Inspection Schedule of Sr. Section Engineer (Works)

Inspection and maintenance and construction of service building, staff quarter and other structures, approach roads, water supply, drainage and sewerage system and bridges are the duties of Senior Section Engineer (SSE)/ works.

In addition to this accountal and periodical verification of stores and tools, maintenance of land boundary and removal of encroachment in his jurisdiction are being done by SSE (Works)/ Section In charge (Works)

Inspection schedule for the SSE/Section In-charge (Works) of engineering department is given in the various chapter of Indian Railway Works Manual (IRWM) and Indian Railway Bridge Manual (IRBM).

Every zonal railway will have to augment and supplement these schedule to suit the local and contemporary requirement.

In this pamphlet a consolidated inspection schedule for SSE/ Section In-charge (Works) is given for guidance.

SN	Item of Inspection	Minimum Schedule
1.0	Building	All buildings to be systematically inspected and particulars or repairs submitted to AEN once a year.
1.1	All structures including those carrying advertisement situated along side of running line particularly in sub urban area.	Once in six month.
2.0	Structures- structural steel and timber works	-
2.1	Structures such as workshop running sheds, PF shades, roof trusses and foot over bridge	Once a year during prescribed months.
2.2	CI, WI, or pressed steel plate water tanks and staging whether of steel section or rails and flood light towers.	Once a year.

SN	Item of Inspection	Minimum Schedule
2.3	Structures with roof trusses,	Once a year on programmed basis.
2.4	Other structures in which timber, rail or steel work is used for support any part of structure.	Once a year on programmed basis.
2.5	Tie rods of arch roofs excluding jack arches.	Once a year on programmed basis.
2.6	WI or MS tanks on sleeper cribs at temporary water kilo-meterages (Mileages)	Once a year on programmed basis.
3.0	Water supply installations	-
3.1	Tube well and other source of water supply	Once a year in coordination with electrical department at time when the sub soil water is at lowest.
3.2	Cleaning of over head tank/ under ground storage tank for disinfection of water.	As and when needed.

SN	Item of Inspection	Minimum Schedule
3.3	Storage tanks for drinking water and flushing purpose over offices, bunglows, quarters.	Frequently.
3.4	All water supply installations and pipe-lines.	Frequently for efficient maintenance.
4.0	Sewerage and drainage system	Frequently for efficient maintenance.
5.0	Stations(checking petty repair book and arranging repairs)	Once a month.
5.1	Petty repair book	Frequently.
5.2	Complaint book	Frequently.
6.0	Bridges and tunnels	-
6.1	Minor, major and important bridges including ROBs / RUBs/ (except track and approaches)	Once a year prior to monsoon i.e. April to June.

SN	Item of Inspection	Minimum Schedule
6.2	RCC/PSC slab bridge/ masonry bridge	Once a year prior to monsoon i.e. April to June.
(a)	Bridges other than de-stressed bridge	-
	Foundation, substructure and bed block of all bridges.	Once a year prior to monsoon i.e. April to June.
	Protection work	Once a year prior to monsoon i.e. April to June.
	Super structure of RCC/PSC slab bridge, masonry bridge.	Once a year prior to monsoon i.e. April to June.
	Detailed inspection of sheet works of girders less than 12.2 meter clear span.	Once in five year 20 % per year.
	General condition of superstructure of all other type of bridges.	Once a year prior to monsoon.
	Run off frame and footpath on bridge.	At least once a year prior to monsoon.

SN	Item of Inspection	Minimum Schedule
(b)	For de-stressed bridge	-
	All item listed in (a) 1	Once in three months.
	All item listed in (a) 5	Once in three months.
6.3	Tunnels	Once a year after monsoon.
7	Ash pit /inspection pit	Once a year jointly with SSE/ P.Way.
8	Land boundary verification in stations	Once a year.
8.1	Encroachment	Certified once in three months.
9	Colony care committee inspection	Once in two months.
10	SIG inspection	As prescribed by authorities.
11	Review of inspection done by JE works, complaint book, mate and other artisan	As and when needed.
12	Any other inspection/ observation	As decided by the authorities.
13	Imprest of tools and materials	Once a month.
14	Service books	As prescribed time limit.

OUR- QUALITY POLICY

To develop safe, modern and cost effective Railway technology complying with Statutory and Regulatory requirements, through excellence in Research, Designs & Standards and Continual improvements in Quality Management System to cater to growing demand of passenger and freight traffic on the Railways.

OUR- OBJECTIVE

To upgrade Maintenance Technologies and Methodologies and achieve improvement in Productivity and Performance of all Railway assets and manpower which inter-alia would cover Reliability, Availability and Utilisation.

Disclaimer

The information contained in this pamphlet does not supercede any existing provisions laid down in RDSO & Rly. Board instructions. This document is not statutory & instructions given in it are for the purpose of guidance only.

GOVERNMENT OF INDIA - MINISTRY OF RAILWAYS

(For Official use only)

Inspection schedule of SSE (Works)

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Indian Railways

Centre for Advanced Maintenance Technology

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CENTRE FOR ADVANCED MAINTENANCE TECHNOLOGY
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