

EAST COAST RAILWAY

Office of the
Pr.Chief Commercial Manager
1st Floor, Rail Sadan
C.S.Pur, Bhubaneswar-17

Commercial Circular No.191(G)/2025

Date:13.06.2025

Sub: Pilot for Development of "Drone as a service" procured on contract basis for monitoring and detection of uneven loading.

Ref: Railway Board's letter No.TC-I/2025/109/efile/4(3498518) dated 10.06.2025

A copy of Railway Board's letter No. TC-I/2025/109/efile/4(3498518) dated 10.06.2025 regarding Pilot for Development of "Drone as a service" procured on contract basis for monitoring and detection of uneven loading is enclosed herewith for information and necessary action.

All concerned to please note and act accordingly.

Authority: Railway Board's letter No. TC-I/2025/109/efile/4(3498518) dated 10.06.2025

Encl: As above (01 page)

13.06.2025

(G.R.Nayak)

Asst.Commercial Manager (FS)

No.PCCM/ECOR/WB/JPO/443/Pt.II

Date: 13.06.2025

Copy forwarded to:

All Station Managers/ Goods Supervisors/Parcel Supervisors/Commercial Supervisors /Siding Clerks / Booking Clerk in Charges / Weigh Bridge Clerks / Clerk in Charges / Commercial Movement Inspectors.

Copy for information and necessary action to the:-

PCOM: ECoR, **SDGM**/ECoR/BBS, **Chairman**/RCT/BBS, **Dy.CVO(T)**/ECoR/BBS, **PO/RCT**/ECoR/BBS, **Dy.COM(FOIS)**/ECoR/BBS, **PCME**/BBS, **Audit officer**/BBS, **DRM:** KUR,WAT,SBP/ECoR, **Sr.DOM**KUR,WAT,SBP/ECoR, **Sr.DCM:**KUR,WAT/SBP/ECoR, **Dy.CCM(Claims)**/E.Co.Rly, **FA & CAO** :E.Co.Rly , **FA & CAO(T)** / ECoR/BBS, **Traffic Manager:** VZP, Traffic Manager/ Paradeep PortTrust/Paradeep.

13.06.2025

(G.R.Nayak)

Asst.Commercial Manager (FS)



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

No.TC-I/2025/109/cfile/4(3498518)

New Delhi, dt.10.06.2025

General Manager
SER, SECR and SWR

Subject: Pilot for Deployment of "Drone as a service" procured on contract basis for monitoring and detection of uneven loading

With reference to the growing emphasis on safety, efficiency and technological modernization of freight operations, drone-based monitoring has been identified as a viable solution for monitoring of the loading process, to enhance detection and prevention of uneven loading of wagons at the terminals.

Competent Authority in this regard has decided to nominate SER, SECR and SWR to undertake pilots for deploying "Drone as a Service" to be procured on contract basis for real-time surveillance, monitoring and detection of uneven loading at selected terminals.

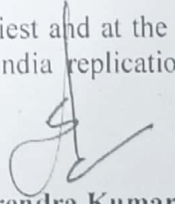
The objective of the Pilot is to monitor load distribution patterns in loaded wagons, provide real-time aerial imagery/load profiling before and enable automated detection of unsafe loading or load imbalance through visual analytics.

The Scope of Work may include but not be limited to the provision of drone-based services for monitoring and detection (through suitable software installed) of uneven loading, deployment of qualified drone operators with appropriate safety certifications, aerial scanning of rakes before dispatch from terminals, real-time transmission of video feed and images and monthly submission of data logs and exception reports.

Other departments have also used Drones for survey of difficult locations.

Zonal Railways shall identify one-two terminals handling substantial traffic and where high incidents of uneven loading are reported. Pilot may be conducted for three months.

Zonal Railways are requested to initiate the process at the earliest and at the end of the pilot, a detailed evaluation report including its feasibility for Pan-India replication may be submitted at the earliest possible.


(Surendra Kumar Ahirwar)
Executive Director, Traffic Commercial(Rates)
Railway Board

Copy to:
GM(Commercial), All Zonal Railways