CENTRAL ELECTRONICS LIMITED

FIELD SERVICE REPORT FOR CEL MAKE HA/SS DIGITAL AXLE COUNTER

Attended date from…… to……Railway……Division……

Section Name ……Section code……..(UP/DN/SL/MID Rev /Berthing Track)……

Railway Line Type (RE/Non RE)…… System Installed (SSDAC/HASSDAC)……Date of commissioning……

Details of system installed (Specify the Model Name / Sr. No. of System Components)

		HASSDAC/SSDAC	VR BOX	SVPD	RESET BOX
ENTRY	Model and Sr.No.				
EXIT	Model and Sr.No.				

System Status on arrival at site…… Problem Reported (Type of Error)……..

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No. of resets in Past 03 Months with date and error ……

Date of Last Failure and Error code……

Site Details (Technical Data about site)

*Installation near SSP(Y/N)…….if Yes then SSP distance from Loc. Box…….mtr, Axle Detector installed at curve (Y/N)……..

*Earth Connection is proper with system equipment's (Y/N) ……., Length of the section (approx. in Km)……..km

*Diode (IN4007/IN5408) connected in reverse biased across R1 and R2 of VR Box relays: VR, PR, RR Relay (Yes/No)……

Diode connected across repeater relays VPR and PPR (Yes/No)……., VPR relay installed in Location Box (Yes/No)……

***Type of Relay used:** VPR……., & PPR Relay used……

*Two separate power supply should be used for Unit 1 and Unit 2 of HASSDAC/SSDAC (Yes/No)……

*Power Supply Combiner Card (768) installed in locations for input supply of VR Box-722 (Yes/No)……

*Communication media used for HASSDAC/SSDAC: Unit-1 Media…… Unit-2 Media……

***Earth Values**: Entry Unit……Ω, Exit Unit……..Ω**, OFC Cable** (dB Loss shall not be more than -15dB): ……dB

***Quad Cable Test**: Color code……., Loop Resistance (56 Ω/Km)……. Ω, IR (≥10 MΩ) L1-E…….MΩ, L2-E……MΩ

L1-L2……. MΩ, dB loss of Quad Cable ……., Quad Cable armour continuity from entry to exit location box(Y/N)……

Type of Rail & hole position 60Kg/52Kg/90Lb (**86mm**)……

Failure observation by engineer……

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Routine check parameters of SSDAC/HASSDAC:-

	INPUT(24V)	TX 21	TX 23	RX 21	RX 23	MODEM	SCC1	SCC2	DC-DC CONVERTER			
	23V-28.8V (IPS or Charger)	30-40 Vrms/ 20.8 to 21.2Khz	30-40 Vrms/ 22.8 to 23.2Khz	275-600 mVrms (PM), 750 to 1200 mV (AM) /Freq.	275-600 mVrms (PM), 750 to1200 mV (AM) /Freq.	>250mVrms	2.0 to 2.5V	2.0 to 2.5V	5V	12V	24V	15 ISO
									4.75 to 5.25V	11.50 to 12.50V	23.50 to 24.50V	14.50 to 15.50V
ENTRY UNIT 1												
ENTRY UNIT 2												
EXIT UNIT 1												
EXIT UNIT 2												

Action Taken:……

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Remarks (If any)……

Final Status of System (OK/Not Ok)……as on Date……

Name & Designation of Railway Representative:	Name and Designation of CEL Representative:
Signature with date: Contact Details:	Signature with date: Contact Details: