Addressed to:
(As per list mentioned below)


The Ministry of Railways (Railway Board) have decided that the following Para of Schedules I of IR’s Schedule of Dimensions 1676mm Gauge (B.G.) Revised, 2004 be amended, as shown in the enclosed Addendum & Corrigendum Slip (ACS) No. 20:

Amendment I Para-11 (i) Of Chapter-I: General, Schedule-I (Page 7 and ACS No. 10)

Amendment II Notes below Para-11 (iv) Of Chapter-I: General, Schedule-I (Page 7 and ACS No. 13)

Enclosure: ACS No. 20 (02 pages).

List for Distribution:
1. General Managers, All Indian Railways & Production Units
2. Principal Chief Engineers and Chief Administrative Officers (Con.), All Indian Railways
3. Director General, RDSO, Manak Nagar, Lucknow
4. Director General, NAIR, Vadodara
5. Chief Commissioner of Railway Safety, Ashok Marg, Lucknow
6. Commissioner of Railway Safety, All Circles
7. Director, IRICEN, Rail Path, Pune – 411001 (Maharashtra)
8. Director, IRIEEN, P.B. No. 233, Nasik Road – 422101 (Maharashtra)
9. Director, IRISET, Taar Naka Road, Lalla Guda, Secunderabad
10. Director, IRIMEE, Jamalpur – 811214 (Bihar)
11. Director, IRITM, IRITM Campus, Manak Nagar, Lucknow

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- EDCE(G), EDCE(P), EDTk(M), EDTk(Me), EDTk(P), EDCE(B&S), ED(Works), EDW(Plg.), ED(Project Mon.), ED(L&A-I), ED(L&A), ED(SDE), ED(PSU), EDRE, ED(Safety)-I, ED(Safety)-II, ED(Sig. Dev.), ED(Tele), EDME(Chg.), EDME(Frt.), EDME(Dev.), EDME(W), ED(Plg.), EDTT(S), EDCE(Mobility) in Railway Board.
Addendum & Corrigendum Slip (ACS) No. 20
To
Indian Railways Schedule Of Dimensions (B.G.) Revised, 2004

I. Amendment To Para-11 (i) Of Chapter-I: General
In Schedule-I of IRSOD, Revised 2004
{At Page – 7 Of IRSOD, Revised 2004 and subsequently revised vide ACS 10}

Para 11 (i) shall be read as under:

Para 11(i) Clearances for Power Line Crossings in Non-Electrified & Electrified Territory:

<table>
<thead>
<tr>
<th>SL</th>
<th>Over Head Crossing Voltage</th>
<th>Minimum Clearances From Rail Level</th>
<th>Minimum Clearance Between Highest Traction Conductor And Lowest Transmission Line Crossing Conductor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Existing Power Line Crossing For Non-Electrified Territory</td>
<td>New Power Line Crossing Or Crossing Planned For Alteration</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crossing Voltage</td>
<td>Minimum Clearance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Upto and including 11 kV</td>
<td>Normally By Underground Cable</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Upto and including 11 kV</td>
<td>10860 mm</td>
</tr>
<tr>
<td>2</td>
<td>Above 11 kV &amp; upto 33 kV</td>
<td>Above 11 kV &amp; upto 33 kV</td>
<td>11160 mm</td>
</tr>
<tr>
<td>3</td>
<td>Above 33 kV &amp; upto 66 kV</td>
<td>Above 33 kV &amp; upto 66 kV</td>
<td>11760 mm</td>
</tr>
<tr>
<td>4</td>
<td>Above 66 kV &amp; upto 132 kV</td>
<td>Above 66 kV &amp; upto 132 kV</td>
<td>12660 mm</td>
</tr>
<tr>
<td>5</td>
<td>Above 132 kV &amp; upto 220 kV</td>
<td>Above 132 kV &amp; upto 220 kV</td>
<td>14460 mm</td>
</tr>
<tr>
<td>6</td>
<td>Above 220 kV &amp; upto 400 kV</td>
<td>Above 220 kV &amp; upto 400 kV</td>
<td>15360 mm</td>
</tr>
<tr>
<td>7</td>
<td>Above 400 kV &amp; upto 500 kV</td>
<td>Above 400 kV &amp; upto 500 kV</td>
<td>18060 mm</td>
</tr>
</tbody>
</table>

Note:
(i) All height/clearances are in mm and under maximum sag conditions.
(ii) If the crossing is provided with a guarding, a minimum clearance of 2000mm shall be maintained between bottom of the guard wire and highest traction conductor.
(iii) Power line crossing in yards & stations area shall be avoided.
(iv) For any electrification work of existing line; doubling/gauge conversion along with electrification, existing crossings can continue, if dimensions are as per Column (5) above, even if dimensions of Col (3) are not satisfied i.e., for electrification works Col (3) is not applicable.
II. Amendment To Para-11 (iv) Of Chapter-I: General
In Schedule-I of IRSOD, Revised 2004
{At Page – 8 Of IRSOD, Revised 2004 and subsequently revised vide ACS 13}

Para 11 (iv) shall be read as under
Para 11 (iv) Minimum Horizontal Distance of Structures:
The minimum horizontal distance measured at right-angle to, and from the centre of nearest track to any part of the structure above ground level, carrying electrical conductor crossing a railway line shall be:

(i) For new structures : (H+6) m

(ii) For existing rigid well founded post/structures : 3m, or 1.5 m away from the toe of embankment/top of cutting, whichever is more

Where, ‘H’ is the height of post/structure from nearest ground level.

Note:
1. Rigid well founded post/structure: Any post/structure which is so constructed or guyed as to remain in vertical position, or failing this to continue to provide the minimum horizontal clearance of 2.135m from the centre of nearest track, with one or all of the conductors broken or with its conductors attached, when subjected to maximum wind pressure, shall be considered to be a “rigid well founded post/structure.”

The existing rigid well founded post/structures, presently at a distance equal to or more than (ii) as given above, but less than (H + 2.135) m, shall be inspected by railway’s nominated electrical official once in a year jointly with the owner of the post/structure and certify the safety of the structure, keeping appropriate records of inspections.

2. If the existing post/structure carrying electrical conductors crossing a railway line, is not rigid and well founded then the minimum horizontal distance, measured at right angles from the centre of nearest track, shall be equal to height of post/structure above ground level plus 2.135m.

[Signature]
17.7.17
ED CET/G