To: The General Manager (Elec.)

All Indian Railways including Metro Railway/Kolkata, CORE/Allahabad, ICF, Chennai, CLW, Chittaranjan, RCF Kapurthala.

The Chief Administrative Officers,

Metro Railway at Delhi, Mumbai, Chennai, Bangalore.

Director, IRIEEN, Nasik and Director, Indian Railway Centre for Advance Maintenance Technology, Gwalior.

Principal, Railway Staff College, Vadodara

The Director General, (TI/Electrical Standards/PS & EMU), RDSO/ Lucknow

Chief Commissioner of Railway Safety, Lucknow,

CRS/Northern Circle/Central Circle/ Eastern Circle/ Southern Circle/

South Central Circle/ South Eastern Circle/Western Circle.

MD, RVNL, August Kranti Bhawan, Bhikaji Cama Place, New Delhi.

MD, DFCCIL, 5th floor, Paragati Maidan, Metro Station Bldg, New Delhi.

MD, MRVC, 2nd floor Churchgate Station Bldg, Mumbai.

MD/IRCON international Ltd C-4 District Centre, Saket, New Delhi.


Enclosed please find herewith Advance Correction Slip No. 25, adding a new Paragraph-33 to ACTM, Vol.II, Part II Appendix-I.

Executive Director/Railway Electrification (Projects)
Railway Board.

Copy to: Sr. PPS to ML, PPS to AML, Adv.(L)/G, Adv(RE), Adv(Safety), Adv.(V), Adv.(Signal), EDEE(L/RS), EDRE(S&T), EDEE(M), EDEE(Dev.), EDCE(G), DRE, DEE(RS), DEE(G), CEE/CR, CEE/WR, Sr. EDTI/RDSO, Director(Safety), JD(MTP), RB(Library), CEE/Core/ALD, ED(Electrical)/RVNL.
**ACTM Correction slip no. 25 dated 20.10.2014**

A new paragraph no. 33 is being added as given below in ACTM Vol. II, Part. II, Appendix-I.

Para 33: Design deviations permissible for 1500 volt DC OHE converted to 25 KV AC OHE in Mumbai and Pune divisions of Central Railway and Mumbai division of Western Railway:

<table>
<thead>
<tr>
<th>Existing</th>
<th>Proposed new addition of Paragraph - 33</th>
</tr>
</thead>
<tbody>
<tr>
<td>-NIL-</td>
<td><strong>a) Overlap:</strong> In converted OHE, the overlap spans are single span as against 3-4 spans in 25 KV AC OHE, laid down in ACTM para 5.6.</td>
</tr>
<tr>
<td></td>
<td><strong>b) Obligatory mast:</strong> In 25 KV AC OHE, obligatory masts is provided on turn outs, whereas in converted OHE obligatory mast may not be provided where there is constraint of space availability for locating the obligatory mast. Moreover, in converted OHE from DC to AC, Scissor type of turnout may be provided without obligatory structure but with knuckles.</td>
</tr>
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<td><strong>c) Regulated OHE:</strong> The tension length and regulation of 25 KV AC OHE is as per Para 13.0 whereas the converted OHE shall continue to be unregulated.</td>
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<td></td>
<td><strong>d) Span length of OHE:</strong> In 25 KV AC OHE the maximum permissible span is 72 m as per dropper schedule for regulated OHE with equal encumbrance 1.40/1.40 m, where as in converted OHE maximum permissible span as existed previously in 1500 Volt DC will continue.</td>
</tr>
<tr>
<td></td>
<td><strong>e) Contact wire gradient:</strong> The contact wire gradient in 25 KV AC OHE is to be maintained as per Para 7.4. In DC to AC converted OHE, this gradient and relative gradients may not be maintained, on account of constraint of vertical clearances.</td>
</tr>
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<td></td>
<td><strong>f) Cantilever assembly/Catenary assembly:</strong> In 25 KV AC OHE the arrangement of cantilever assembly is as per Para 19.0, whereas in converted OHE the arrangement of cantilever assembly as existed previously in 1500 Volt DC will continue.</td>
</tr>
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<td></td>
<td><strong>g) Size of catenary and contact wire for converted OHE:</strong> In 25 KV AC OHE, catenary wire of 65 sq. mm and contact wire of 107 sq. mm is provided as per table given on page 235 of ACTM. In converted OHE, catenary wire of size 323/242/129 sq. mm and contact wire of size 193/150 sq. mm, may also be used.</td>
</tr>
<tr>
<td></td>
<td><strong>h) Droppers and Jumpers:</strong> The droppers and jumpers in 25 KV AC OHE is governed by Para 10.0 and Para 12.0, whereas in converted OHE, the standard schedule of droppers and jumpers may not be followed depending upon the requirement at specific locations.</td>
</tr>
</tbody>
</table>

( N.R. Dash) 28/10/2014

Executive Director/Railway Electrification (Projects)
Railway Board.