Minutes of Weighbridge Specification Meeting held in Railway Board in the chamber of ED(Dev.) on 16.2.2005

Present:

Indian Railways

Min of Consumer Affairs (FPD)

Weighbridge Suppliers.

1. Shri V K Pabby, Exec.Dir (Dev.), Rly.Bd
   1. Sh. P.A. Krishnamurthy, Director(Legal Metrology)

2. Shri S.N. Yadav, Exec.Director (Wagon), RDSO ,Lucknow
   2. Sh.R. Mathrubootham, Dy.Dir.(Legal Metrology)

1. Sh H.K. Vaish,GM/R&D Avery India Ltd.
2. Sh P K Malik, A IL
3. Sh.A. Sharma, AIL

In order to overcome the difficulties being faced in implementation of RDSO Specification No. WD-29-Misc-04 and to make it in line with recommendation of OIML – Organisation Internationale De Metrologie Legale and GOI Gazette Notification No.381 of July 25th 2001, a meeting was held between Indian Railways, Ministry of Consumer Affairs, Deptt. of Legal Metrology and Weighbridge suppliers (OEMs). The following decisions were taken:-

1. As per GOI Gazette Notification No.381 dated July 25th 2001, a minimum of 500 meter rail length shall be available on the gradient not more than 1:400 on either side of the weighbridge. It was decided to have at least 100 Meter track on both sides of the in-motion weighbridge on the gradient not more than 1:400 on either side.

2. Speed of the train on the in-motion weighbridge in non-weigh mode, is not a part of OIML/Gazette Notification. As such, clause 3.1.3 of RDSO Specification should be deleted to avoid confusion.

3. Clauses 3.1.4 & 6.1.4 of RDSO specification be deleted as it pertains to weighment in static mode for which separate conditions of static weighbridge apply.

4. Weighing increment in clause 3.10 of RDSO specification will be 100 Kg max. uniformly for all 15 Kmph in-motion weighbridges.

5. Regarding Roll Back effect during testing, clauses 3.4 and 6.2.9 of RDSO specification will stand.

6. Simulation test/Performance test/Span Stability test and Annexure “A” of OIML are meant for manufacturer of in-motion weighbridge at the time of pattern approval by Deptt. of Legal Metrology.
7. The accuracy level in RDSO specification and the method of calculation should be in line with the GOI Gazette Notification No 381 dt. July, 25th 2001 and OIML recommendations.

8. The frequency of calibration of weighbridges is normally once a year being enforced by the Re-verification Enforcement Officers of Deptt. of Legal Metrology, Ministry of Consumer Affairs (FPD).

9. In-motion tests in coupled wagons should be in line with OIML recommendations and clause 6.2 of RDSO should be modified as under:-

"Verification of weighbridge, initial and in service, shall be carried out using a test train of loaded reference wagons. Each test train shall comprise not less than 5 and not more than 15 reference wagons and shall be weighed repeatedly and in each direction (if applicable) to yield not less than 60 wagon weighs or equivalent in total train weights".

10. Clauses 6.2.4 & 6.2.10 of RDSO specification pertaining to erratic reading and change in speed being more than 3 kmph in continuous wagon consists should be deleted.

11. Regarding clause 6.2.12 of RDSO specification, it is to clarify that the reference wagons for verification purposes should be made available by the railways and this clause should be modified deleting the verification with the static weights as the same is not applicable for the in-motion weighbridges.

12. 40 kmph weighbridge is still in trial stage and specification for the same, when required, be drawn separately by RDSO.

13. The current Specification No. WD-29-Misc-04 should be suitably modified as mentioned above to cater for 15 kmph electronic in-motion weighbridge only. The specification should be in line with OIML latest issue & GOI Gazette Notification No.381 dated July, 25th 2001.

No. 2004/Dev.Cell / IDEI/3
Circulation:
1. Shri P.A. Krishnamurthy, Director (Legal Metrology), Ministry of Consumer Affairs (F&PD), Deptt. of Consumer Affairs, Directorate of Weights & Measures, Krishi Bhavan, New Delhi – 110 00 1
2. Shri S.N. Yadav, Exe.Director (Wagon), RDSO, Lucknow for n.a.
3. M/s. Avery India Ltd., Plot No.50-59, Sector 59, Ballabagarh-121 004.

(V.K-Pabby)
Executive Director (Dev.)

dt./2.4.2005