antiskid plates of M.S. 12mm thickness with minimum 5 No. of joists of 400 X 140 mm confirming to I.S. specification for 60 MT weigh bridge. Minimum weight of plat form (7 M.T). The platform may be raised above the ground level for facilitating easy cleaning/ maintenance (Max 1.0 Meter). The approach pavement (ramp) to platform shall be developed with cement concrete of M 25 grade on both side of the plat form. The gradient of the CC approach may be made limiting to 5% (1 in 20). Construction of concrete approach (CC of M 25) to plat from on both side of plat form with a width of 5.5 mtr. As per the requirement of length at the site is under the scope of the bidder.

1.3. Specification of Digital Indicator

Capacity	: Programmable up to 5 digits (Minimum)
Increment	: Programmable 1.2 or 5 or their multiple
Display resolution	: Maximum 1 in 10000
Operating Temperature	: Maximum +55°C.

Operating Humidity	: Maximum 93% RH
Non Linearity	: 0.016% of full scale or less
Repeatability	: 0.016% of applied load
Internal Resolution	: Should be adequate to handle the Accuracy level specified for the weighing system.
Decimal point selection	: Selectable
Communication	: Built in Rs. 232C.
Display type	: LED Display / Fluorescent

Complete protection against electromagnetic and radio frequency interference.

1.4. U.P.S.

Capacity: 2 KVA / on line of reputed brand.

1.5. CVT

3 KVA, Input: 130-270V, 50 Hz+ 5% Output: 220+2%, 50Hz

1.6. Personal Computer

Desktop Configuration : Intel Corei5 Configuration

CPU	: Inter core i5- 3470, 3.2 GHz, 6 MB Cache or higher.
Chipset	: Intel Q77 or better.
Bus Architecture	: 4PCI (PCI/ PCI Express)
Memory	: 4GB 1600 MHz DDR RAM with 32 GB Expandability.
HDD	: 500GB 7200 rpm or higher.
Monitor	: 47 cm or larger (18.5 inch or longer) TFT/ LED Digital Colour monitor TCO-05 certified.
Keyboard	: 104 keys
Mouse	: Optical with USB interface.
Ports	: 6 USB Ports including 2 USB 3.0 Ports (with at least 2 in front), audio ports for micro phone and head phone in front.
Cabinet	: Mini tower
DVD Drive	: 8x or better DVD ROM drive.



Networking Facility: 10/100/1000 n board integrated Network port with remote Booting facility remote system installation, remote wake up, TPM enable 1.2 chip using any standard management software.

**Operation System
(in Built)**

: Windows 8 professional/ preloaded, as specified., with media and documentation and certificate of authenticity.

OS Certification

: Windows 8 OS certification.

Power Management

: Screen Blanking, Hard Disk and system idle mode in power on, set-up password, power supply SMPS Surge protected.

Preloaded Software

: Latest version of McAfee/Quick heal/Norton Antivirus software.

Make

: HP/DELL/LENOVO

1.7. Printer

Laser printer- Resolution (in dpi) : Mono 699 X 600, Paper size : A4, Print speed in PPM (A4 size) : 25, Port, 1 USB, Memory (in MB) : NA, Network card 10/100 : Yes, Duplexing : Yes.

Make

: HP/CANON/SAMSUNG

1.8 Software and interface requirements:

- The bidder needs to furnish relevant software interface for interfacing the weigh bridge with the computer systems for data transfer and other required operation such as calibration, testing etc. The systems must use standard serial/ parallel / USB interface for communication. The selected bidder will have to ensure the integration of the W.B. to application software which is to be used by the user. The software associated with the weigh bridge should be able to provide standard interface so that the output from the weigh bridge can seamlessly be integrated with any software custom designed or otherwise to be deployed for management /regulation/ administration of mineral transport and monitoring.

- The WB software must be user friendly and compatible with Windows – 7or later versions for operation through GUI interface with total response time (data access and entry time) less than 20 seconds for any weightment transaction. Keyboard shortcuts must be available for the data entry fields with option for navigation using key board shortcut such as TAB key for

maximum use of keyboard during the data entry operation needs to be provided. Format of user interface needs to be customized as per OSAMB requirements.

- Weigh bridge software needs to have facility for interconnected operation in a network environment. Tare weight and gross weight can be taken in any weighbridges which are connected through network. This can facilitate flexible tare weigh and gross weight at same or different weighbridges within the interconnected environment.
- It should be possible to schedule the tare weighment interval of a vehicle. The tare weight may be required to be taken up either daily, weekly or after a fixed period as per specific sites requirement. This needs to be configurable in the systems. It should be possible to generate loading slips (tare weight slips) from previous tare weight record.
- The system should generate loading slips, way bills, in the users prescribed format without much manual intervention. During generation of the printed slips, the data available in the system should be used to avoid redundant data entry operation.
- Weighment and delivery reports on specific or group of delivery orders, buyers, material, transporter, weighbridge etc. for a specific period indicating details of weighment including the timestamps needs to be generated by the system.
- The software should use multiple printer connected to the same system or multiple network printers available within the network for simultaneous printing. Use of printers needs to be configurable in the software. The systems should have capability to use dot matrix, laser or any other printer generation of all printouts.
- The system should maintain back up data in specified path (network or local system) for use during failure or breakdown. Backup data to removable strong such as CD and USB drive etc. also needs to be provided for manual backup operation. There should be provision for recovery of the software and database from the backup for uninterrupted operation. Storing of weigh records of at last 12 months for use in future and necessary hardware facility for achieving this shall also remain in build in the computer.
- The weigh bridge software and the database used by the system must be tamperproof with built in authentication for security. All user access to the weigh bridge software should be recorded automatically through audit records.

- The bidder must be able to modify / add or remove features in the software in a reasonable time period as per the recommendation of the competent authority.
- Other standard facilities for electronics Weigh Bridge also need to be available in the system.
- The calibration of the weighbridge should be carried out using software without any manual intervention and the record of all such calibration needs to be automatically generated and stored in the system for internal audit.
- The system should record all startup, shutdown or other important system events for audit.

2.1. BUNKHOUSE AND OTHER CIVIL WORKS

THE Bunk House should accommodate all the activities such as weighing, challan, identification/destination slips etc. under a signal window concept. The related Electrical Switch Gears, Earthing etc. as required shall be installed in the Bunk House by the bidder. The details specification are given below : M25 concrete ramp of 5.5 mtr Width and required length should be constructed on both side.

PARTICULARS OF THE BUNK HOUSE

SPECIFICATION :-

Room size : 4m x 3m x 3m of MS prefabricated bunk house type

The cabin structure is to be suitably designed with bottom frame top frame and wall frame made out of colour coated rolled steel sections.

Suitable stiffeners and fasteners are to be provided. Wall panel and roof panel are to be made with 50mm thick PUF panel. The PUF insulation should be sandwiched between 0.5 mm thick pre-coated steel sheets. The PU foam should be CFC free, self-extinguishing and fire retardant type having density 40.0 (± 2.0) kg /Cu.m.

The door frame to be made with colour coated pressed steel using 1.25 mm thick CR sheet.

Door – 1 no

Single leaf PUF insulated panel stiffened by M.S Frame along perimeter. The thickness of the shutter shall be made of 35/40 mm thick.

Windows – 3 nos

Colour coated aluminum anodized section / steel sections shall be used in frame and shutter. The shutter shall be fully glazed sliding type with 6 mm thick glass.

OR

Sliding type colour coated glazed shutter frame to be provided in the window.

In both cases colour coated M.S. grill to be provided in the window.

Electric wiring – Internal electrical wiring shall be made with 20mm dia / 32mm dia rigid PVC pipe with separate power and light circuit with modular switch / socket.

For light/fan point – 1.5 sq mm. copper wire of Finolex/L & T make.

Earthing - Electrode earthing with copper plate at bottom (600 x 600 x 6mm) -6 nos (One no for building, one on for electrical wiring and two nos for load cell)

Electrification with accessories

The following electrical accessories shall have to be in each Bunl House.

Wire	: Finolex/Havells/L&T make
Modular Switches/Plugs	: Anchor/Havells/Finolex
Holder	: 4nos (Anchor/Cona) make
5A, Pin plug socket with switch	: 6nos
40 watt, HPSV fitting with lamp for outside illumination	: 2nos
Ceiling fan	: 1 No (Phillips/Crompton/Bajaj).
CFL	: 20 watt. Serial type.

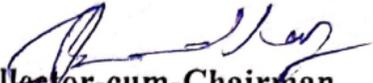
Earth Pit for earthing

- Earth pit for load cell
- Earth pit for scale room
- All pit to be inter connected to form a grid.
- Modern readymade earthing electrode with back filled compound to be used for earthing.
- Technology : - Pipe in Pine Technology. Two mild steel pipes one side the other, Zinc Coated / Copper Coated / Alloy Coated / Hot dip galvanized, filled with high conductive and corrosive resistance crystalline mixture and back filled compound around electrode. (Make ISI approved reputed make)
- Suitable Lightning Arrestors are to be installed for preventing the damage to the weigh bridge due to lightning.

Electrical Connection

The bidder shall make necessary arrangement for undertaking all electrical wiring for power supply arrangements. A detailed schematic diagram needs to be furnished for approval from RMC/ OSAM Board within one week from the date of receipt of the Purchase Order. The required Energy Meter for connection of the Bunk House shall be installed by RMC.

AMC of all Weighing Machines should be preferably given to the supplier of the machine to protect the machine longevity and well-functioning.


Sub Collector-cum-Chairman

R.M.C, Jeypore

Dt. 15/05/2023

Memo No. 315 /RMC/2023