GOVERNMENT OF INDIA MINISTRY OF RAILWAYS RAILWAY BOARD

No. 2007/CE-I/BR-III/3

New Delhi, dtd. 7.6.2010

Principal Chief Engineers, All Zonal Railways

Chief Administrative Officers/Con, All Zonal Railways

Sub.: Para 4.2 of IRS - Bridge Sub-Structure and Foundation Code - regarding Estimation of Design Discharge (Q)

Your attention is drawn towards Para 4.2.2 of IRS Bridge Sub-Structures and Foundations Code regarding Estimation of Design Discharge (Q) which lays down as below:

"All bridges shall be designed with adequate waterway for design discharge (Q). This all normally be the computed flood with a probable recurrence interval of 50 years. Towever, at the discretion of Chief Engineer/Chief Bridge Engineer, bridges, damage to each is likely to have severe consequence may be designed for floods with a probable recurrence interval of more than 50 years, while bridges on less important lines or sidings be designed for floods with a probable recurrence interval of less than 50 years."

Board (ME) has directed that the above para be reiterated to PCEs/ CBEs/ CAOs who expected to give a thought regarding design discharge (Q) before proposing a bridge ect. Infact virtually each bridge has a uniqueness which must be appreciated by field gineers.

Board (ME) has further directed that CBE/CAO/C should satisfy himself for the scharge calculations and flood periodicity for major bridges. This certificate must be given them on the final survey reports.

(M. K. Jain) Director Civil Engineer/B&S Railway Board

copy to:

bief Bridge Engineers, All Indian Railways - for information and necessary action

apy to:

Structures, RDSO, Lucknow - To propose a correction slip for incorporation of ections given in para 2.0 above.