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[Minutes of the 1st working panel meeting for Pipe Conveyor Belts, PGD 40: P01] 05 December 2024



Minutes

1st Panel Meeting PGD 40: P01 -Pipe Conveyor Belts

05 December, 2024

<https://bismanak.webex.com/bismanak/j.php?MTID=m1093a7497448ac73c23391ae7cdd5a78>



भारतीय मानक ब्यूरो
मानक भवन, 9 बहादुर शाह जफर मार्ग
नई दिल्ली -110002

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

BUREAU OF INDIAN STANDARDS

MINUTES

Meeting and committee	DATE & DAY		VENUE
1st working panel meeting for Pipe Conveyor Belts, PGD 40: P01	05 December, 2024 (Thursday)	02:30 pm	BIS, Headquarter, New Delhi (Hybrid Meeting)

Meeting link:	https://bismanak.webex.com/bismanak/j.php?MTID=m1093a7497448ac73c23391ae7cdd5a78
Meeting number:	2511 511 7878
Password:	PGD40:P1

Shri Vichitra Vir Singh, Member Secretary PGD 40

CONVENER: Shri Abhijit Nag, Convenor (PVUNL-Patratu, NTPC)

Item 0. GENERAL

0.1 Welcome address & opening remarks by the convener:

Shri Abhijit Nag, Convenor of the Working Panel, welcomed the members to the 1st Working Panel Meeting for Pipe Conveyor Belts (PGD 40: P01) held on 05 December 2024. He highlighted the growing importance of pipe conveyor belts in modern bulk material handling systems, particularly in industries such as mining, cement, power generation, and port operations.

He emphasized that pipe conveyor belts offer distinct advantages over conventional conveyor systems, including enhanced environmental protection through enclosed material transport, reduced spillage, and greater adaptability to complex layouts with horizontal and vertical curves. The development of standardized specifications and performance criteria, Shri Nag stated, would ensure reliability, durability, and efficiency in their use.

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Shri Nag encouraged the panel to deliberate on critical parameters such as material properties, belt construction, tensile strength, edge integrity, and the impact of operational conditions like temperature, abrasion, and dynamic loading. He stressed the importance of addressing challenges such as belt alignment, maintenance requirements, and lifecycle performance to create standards that are both practical and forward-looking.

He further underscored the need to harmonize Indian standards with globally recognized frameworks such as ISO and CEMA, ensuring that Indian manufacturers and industries remain competitive in the global market. Shri Nag also acknowledged the critical role of collaboration and knowledge sharing among experts from diverse fields, including manufacturing, user industries, testing agencies, and academia, to develop comprehensive and technically robust standards.

In conclusion, Shri Nag expressed his confidence in the collective expertise of the panel members and their ability to produce meaningful and high-impact outcomes for the advancement of pipe conveyor belt standards.

0.2 Address by the Member Secretary, Shri Vichitra Vir Singh

Shri Vichitra Vir Singh, Member Secretary of the Panel, welcomed all members to the **1st Working Panel Meeting for Pipe Conveyor Belts (PGD 40: P01)** held on 05 December 2024. He expressed his gratitude to the Convener and the esteemed panel members for their active participation and dedication to the standardization process.

In his address, Shri Singh underscored the pivotal role of the Bureau of Indian Standards (BIS) in facilitating the development of comprehensive standards to enhance safety, quality, and performance in various industrial domains. He reaffirmed BIS's commitment to providing the necessary guidance and resources to support the panel's activities, ensuring that the standardization efforts are aligned with the principles of transparency, technical rigor, and inclusivity.

He highlighted the critical importance of pipe conveyor belts in bulk material handling, especially in sectors like mining, cement, power, and port operations, where operational efficiency and environmental considerations are paramount. Shri Singh emphasized that the proposed standards must address key aspects such as material composition, belt construction, operational reliability, and resistance to wear and tear under diverse conditions.

Shri Singh also guided the panel on BIS's overarching goals of harmonizing national standards with international frameworks like ISO, ensuring that Indian standards remain globally competitive and cater to both domestic and international market needs. He encouraged the members to draw upon their diverse expertise to develop standards that encompass technical specifications, testing methodologies, and performance benchmarks, while also incorporating feedback from stakeholders and end-users.

In closing, Shri Singh expressed his confidence in the panel's ability to deliver standards that would not only benefit Indian industries but also establish a benchmark for innovation, sustainability, and safety in the field of pipe conveyor belts. He assured the panel of BIS's unwavering support and

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guidance throughout the process and thanked all members for their valuable contributions.

0.3 Address by the Chairman, Shri Apurba Gosh

Shri Apurba Gosh, Chairman of the Conveyor Belts Sectional Committee (PGD 40), addressed the panel members and expressed his appreciation for their participation in the **1st Working Panel Meeting for Pipe Conveyor Belts (PGD 40: P01)** held on 05 December 2024. Despite his busy schedule, Shri Gosh made time to join the meeting, emphasizing the importance of the task at hand and the critical role of this panel in advancing the field of pipe conveyor belt standardization.

In his address, Shri Gosh highlighted the growing demand for robust and reliable standards in pipe conveyor belts to support industries such as mining, power generation, and cement manufacturing. He commended the panel for taking up this significant responsibility and encouraged members to approach the task with dedication and technical precision.

He emphasized that the development of these standards would not only improve operational efficiency and safety in material handling but also contribute to environmental sustainability by addressing issues like spillage and dust control. Shri Gosh urged the panel to focus on creating standards that are comprehensive, practical, and aligned with international benchmarks, ensuring their applicability across diverse industries.

Shri Gosh extended his best wishes to the panel for a successful outcome and assured them of his full support and guidance throughout the standardization process. He expressed confidence in the expertise and commitment of the panel members to achieve meaningful and impactful results for the benefit of Indian industries and beyond.

Item 1 Panel Discussion:

The panel members of the 1st Working Panel Meeting for Pipe Conveyor Belts (PGD 40: P01) engaged in an in-depth and insightful discussion on the standardization of pipe conveyor belts. The meeting was held on 05 December 2024, with participation from esteemed experts representing diverse industries and organizations.

The discussion commenced with a review of the existing practices and challenges in the use of pipe conveyor belts across various sectors, including mining, power, cement, and ports. The members deliberated on several critical aspects, including:

The material properties and structural requirements of pipe conveyor belts.

Parameters such as tensile strength, abrasion resistance, edge integrity, and durability under diverse operational conditions.

Challenges in belt alignment, spillage control, and maintenance.

Testing methodologies and performance benchmarks.

The necessity for harmonization with international standards like ISO.

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The panel recognized the importance of developing standards that are not only robust and practical but also cater to the specific needs of Indian industries while maintaining global relevance.

During the discussion, Shri Timir Bhattacharyya, representing Forech India Limited, Sonipat, volunteered to prepare a preliminary draft standard for pipe conveyor belts. He assured the panel that the draft would encompass the key technical and operational aspects discussed during the meeting. Shri Bhattacharyya committed to submitting the draft within one month for further review and discussion by the panel members.

The panel appreciated Shri Bhattacharyya's initiative and contribution. The members unanimously agreed to review the draft in the next panel meeting and provide feedback to finalize the draft standard.

In conclusion, the panel expressed satisfaction with the progress made during the meeting and reiterated their commitment to achieving meaningful and high-quality outcomes for the standardization of pipe conveyor belts.

ITEM 2 COMPOSITION OF THE PANEL

Sl No.	Name	Organization	Contact Detail	Attendance
1.	Shri Abhijit Nag, Convenor	NTPC, PVUNL-Patratu, NTPC	Abhijitnag@ntpc.co.in 9650993428	Yes
2.	Mr Shakeel Ahmad, Member	TKIL Industries Pvt Ltd, Pune	Shakeel.Ahmad@tkil.com , 9011046972	No
3.	Shri Timir Bhattacharyya, Member	Forech India Limited, Sonipat	7358719500 timirb@forech.com	Yes
4.	Mr. Shekhar Kr Dey, Member	Forech India Limited	9831744449	Yes
5.	Shri A Chatterjee, Member	Macmet Engineering Ltd, Kolkata	9007000483 ak_macmet@yahoo.com	Yes
6.	Shri Chinmay Ray, Member	Oriental Rubber Industries Private Limited, Pune	9011094077 cray@orientalrubber.com	Yes
7.	Shri Vivek Kumar Upadhyay, Member	NTPC Hyderabad	9650998411 vivek.ksvnit@gmail.com	Yes
8.	Mr. P.S. Bhawal, Member	NRC Industries Limited, Amritsar	psbhawal@nrconveyor.com , 9830250122	No

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9.	Mr. Sanjay Kumar Malik	Lepton Projects Pvt Ltd, Gurugram	skumar@lepton.co.in 9811224030	Yes
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ITEM 3. Meeting will be held as per requirements of the panel in consultation with the Convenor of the Panel.

Item 4 ANY OTHER BUSINESS –

- New members who attended the panel meeting have been co-opted into the panel. Members are requested to take active participation in the meeting and share your input/comments/queries related to chains & sprockets standards to pgd@bis.gov.in, vichitravir007@bis.gov.in, pgd33@bis.gov.in .

Meeting concluded with a vote of thanks to the chair and all the members.