



**Annexure II**  
**Special Terms & Conditions**

**Name of Work: Annual Maintenance Contract (AMC) (2021-22) for 60T Electronic Weighbridge at Phase-II & for 50T Electro-Mechanical Weighbridge at Phase-I, FACT-CD, Ambalamedu.**

**Tender No: 04028/2021-2022/E24536 dtd 22-12-2021**

FACT's General Conditions of Contract are applicable for this work.

1. PERIOD OF CONTRACT: Normally, the contract will be in operation for 12 months from the date of notice to proceed.
2. The bidder shall visit the site for evaluating the present operation and assessing the conditions of the Weighbridge before submitting the offer. Any subsequent claims in this regards will not be entertained.
3. The Contractor shall have Registration under Labour Dept. and shall have Valid Labour license issued by the dept. They shall maintain Registers as specified under Contract Labour (Regulations & Abolitions) Act and Rules, and shall issue Employment cards to their workmen.
4. The contractor shall also have a Valid License issued by Legal Metrology Department (LMD), Kerala for the repair and service of Weighbridges throughout the contract period. One copy of the same shall be submitted to FACT on submission of the quotation. On demand, the originals of the LMD License shall be produced for verification by FACT at any time of the Contract period.
5. Throughout the period of contract contractor shall possess a valid license certificate issued by LMD Kerala. It shall be the liability of the contractor to maintain and renew the license certificates as per norms/ guidelines issued by LMD time to time. Denial or refusal of work by contractor due to expiry of the certificate shall not be entertained in any case and in such cases FACT reserve the right to terminate the contract or execute the work through any other means found necessary. The contractor shall submit a copy valid license to FACT for records/ reference.
6. At the beginning and expiry of the contract, the Contractor must have reconciliation of the Electronic weighing controller, Load cells in all aspects, viz. Condition, brand, configuration, warranty etc.
7. All procedures shall be done as per guidelines of LMD rules and regulations, if any applicable.

**8. DETAILS OF WEIGHBRIDGES COVERED IN THIS CONTRACT**

1. 60T Electronic Weighbridge at Phase-II, Ambalamedu.

Details:

Make: Sanmar.

Capacity: 60 Tonnes.

No. of Load Cells: 6no.s.

Load cell Type: Shear Beam, Model: 65058 Make: M/S Sensortronics Sanmar Ltd Controller make: Sanmar.

Controller model: AWEW-1000.

2. 50T Electro Mechanical Weighbridge at Phase-I area, Ambalamedu.

Details:

Make:

Capacity: 50 Tonnes

No. of Load Cells: 1no

Load cell Type: S-Type

Controller make: Eagle Steel Corporation

Controller model: ESC

**9. AMC FOR 60T WEIGHBRIDGE****10.1 Preventive Maintenance :**

The Contractor shall make four Planned Visits during a year for Servicing, Maintenance & Calibration of the weighbridge as per program below:-

- i. Check healthiness of
  - a. Loadcells.
  - b. Junction Boxes.
  - c. Signal Surge Protectors
  - d. Workstation.
  - e. Connected Accessories
  - f. Weighbridge Structure
  - g. Loadcell Top/ bottom Mounting Plates & Cups.
- ii. Check correctness and tightness of all weighbridge electrical/ signal connections
- iii. Calibration Check of the Weighbridges.
- iv. Alignment of Weighbridge Platform upon the load cells
- v. Corner Adjustment & Calibration to be done if necessary.
- vi. Replacement of any faulty component with spares covered in the contract or provided by FACT.

The preventive maintenance works should be carried out between 8:30 hrs. to 16.00 hrs and shall be scheduled on the working days except Sundays and holidays.

**10.2 Break Down Visits:**

In the event of breakdown of the equipment, upon call, the Contractor or his service engineer shall reach the site at the earliest, but not later than 24 hours to attend the problems irrespective of Sundays and holidays, and contractor shall rectify the reported problem and reinstate the system at the earliest. There shall be no ceiling for such visit. The contractor should service all components in connection with the Weighbridge, failing which the contract will be terminated.

The contractor has to rectify the defect of the machine within 48 hours from defect reported to him, irrespective of intervening holidays and Sundays. If the defect reported is not rectified within 48 hours (not due to a reason attributed to FACT), FACT has the right to deduct 5% of the AMC amount forthwith. Further, If the defect is not rectified within 96 hours (not due to a reason attributed to FACT), FACT has the right to terminate the contract and execute the work through other means as required, without any force majeure.

On a report of faulty operation of any of the Weighbridge Electronic controllers at any of the specified Weighbridges by the Engineer-In-Charge, the contractor shall take action to inspect the item either at FACT site or by taking the item to his Workshop and subsequently shall submit a report of the Inspections done. The Contractor then shall submit an estimate amount of the works to be done to service the controller. On approval of the estimate by the Engineer-In-Charge, the Contractor shall service the Controller. The Contractor shall be responsible for delivery of the serviced controller and its transportation to the FACT site. The serviced Controller shall be accepted subject to an Inspection clearance from FACT. Payment for the service job executed shall be made against the invoice submitted by the Contractor.

After rectification of the reported complaint, normal operation of the weighbridge shall be ensured before handing over to FACT. The calibration check & corner test/ correction shall be performed and accuracy & functionality of the system shall be reinstated before closure of the complaint raised.



- 10.3 Alignment of Weighbridge Platform upon the load cells – during the period of AMC whenever an alignment is carried out following procedures shall be followed alignment of weighment.
- Lifting of Weighbridge platform using hydraulic jack/lifting tools at various corners as necessary (up to max 100mm).
  - Vertical alignment correction of the entire Weighbridge Platform upon the Load cells using necessary tools such as Spirit levels.
  - Horizontal alignment & play correction (Lateral & Longitudinal) of the entire Weighbridge Platform upon the Load cells.
  - Removal, Readjustment & Refixing of movement Restrictor Blocks up to 8 nos per weighbridge. The Restrictor blocks, Bolts & Washers shall be in the scope of FACT. The gap between the weighbridge restrictor block to the weighbridge platform shall be within 5mm after the alignment.
  - After alignment normal function of the weighbridge shall be ensured.

- 10.4 Weighbridge structural & sheet are not included in the scope of Contractor. – However supply/ removal/ replacement of a Load cell cup pair (Top & Bottom) from a Load cell base if required shall be in the scope of contractor. Necessary precautions should be taken while removing the cups by hammering so that the cups do not break in the process. Rust remover solutions shall be applied suitably and proper greasing shall be applied to the Cups,

- 10.5 Lifting-up & Descending down of the Weighbridge Platform – The Lifting-up & descending down of weighbridge for any replacement/ repair works shall be covered in their AMC. No separate payment shall be made for such activity.

However Lifting-up & descending down of platform for inspection & painting (i.e as per specific request from FACT) the payment shall per separate activity considered in the schedule of work.

- 10.6 Spareparts (Excluding Loadcell, Weighbridge Main structure/ sheet, Earth Pit, Civil Works, Weighbridge Printer, Printer Paper,) if required shall be replaced by the contractor as required during the period of contract. Such spares shall be supplied by the contractor without any additional Service/ Purchase order from FACT. The damaged spare parts if any when changed with a new one supplied by the bidder must be compatible with the existing one thus not necessitating replacement of other parts. The indicator if supplied for ensuring normal operation of the weighbridge due to a breakdown or found faulty during routine check must be compatible with the existing operating system. If not compatible necessary software meeting FACT requirement (operational/ format) shall be supplied by the contractor. In general spares for upkeep/ maintenance of following items/ equipment shall be in the scope of the contractor.

- Yoke & Saddle assembly
- Junction Box
- Signal surge protectors.
- Weighbridge controller/ indicator.
- Workstation PC – CPU, Keyboard, Mouse.

#### 10. **On-Call Visit - 50T WEIGHBRIDGE AT PHASE-I**

For 50T electro-mechanical weighbridge during period of contract two numbers of on-call visits/ breakdown visits and stamping of Weigh Bridge as per Schedule of Work shall be provided by the contractor. The contractor has to check the performance/calibration and physical conditions of the Weighbridges during the visit and shall include.

- Function/ Performance/ Calibration checking.
- Load Cell checking and replacement if required.
- Inspection of Mechanical structures/ platforms etc
- Cleaning of machine parts, junction boxes, platform etc.
- Servicing of Weighbridge to ensure normal operation if required

The date of visits shall be informed by the Engineer-In-Charge.



For 50 T Weighbridge spares are not included in the scope of contractor and any spares if required will be arranged by FACT.

11. **STAMPING / RE-VERIFICATION OF 60T & 50T WEIGHBRIDGES:** Coordinating and Liaisoning with LMD for getting the stamping done (Annual/ unplanned) for the weighbridges shall be done by the contractor. Each weighbridge shall be prepared for re-verification and stamping by the Legal Metrology Department as per next schedule date of stamping by the contractor. Program schedule of such visits should be intimated to FACT well in advance. Liaison works necessary for Annual Re-verification and stamping of the weighbridges by the LMD (Legal Metrology Department) shall be the responsibility of the contractor and the contractor should arrange the visit of the LMD from time to time, as required. Transportation facilities for such purposes are to be arranged by the contractor and expenses in connection with the verification & stamping, should be met by the contractor.  
  
Original Certificates (Re-verification and stamping of Weighbridges as per BOQ) to be collected from LMD after proper calibration & stamping (in due quarters) & shall be submitted to concerned Officer/Engineer in FACT-CD within 15 days of stamping.  
Annual stamping fee, payable to the Legal Metrology department for stamping/ certification etc. will be borne by FACT. FACT does not take responsibility for any actions of the contractor beyond the scope of this work.
12. All visits & activities (PM/ Breakdown/ Stamping) shall be recorded in register (kept specifically for AMC) available in the weighbridge and should be communicated to concerned authorities. At the end of each visit this register shall be signed by the contractor's Service Engineer and by FACT Engineer-in-charge. Any transportation of materials inside & outside the company related to the work will be the responsibility of the contractor and the contractor has to arrange vehicles for this purpose. Movement of all CI weights & supports to–fro the storage location & weighbridge shall be in the scope of contractor.
13. The calibration test weights, crane and dummy weights required for stamping/calibration shall be provided by FACT, subject to availability, though the labor involved (except for crane operation) shall be borne by the contractor.
14. During the contract period, the company will have full authority to upgrade, modify and change the system.
15. Counter check of the Weighbridges–Checking the reading accuracy of the weighbridges using a reference - such as Cast iron Weights / concrete weights etc. The Check shall be performed with the weight aligned at the middle of the Weighbridge platform and also at the two ends of weighbridge platform so as to verify the weight reading uniformity. Corner Adjustment & Calibration to be done if necessary.
16. Payment shall be made on Quarterly Basis and shall be made at the end of each quarter after satisfactory completion of works & against submission of bill/Invoice.
17. **TERMINATION /EXTENSION OF CONTRACT:** The entire work shall be carried out strictly as per instructions and entire satisfaction of the Engineer-In-Charge. The company reserves the full right and authority to discontinue / terminate / the contract at any point of time without assigning any reasons and even without notice. In addition, company will have full freedom for engaging other agencies at the cost and risk of the contractor in the event, the contractor fails to comply with our instructions. FACT reserves the right to extend the period of Contract to another 6months/12months on satisfactory completion of the contract of 12 months with the same terms and conditions of this contract.
18. The weighbridges should be handed over to FACT in working condition at the end of Maintenance Contract. Any complaint noted/ reported during the period of contract shall be attended and completed by the contractor.
19. FACT's Scope: Free water, electricity, fasteners required for the work. Cranes/Fork lifts, if required shall also be under the scope of FACT Subjected to availability of machine.
20. **CONTRACTOR'S SCOPE:** All tools & tackles/ instruments /multimeters /soldering stations etc. required for the work shall be under the scope of the Contractor. Liaison work with Legal Metrology Department or other departments if any, incidental expenditure, conveyance etc. shall be borne by the Contractor.