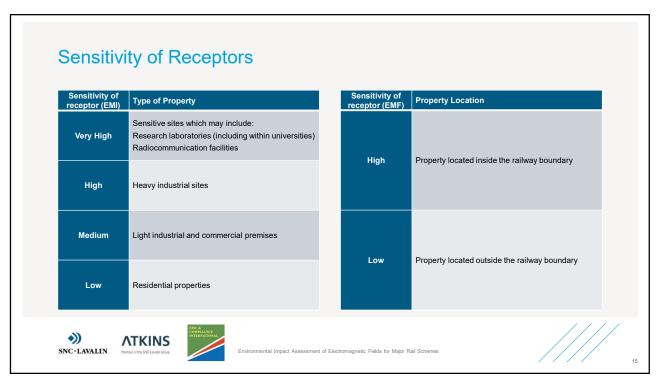
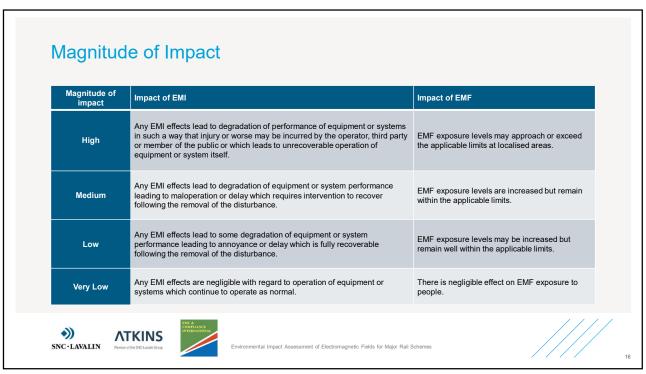


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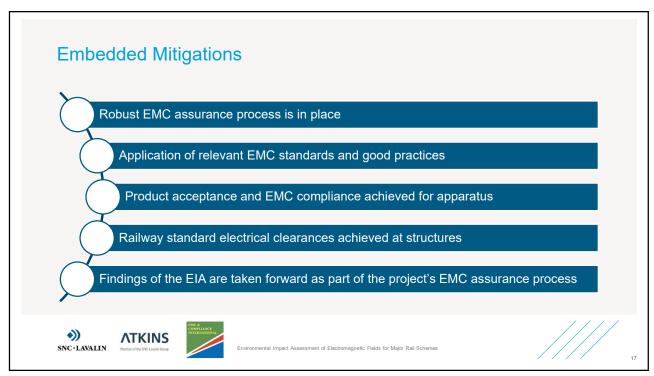
Categories	Distance (m)
Interfacing Railways	50
Railway Depots and Signal Control Centres	50
Educational Premises	50
Intentional Radio Transmitters	50
Other Commercial Premises (Retail Unit, Light & Heavy Industrial, etc.)	50
Hospitals, Clinics, Other Medical Establishments	100
Recording, Film Studios	100
High Voltage Transmission and Distribution Lines/Cables	500
Airports	1000
Military Establishments	1000
Research Laboratories	1000
Radio Telescopes	5000
Other sites not listed above	20

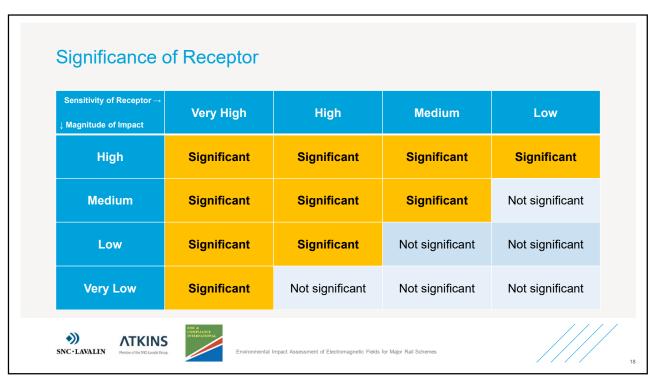














Significance of Receptors – Examples **Property** Sensitivity Magnitude Significance Type Military Army Reserve Centre Very High Medium **Significant** Establishment Dr Reddy's Laboratories and Very High Medium **Significant** Laboratories EU Ltd Heavy Industry Radio / Phone Vodafone High Medium **Significant** Mast Montgomery Very Low Not Significant Heavy Industry High Engravers Ltd Light Industry / Halfords Medium Very Low Not Significant Commercial Light Industry / Sparkles Car Wash Medium Not Significant Low Commercial







Environmental Impact Assessment of Electromagnetic Fields for Major Rail Schem

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Additional Mitigations and Residual Effect – Examples

Property	Туре	Initial Significance	Proposed Mitigation	Residual Effect
Army Reserve Centre	Military Establishment	Significant	Desktop survey identified the premises as a traditional building with no visible antenna/communication systems or heavy equipment and is no longer considered a significant receptor of EMI.	No Residual Effect
Dr Reddy's Laboratories EU Ltd	Laboratories and Heavy Industry	Significant	Consultation with the site owner to be undertaken. EMI risk assessment to be carried out during detailed design to identify any specific mitigations required by the owner for onward management.	Implementation of the additional mitigations would be sufficient to ensure no residual effect
Vodafone	Radio / Phone Mast	Significant	Location of mast obtained from site-finder database (2012) and could not be located in the vicinity by desktop survey. Likely to have been relocated or superseded by a new mast.	No Residual Effect







Environmental Impact Assessment of Electromagnetic Fields for Major Rail Schem





