

**MINUTES OF 19<sup>th</sup> MEETING OF ABRASSIVES SECTIONAL COMMITTEE, PGD 09**

**29<sup>th</sup> May 2024**  
*FOR BIS USE ONLY*

**कार्यवृत्त**  
**MINUTES**

**19<sup>th</sup> MEETING OF ABRASSIVES SECTIONAL COMMITTEE, PGD 09**

**29<sup>th</sup> May 2024**  
**Wednesday**



**भारतीय मानक ब्यूरो**  
**मानक भवन, 9 बहादुरशाह ज़फर मार्ग,**  
**नई दिल्ली - 110002**

**BUREAU OF INDIAN STANDARDS**  
**MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG**  
**NEW DELHI – 110002**

# MINUTES

## 19th MEETING OF ABRASSIVES SECTIONAL COMMITTEE, PGD 09

**Date and Day:** 29th May 2024, Wednesday

**Time:** 10:30 hr

**Venue:** Delhi Branch office, BIS

**1. Chairperson:** **Shri Niranjana Sahasrabudhe**  
*In Personal Capacity*

**2. Member Secretary:** **Shri Ajay Kumar**  
*Scientist – B, Production and General Engineering Dept. Bureau of Indian Standards, New Delhi*

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### Members Present

Sl No.	Organization Name	Member Name	Contact Details
3	Bharat Heavy Electrical Limited, New Delhi	Shri Gagan Kumar	<a href="mailto:Niranjans56@gmail.com">Niranjans56@gmail.com</a> 9412903232
4	Bosch Limited, Bengaluru	Shri A P N Prabhakaran	<a href="mailto:APN.Prabhakaran@in.bosch.com">APN.Prabhakaran@in.bosch.com</a> 8884492202
5	Carborundum Universal Limited, Chennai	Shri M. Viswanathan	<a href="mailto:ViswanathanM@cumi.murugappa.com">ViswanathanM@cumi.murugappa.com</a> 9940132007
		Shri P Jagadeesan	<a href="mailto:jagadeesanp@cumi.murugappa.com">jagadeesanp@cumi.murugappa.com</a> 9840397390
6	Defence Materials and Stores Research and Development Establishment, Pune	Shri Vinod Kumar Pandey	9922618209
7	Directorate General of Quality Assurance, DQA (Stores), New Delhi	Shri D K Mohapatra	8116191622
		Shri D K Pujari	8795966669
8	Grindwell Norton Limited, Mumbai	Shri Eashwar Kumar Katarinagaraj	9901055663
9	Industrial Diamond Association of India, Mumbai	Shri Hemant Shah	9821209624
10	Mangirish plastics/LBCR Corporation	Shri Santosh Potnis	9930002079
11	Tata Motors	Shri Adithya Amilineni	
		Shri Tushar Baviskar	9822637763
12	In personal capacity	Shri Ajay Deshpande	

## **Item 0 GENERAL**

### **0.0 Welcome by Member Secretary**

At the 19th Meeting of Abrasives Sectional Committee, PGD 09, the Chairperson and members of the committee were warmly welcomed by the Member Secretary. During the meeting, the Member Secretary provided the committee with a brief overview of the work that had been accomplished during the 2023-24 financial year.

### **0.1 Opening Remarks by the Chairperson**

The Chairperson warmly greeted all committee members as they convened for the meeting, expressing appreciation for their presence amidst their demanding schedules. Grateful for their attendance, the Chairperson recognized and thanked each member for their significant contributions to the committee's endeavors, highlighting the importance of their individual expertise in driving the committee's goals forward. Acknowledging these valuable inputs, the Chairperson directed the members' focus towards the agenda items, thus commencing the meeting.

## **Item 1 CONFIRMATION OF THE PROCEEDINGS OF THE LAST MEETING**

As there were no comments or objections to the minutes of the previous meeting, the committee approved them accordingly.

## **Item 2 COMPOSITION OF THE SECTIONAL COMMITTEE**

The committee noted the information given in the agenda. The committee noted the absence of the following organization in given composition and requested the member secretary to add them accordingly:

1. Shri Vinod Kumar Pandey, Defence Materials and Stores Research and Development Establishment;
2. Shri M. Viswanathan from Carborundum Universal Limited, Chennai as an alternate member to the composition;
3. Shri Adithya Amilineni and Shri Tushar Baviskar from Tata motor
4. Shri Ajay Deshpanday, In personal Capacity
5. Shri Santosh Potnish, Mangirish plastics/LBCR Corporation
6. Shri Hemant Shah, Industrial Diamond Association of India, Mumbai

## **Item 3 DRAFT STANDARDS FOR FINALIZATION**

**3.1 PGD 9 (23616) IS 15290 Abrasive Grains Sampling and Splitting** — Specification was circulated on 21<sup>st</sup> May 2024. The last date of comment is 24th June 2024.

The committee deliberated on the draft standard. Mr. P Jagadeesan from M/S Carborundum Universal Limited, Chennai volunteered to review the draft and will provide the comments before the last date of the comments. The committee decided to send the document for printing after taking approval from the Chairman, in case no comment received till the last date of comment.

**3.2 PGD 9 (23641) IS 15287 : Part 3: 2018** Coated Abrasives Determination and designation of grain size distribution Part 3 Microgrit sizes P240 to P5000 — Specification was issued for wide circulation on 13<sup>th</sup> November 2023. The last date of comment is 12<sup>th</sup> December 2023.

The committee deliberated on the draft standard and Shri M Viswanathan from M/S Carborundum Universal Limited, Chennai volunteered to review the draft and will provide the comments before the last date of the comments. The committee decided to send the document for printing after taking approval from the Chairman, in case no comment received till the last date of comment.

**3.3 PGD 9 (25720) IS 14369** Abrasives belts — Designation, Dimensions and tolerances selection of width/length was issued for wide circulation on 22<sup>nd</sup> May 2024. The last date of comment is 21<sup>st</sup> June 2024.

The committee deliberated on the draft standard and Shri Mr. P Jagadeesan from M/S Carborundum Universal Limited, Chennai volunteered to review the draft and will provide the comments before the last date of the comments. The committee decided to send the document for printing after taking approval from the Chairman, in case no comment received till the last date of comment.

**Item 4 REVIEW OF PUBLISHED STANDARDS BEFORE THE YEAR 2000**

The committee deliberated on the following and decided allocating to the committee members for further review.

Sl. No.	IS No.	Title	Decision
1.	IS 1004 : 1980	Specification for valve grinding compound (First Revision)	Shri Eashwar Kumar Katarinagaraj from M/S Grindwell Norton Limited, Mumbai volunteered to review the standard.
2.	IS 10489 : 1983	Specification for steel dresser for abrasive wheels	
3.	IS 11643 : 1985	Specification for silicon carbide for bonded abrasive products	
4.	IS 12099 : 1987	Specification for triangular polishing blocks for the use in floor polishing machines	
5.	IS 11026 : 1984	Specification for razor hone	Shri Niranjan Sahasrabudhe (Chairperson) volunteered to review the standard.
6.	IS 1249 : 1997	Recommendations for selection of grinding wheels (Second Revision)	Shri P Jagadeesan from M/S Carborundum Universal Limited, Chennai volunteered to review the standard.
7.	IS 12686 : 1989 ANSI B 74.20	Abrasives - Diamond or cubicboron nitride micron powder sizes	
8.	IS 2817 : 1965	Methods for sampling of coated abrasives	
9.	IS 10519 : 1983	Specification for diamond abrasive circular	Shri Hemant Shah from M/S

		segmental saws	Industrial Diamond Association of India, Mumbai volunteered to review the standard.
10.	IS 13520 : 1992	Diamond abrasive frame saw blades – Specification	
11.	IS 13521 : 1992	Marking system for diamond/cubic boron nitride abrasive products	
12.	IS 12686 : 1989 ANSI B 74.20	Abrasives - Diamond or cubicboron nitride micron powder sizes	Shri Ajay Despande volunteered to review the standard.
13.	IS 1991 (Part 1) : 1987 ANSI B.7.1	Safety requirements for the use, care and protection of abrasive grinding wheels : Part 1 definitions (Second Revision)	
14.	IS 1991 (Part 2) : 1987 ANSI B.7.1	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 2 handling and storage (Second Revision)	
15.	IS 1991 (Part 3) : 1987 ANSI B.7.1	Safety requirements for the use, care and protection of abrasive grinding wheels: Part 3 general machine requirements (second revision)	
16.	IS 3178 : 1996	Abrasive emery grain - Specification (First Revision)	Committee deliberated and decided to archive this standard.
17.	IS 5201 : 1969	Methods for sampling of abrasive emery grain	Committee deliberated and decided to archive this standard.
18.	IS 5319 : 1987 F.F.S. 740(a)-65	Commercial steel, wool (First Revision)	The committee deliberated and decided that this standard does not fall under the scope of the committee and shall be transferred to the concerned committee. Till that time the committee decided to archive the standard.

### **Item 5 NEW SUBJECT**

The committee noted the information given in the agenda and advised member secretary to seek detailed information/ draft from Shri Preetham Reddy (M/S Abrasives India) as standards exist pertaining to “Resin Coated Abrasive products”.

### **Item 6 INTERNATIONAL ACTIVITIES**

**6.1** Member Secretary shared the details of the ISO Technical Committee 29, which focuses on Small tools, along with its various subcommittees and working groups. The committee approved the nomination of following members in different working groups of ISO TC 29 SC 5

<b>Sl No.</b>	<b>Working Group Name</b>	<b>Title</b>	<b>Expert Nominated</b>
1	ISO/TC 29/SC 5/WG 3	Coated Abrasives	i. Shri P. Jagadeesan, Carborundum Universal Limited, Chennai ii. Shri Eashwar Kumar Katarinagaraj, Grindwell Norton Limited, Mumbai iii. Shri Ajay Kumar, BIS
2	ISO/TC 29/SC 5/WG 5	Bonded Abrasives	i. Shri M. Viswanathan, Carborundum Universal Limited, Chennai ii. Shri Ajay Kumar, BIS
4	ISO/TC 29/SC 5/WG 8	Grain characteristics and grain sizes of diamond or cubic boron nitride	i. Shri Hemant Shah, Industrial Diamond Association of India, Mumbai ii. Shri Ajay Kumar, BIS
5	ISO/TC 29/SC 5/WG 9	Super abrasives	i. Shri Hemant Shah, Industrial Diamond Association of India, Mumbai ii. Shri M. Viswanathan, Carborundum Universal Limited, Chennai iii. Shri Ajay Kumar, BIS

**6.2** The committee noted the information given in the agenda.

### **Item 7 REVISION OF INDIAN STANDARDS HARMONIZED WITH ISO**

The committee noted the information given in the agenda and further deliberated and decided about the revision of IS/ISO Standard by the adoption of the latest published ISO standard.

<b>Sl No.</b>	<b>IS No.</b>	<b>IS Title</b>	<b>ISO Standard status</b>	<b>Decision taken</b>
1	IS 14992: 2012/ ISO 3919 : 2005	Coated abrasives - Flap wheels with shaft (First Revision)	Amendment has been issued in year 2014	The committee deliberated and decided to adopt the amendment of ISO 3919 : 2005. Member secretary shall issue the wide circulation draft for 30 days.
2	IS 15287 (Part 1) : 2003	Coated abrasives - Grain size analysis: Part 1 grain size distribution test	Merged with ISO 6344-2/3	The committee deliberated and decided to withdraw IS 15287 (Part 1) : 2003 as it will be covered in Part 2 and 3 of IS 15287.
3	IS 15425 : 2004/ ISO 9137	Abrasive grains -- Determinations of capillarity	Standard has been withdrawn	The committee requested the member secretary to find alternate standard which will supersede IS

				15425.
4	IS 551 : 2018/ ISO 525 : 2013	Bonded abrasive products - General requirements (Fourth Revision)	Standard has been revised in year 2020	Decision taken to wide circulate the document for a period of 30 days.
5	IS/ISO 603-8 : 1999 ISO 603-8 : 1999	Bonded Abrasive Products -- Dimensions Part 8 Grinding Wheels for Deburring and Fettling / Snagging	Standard has been revised in year 2024	The committee deliberated and decided to adopt the latest version of ISO 603-8 published in year 2024. Member Secretary will wide circulate the document for a period of 30 days..
6	IS/ISO 603-9 : 1999 ISO 603-9 : 1999	Bonded Abrasive Products -- Dimensions Part 9 Grinding Wheels for High-Pressure Grinding	Standard has been revised in year 2024	Decision taken to wide circulate the document for a period of 30 days.
7	IS/ISO 603-14 : 1999 ISO 603-14 : 1999	Bonded Abrasive Products --Dimensions Part 14 Grinding Wheels for Deburring and Fettling / Snagging on an Angle Grinder	Standard has been revised in year 2022	Decision taken to wide circulate the document for a period of 30 days.
8	IS/ISO 603-15 : 1999 ISO 603-15 : 1999	Bonded Abrasive Products -- Dimensions Part 15 Grinding Wheels for Cutting-Off on Stationary or Mobile Cutting-Off Machines	Standard has been revised in year 2022	Decision taken to wide circulate the document for a period of 30 days.
9	IS/ISO 603-16 : 1999 ISO 603-16 : 1999	Bonded Abrasive Products -- Dimensions Part 16 Grinding Wheels for Cutting-off on Hand Held Power Tools	Standard has been revised in year 2022	Decision taken to wide circulate the document for a period of 30 days.

#### **Item 8 PROGRAM OF WORK**

The committee noted the information given in the agenda.

#### **Item 9 DATE AND PLACE OF NEXT MEETING**

<b>Sl No.</b>	<b>Meeting No.</b>	<b>Date</b>	<b>Venue</b>
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<b>1</b>	<b>20<sup>th</sup> meeting</b>	<b>November 24</b>	<b>Mumbai</b>
<b>2</b>	<b>21<sup>st</sup> meeting</b>	<b>March 25</b>	<b>Bangalore</b>

**Item 10 ANY OTHER BUSINESS**

The e-mail address of BIS is as follows:

BIS: [info@bis.gov.in](mailto:info@bis.gov.in)

Website: [www.bis.gov.in](http://www.bis.gov.in)