



भारतीय मानक ब्यूरो
Bureau of Indian Standards
उपभोक्ता मामले, खाद्य और सार्वजनिक वितरण मंत्रालय
Ministry of Consumer Affairs, Food & Public Distribution
भारत सरकार

MINUTES OF THE MEETING

4th Meeting of TED 34

**Springs and Suspension
Systems Sectional Committee
26/09/2024 (Thursday)**

Chairperson

**Shri. V. V. SHINDE
Senior Deputy Director,
Structural Dynamics Lab
(SDL), ARAI**

Member Secretary

**G Ajit Kumar
Scientist-C
BIS Headquarters**

Members Present:

Sl No.	Organization	Name
1.	Automotive Research Association of India (Chairperson)	Shri V V Shinde
2.	Automotive Research Association of India	Shri Nitin Sinnarkar
3.	Advik Hi-Tech Private Limited, Pune	Shri kamalkishor kakade
4.	Anna University, Chennai	Dr.G.Venkatesan
5.	Ashok Leyland Limited, Chennai	Shri Faustino V
6.	Automotive Component Manufactures Association of India, New Delhi	Shri Sanjay Tank
7.	Central Institute of Road Transport, Pune	Shri Birendra Rawat
8.	Duroshox Private Limited, Pune	Shri Sachin Patki
9.	Jamna Auto Industries Limited, New Delhi	Shri Anuj Sharma
10.	Mahindra and Mahindra Limited, Mumbai	Ms. Pathak Pushpanajali
11.	Mahindra Trucks and Bus Division, Pune	Shri V G Kulkarni
12.	Mahindra Trucks and Bus Division, Pune	Shri Amit Patil
13.	Maruti Suzuki India Limited, Gurugram	Shri Arun Kumar
14.	Mubea Springs	Shri Amol Joshi
15.	Nirma University, Ahmedabad	Shashikant J Joshi
16.	Suzuki Motorcycle India Private Limited, Gurugram	Shri Avinash Khot
17.	Volvo Group India Private Limited, Bengaluru	Shri Gedela Chaitanya
18.	International Centre for Automotive Technology	Shri Ashish Singh
19.	Skoda Auto Volkswagen India Private Limited, Mumbai	Shri Raiwin

Item 0 Welcome & Opening Remarks

Shri. V. V. Shinde, Chairperson, welcomed all the members for the 4th Sectional committee Meeting of TED 34. He greatly appreciated the contribution made by the members towards the committee work. He requested all the members to take active part in the deliberations on various issues which were discussed as per the agenda. He also requested all the members to complete the work allotted to them within stipulated time frame so that the work of TED 34 is complete as per the time lines set for those activities.

Item 1 Confirmation of Minutes of the last meeting

No comments received on minutes of last meeting held virtually on 28.06.2024, Hence committee approved the minutes of 3rd sectional committee meeting of TED 34.

Item 2 Scope and Composition of Committee

2.1 The committee noted the information given in agenda

2.2 The committee noted the information given in agenda

2.3 The committee deliberated and decided to co-opt the following members

Sl No.	Organisation	Name
1	Jamna Auto Industries Ltd	Shri Anuj Sharma
2.	Duroshox	Shri Sachin Patki
3	Mahindra Trucks and Bus	Shri V G Kulkarni Shri Amit Patil
4	Volvo Group	Shri Gedela Chaitanya
5	Maruti Suzuki India Limited	Shri Arun Kumar
6	Suzuki Motorcycle	Shri Avinash Khot
7	Skoda Auto	Shri Raiwin

Item 3 Issues Arising out of Previous Meetings

S. No.	Document No.	Decision during 1st meeting	Deliberations during previous meeting	Decision in 4 th Meeting
1	ISO 22705-2:2023 Springs — Measurement and test parameters — Part 2: Cold formed cylindrical helical extension springs	During the last meeting, it was decided to adopt the standard once it is published by ISO. It is informed that the standard has been published in Feb 2023. The committee may DECIDE.	The committee decided to wide circulate the standard for 60 days. If no comments are received during WC period, the standard will be finalized for printing. The document is under publication stage.	The standard has been published. [IS 18622 (Part 2): 2024] The committee noted the information.

			The committee noted the information	
2	ISO/FDIS 22705-3 Springs — Measurement and test parameters — Part 3: Cold formed cylindrical helical torsion springs	During the last meeting, it was decided to adopt the standard once it is published by ISO. It is informed that the standard is currently at Finalized Draft International Standard (FDIS) stage.	The committee deliberated and decided to process the draft for WC Decision in 3rd Meeting The document is under WC stage and No comments were received. Hence the committee authorized member secretary to process the draft for publication.	The document is under publication stage. The committee noted the information.
3	IS 7906 (Part 3): 1975 Helical compression springs: Part 3 data sheet for specifications for springs made from circular section wire and bar	Mr. Amol Joshi presented the gap analysis. His submission is enclosed at Annex-2 of agenda. Mr. Amol Joshi was requested to ascertain whether IS 7906 needs to be revised or ISO may be adopted with modifications. Mr. Joshi requested for some time to submit a report on the same.	Decision in 3rd Meeting During the meeting Mr. Amol briefed the committee about the review. The committee deliberated and advised Member Secretary to prepare draft based on review and process it for WC for 60 days	The document in under Wide Circulation (WC). During the meeting Mr Amol joshi shared few editorial comments, committee decided to incorporate them and decide to process the draft for publication if no further comments during WC.
4	IS 7906 (Part 5) : 2004 Helical compression springs: Part 5 hot coiled springs made from circular section bars - Specification (Second Revision)	Mr. Amol Joshi presented the review of IS 7906 (Part 5) and is enclosed at Annex-3 of agenda. The committee decided to share the review with other spring manufacturers and invite inputs from them. Decision in 3rd Meeting The review is circulated among the committee members and inputs are awaited	Decision in 3rd Meeting During the meeting Mr. Amol briefed the committee about the review. The committee deliberated and advised Member Secretary to prepare draft based on review and process it for WC for 60 days.	The document in under Wide Circulation (WC). The committee deliberate and decided to process the draft for publication if no further comments during WC.
5	ISO 22705-1:2021 Springs — Measurement and	During the last meeting, it was decided to adopt ISO standard as Indian Standard. The standard	Decision in 3rd Meeting The document is under publication stage.	The standard has been published. [IS 18622 (Part 1): 2024]

	test parameters — Part 1: Cold formed cylindrical helical compression springs	was put under wide circulation on 09.08.2023 and has completed the wide circulation period of 60 days. No comment has been received on the document. The committee decided to finalize the document for printing.	The committee noted the information.	The committee noted the information.
6	IS 9801: 1981 Specification for laminated springs for railway rolling stock	The committee decided to work on further development of draft and the responsibility was assigned to M/S Autopins to prepare updated draft within 2 months. The committee requested member secretary to re-share the document & draft with M/s Autopins and follow up with them.	Decision in 3rd Meeting The committee deliberated and reassigned the standard to CIRT and advised them to submit their recommendation within 6 weeks.	CIRT briefed the committee about measurement of hardness of spring at multiple points. The committee deliberated and decided to incorporate the comment as it is in line with IS 1135:2018 and process the draft for WC for 60 days.
7	IS 7906: Part 1 : 1997 Helical compression springs: Part 1. design and calculation for springs made from circular section wire and bar (First Revision)	The committee decided to work on further development of draft and the responsibility was assigned to Shri Amol Joshi from M/S Mubea to prepare updated draft within 2 months.	The committee requested member secretary to re-share the document & draft with Mr Amol Joshi and follow up with them. Decision in 3rd Meeting The documents were resent and status awaited. Decision in 4th Meeting During the meeting Mr. Amol briefed the committee about the review. The committee deliberated and advised Member Secretary to reaffirm and archive the standard.	The standard has been archived and reaffirmed. The committee noted the information.
8	IS 7907: Part 4 : 1987	The committee decided to work on further development of draft and the responsibility was assigned to Shri Mayank	The committee requested member secretary to re-share the document & draft with Mr. Shitikant	ICAT recommended for reaffirm the standard.

	Specification for helical extension springs: Part 4 selection of standard cold coiled springs made - From circular section wire and bar	Agarwal from ICAT to prepare updated and forward it to BIS secretariat draft within 2 months	Padhy and follow up with them. Decision in 3rd Meeting The committee advised ICAT to complete the review within 4 weeks.	The committee deliberated and decided to reaffirm the standard.
9	IS 7864: Part 1 : 1975 Specification for upholstery springs: Part 1 conical type	The committee decided to work on further development of draft and the responsibility was assigned to Shri Nitin Sinnarkar from ARAI to prepare updated draft and forward it to BIS secretariat within 2 months The committee requested member secretary to re-share the document & draft with Mr Nitin Sinnarkar and follow up with them.	Decision in 3rd Meeting During the meeting Mr. Nitin Sinnarkar briefed the committee about the review. The committee deliberated and decided to archive the standard.	The standard has been archived and reaffirmed. The committee noted the information.

Item 4 International Activities

4.1 The committee noted the information given in the agenda.

4.2 The committee noted the information given in the agenda.

Item 5 Programme of Work (including periodic review of Standards)

5.1 The committee noted the information given in the agenda.

5.2 Periodic review of Indian Standards

The committee noted the information as given in the agenda.

The following standards are due for review

S.No.	IS Number & IS Title	Decision in previous meeting	Current Status
1	IS 10063 : 1982 Dimensions of end fittings of rear shock absorbers for scooters and motorcycles	The committee requested Mr. Nitin (ARAI) to review the standard. Decision in 3rd Meeting During the meeting Mr. Nitin Sinnarkar briefed the committee about the review.	Shri kamalkishor kakade reviewed the standard and recommended to archive the standard. The committee deliberated and decided to reaffirm the standard.

		The committee advised Shri kamalkishor kakade to go through the standard and submit the recommendation within 6 weeks	
2	IS 12648 : 1989 Automotive vehicles - End mountings of shock absorbers - Dimensions and tests	The committee requested Mr. Nitin (ARAI) to review the standard. Decision in 3rd Meeting During the meeting Mr. Nitin briefed the committee about the review. The committee deliberated and advised Mr Nitin to have deliberations with Shock absorbers manufacturers and submit the recommendation within 4 weeks. The committee also advised Shri kamalkishor kakade to go through the standard and submit the recommendation within 6 weeks	Shri kamalkishor kakade reviewed the standard are recommended to archive the standard. During the meeting Shri Sachin from Duroshox briefed the committee about review analysis carried by him. The committee deliberated and decided to prepare the draft accordingly and process it for WC for 60 days.
3	IS 5423 : 1989 Automotive vehicles - Shock absorbers - Specification (Second Revision)	The committee requested Mr. Nitin (ARAI) to review the standard. Decision in 3rd Meeting During the meeting Mr. Nitin briefed the committee about the review. The committee deliberated and advised Mr Nitin to have deliberations with Shock absorbers manufacturers and submit the recommendation within 4 weeks. The committee also advised Shri kamalkishor kakade to go through the standard and submit the recommendation within 6 weeks	Shri kamalkishor kakade reviewed the standard are recommended to archive the standard. During the meeting Shri Sachin from Duroshox briefed the committee about review analysis carried by him. The committee deliberated and decided to prepare the draft accordingly and process it for WC for 60 days.
4	IS 7906 (Part 5) : 2004 Helical compression springs: Part 5 hot coiled springs made from circular section bars - Specification (Second Revision)	The committee requested Mr. Amol Joshi to review the standard. Decision in 3rd Meeting The committee advised Mr. Amol Joshi to complete the review within 4 weeks. The committee also advised Shri Shashikant J Joshi to go through the standard and share the recommendation within 4 weeks	Please refer Sl No. 4 of Item 3
5	IS 7906 (Part 7) : 1989 Helical compression springs: Part 7	The committee requested Mr. Amol Joshi to review the standard. Decision in 3rd Meeting	During the meeting Shri Amol Joshi briefed the committee about review analysis carried by him.

	quality requirements for cylindrical coil compression springs used mainly as vehicle suspension springs	The committee advised Mr. Amol Joshi to complete the review within 4 weeks. The committee also advised Shri Shashikant J Joshi to go through the standard and share the recommendation within 4 weeks	The committee deliberated and decided to prepare the draft accordingly and process it for WC for 60 days.
6	IS 7906 (Part 8) : 1989 Helical compression springs: Part 8 method of inspection of hotcoiled compression springs made from circular section bars	The committee requested Mr. Amol Joshi to review the standard. Decision in 3rd Meeting The committee advised Mr. Amol Joshi to complete the review within 4 weeks. The committee also advised Shri Shashikant J Joshi to go through the standard and share the recommendation within 4 weeks	During the meeting Shri Amol Joshi briefed the committee about review analysis carried by him. The committee deliberated and decided to prepare the draft accordingly and process it for WC for 60 days.
7	IS 9574 : 2004 Leaf springs assembly clips - Specification (Second Revision)	The committee requested ICAT to review the standard. Decision in 3rd Meeting The committee deliberated and decided to reassign the standard to M/s. Jai Parabolic. The responsibility for sharing the standard and obtaining inputs from Jai Parabolic was given to Mr. Nitin from ARAI	The committee also advised Shri Anuj Sharma to go through the standard and share the recommendation within 4 weeks
8	IS 7906 (Part 2) : 1975 Helical compression springs: Part 2 specification for cold coiled springs made from circular section wire and bar	The committee requested Mr. Amol Joshi to review the standard. Decision in 3rd Meeting The committee advised Mr. Amol Joshi to complete the review within 4 weeks	During the meeting Shri Amol Joshi briefed the committee about review analysis carried by him. The committee deliberated and decided to prepare the draft accordingly and process it for WC for 60 days.

Item 6 Date and Place of Next Meeting

The committee deliberated and decided to have next sectional committee meeting of TED 34 to be held in the 3rd week of December 2024 in physical mode at M/s. Mubea Springs.

Item 7 Any Other Business

The chairman recommended the committee to formulate standards pertains to Metro Rails, there being no other business, the meeting ended with a hearty vote of thanks to the Chair.