

6/11
PCE
5/11/19 27/19
CE Circular file

EAST COAST RAILWAY
Engineering Department
CE Circular No 42

Sub:- Pre-monsoon Bridge inspection and maintenance of registers as per IRBM para 117 & 118.

The separate manuscript registers shall be maintained by SSE/ Works as per Para No 117 & 118 of Indian Railway Bridge Manual for recording the "Details of maintenance carried out and inspection of Bridges including ROB/ RUB prior to monsoon".

To ensure effective and uniform implementation of Para 117 & 118 OF IRBM , following is advised ;

(A) Proforma for recording the inspection details:-

(i) Details of each Bridge :-

- (a) Bridge No :-
- (b) Section :-
- (c) Location :-
- (d) Type of Bridge (Along with span details) :-

(ii) Details in tabular form for recording maintenance status/ observations during inspection/ remarks etc.:-

- (1) Date of inspection
- (2) Foundations, Substructures and bed blocks of all bridges.
- (3) Protective works.
- (4) Condition of Superstructures of all bridges (Under this column observations of defect/ Status of maintenance etc. for following items are to be mentioned)
 - (a) Superstructures of all RCC and PSC slab bridges and masonry bridges.
 - (b) Detailed inspection of steel work of girders less than 12.2m clear span once in 5 years.
 - (c) General condition of superstructure of all other type of bridges & their bearings.
- (5) Obstruction to water-ways , if any.

(B) For the Sl No (2), (3) & (4) of para (A) (ii), the following information/ status shall be recorded. :-

- (i) Directives of ADEN or higher authorities during their inspection after monsoon.
- (ii) Action taken there on by SSE/ Works.
- (iii) Whether the structure is safe for passage of water & traffic (with or without speed restriction) during ensuing monsoon ?

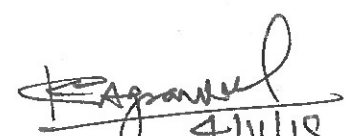
In exceptional cases due to any untoward incident , if any urgent action is considered necessary , the matter along with full details should be brought by SSE/ Works to the notice of DEN/ Sr DEN immediately through Sectional ADEN.

(C) SSE/ Works will inspect all the Bridges once in a year during 1st April to 30th April & submit the registers to sectional ADEN immediately after completion of his inspection.

(D) ADEN will make scrutiny of the registers and ensure that urgent actions have been taken for the exceptional cases. He shall submit a certificate latest by 7th May , that " all the bridges have been inspected by SSE/ Works & necessary works have been carried out pertaining to him to keep the bridges in safe condition for passage of water and traffic during ensuing monsoon " .

(E) Sectional Sr.DEN / DEN will countersign the certificate & submit the same to CBE by 15th May .

This is issued with the approval of PCE.
Encl :- One format


(K.G. Agrawal)

Chief Bridge Engineer,
E. Co. Railway, Bhubaneswar

No :- W4/ 374/ CE Circular/ monsoon precaution / 9176 Date :- 04.11.2019

Copy to :-

1. All HOD's of Engineering department for information and n.a please.
2. DRM/ KUR, DRM/ SBP & DRM/ WAT for information and n.a. please.
3. Sr. DEN/ Co-ord/ KUR, SBP & WAT for information and n.a. please.
4. EDCE (B&S), Rail Bhawan, Railway Board, New Delhi for information

PROFORMA FOR MANUSCRIPT REGISTER TO BE MAINTAINED BY SSE/ WORKS

Bridge No :-

Section :-

Location :-

Type of Bridge :-
(Along with span details)

Date of inspection	Foundations, Substructures and bed blocks of Bridge	Protective works	Condition of Superstructures	Obstruction to water-ways , if any and action taken	Remarks	Signature of SSE/ W	Signature of ADEN
1	2	3	4	5	6	7	8