Reasoned document for the comments received on draft specification no. MP- 0.41.00.04 (Rev .04) for 'Technical specification of High capacity Rubber Buffer Springs for Side Buffers of B.G. locomotives.

Draft specification no. MP- 0.41.00.04 (Rev .04) for 'Technical specification of High capacity Rubber Buffer Springs for Side Buffers of B.G. locomotives' as per ISO procedure was uploaded on RDSO website for one month for comments/ suggestions. The draft specifications was also sent to all approved/ developmental vendors for comments and suggestions.

Only M/s Aryan Exportes pvt. Ltd., Lucknow vide letter no. AE/2018-19/RDSO/1/LSBP dated 30.07.2020 submitted their comments as 'No Comments'.
No comments has been received from zonal Railways, production units and any other party so far. Reasoned Statement based on comments received on draft spec and internal review at RDSO is tabulated below:

Clause of Spec.	Draft RDSO Spec. uploaded on website	Comments by the firms		Zonal Railways & PUs	Any other party	Stipulation in the Draft spec. with reason
1.	MP- 0.41.00.04 (Rev .04)	Aryan Exporters Pvt. Ltd., Lucknow	**No Comments**	NIL	NIL	As M/s Aryan submitted 'No comments' on draft spec and no comments has been received from any other any other vendor/ zonal railway, Pus & any other party. **Hence, No change is required.**
		Avadh Rail Infra Ltd, Lucknow	**NIL**			
		Basant Rubber Factory Pvt. Ltd, Mumbai	**NIL**			
		Frontier Alloy Steels Limited, Paonta Sahib	**NIL**			
		M.G.M. Rubber Company, Kolkata	**NIL**			
		Prag Industries (India) Pvt., Ltd Lucknow	**NIL**			

Following changes are proposed based on review in RDSO.

Clause of Spec.	Contents as per draft specification	Revised content	Reason for change
2.1.1	Steel: - The metal plates used as integral part of the rubber spring shall conform to IS: 2062 Fe 410WA	Steel: - The metal plates used as integral part of the rubber spring shall conform to IS: 2062 E 250 A .	Steel material has been revised as per latest IS:2062 : 2011 (Reaffirmed 2016)
2.3.1	The rubber springs shall be manufactured so as to be interchangeable as a complete pack, meeting the manufactured height requirement of 448 +4/–4 mm. The boundary dimensions and tolerances shall be as per the drawing no SK.DL- 4565 in the annexure. Wherever tolerance on rubber has not been specified, it shall be in accordance with clause	The rubber springs shall be manufactured so as to be interchangeable as a complete pack, meeting the manufactured height requirement of 448 +4/–4 mm. The boundary dimensions and tolerances shall be as per the drawing no SK.DL- 4565 in the annexure. Wherever tolerance on rubber has not been specified, it shall be in accordance with clause of ISO 3302 Part I of Table I class M4 or equivalent BIS standard.	Acceptance of Equivalent BIS standard has been considered along with ISO 3302 Part I as per latest guidelines and Make in India policy.

<table>
<tr><td></td><td>of ISO 3302 Part I of Table I class M4.</td><td></td><td></td></tr>
<tr><td>2.4</td><td>Schedule of Technical Requirements: As per STR No. MP-STR-LD-01-03-11 dated 02.02.2011</td><td>Schedule of Technical Requirements: As per STR No. MP-STR-LD-01-03-11 (Rev.01) or latest.</td><td>STR has been already revised to MP-STR-LD-01-03-11 (Rev.01), September' 2021.
Hence para has been revised accordingly.</td></tr>
<tr><td>6.4</td><td>The test pieces to be tested after accelerated ageing shall be cut up and then oven heated upto 70°C for 3 days. They shall then be prepared for 24 hours at 27°C ±2°C. The test shall be carried out in accordance with IS: 3400 part – IV- 1987.</td><td>The test pieces to be tested after accelerated ageing shall be cut up and then oven heated upto 70°C for 3 days. They shall then be prepared for 24 hours at 27°C ±2°C. The test shall be carried out in accordance with IS: 3400 part – IV latest.</td><td>IS: 3400 part –IV- 1987 is an obsolete version hence para has been revised to latest version.</td></tr>
<tr><td>13.0</td><td>New Para</td><td>After successful prototype development and testing in accordance with the test plan given at Annexure-1, field performance of the Rubber buffer spring shall be monitored for the quantity and period as specified in RDSO master list (MP-M-8.1-1 latest version).

To monitor field performance, quantity given in master list shall be fitted in loco side buffers and their performance shall be monitored for the period specified in RDSO master list (MP-M-8.1-1 latest version).

Field performance feedback will be obtained from zonal railways/ loco sheds in format as under:

<table><tr><td>S. No.</td><td>Shed/ Rly.</td><td>Loco No.</td><td>Date of fitment</td><td>Date of failure, if any</td><td>Reason of failure</td><td>Remarks on performance</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>
The acceptance criteria of field trial shall be the satisfactory field performance of the rubber buffer springs.</td><td>To incorporate field trial scheme in specification and standardize the field performance feedback format.</td></tr>
<tr><td>Annexure-1</td><td>New section</td><td>Test plan for prototype & regular inspection of High capacity Rubber buffer spring
(Page 9 to 17 of Final draft spec MP- 0.41.00.04 (Rev .04) .</td><td>Test plan for prototype & regular inspection has been added for clarity of type/ regular tests for acceptance the material.</td></tr>
</table>