

# TECHNICAL SPECIFICATION

## Electronic Truck Scale

1. Purpose :- To Weigh Truck
2. Drawing (provide by Supplier) :-
  - A. Civil Drawing :- To provided by supplier
  - B. Earthing Drawing :- To provided by supplier
  - C. Electrical Drawing :- To provided by supplier

### MECHANICAL STRUCTURE DETAILS:-

Sr. No.	REQUIREMENT	SCOPE
1	Capacity	100 Ton
2	Platform Size	18 x 3 Mtr.
3	Accuracy	10 Kg
4	Type of Weighbridge	Fully Electronic "PITLESS Type Weighbridge"
5	Type of Platform	Steel Fabricated, Painted with two coats of Primer & one coat of finish paint
6	Platform Details	Mild Steel Structure
7	Overload Capacity	120%
8	Ultimate Overload Capacity	150%
9	Calibration & Testing	Expert Technician with the help of necessary Standard weights & unskilled labor, Hydra or Crane. All corner of weighbridge will be check & test by Standard weights
10	Government Stamping	On completion of all over formality of weighbridge installation & Testing, Dept. of W&M Inspector to check weighbridge with help of standard weights then after successfully inspection of weighbridge required Stamping Certificate to be issued and to valid up to 1 Year.

### POWER SUPPLY:-

### TERMINAL SYSTEMS:-

SR. NO.	REQUIREMENT	SCOPE
1	Rated Voltage	230 V , 50 Hz
2	Permissible Variation	Yes
	a. Voltage : $\pm 10\%$	
	b. Frequency : $\pm 10\%$	
	c. Waveform distortion : 5%	
	d. Phase unbalance : 2%	
3	System neutral :- Solidly Ground	Yes

### Standard Software Features:-

- Operating Method : Operator Prompting & Menu Based User Friendly operating
- Number of Records (Storage) : 5000 Completed/Incomplete Transactions. (In Standard Configuration)
- Type of Reports : Date-wise/Truck-Wise Complete/In-complete Weighment.
- Format of Report : Serial No./Key No., Truck No., Gross Weight, Tare Weight, Net Weight and Material Etc.

Weighment Slip Details : Weighment Slip Contains Serial No., Key No., Truck No., Material/Party Name, Date, Time, Gross/Tare/Net Weight Etc.  
Re-Print Facility : Duplicate Slip printing facility is required.  
Manual Tare Entry : Facility of Manual Tare Entry is Required.

ELECTRONIC PC BASE SYSTEMS COMPUTER along Battery backup is required for operation with a printer and to suit the rugged industrial conditions.

Standard print out should include following:

- Time, date, year and Serial No.
- Gross Weight, Tare Weight and Net Weight.
- Automatic calculation and printing of Net Weight.
- Truck number.
- Material in Truck.
- Driver IN/OUT.
- Bill No. /Challan No. with date.
- Supplier / customers name and address.

The contract includes supply, supervision of installation and commissioning of supplied Electronic Weigh-bridge inclusive of structure, electronics, load cells, interconnecting cables, testing and calibration of the system, operational training of local people etc except Civil works.

#### QUALITY ASSURANCE PLAN:

Supplier shall furnish a detailed inspection plan indicating various stages of inspection. Stage shall also include the testing of the Weigh-bridge for its rating.

#### DATA REQUIRED FROM SUPPLIER

#### WITHIN 2 DAYS OF PLACEMENT OF ORDER:

- All Civil construction drawing for foundation and other connected works

Erection & Commissioning : The erection and commissioning of the weigh bridge shall be done by the supplier at Customer site with unloaded and full loaded extreme safety conditions. The complete requirement for testing should be furnished in bid offer. A commissioning certificate to be issued after successful commissioning and prove out of the system.

Guarantee : supplier should furnish all loading safety certificates before supplying the weigh bridge. Weigh bridge will be subjected to cover a complete Guarantee against any malfunctioning for one year from the date of Commissioning.

Copy of license from Govt. Of India to manufacture Weigh Bridge to be produced at the time compilation of Installation.