

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

No.TC-I/2020/108/efile/1(3323287)

New Delhi, dt.20.09.2024

Pr. Chief Commercial Manager
All Zonal Railways

Sub: Integration of EIMWBs with FOIS - Hosting of application software of EIMWB OEMs on Railway Cloud Server

Ref: Board's letter No.TC-I/2020/108/efile/1 (3323287/3323065) dt.22.09.2022

Please refer to Board's letter under reference regarding hosting of application software of EIMWB OEMs on Railway Cloud Server.

FOIS has informed that hosting of application software of EIMWB OEMs on Railway Cloud Server has not been implemented by most of the vendors. Copy of minutes of the meeting with vendors, conducted by FOIS, is enclosed herewith.

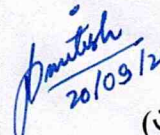
In this regard, guidelines prescribed vide Board's letter under reference are reiterated, as under:

"Commercial Department of Zonal Railways are requested to advise all private EIMWB owners to coordinate with OEMs of EIMWBs for rolling out this system of access to OEM application software of the EIMWBs. CRIS/FOIS and Mechanical Department of concerned Zonal Railway(in coordination with RDSO) will provide requisite assistance in this regard".

DA: as above

Copy to:

- **Pr. Chief Mechanical Engineer**, All Zonal Railways
- **EDME/Frt**, Railway Board
- **CAO/FOIS, GM(FOIS)/CRIS**


20/09/24
(अमितेश आनंद)
संयुक्त निदेशक यातायात वाणिज्य (दर)
रेलवे बोर्ड



NORTHERN RAILWAY
FREIGHT OPERATIONS INFORMATION SYSTEM
Office of the CAO/FOIS, CRIS Complex, Chanakyapuri, New Delhi-21

No. CAO/FOIS/63/Integration/ EIMWB/Rail Cloud

Dated 13.09.2024

Executive Director Traffic Commercial (Rates)
Ministry of Railways
Railway Board
New Delhi.

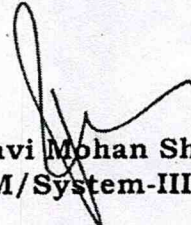
Sub: Meeting with authorized vendors regarding Hosting of OEM application software on Railway Cloud Server.

Ref: i). Minutes of Meeting held on 12.08.2022 at Railway Board issued by EDME/Freight letter no. 2017/M(N)/570/82 (E 3323065) dated 17.08.2022

ii). This office letter of even no. dated 30.08.2024

A copy of the minutes of the meeting held on 11.09.2024 in CAO/System/NR office on the above mentioned subject is enclosed herewith for Railway Board's kind information and necessary action at Railway Board level.

Da: As Above


Ravi Mohan Sharma)
Dy.CPM/System-III/FOIS

Copy to: GM/FOIS/CRIS for kind information and necessary action please:

Mahesh,
M. link file

FREIGHT OPERATIONS INFORMATION SYSTEM (FOIS)
OFFICE OF THE CHIEF ADMINISTRATIVE OFFICER/System
CHANAKYA PURI, NEW DELHI - 110021

Minutes of meetings held on 11.09.2024 at CAO/System/NR office with authorized weighbridge vendors and CRIS team regarding hosting of OEM application software of weighbridge on Railway Cloud Server and various issues.

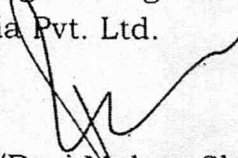
During the meeting following issues were discussed and decision taken as applicable:

- I. Dy.CPM/FOIS gave a brief introduction about the project and progress of the shifting of OEMs of various vendors on Railway cloud server (Details is as per Annex-A).
- II. Currently only one vendor M/S Rice lake has implemented the cloud based weighment software at Railway weighbridges only. (Details is attached). Instruction were given to all vendors to complete atleast all Railway weighbridge location till 31st October 2024.
- III. For the private weighbridges the vendors are raising cost of shifting of their application on Railway Cloud Server (the cost of developing the application will be raised from the private weighbridges). It is mentioned that private sidings are reluctant to pay them the said charges. As per the letter issued by Railway Board vide letter no. TC-I/2020/108/efile/1(3323287/3323065) dated 22.09.2022 the weighbridges need to be shifted. In this regard the necessary detailed instructions may kindly be issued by Railway Board.
- IV. As per the letter issued by Railway Board (as per mentioned in point no. III), Sr. DCMs & Sr. DMEs need to coordinate for shifting the weighbridges application on cloud server at the earliest. In this regard Railway Board is requested to issue the detailed instructions.
- V. CRIS instructed to all vendors to install Zabbix Agent on their VMs for better security at the server level.
- VI. Long Haul rakes weighment- as per Railway Board's instruction, CRIS has provided technical support to all vendors to make testing for weighment of long haul rake.

- VII. Instructions were given to all vendors to replace normal PCs with thin-client system but vendor raised issue for costing of thin client, Railway Board needs to clarify this issue in consultation with RDSO.
- VIII. A time line is given to all vendor with their assurance to complete the shifting of their OEMs on Railway Cloud Server on all Railway weighbridges till 31st October 2024.

List of Participant:

1. Sh. Ravi Mohan Sharma – Dy.CPM/System-III
2. Smt. Shilpi Bishnoi- GM/FOIS
3. Sh. Amit Srivastava – PPE/FOIS/CRIS
4. Smt. Meenu Mehta – PPE/FOIS/CRIS
5. Mr. S.C.Mohapatra – M/s Rice Lake Weighing Systems India Ltd.
6. Mr. Aijaz Ahmad- M/s Digital weighing system Pvt. Ltd.
7. Mr. Abhishek – M/s Digital weighing system Pvt. Ltd.
8. Mr. Manish – M/s Schenck process India Pvt. Ltd.
9. Mr. Vijay Kumar G – M/s Schenck process India Pvt. Ltd.
10. Mr. Sharad Sharma – M/s ESSAE Digitronics Pvt. Ltd.
11. Mr. Sanjay Singh- M/s Avery India Ltd.
12. Mr. Vishal Shekher – M/s Avery India Ltd.
13. Mr. E.Suresh – M/s Pragati Instrumentation Pvt. Ltd.
14. Mr. P.Panda – M/s Pragati Instrumentation Pvt. Ltd.
15. Mr. A.Pati –M/s Pragati Instrumentation Pvt. Ltd.
16. Mr. S. Rajmohan – M/s Merit BMH Engineering Pvt. Ltd.
17. Mr. K RamnarayanBabu – M/s Merit BMH Engineering Pvt. Ltd.
18. Mr. Arun Kumar Garg - M/s Weightrack India Pvt. Ltd.


(Ravi Mohan Sharma)
Dy.CPM/System-III
O/o CAO/System/NR

File No. CAO/FOIS/63 Integration/EIMWB/Rail Cloud Dated 12.09.2024

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

Matter Most Important

No: TC-I/2020/108/efile/I(3323287/3323065)

New Delhi, Dated: 22.09.2022

Pr. Chief Commercial Manager
All Zonal Railways

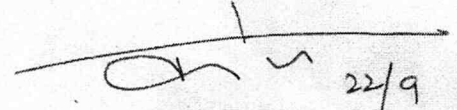
**Sub: Integration of EIMWBs with FOIS - Hosting of application software of
EIMWB OEMs on Railway cloud server**

Ref: 2017/M(N)/570/82 (E 3323065) dt.17.08.2022

It has been decided that application software of EIMWB OEMs is to be hosted on central server of CRIS, through terminal server. Hosting of application software of one of the OEMs of EIMWBs, M/s Rice Lake, has been successfully tested and deployed in one of the Divisions of Indian Railways. Other OEMs have also been advised to take necessary action for hosting of application software of EIMWBs on central server of CRIS. Copy of the minutes of meeting circulated by Mechanical Dte is enclosed herewith.

In view of above, Commercial Department of Zonal Railways are requested to advise all private EIMWB owners to coordinate with OEMs of EIMWBs for rolling out this system of access to OEM application software of the EIMWBs. CRIS/FOIS and Mechanical Department of concerned Zonal Railway (*in coordination with RDSO*) will provide requisite assistance in this regard.

This issues in consultation with Mechanical Dte of Railway Board.



(Barjesh Dharmani)

Exec. Dir. Traffic Commercial (Rates)

Railway Board

Telephone No. 011-23382868

Email: edtcr@rb.railnet.gov.in

Copy to

Pr. Chief Mechanical Engineer, All Zonal Railways
EDME/Frt, Railway Board

**Minutes of Meeting held on 12.08.2022 at Railway Board on
"Hosting of OEM application software of EIMWB on Railway Cloud server"**

Present:

CRB&CEO	EDTT(F)	EDTC/R	EDME/Freight	DME(Frt.)
GM/FOIS/CRIS	CPM/FOIS	Dy. CPM/FOIS	Director/Wagon/RDSO	

Review meeting on the project "Hosting of Application software of EIMWBs OEM on Railway Cloud server" was held on 12.08.2022 at Railway Board. During the meeting, following issues were discussed and decisions taken, as applicable:

1. In the last Meeting held on 7th July'22, it was decided to do trial for access to OEM application hosted on central server through Terminal Server. After Some initial hiccups faced during the process and several consultations with all stakeholders, weighment of 11 rakes successfully done till 11th Aug'22 by access to OEM application through terminal server at MIDH in CKP division of SER. Normal access through FOIS discontinued at this location. With this system of access, security concerns as visualized now due to exposure of port no. 445 in the earlier system of access, have been taken care of.
2. Now, RDSO & CRIS should proactively associate with the firm to roll out this system of access to OEM application software on its Railway owned EIMWBs. A google spreadsheet may be created to monitor the progress of rolling out (RDSO & CRIS).
3. Necessary instructions to be issued by Board to Owners of private EIMWBs for approaching the OEM of EIMWBs for faster implementation of modified system of access to weighment application software on its sites (EDTC/R).
4. RDSO and CRIS to issue a joint technical protocol as guidelines to the remaining 07 OEMs to modify their application software of weighment compatible with hosting on Railway Cloud (RDSO & CRIS). Accordingly, necessary instructions to be issued to other seven OEMs (RDSO).
5. Process of modification of specification of EIMWBs based on the above-system of access to OEM application software may also be undertaken (RDSO).
6. Also, replacement of normal Desktop PCs with Thin Client system may be taken up with OEMs after roll out of system mentioned in point no.1 above (RDSO).

7. Rollout plan: -

Activity	PDC	By
Roll out of hosting of application software of M/s Ricklake on Central Server in all 63 Railway owned EIMWBs	31 st Oct'22	M/s Ricelake RDSO CRIS
Roll out of hosting of application software of M/s Ricelake on Central Server in all 113 Privately owned EIMWBs	30 th Nov'22	M/s Ricelake CRIS EDTC/R
Modification of software by other OEMs and Field trial	31 st Oct'22	Other OEMs CRIS RDSO
Roll out of hosting of application software of other OEMs on Central Server in all Railway owned EIMWBs	31 st Dec'22	Other OEMs CRIS RDSO
Roll out of hosting of application software of other OEMs on Central Server in all Privately owned EIMWBs	31 st Mar'23	Other OEMs CRIS EDTC/R

8. Trial for one firm done of digitally locked digitizer at Chapa/BSP was not found satisfactory. Another firm, has also developed the digitally locked digitizer for which trial is expected by end of Aug'22. To be closely monitored (RDSO).
9. Cost of infrastructural requirement and recurring cost has been communicated by Railway Board to NR. However, further action in the matter has not yet been taken, to be sorted out (ED/C&IS).
10. All Zonal Railways to be advised to ensure that all test trains have standard test weights, to be ensured by 30th Nov'22 (EDME/Freight).
11. Provision to be made in FOIS for posting details of EIMWBs not working along with the reason for the same, both Railway and Privately owned, and daily report of the status to be shared with concerned through FOIS web-report. (CRIS).
12. It was also reported that 33 EIMWBs are awaiting testing and 17 weighbridges are yet to become live after testing, although these are already integrated with FOIS. Zonal Railways are to be advised to expedite the commissioning of these weighbridges (EDTC/R).

**VINAY KUMAR
AGARWAL**

(V.K. Agarwal)
EDME/Freight/Railway Board

Digitally signed by VINAY KUMAR AGARWAL;
DN: c=IN, o=MINISTRY OF RAILWAYS,
2.5.4.20=Office of the Director General of
60229ee238b4905602, ou=MINISTRY OF RAILWAYS, CN=
68C1496, postalCode=110001, st=Delhi,
serialNumber=bc001fab881d2492249c35c27728a77780c7
8da494815b2de76da5a573a02, email=VINAY KUMAR AGARWAL
Date: 2022.08.17 16:05:09 +05'30'

File No. 2017/M(N)/570/82 (E 3323065)

Dated: 17th Aug'22

Copy to: GM/NR, DG/RDSO, AM (C), MD/CRIS, CAO/FOIS, EDTT (F), EDCC,
EDTC/R, ED/Signal (Dev), EDF (C&PPP) & ED/Wagon/RDSO

File No.RDSO-MW0CS(WB)/1/2020-O/o PED/SW/RDSO

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टेलीफोन/Tele: 0522- 2465774
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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: 23-11-2021

1. M/s Avery India Ltd., Plot nos. 50-59, Sector -25, Ballabgarh, Haryana-121004.
2. M/s Digital Weighing Systems (P) Ltd., Plot No.1, PI B&C P2, Industrial Area, TIFRA, Bilaspur-495223.
3. M/s Rice Lake Weighing Systems India Ltd., (Formerly Strategic Weighing Systems Ltd.), No.: A-27/1, Sipcot Growth Centre, Mathur Village & Post, Oragadam, Sriperumpudur Taluk, Tamilnadu-602105.
4. M/s Essae Digitronics Pvt. Ltd, Plot No. 34 & 35, Bommasandra Industrial Area, Anekal Taluk, Bangalore - 560099.
5. M/s Schenck Process India Limited, Plot No. 67-82, Tupudana Industrial Area (New), Hatia, Ranchi- 834003.
6. M/s Merit Engineering Pvt. Ltd., E1, TVK Industrial Estate, Guindy, Chennai-600032.
7. M/s Pragati Instrumentation (P) Ltd., Kedar Das Nagar, Gurudwara Road, Chas-827013, Dist-Bokaro, Jharkhand.
8. M/s Weightrack India Pvt. Ltd., Plot No.623 (P), Hanspal, Near Puri Canal, Bhubaneshwar-752101, Odisha.

Sub: Non Weighment of rakes having WAG12 locomotives at existing EIMWBs.

Ref: This office letter no. MW/CS/PEWB dated 15.03.2021 & 01.07.2021.

Vide reference above, OEMs had been advised to take necessary action to eliminate WAG 12 locomotive so that the freight rakes having WAG12 locomotives can be weighed properly and online data can be transferred to FOIS server without any tempering.

Similarly, it was also advised to make necessary provision in the application software so that Long Haul rakes with separate Rake IDs can be weighed and separate RR can be generated. CRIS has been asked to make necessary provision in the FOIS to incorporate the same. OEMs were asked to keep their module ready so that whenever CRIS makes the necessary provision in FOIS, OEMs should be in position to execute it immediately. But no confirmation about readiness of module is received from OEMs.

It is also worth to mention that above issues have also been incorporated in the revised specification of Weighbridge WD-29-MISC-19 Rev 1.

Therefore, OEMs are directed to take immediate action to resolve the issues at all Electronic In-Motion Weighbridge locations within 30 Days.

A Google sheet is also being shared for monitoring its progress. You are directed to fill this sheet on regular basis till the above is completed.

This should be treated very urgent & competent staff must be deputed on field immediately to address the issues.

Digitally Signed by Anand
Rishi Srivastava
(Anand Rishi Srivastava)
Date: 23-11-2021 13:04:56
Jt. Director/Wagon
Reason: Approved
For Director General/Wagon

Check List	VENDORS							
	1	2	3	4	5	6	7	8
	M/s Ricelake	M/s Essae	M/s Digital	M/s Schenck	M/s Avery India	M/s Weightrak	M/s Merit BMH	M/s Pragati
H/W Requirements Received from Vendor	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
VMs configured on CRIS cloud	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
T&D Setup by Vendor	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
Lab Testing	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
VPN Docs/Stamp Paper	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
VPN Provided	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
VPN Tested	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
Field Testing	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
Production VM Requirement from Vendor	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
Production VM Created and Access Provided	Completed	Completed	Completed	Awaited (V)	Completed	Completed	Completed	Completed
VPN for Production Provided to Vendor and Tested	Completed	Completed	Completed	Awaited (V)	Completed	Completed	Completed	Completed
Application deployment on Production VM	Completed	In Progress	Completed	Awaited (V)	Completed	Completed	Completed	Awaited (V)
Field Implementation on Production System	Completed	Awaited (V)	In Progress (Hit Received with "N")	Awaited (V)	In Progress	Awaited (V)	Completed	Awaited (V)
REMARKS	Under Rollout	VPN for Production and VMs provided and Tested Deployment and testing are in progress by the vendor.	Waiting Approval from RDSO to Rollout.	MDAH & UTM Nominated by RDSO as Test Site and likely to be done on 01/02/2024 as per communication. testing stuck due to RD license error, Vendor need to install license on site.	VPN for Production and VMs provided and Tested Deployment and testing are in progress by the vendor.	Deployment on Production awaited	Waiting Approval from RDSO to Rollout.	Production Vms Provided
Total Weighbridge Locations	336	217	246	27	79	57	36	59 ##
Railways Weighbridges	60	55	78	4	9	0	9	35 250
Private Weighbridges	276	162	168	23	70	57	27	24 807
Integrated Railway Weighbridges on CRIS Cloud	60	0	0	0	0	0	0	0 60
Integrated Private Weighbridges on CRIS Cloud	11	0	0	0	0	0	0	0 11
Non-Integrated Weighbridges	265	217	246	27	79	57	36	59 986
Reason for Non-Integration	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	Issue in Private Locations VPN Access required Dual Access Issue	Site Level Issue (PCC Required) in FOIS Data	Sep'24	Licence Issue Sep'24	Sep'24	Sep'24	Sep'24	Sep'24

Date - 02-Apr-2024	MIDH Problem Reported MIDH provided access of Old Application	Mail 17/01/2024 Production VMs provided no communication after that	Production deployments in progress	FIELD TESTING in Progress	Production Deployment will be in Progress	Production Deployment in Progress	Field Testing in Progress	The problem was reported in the mail as a URL mismatch and 3389 port access from the field, mail on date 01/03/2024
Production VMs IP	10.77.36.46 10.77.32.77	10.77.36.77 10.77.36.78 10.77.32.132 10.77.32.133 10.77.40.99	10.77.39.85 10.77.36.86 10.77.32.145 10.77.32.146	10.77.48.131 10.77.56.17 10.77.52.20 Testing	10.77.32.191 10.77.32.192 10.77.40.128 10.77.36.109 10.77.36.110	10.77.32.162 10.77.36.95	10.77.32.157 10.77.32.158 10.77.32.159	10.77.32.193 10.77.36.111
Load Balancer IP	10.60.200.208	10.60.200.210	10.60.200.212 10.60.200.216	10.60.200.214	10.60.200.211 10.60.200.218	10.60.200.215	10.60.200.209 10.60.200.217	10.60.200.213
Zabbix Agent Installation Status	Y		Y	Y	Y		Y	
Contact Person 1, Name	Antony 9942123990	Sreejith 9901903594	Ajaz Ahmed 9329241191	Manish Mohandas 6261745076 8109919794	Sanjay Singh 8760154885 9289707935	Tarique 73810 31719	Rajkumar 87544 53606	Suresh Ekambaram 9894073873
Contact Person 2, Name	Deepak kumar 9955770888	T Ganegadhar 9849128520	Akhil Nath 7828399508	Shrikara M V 9483500904	Akhilesh Pandey 8448193526	Arun Kumar 8984089851	Deepak 9884707966	
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