



SOUTH CENTRAL RAILWAY

Works Branch,
Rail Nilayam,
Secunderabad-25.

No.W.506/ESOs.

Dt. 05-07-2019.

ENGINEERING STANDING ORDER NO.82.

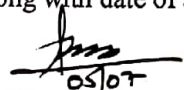
Sub: Pre-monsoon inspection of Bridges – Manuscript Registers – Reg.

Ref: 1) S.C.Railway, Engineering Standing Order No.01 Dated 19.7.2011.
2) Para No.117 and 118 of IRBM.

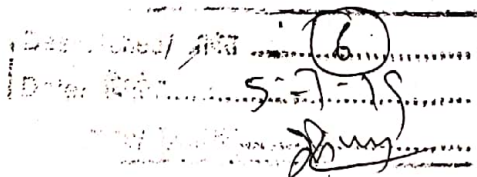
- 1.0 As per the duty list given under Para 117 & 118 of IRBM, pre-monsoon inspection of bridges has to be carried out by P.Way Inspector or Inspector of Works as per the extant practice in Railways and the details of inspection have to be recorded in a manuscript register. A certificate of inspection is required to be submitted by the concerned Inspector to the Assistant Engineer by a prescribed date.
- 2.0 On South Central Railway, ESO no. 74 dated 19-07-11 has been issued on the above subject wherein responsibilities for inspection/maintenance of various elements of Bridges during pre-monsoon period have been listed out as given under.
- 3.0 **SE/SSE (Works)**
 - 3.1 Inspection and maintenance: Foundations, Sub-structures, River training & Protective works, Bed blocks of all bridges including ROB's of all types.
 - 3.2 Inspection and maintenance: Super-structure of all bridges including ROB's, both of all types excluding those having Steel, PSC or Composite girders.
- 4.0 **SE/SSE (P.way):**
 - 4.1 Inspection and maintenance: Track on bridges including all types of sleepers, guard rails, re-railing ramps, gang way and their fittings (Schedule of regular track inspection to be followed).
 - 4.2 Clearance of waterway.
- 5.0 In this regard, it is noted that even though inspections of the above items are being carried out by the concerned Section Engineers of Works & P.way during pre-monsoon period, the details of inspection are not being recorded in a manuscript register as prescribed under IRBM para 117 & 118. Further, attention to the deficiencies noted during inspection are also not getting recorded anywhere. As there are no extant instructions issued on the above aspects, detailed instructions supplementing the ESO-74 are issued herewith on maintenance of manuscript registers concerning inspection of bridges.

6.0 Instructions on maintaining Manuscript registers for pre-monsoon inspection.

- 6.1 SSE/Works and SSE/P.way shall maintain separate manuscript registers for recording the inspection details concerning them (as listed out in SCR ESO no. 74 & Para 117 of IRBM) during pre-monsoon period. Separate register shall be maintained for inspection of tunnels (to be inspected after monsoon) if existing in the section.
- 6.2 The details of inspection shall be recorded in the manuscript register as per the formats enclosed under Annexures-I & II. SSE/Works and SSE/P.way shall follow the formats given under Annexure-I & Annexure-II respectively. For each bridge, two pages shall be allotted for recording the inspection details as per the specified formats.
- 6.3 The pre-monsoon inspection shall be completed before the onset of monsoon and the Certificate of completion of inspection shall be furnished to Assistant Engineer as per the Format enclosed in Annexure-III. Beginning of Monsoon period in South Central/Railway shall be reckoned as per the S.C.Rly 'Blue Book of Monsoon Instructions'.
- 6.4 The certificate of inspection shall be submitted to the Assistant Engineer every year before 15th June for sections covered under SW monsoon and 15th September for the sections covered under NE monsoon.
- 6.5 Any attention done to the deficiencies recorded during inspection shall be recorded in the same register subsequently along with date of attention.


(K. V. SIVAPRASAD)
Principal Chief Engineer

C/- CTE, CBE, CGE, CE/TP, CE/W, CE/P&D & CE/TM.
C/- Sr.DEN/Co.ord/SC, GTL, BZA, HYB, GNT & NED.



Bridge No. _____ Block section _____ Km. _____ Span: _____

Annexure-I

Type of Foundations _____ Substructure type _____ Superstructure _____

Details of Pre-monsoon Inspection & attention

Date	Foundations	Substructure	Bed Blocks	Superstructure & bearings	River training and Protective works	Signature
C						

Bridge No. _____ Block section _____ Km. _____ Span: _____
 Type of Foundations _____ Substructure type _____ Superstructure _____

Annexure-II

Details of Pre-monsoon Inspection & attention

Date	Obstruction to water ways	Condition of track & fittings on the bridge	Condition of Gangway/Foot path	Condition of Trolley refuges	Marking of HFL, Name Boards etc.	Signature
C						

Certificate of Pre-monsoon Inspection

This is to certify that Pre-monsoon inspection of all bridges in the section _____ have been carried out for the year _____ as prescribed under IRBM 117 & 118, and the details have been recorded in a manuscript register.

Date: _____

Signature:

Designation:
