

फैक्स/ FAX : 91-0522-2458500  
91-0522-2450679  
तार : रेलमानक, लखनऊ  
Telegram : 'RAILMANAK',  
Lucknow  
टेलीफोन/ Tele : 2451200 (PBX)  
2450115 (DID)



भारत सरकार - रेल मंत्रालय  
अनुसंधान अभिकल्प और मानक संगठन  
लखनऊ - 226 011  
Government of India - Ministry of Railways  
Research Designs & Standards Organisation  
Lucknow - 226 011

SNo. 3258/1

AN ISO 9001  
CERTIFIED  
ORGANISATION

No. MC/LHB/Coach

Date: 02.09.2014

महाप्रबन्धक (इंजीनियरिंग),

1. उत्तर रेलवे, बडौदा हाऊस, नई दिल्ली - 1100 01
2. उत्तर मध्य रेलवे, हास्टिंग रोड, इलाहाबाद - 211001

**Sub: Amendment no. 01 to Speed Certificate for operation of Shatabdi Express and other similar trains hauled by single WAP5 class of locomotive comprising maximum 12 numbers of LHB AC (EOG) coaches including two Generator Vans on New Delhi - Agra Cantt.-New Delhi section of Northern Railway & North Central Railway upto a maximum speed of 160 kmph, on track maintained to C&M-I, Vol.-I standard.**

- Ref.: (i) This office speed certificate of even no. dated 22.07.2014  
(ii) UTHS directorate note no. UTHS/95, dated 04.08.2014

With reference to UTHS directorate note referred at (ii) above, it has been decided to rectify the typographical error substituting "160 kmph" in place of "60 kmph" in last line of Para 2.4.1 of subject speed certificate issued on 22.07.2014. Accordingly, Para 2.4.1 of said speed certificate has been corrected and shall be read as under :

**"Para 2.4.1"**

The 25 kV AC OHE shall have swiveling type cantilever assembly having tension in the conductors, regulated automatically with a presag. The presag of 50/100 mm ( 0.8 mm per meter /1.6 mm per meter presag) is on the contact wire for a maximum span of 72 meters proportionately less for smaller spans.

The gradient of contact wire and the difference in the gradient of contact wire between two adjacent spans (relative gradient) may be kept as 3 mm/meter and 1.5 mm/ meter respectively.

The above presag as well as gradient of contact wire are for running of one to two trains each way at 160 kmph.

संलग्नक: UTHS directorate note no. UTHS/95, dated 04.08.2014

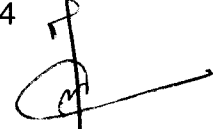
(सौ. मधुसूदन राव)

कार्यकारी निदेशक/ मानक/ चालन शक्ति

प्रतिलिपि:

1. सचिव (यांत्रिक / विद्युत / इंजीनियरिंग-जी), रेलवे बोर्ड, रेल भवन, नई दिल्ली-110 001
2. मुख्य रेल संरक्षा आयुक्त, मण्डल रेल प्रबन्धक कार्यालय, पूर्वोत्तर रेलवे परिसर, अशोक मार्ग लखनऊ-226001
3. महाप्रबन्धक (यांत्रिक / विद्युत / ओपरेटिंग / एस एण्ड टी)
  - i) उत्तर रेलवे, बडौदा हाऊस, नई दिल्ली - 1100 01
  - ii) उत्तर मध्य रेलवे, हास्टिंग रोड, इलाहाबाद - 211001

संलग्नक: UTHS directorate note no. UTHS/95, dated 04.08.2014



सी. मधुसूदन राव)  
कार्यकारी निदेशक मानक / चालन शक्ति

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**Urban Transport and High Speed Directorate**


No. UTHS/95

Dated: 04.08.2014

**Sub: Correction in the speed certificate for Shatabdi Express issued on  
22.07.2014**

On Scrutiny. it is found that instead of 160 Kmph , 60 Kmph has been mentioned in Para No. 2.4.1 related with traction installations of the Speed Certificate for operation of Shatabdi Express and other similar trains hauled by single WAP-5 class of locomotive comprising maximum 12 Nos. of LHP AC coaches including two Generator Vans on New Delhi- Agra Cantt. Section of Northern Railway and North Central Railway up to a maximum speed of 160 Kmph.

A correction to the Para No. 2.4.1 in this regard may be issued.

  
(A.K. Maurya) 4/8/14  
Dir./UTHS/Elect.

**ED/ Carriage**

**Copy to: ED/MP**