

Automatic Wagon Identification using Radio Frequency Identification

Pilot project implemented in ECOR in 2008

500 BOBRN wagons tagged; readers placed in Vishakhapatnam, Talcher, and Paradeep



Timeline



Estimates

1	Pilot project	Part of FOIS estimate, implemented in 2008	Rs. 2 crore	500 BOBRN wagons tagged, 3 readers installed in ECOR at a cost of Rs. 89.68 lakh
2	Phase 1	Abstract estimate sanctioned in 2010-11, DE under sanction	Rs. 57.4 crore	Proposed for 25,000 wagons, 134 readers; BOBRN, BTPN, BOYN wagons to be covered

Benefits of Automatic Identification of Wagons using RFID

2,50,000 wagons	1800 loading / unloading points	500 key junctions
Will enable automatic determination of wagon consist: no manual number taking	Will enable automatic identification of wagons for in-motion weighbridges etc.	Will enable automatic identification of wagons for wayside diagnostic systems