

**Schedule of quantity**

**Name of Work:** Supply, installation and commissioning of SILAS (Signal Location Announcement System) system in each D cab of EMU rakes as per specification attached as annexure- A, scope of work attached as annexure-B and schedule of quantity attached as Annexure-C and special conditions attached as annexure-D

Following work to be carried out with quantity given as below.

Sr no	Description of work	Qty (Nos)
1	Up-gradation and retro-fitment of NSRAD to signal location announcement system (SILAS) with data logger in D-cabs of EMU rakes in W.Rly.	240 Nos
2	Supply and installation of GSM 4G module and GSM antenna for SILAS PCB and connection of GSM antenna with connectors	240 Nos
3	Design and development of webpage for tracking and monitoring of EMU rakes WR	01 Nos
4	Cloud server setup and maintenance of EMU for 2 years include all rakes information and time table.	01 Nos
5	Firmware upgradation of SILAS to communicate with server of all 240 SILAS units .	01 Nos
6	(a) Silas Web server along with analysis of SPM (speed chart, Platform entry and PSR analysis) (b) Automatic Route set from Guard side and next halt announcement as per WR timetable.	240 Nos



SSE/AWS-PIS/MMCT

Signature Not  
Verified

Digitally signed by  
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