

## **Detailed SOP for Maintenance of Lorry Weigh Bridge (LWB) under CAMC**

The contractor shall depute their skilled Engineer once in three months as a routine and as and when required by the FCI Depot Manager for rectification of any defects, and ensure satisfactory functioning of LWB under the contract. It must be noted that visit on complaint(s) prior to the scheduled visit will not be considered as a quarterly visit.

The bill shall be paid as specified in the MTF on the recommendations & certification of the Depot Manager and on production of service vouchers & Checklist given with this SOP (In original) duly verified by the Depot Manager stating that the contractor has attended to the lorry weighbridge as per terms and conditions of the contract awarded to the firm and that the lorry weighbridge is working satisfactorily.

Following activities must be carried out by the CAMC contractor: -

- 1) **Two coats of anticorrosive and one coat of finished paint on all steel structures & platform after preparation of surface to be applied for protection against corrosion/rust and guide lines marking on the platform should be done within 7 days after issue of work commencement letter.**
- 2) It should be ascertained that all the seals are intact on the Digitizer, the junction box and other equipment wherever the seal from legal metrological inspector is placed. Any deviation may be intimated to the concerned Manager (D).
- 3) On every scheduled visit, technician of the contractor should carry out preventive maintenance of all the related equipment & clean all the parts like load cells, UPS, Printer, CPU, stabilizer, batteries etc.
- 4) LWBs must be integrated with DOS (Depot Online System) using API for the data to be captured online.
- 5) LWBs are to be kept operational at all times and annually stamped by the respective state's Legal Metrology Department, ensuring that the same is done before the due date.
- 6) The LWB should be tested and certified once in a quarter by the following method jointly by Manager (Depot) & the CAMC Contractor or their technical representative: -

**Step 1:** Weighing by standard weights of 500 kg for 30 MT/40 MT capacity LWB and 1000 kg for 60 MT capacity LWB and then gradually increasing by 500 kg or 1000 kg (as

the case may be) up to the available weight at corner-1, corner-2, corner-3, corner-4 and center of the platform.

**Step 2:** Weighing a tare truck placed on the platform, and then following the process as mentioned in Step 1 placing weight stone at corner-1, corner-2, corner-3 and corner-4 with the tare truck being on the platform.

**Step 3:** Weighing a loaded truck placed on the platform, and then following the process as mentioned in Step 1 placing weight stone at corner-1, corner-2, corner-3 and corner-4 with the loaded truck being on the platform.

- 7) Complaint & Maintenance register to be maintained in the LWB cabin and availability of complaint register to be displayed inside / outside the cabin. Details of the maintenance activity carried out by the CAMC Contractor or their technical representative should be entered into and counter-signed by Manager (Depot) in the Maintenance register.
- 8) Jumbo Display should be kept invariably in working condition and visible to the respective truck drivers and other stakeholders in order to ensure transparency.
- 9) It should be made sure that the yellow marking straps are visible on platform and if not visible, the same should be reprinted.
- 10) Inspection of the flooring below the LWB platform should be carried out at every visit so as to ensure that, no wild vegetation or any other foreign material is in physical contact with the platform, load cell, girder etc.
- 11) The LWB platform should be made mud-free / rust-free by water servicing / using kerosene (as per the case) and proper cleaning of the same.
- 12) The load cell alignment should be checked and the load cells should be cleaned properly to ensure accurate reading. If the weighing mechanism is of cup-and-ball type, proper greasing is to be provided.
- 13) Regularly (During quarterly visit) check the condition of the battery i.e. keep the battery terminals clean and ensure proper electrolyte level by adding filtered water as and when required. Similarly, care should be taken to maintain the equipment as clean as possible since the ingress of dust particles is harmful for the electronic components.

**CHECK LIST FOR CAMC OF 60 MT LORRY WEIGHBRIDGE FOR THE QUARTER FROM DATE \_\_\_\_\_  
TO DATE \_\_\_\_\_ AT FSD MEENANGADI**

Sr. No.	Activity	Duration	Yes / No
1.	Two coats of anticorrosive and one coat of finished paint on all steel structures & platform after preparation of surface to be applied for protection against corrosion/rust and guide lines marking on the platform should be done within 7 days after issue of work commencement letter.	Once in a year	
2.	Ascertained that all the seals are intact on the Digitizer, the junction box and other equipment wherever the seal from legal metrological inspector is placed.	All visits	
3.	Carry out preventive maintenance of all the related equipment & clean all the parts like load cells, UPS, Printer, CPU, stabilizer, batteries etc.	During quarterly visit and on complaint	
4.	LWBs integrated with DOS (Depot Online System) using API for the data to be captured online.	All Visits	
5.	LWB is kept operational at all times and annually stamped by the respective state's Legal Metrology Department.	All visits	
6.	The LWB tested and certified by the method given in SOP jointly by WB in-charge, Manager (Depot) & the CAMC Contractor or their technical representative.	Scheduled quarterly visits	
7.	Repairs and maintenance register as per SOP.	Every hazards / visits	
8.	Jumbo Display is kept in working condition	All visits	
9.	Yellow marking straps are visible	Scheduled quarterly visits	
10.	Inspection of flooring below the LWB platform as per SOP	All visits	
11.	The LWB platform made mud-free / rust-free by water servicing / using kerosene (as per the case) and proper cleaning of the same.	Scheduled quarterly visits	
12.	The load cell alignment checked and the load cells are cleaned properly to ensure accurate reading. If the weighing mechanism is of cup-and-ball type, proper greasing is provided.	Scheduled quarterly visits	
13.	Checked the condition of the battery i.e. kept the battery terminals clean and ensure proper electrolyte level by adding filtered water.	All visits	
14.	Anti-skid strips on platform are in position. If not, same has re-welded by the contractor.	All visits	