



Indian Standard

DATA SHEET FOR SELECTION OF WEIGH-BRIDGES FOR BULK HANDLING EQUIPMENT

1. Scope — Lays down the data required for selection of weigh-bridges for weighing bulk handling equipment.

2. Data Sheet

2.1 Application and Site Data

- a) Applicable to Proposal Purchase As built Date
- b) Service
- c) Duty
- d) Type
- e) Manufacturer
- f) Site conditions:
 - 1) Surroundings
 - 2) Relative humidity, Max at °C percent
 - 3) Temperature °C
- g) Available power supply: Voltage V, Phase, Frequency

2.2 Material Handled Data

- a) Material
- b) Average size mm
- c) Moisture content percent
- d) Maximum temperature °C
- e) Abrasiveness

2.3 Technical Specification

- a) *Wagon data*
 - 1) Type
 - 2) Number
 - 3) Capacity (gross), t
 - 4) Dimensions mm
 - 5) Rails: Gauge mm, Size
- b) *Weigh-bridge data:*
 - 1) Rated capacity t
 - 2) Accuracy ± percent
 - 3) Overall size of platform, Length mm; Width mm
 - 4) Weight kg
 - 5) Manufacturer Drg No.

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- 6) Integrated with tippler
- 7) Dial indicator
 - i) Type
 - ii) Nominal dial diameter mm
 - iii) Graduation reading line diameter mm
 - iv) Particulars

(Note — Indicate whether dial has single step graduation or in steps.)

- 8) Totalizer:
 - i) Type
 - ii) Particulars
- 9) Recorder:
 - i) Type
 - ii) Particulars

- c) Wagon weighed while Moving/Stationary
- d) Allowable speed of wagon
- e) Shock absorber for arresting pointer vibration Provided/Not provided or
Required/Not Required
- f) Load per axle of main line loco that can pass, *Max* tonnes
- g) Speed of main line loco, *Max* km/h
- h) Does the weigh-bridge conform to IS:1432*/IS:1436†/IS:1437‡ and Weights and Measures Act? Yes/No
- j) Inspection, testing and approval of weigh-bridge after erection from Directorate of Weights and Measures Required/Not Required
- k) Approval to be obtained by Supplier/Purchaser
- m) Enclosure Fully enclosed/Not enclosed
- n) Statutory requirements

2.4 Material of Construction

2.5 Special Features

2.6 Remarks

EXPLANATORY NOTE

This Indian Standard lays down the data required for the selection of weigh-bridges for bulk handling equipment. This data sheet may be used by manufacturers for giving details of the equipment being manufactured by them. This data sheet may also be used by purchaser to collect information from manufacturers to enable him to make a proper selection of weigh-bridges for his use.

*IS : 1432-1959 General requirements for weighing instruments.

†IS : 1436-1960 Specification for weigh-bridges.

‡IS : 1437-1967 Specification for automatic weighing machines.