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GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
RAILWAY BOARD

2008/CE-II/BR/PCE Conf

Principal Chief Engineers,  
All Zonal Railways

CBE  
New Delhi, dtd. 21.9.2010  
CAOLC  
S.R. Secunderabad  
Sridhar Rao  
AXGN/Brd's copy.

Sub.: PCEs/CAO (C)s' conference on 29<sup>th</sup> & 30<sup>th</sup> September 2010.  
Ref : (i) Railway Board's letter No. 2010/CE-II/Meeting/I dt. 13.9.2010  
(ii) RDSO's letter No.CBS/Pathway dt.24.8.2010

In addition to agenda items advised vide above reference (i) above, following item would also be discussed:-

**Provision of Man Refuge on through open web girder bridges.**

1.0 To improve safety of men on the bridge, RDSO has issued a provisional drawing No. CBS 0028 for provision of 'Man Refuge' vide letter No.CBS/Pathway dt.24.8.2010. Board has advised RDSO to incorporate following directives in RDSO's drawing and advise all railways:- (CBS 0045 Supersedes Dtg. CBS 0028)

- (i) 30.5m & 45.7m through OWG bridges - provide 1 Man Refuge in centre of Span.
- (ii) 61.0m, 76.2m & higher spans - provide Man Refuge at 20m spacing.
- (iii) For avoiding accumulation of water on the Man Refuge, some holes may be drilled in the chequered plate.
- (iv) Slope of the chequered plate should be away from the centre of the track.

3.0 Man Refuges are required to be provided on priority by the railways as there have been increasing number of incidences of men run over on bridges. Railway should firm up their action plan and apprise Board.

*Spacing of Man Refuge for various spans:-*

- i for 30.5m  $\Rightarrow$  32mt
- ii for 45.7m  $\Rightarrow$  24mt
- iii for 61.0m  $\Rightarrow$  17mt
- iv for 76.2m  $\Rightarrow$  17mt

Copy to:

- 1.0 GM/Con, N.F. Railway - for information and necessary action.
- 2.0 CAO/Cs, All Zonal Railways - for information and necessary action
- 3.0 EDB&S/RDSO - Please come prepared for a power point presentation during conference on salient features and arrangement of Man Refuges

र.म. रेलवे/S.C. Railway  
रेलवे बोर्ड डाक  
RAILWAY BOARD DAK  
दिनांक. 25 SEP 2010  
Date:  
महा प्रबंधक का कार्यालय

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

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