



MINUTES OF THE MEETING

31st Meeting of TED 16

Bicycles Sectional Committee
Date: 26.04.2024
*Venue : MSME Development
Institute, Ludhiana*

Chairperson

Sh. Rakesh Pathak
GM, BISMARD,
Ludhiana

Member Secretary

Ravindra Beniwal
Scientist C / Deputy Director
BIS Headquarters

Item 0 Welcome and Opening Remarks

Item 1 Confirmation of Minutes of the last Meeting

The committee formally confirmed the minutes of last meeting held on 02.11.2023.

Item 2 Scope and Composition of Committee

- 2.1** *The committee noted the scope of work and recommended no change at present.*
- 2.2** The committee noted its updated composition as given in Annex-1.

Item 3 Issues Arising out of Previous Meetings

3.1 Standard on BMX Bicycles

The committee noted that standard on BMX bicycles is on Gazette Notification stage.

3.2 Draft on E-Bicycles

Dr. Thakur informed the committee that DPIIT desire to bring out Quality Control Order related to E Bicycles and requested to expedite the publication of the standard. The committee deliberated and decided to wide circulate the draft for E bicycle for 30 days period.

3.3 Issues raised by UCPMA in last meeting:

Following issue raised by UCPMA during last meeting:

| Issue | Deliberations | Decision in last meeting |
|--|--|--|
| <p>1) Dimensional Size of the Reflectors needs to be standardized - As ISO6742/2 mentions only the methods and the standardization on the quality perspective but does not include minimum dimensions required.</p> <p>2) Deviation of 20% from the standard photometric values on mass production in ISO6742/2 and aligning along with standards of the reflectors by Economic Commission for Europe (ECE) E/ECE/324 & E/ECE/TRANS/505 - The reason is that in the process of Injection Moulding, there are lots of uncontrollable variables.</p> | <p><u>During the 28th meeting</u></p> <p>1. Sh. Manjinder Singh informed that as per European Standards, 20% deviation is allowed in photometric tests.</p> <p>2. Sh. Vishwas Mehta (R&D Center for Bicycles & Sewing Machines) was requested to share the study on range of values for OK reflectors with the panel.</p> <p>3. The panel was directed to review the European standards and share their recommendations at the earliest with Member Secretary & other TED 16 committee members.</p> <p><u>Submission by R & D Centre for Bicycles and Sewing Machines</u></p> <p>Study on the reflectors carried out by R & D Centre for Bicycle and Sewing Machine, Ludhiana. “Data of 04 types of reflectors (Front-White, Rear-Red, and Side-Yellow & Pedal- Yellow) for the last one year was collected and analyzed. It was observed that the difference in photometric values of the reflectors of the same lot is more than 20%.”</p> <p><u>During the 29th Meeting</u></p> <p>Sh. K C Shrava, Panel convener and Sh. K B Thakur, AICMA, requested for 15 days’ time for the recommendations of the panel.</p> | <p><i>Sh Manjinder Singh updated the committee about the issue and the committee requested Sh Singh to formally submit revised draft within 1 month.</i></p> |

Item 4 Draft Standards/Amendments for Finalization

The committee discussed the comments received from Sh Pradeep Aggarwal on the draft of Bicycle- Mudguard. The committee the decided to refer the same to panel comprising R & D center, Hero Cycles, Citizen and requested them to invite Sh Aggarwal in discussion in next meeting so that the draft can be finalized.

The committee then decided to finalize the following 4 draft standards for publication -

| Document Number | Document Title |
|---|---|
| 1. TED/16/24369IS 628: 1993 | BICYCLE- PEDAL ASSEMBLY – SPECIFICATION |
| 2. TED/16/24068IS/ISO 6742 : PART 2: 2015(Identical To: ISO 6742-2 : 2023) | CYCLES LIGHTING AND RETRO-REFLECTIVE DEVICES PART 2 RETRO-REFLECTIVE DEVICES |
| 3. TED/16/23113IS 15533: 2018(Identical To: ISO 8098:2023) | CYCLES - SAFETY REQUIREMENTS FOR BICYCLES FOR YOUNG CHILDREN |
| 4. TED/16/23299IS 623: 2008 | BICYCLES BICYCLE FRAMES SPECIFICATION |

Item 5 Draft Standard/ Amendments for Approval for Wide Circulation

Item 3.2 may be referred.

Item 6 Drafts under Preparation/Circulation

Mr K C Sharva updated the committee that new drafts under preparation will be submitted to BIS within one month. The committee noted the same and requested Member Secretary to wide circulate the same once received.

Item 7 Comments on Published Standards

The committee noted that no comments have been received on Standards published by TED 16.

Item 8 New Subjects

8.1 The committee noted that two new subjects have been taken up and R & D projects will be commissioned by this month –

- a) Test Method for Vertical Fatigue Testing of Suspension Fork for Bicycles
- b) Requirements of Bottom Bracket (BB) Cartridge

Item 9 Technical Issues

The committee noted that no technical issues are pending.

Item 10 International Activities

10.1 The committee noted that BIS membership of ISO Technical Committee relevant to working of TED 16 is as following-

ISO/TC 149: Cycles (P)

ISO/TC 149/SC 1: Cycles and major sub-assemblies

ISO/TC 31/ SC 10: Motorcycle tyres and rims (metric series)

10.2 The committee deliberated on the list of standards published by above ISO committees and decided that in view of different situation prevailing in country, it is better to take assistance from ISO standards available and modifying them in Indian context rather than adopting all standards in toto.

Item 11 Programme of Work (including periodic review of Indian Standards)

The committee deliberated on following standards and decided that -

| IS No. | Title | Corresponding ISO | Latest Version of ISO | Decision |
|----------------------|--|-------------------|-----------------------|--|
| IS 14363 : 2018 | Cycles - Luggage carriers for bicycles - Requirements and test methods (Second Revision) | ISO 11243 : 2016 | ISO 11243:2023 | <i>A Panel comprising R &D centre and Hero Cycles may study and recommend further action</i> |
| IS 15533 : 2018 | Cycles - Safety requirements for bicycles for young children (First Revision) | ISO 8098 : 2014 | ISO 8098:2023 | <i>Send in publication after completion of WC period in case of no comments</i> |
| IS 16305 : 2017 | Cycle - Glossary of terms used in the bicycle industry | ISO 8090 : 1990 | ISO 8090:2019 | <i>A Panel comprising R &D centre and Hero Cycles may study and recommend further action</i> |
| IS/ISO 6742-2 : 2015 | Cycles - Lighting and retro - Reflective devices: Part 2 retro - Reflective devices (First Revision) | ISO 6742-2 : 2015 | ISO 6742-2:2023 | <i>Send in publication after completion of WC period in case of no comments</i> |

11.1 Periodic review of Indian Standards

The committee deliberated on the standards due for review and decided that-

| IS No. | TITLE | Decision |
|----------------------------------|---|--|
| IS 12426 : 1988 | Code of practice - For wrapping and packing of bicycle components and spare parts | <i>The committee noted that the standard may be of good use for the industry and referred it to the panel for review.</i> |
| IS 12474 : 1988 | Bicycle Steering Head Assembly (r Type) | <i>The committee noted that the standard has already been withdrawn.</i> |
| IS 1283 : 1995 | Bicycles - Free - Wheels - Specification (Second Revision) | <i>The committee decided to revise the standard as the Referred Standard IS 2500 (Part 1): 1992 Sampling inspection procedures: Part 1 Attribute sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection (second revision) and IS 2403: 1991 Short pitch transmission precision steel roller chains and chain wheels (second revision) have been revised.</i> |
| IS 2061 : 1995 | Bicycle - Front forks - Specification (First Revision) – Already under WC | <i>The committee decided to revise the standard as the Referred Standard IS 513: 1994 Cold-rolled low carbon steel sheets and strips has been revised.</i> |
| IS 624 : 2003 ISO 5775-2:1988 | Bicycles - Rims - Specification (Fourth Revision) - | <i>Already under WC</i> |
| IS 626 : 2009 | Bicycle - Seat pillars - Specification (Third Revision) | <i>Review may be allocated to any committee member</i> |
| IS 628 : 1993 | Bicycles - pedal assembly - specification (Second Revision) | <i>Already under WC</i> |

Item 12 Date and Place of Next Meeting

The committee decided that its next meeting will preferably be held at R &D Centre, Ludhiana. The date will be decided after completion of pending work.

Item 13 Any Other Business

There being no other business, the meeting ended with hearty vote of thanks.

Annex 1: Composition of the Committee

| S.No. | Organization | Member Name | Member Email |
|-------|--|-------------------------|----------------------------------|
| 1 | Research and Development Centre for Bicycle and Sewing Machine, Ludhiana | Rakesh Pathak | bsmcrd@gmail.com |
| 2 | All India cycle Manufacturers Association, New Delhi | Shri Zoheb Khan | zoheb1225@gmail.com |
| 3 | All India cycle Manufacturers Association, New Delhi | K B Thakur | sgaicma@gmail.com |
| 4 | Amar Wheels Private Limited, Ludhiana | Shri Karan Aggarwal | karan@amarindia.com |
| 5 | Avon Cycles Limited, New Delhi | Shri Onkar Singh Pahwa | avon@avoncycles.com |
| 6 | Avon Cycles Limited, New Delhi | Rajwinder Singh | head.projects@avoncycles.com |
| 7 | Central Tool Room, Ludhiana | Amit Prakash Sharma | info@ctrludhiana.com |
| 8 | Central Tool Room, Ludhiana | Sharnpal Singh Taggar | marketing@ctrludhiana.com |
| 9 | Citizen Press Components, Ludhiana | Manjinder Singh | info@citizencomponents.com |
| 10 | Controllerate of Quality Assurance, New Delhi | Shri Asoka Kumar MN | asokak.mn@gov.in |
| 11 | Controllerate of Quality Assurance, New Delhi | Shri Subir Roychowdhuri | subir.r22@gov.in |
| 12 | Department of Industries of Commerce, Haryana | Shashi Kant | shashikant.msme@gmail.com |
| 13 | Department of Industries of Commerce, Haryana | Ajay Kumar | qmcggnrubber@gmail.com |
| 14 | G-13 Bicycle Forum | Rajinder Jindal | g13bicycleforum@gmail.com |
| 15 | G-13 Bicycle Forum | UMESH KUMAR NARANG | g13bicycleforum@gmail.com |
| 16 | Hero Cycles, Ludhiana | S K Rai | sk_rai@herocycles.com |
| 17 | Hero Cycles, Ludhiana | K C Sharva | kc_sharva@herocycles.com |
| 18 | Hero Cycles, Ludhiana | Nitish Bharadwaj | nitish.bharadwaj@heroelectro.com |
| 19 | Hero Ecotech Limited, Ludhiana | Gurdeep Singh | gurdeep.singh@heroeco.com |
| 20 | Hero Ecotech Limited, Ludhiana | Surinder Pal | mr.mangli@heroeco.com |
| 21 | Institute for Auto Parts and Hand tools Technology, Ludhiana | Dr. Sanjeev Katoch | iatldh@iapht.org |
| 22 | Lucky Exports, Ludhiana | Shri Harsimer Jit Singh | luckyexportsindia@gmail.com |
| 23 | Lucky Exports, Ludhiana | Shri Sohrab Chhabra | luckyexports31@gmail.com |
| 24 | Metro Tyres Limited, Ludhiana | Samir Mayra | samir.mayra@metrogroup.co.in |
| 25 | Metro Tyres Limited, Ludhiana | Jagdeep Kumar Sablok | jk.sablok@metrogroup.co.in |
| 26 | Metro Tyres Limited, Ludhiana | Goutam Banerjee | goutam.banerjee@metrogroup.co.in |
| 27 | National Institute of Technology, Jalandhar | Dr. Raman Bedi | bedir@nitj.ac.in |
| 28 | Research & Development Centre For Bicycle and Sewing Machines, Ludhiana | Shri Vishwas Mehta | vishwasmehtha27@gmail.com |
| 29 | Research and Development Centre for Bicycle and Sewing Machine, Ludhiana | Rajeev Sharma | bsrdrks@gmail.com |
| 30 | Research and Development Centre for Bicycle and Sewing Machine, Ludhiana | Papinder Singh | papinder.rupal@gmail.com |

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|----|--|-----------------------------|----------------------------------|
| 31 | S.K. Bikes Private Limited, Ludhiana | Shri Mukesh Kumar | mukesh.sharma@skbikes.com |
| 32 | S.K. Bikes Private Limited, Ludhiana | Shri Sachin Lakra | slakra@skbikes.com |
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| 36 | Spark Engineering Private Limited, Ghaziabad | Shri Pradeep Kumar Aggarwal | pradeepkaggarwal@outlook.com |
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| 40 | United Cycle and Parts Manufacturers Association, Punjab | President | ucpma@ymail.com |
| 41 | United Cycle and Parts Manufacturers Association, Punjab | General Secretary | ucpma@ymail.com |
| 42 | Vishal Cycles Private Limited, Ludhiana | Shri Sanjeev Mahindru | vishalcycles@yahoo.in |
| 43 | Vishal Cycles Private Limited, Ludhiana | Bhim Sain | bhimarora09@yahoo.com |

(The attendance status can be found at the link https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/tech_dept/Meetings)