

**Addendum-2 to Tender ASRT-04 Supply of UIC 60 IRS-T-12-2009 (60E1 profile), head hardened rail grade 1080 and UIC 60 Rail IRS-T-12-2009 (60E1 PROFILE), grade 880**

Sl. No	Reference	Original Tender Clause/Addendum-01	Amendment
A1	Section VI: Schedule of Requirements- ANNEX A	<p><b>Technical Proposal I Details to be submitted by the Tenderer's as a part of Technical Package:</b></p> <ol style="list-style-type: none"> <li>1. Proposal for No. of change over blooms will be in terms of Clause 4.3 of IRS-T-12-2009.</li> <li>2. The tenderer shall furnish details of the steel making process including refining, vacuum degassing, controlled cooling of bloom/rails etc. which will be followed, in terms of Clause 5.1 of IRS-T-12-2009.</li> <li>3. The Best accepted code of practice to be applied throughout manufacturing process to ensure that the rails meet the stipulations of this specification. The tenderer shall furnish the measures adopted for ensuring the same as per Clause 5.3 of IRS-T-12-2009. The Chemical Composition of rails for 1080 HH Grade shall be as per with up to date correction slips/corrigendum of IRS-T-12-2009.</li> <li>4. Furnish the method of heat treatment adopted by the manufacturer. The Hardness is to be achieved by heat treatment process only.</li> <li>5. Furnish details of on fine ultrasonic testing of rails to be followed as per Clause 10.3 of IRS-T-12-2009.</li> <li>6. Furnish the Clause-by-clause compliance/commentary on the provisions of IRS-T-12-2009 for 1080 grade Head Hardened rails.</li> <li>7. Furnish the proposal for the values /results obtainable for all the qualifying criteria tests mentioned in IRS-T-12-2009 for 1080 HH grade rails when conducted as per provisions of IRS-T-12-2009.</li> <li>8. Furnish the details of testing facilities, where the rails will be tested.</li> <li>9. Furnish the proposal of packing and shipment to demonstrate that no damage will be caused to Rails up to Chennai</li> <li>10. A confirmation in regard to weldability of 1080 HH grade rails proposed to be supplied as per IRS-T-12-2009 by short pre-heat process of Alumino-thermic welding technique as specified in Indian Railway Specification IRS-T-19 (latest version) for Fusion welding of rails by Alumino-Thermic process duly following the provisions of Indian Railway Manual for Alumino-Thermic welding.</li> <li>11. A confirmation in regard to use of 1080 HH grade rails supplied as per IRST-12-2009 for radius up to 90 m</li> <li>12. Any other pertinent technical information /detail, the tenderer may like to furnish.</li> <li>13. In case of the Indian manufacturer for Rail the manufacturing process and the product needs to be approved by RDSO.</li> </ol>	<p><b>Technical Proposal I Details to be submitted by the Tenderer's as a part of Technical Package:</b></p> <ol style="list-style-type: none"> <li>1. Proposal for No. of change over blooms will be in terms of Clause 4.3 of IRS-T-12-2009.</li> <li>2. The tenderer shall furnish details of the steel making process including refining, vacuum degassing, controlled cooling of bloom/rails etc. which will be followed, in terms of Clause 5.1 of IRS-T-12-2009.</li> <li>3. The Best accepted code of practice to be applied throughout manufacturing process to ensure that the rails meet the stipulations of this specification. The tenderer shall furnish the measures adopted for ensuring the same as per Clause 5.3 of IRS-T-12-2009. The Chemical Composition of rails for 1080 HH Grade shall be as per with up to date correction slips/corrigendum of IRS-T-12-2009.</li> <li>4. Furnish the method of heat treatment adopted by the manufacturer. The Hardness is to be achieved by heat treatment process only.</li> <li>5. Furnish details of on fine ultrasonic testing of rails to be followed as per Clause 10.3 of IRS-T-12-2009.</li> <li>6. Furnish the Clause-by-clause compliance/commentary on the provisions of IRS-T-12-2009 for 1080 grade Head Hardened rails.</li> <li>7. Furnish the proposal for the values /results obtainable for all the qualifying criteria tests mentioned in IRS-T-12-2009 for 1080 HH grade rails when conducted as per provisions of IRS-T-12-2009.</li> <li>8. Furnish the details of testing facilities, where the rails will be tested.</li> <li>9. Furnish the proposal of packing and shipment to demonstrate that no damage will be caused to Rails up to Chennai</li> <li>10. A confirmation in regard to weldability of 1080 HH grade rails proposed to be supplied as per IRS-T-12-2009 by short pre-heat process of Alumino-thermic welding technique as specified in Indian Railway Specification IRS-T-19 (latest version) for Fusion welding of rails by Alumino-Thermic process duly following the provisions of Indian Railway Manual for Alumino-Thermic welding.</li> <li>11. A confirmation in regard to use of 1080 HH grade rails supplied as per IRST-12-2009 for radius up to 90 m</li> <li>12. Any other pertinent technical information /detail, the tenderer may like to furnish.</li> </ol>