भारत सरकार GOVERNMENT OF INDIA

रेल मंत्रालय M 87INISTRY OF RAILWAYS

(रेलवे बोर्ड RAILW AY BOARD)

No: 2017/M(N)/570/81 New Delhi, Dated: 20.02.2018

General Managers

All Zonal Railways

Sub: Surprise Checks conducted by CBI at Railway Electronic In-Motion Weighbridges (EIMWBs) of SECR

Ref: RDSO's letter No. MW/CS/PEWB dated 07.12.2017 (copy enclosed)

Please refer to above mentioned letter wherein RDSO has advised that clause 3.11 of new RDSO specification WD-29-MISC-14 (applicable since 01.04.2016) has been modified with provisions of tamper proofing for implementation on all EIMWBs at the Zonal Railway level. RDSO has advised Zonal Railways to implement the subject modifications on all EIMWBs by issuing appropriate guidelines.

Zonal Railways are advised to ensure that the weighbridges available in their systems, both Railway owned and Privately owned are upgraded to meet the requirement advised by RDSO to comply with Clause 3.11 of EIMWB specification. The cost of the conversion should be taken care of at the Zonal Railway w.r.t. reasonableness and justification for the Railway owned weighbridges.

DA: As above

(Ajay Nandan)
Exe. Director Mech. Engg. (Frt.)
Railway Board

Copy to:

1. ED/S/Wagon, RDSO, Lucknow- for kind information
2. EDTC/R , EDFM- for kind information

अआसं/RDSO
रेल अमृत Transforming Railways
फैक्स / Fax : 91-0522-2452494
टेलीफोन / Tele: 0522- 2465776
weighbridge.general.rdso@gmail.com

सत्यमेव जयते

भारत सरकार –रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ – 226011
Government of India - Ministry of Railways
Research Designs & Standards Organisation
Lucknow – 226011

No. MW/CS/PEWB

Dated: 07.12.2017

1. **Chief Mechanical Engineer**
   - i. Central Railway, CST, Mumbai-400 001 **(Fax- 022-22620210)**
   - ii. Eastern Railway, Fairlie Place, Kolkata-700 001 **(Fax- 033-22305641)**
   - iii. East Central Railway, Hajipur, Bihar 844 101 **(Fax- 06224-273615)**
   - iv. East Coast Railway, Railway Complex, Bhubaneswar, Orissa-751 023 **(Fax- 0674-2303530)**
   - v. Northern Railway, Baroda House, New Delhi-110 001 **(Fax- 011-23387114)**
   - vi. North Central Railway, Allahabad.-211 001 **(Fax- 0532-2435003)**
   - vii. North Western Railway, Jaipur-302 006 **(Fax- 0141-2725895)**
   - viii. North Eastern Railway, Gorakhpur-273 012 **(Fax- 0551-2200033)**
   - ix. Southern Railway, Park Town, Chennai-600 003 **(Fax- 044-25351162)**
   - x. South Central Railway, Secunderabad-500 071 **(Fax- 040-27822272)**
   - xi. South Eastern Railway, Garden Reach, Kolkata-700 043 **(Fax- 033-24393407)**
   - xii. South East Central Railway, R.E. Complex, Bilaspur – 495 004 **(Fax- 07752-247158)**
   - xiii. South Western Railway, Hubli – 580 023 **(Fax- 0836-2289840)**
   - xiv. Northeast Frontier Railway, Maligaon, Guwahati-781 011 **(Fax- 0361-2676181)**
   - xv. Western Railway, Churchgate, Mumbai-400 020 **(Fax- 022-22093226)**
   - xvi. West Central Railway, Jabalpur-482 001 **(Fax- 0761-2677634)**
2. CME/COFMOW, Railway Offices Complex, Tilak Bridge, New Delhi- 110001.
3. CME/Konkan Railway Corp. Sector-11, CBD Belapur, Navi Mumbai-400614.

Sub: Surprise checks conducted by CBI at Railway Electronic In-Motion Weighbridges (EIMWBs) of SECR.
Ref.: Railway Board's letter no. 2017/M(N)/570/81 dated 29-11-2017.

In reference to above, for tamper proof or to plug the loopholes of EIMWBs; clause no. 3.11 of new RDSO specification WD-29-MISC-14 (applicable since 01-04-2016) was modified with following provisions which is to be implemented on all EIMWBs at the Zonal Railways level:

"3.11 Tamper Proof: The junction Boxes, Hardware cabin etc. should have the arrangement of bolting/ locking to prevent it being tampered by unauthorized persons. Moreover, junction boxes, hardware cabins must be moisture and dust proof. The sub-assemblies/ assemblies, alteration of which can lead to erroneous weighments should be made as tamper proof as feasible. Arrangement must be within control console to ensure that logging details at the time of calibration are recorded and can be verified.

i. During calibration, PC must be disconnected. Track logic must not be implemented in PC and weighing electronics must work independently without PC which will avoid weight manipulation in PC.
ii. Calibration and adjustment of weight to be through hard ware switch, soft key or key board linked with digitizer.
iii. The calibration mode shall be disabled through hardware jumper /dip switch in the electronics card which should not be accessible after sealing of digitizer.
iv. Calibration through CPU is not acceptable.
v. If calibration mode switch has been provided with console then the Calibration mode switch must be inside the digitizer which is properly sealed after calibration."

The above modifications on all EIMWBs should be implemented on the Zonal Railways by issuing appropriate guidelines. In view of above, it is requested that the action taken to mitigate the susceptibility both for new procurement as well as existing installations may please be advised directly to EDME/Freight, Railway Board, New Delhi, under intimation to this office.

D.A.: NIL.

(Sanjay Kumar)
Exe. Director/Wagon

Copy to: EDME/Freight, Rail Bhawan, Railway Board, New Delhi – 110001.

Railway Board
19 DEC 2017