



भारत सरकार Government Of India
रेल मंत्रालय Ministry Of Railways
रेलवे बोर्ड Railway Board

No. 2011/CEDO/SB/IRSOD/Elect./02

New Delhi, Dated 21.10.2013

Addressed to :


(As per list mentioned below)

Sub : Addendum & Corrigendum Slip (ACS) No. 13 to the Indian Railways Schedule of Dimensions (BG) 2004.

The Ministry of Railways (Railway Board) have decided that the following Para / Item of Schedules I and II of IR's Schedule of Dimensions 1676mm Gauge (B.G.) 2004 be amended, as shown in the enclosed Addendum & Corrigendum Slip (ACS) No. 13 :

<i>Amendment I</i>	Para-10 Of Chapter-I : General (pages 6 & 7)
<i>Amendment II</i>	Para-11 Of Chapter-I : General (pages 7 & 8)
<i>Amendment III</i>	Para-11 Of Chapter-II : Station Yards (page 14)
<i>Amendment IV</i>	Notes below Para 8 & 10 and deletion of Para-12 : Schedule - II (page 32)

Enclosure : ACS No. 13 (04 pages)


(आलोक कुमार) 21.10.13

कार्यकारी निदेशक/सिविल इंजीनियरिंग/सा./रेलवे बोर्ड

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Addendum & Corrigendum Slip (ACS) No. 13
To
Indian Railways Schedule Of Dimensions (B.G.) 2004

I. Amendment To Para-10 Of Chapter-I : General

{At Page - 6 & 7 Of IRSOD 2004 And Subsequently Revised Vide ACS No. 10}

In Schedule-I of IRSOD, Revised 2004

Para 10 shall be read as under :

10. Height of Road Over Bridges and Foot Over Bridges :

- (a) Minimum height above rail level for a distance of 915mm on either side of the centre of track for overhead structures : 4875 mm
- (b) Where D.C. electric traction is in use or is likely to be used, this dimension shall be : 5410 mm
- (c) Where 25 kV A.C. traction is likely to be used, the minimum height above rail level for a distance of 1600mm on either side of the centre of track shall be as under :
 - (i) Light Overhead Structures, such as Foot Over Bridges : 6250 mm
 - (ii) Heavy Overhead Structures, such as Road Over Bridges and Flyovers : 5870 mm

Note :

- (a) See Appendix for 'extra clearance required on curves'.
- (b) In case of restricted height of existing structures, a special study shall be made, as indicated in Appendix-A to Chapter V-A before 25 kV AC traction is introduced.
Accordingly, only in such cases, the minimum height above rail level shall not be lower than 5070mm in case of Heavy Overhead Structure (such as Road Over & Flyovers) and 5270mm in case of Light Overhead Structures (such as Foot Over Bridges) for a minimum contact wire height of 4800mm from above rail level. OHE arrangements shall be as per RDSO Drawings.
- (c) In areas where 25 KV A.C. traction is used or likely to be used, if any turnout or crossover is located under a heavy overhead structure or within 40 metre from its nearest face, irrespective of the position of level crossing gate, the minimum height of such overhead structure shall be 6250mm. In case the turnout is beyond 40 m; but the level crossing gate is within 520 metre from the nearest face of the bridge, the height of such overhead structure shall be 6250mm.
- (d) The height mentioned against items 10(a), 10(b) & 10(c) above shall be measured from the higher or super elevated rail.
- (e) On lines, existing or proposed to be electrified on 25 kV A.C. system, necessary provision shall be made in overhead structure and overhead equipment, if necessary, by using longer traction overhead equipment masts to permit an extra allowance of 275mm for raising of track in future to cater for modern track structure in the form of increased ballast cushion, larger sleeper thickness and deeper rail sections.

* (In case of restricted height of existing heavy overhead structure, minimum height above rail level shall not be lower than 5270mm, adhering to the provisions of note (b) above).

II. Amendment To Para-11 Of Chapter-I : General

{At Page - 7 & 8 Of IRSOD 2004 And Subsequently Revised Vide ACS No. 10}

In Schedule-I of IRSOD, Revised 2004

Para 11(iv) shall be read as under :

Para-11(iv) Minimum Horizontal Distance Of Structures

The minimum horizontal distance measured at right angles from the centre of nearest track to any part of a structure (all structures shall be rigid and well founded), carrying electrical conductors crossing a railway shall be :

- (i) For new structure : (H + 6) metre
- (ii) For existing structure : (H + 2.135) metre

{where, 'H' is the height of post/structure from nearest ground level}

Note : Any post/structure which is so constructed or guyed as to remain in a vertical position, or failing this to continue to provide the minimum clearances of 2.135m, with one or all of the conductors broken or, with its conductors attached, when subjected to maximum wind pressures, shall be considered to be a "rigid well founded post/structure".

[There is no change in in Para 11(i) to (iii) w.r.t. the existing provisions of IRSOD 2004]

III. Amendment To Para-11 Of Chapter-II : Station Yards

{At Page - 14 Of IRSOD 2004 And Subsequently Revised Vide ACS No. 10}

In Schedule-I of IRSOD, Revised 2004

Para 11 shall be read as under :

11. Minimum Horizontal Distance From Centre Of Track To Any Structure :

(A) For Existing Works :

- (i) From rail level to 305mm above rail level 1675mm

(ii)	From 305mm to 3355mm above rail level	2135mm
(iii)	From 3355mm to 4115mm above rail level	2135mm decreasing to 1980mm
(iv)	From 4115mm to 6250mm above rail level	1600mm
(v)	Below the rail level and upto formation level of the track on straight and curves up to radius of 875m	2575mm
(vi)	Below the rail level and upto the formation level of the track on curves with radius less than 875m	2725mm

Note :

- (a) See Appendix for 'extra clearances required on curves'.
- (b) On lines other than main lines or existing main lines, where electric traction is not likely to be introduced; the horizontal distance of 1370mm for height from 4115mm to 6100mm above rail level may be allowed to continue.
- (c) The clearance mentioned above in item (v) and (vi) shall be applicable only in new yards including its electrification works. The various fixtures, which are attached to the track; like lock bar, point machine, traction bonds, point and signal rodding etc. and are required to be fitted with the rail, can be provided and the clearance, as mentioned in item 11(v) and 11(vi) above will not be applicable to these items.
- (d) In case of electrification works in existing yards, no foundations / mast / signal post / any other structure shall be provided between two tracks. In case it is inescapable, the minimum distance of edge of foundation / mast / signal post / any other structure at and above formation level upto rail level from centre of track, shall be 2360mm. The distance shall be proportionately increased, based on available track centre distance upto minimum distance of 2575mm / 2725mm, as the case may be; as specified in Items 11A(v) and 11A(vi) above respectively.
- (e) Items 11(A)(v) and 11(B)(vi) above shall not be applicable in case of bridges.

(B) For New Works or Alteration to Existing Works :

(i)	From rail level to 305mm above rail level	1905mm
(ii)	From 305mm to 1065mm above rail level	1905mm increasing to 2360mm
(iii)	From 1065mm to 3735mm above rail level	2360mm
(iv)	From 3735mm to 4420mm above rail level	2360mm decreasing to 2135mm
(v)	From 4420mm to 4610mm above rail level	2135mm decreasing to 1980mm
(vi)	From 4610mm to 6250mm above rail level	1600mm
(vii)	Below the rail level and upto formation level of the track on straight and curves upto radius of 875m	2575mm
(viii)	Below the rail level and upto the formation level of the track on curves with radius less than 875m	2725mm

Note : (a) See Appendix for extra clearances required on curves.

(b) Items 11(B)(vii) & 11(B)(viii) above shall not be applicable in case of bridges.

IV. Amendment To Schedule-II of IRSOD, Revised 2004

{At Page - 32 And As Per ACS-10 Of IRSOD 2004}

A. Notes below Para 8 & 10 shall be read as under :

8. General : Out Of Station

Note :

(i) See Appendix for 'extra clearance required on curves'.

(ii) In case of existing structures, a special study shall be made as indicated in Appendix-A to Chapter V-A of Schedule-I, before 25 KV AC traction is introduced. In case of restricted height of existing over head structure, the minimum height above rail level shall not be lower than 5070mm in case of Heavy Overhead Structure (such as Road Over & Flyovers) and 5270mm in case of Light Overhead Structures (such as Foot Over Bridges) for a minimum contact wire height of 4800mm from above rail level. OHE arrangements shall be as per RDSO Drawings.

10. Station Yards :

Note :

(i) See Appendix for 'extra clearance required on curves'.

(ii) In case of existing structures, a special study shall be made as indicated in Appendix-A to Chapter V-A before 25 KV AC traction is introduced. In case of restricted height of existing over head structure, the minimum height above rail level shall not be lower than 5070mm in case of Heavy Overhead Structure (such as Road Over or Flyover Bridges) and 5270mm in case of Light Overhead Structures (such as Foot Over Bridges) for a minimum contact wire height of 4800mm from above rail level. OHE arrangements shall be as per RDSO Drawings.

B. Para 12.

Para 12 w.r.t. the existing provisions of IRSOD 2004 (ACS-10), shall be deleted.