



# भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

## BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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### Basic Details

1.	Sectional Committee No. & Title:	MED 6-Continuous Bulk Conveying, Elevating, Hoisting Aerial Ropeways And Related Equipment
2.	IS No :	IS 4776 : Part 1 : 1977
3.	Title :	Specification for troughed belt conveyors: Part 1 troughed belt conveyors for surface installation
4.	Date of Review:	2020

### Review Analysis

#### 5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

S.No.	Standard (No.)	Standard (Title)	Whether the standard has since been revised	Major changes	Action proposed
1	IS 4776 : Part 1-1977	Specification for troughed belt conveyors: Part 1 troughed belt conveyors for surface installation	2004	BS 2890:1973 has been replaced by BS 8434:2004+A1:2010. This standard incorporates information previously contained within BS 2890 and include requirements with regards to basic conveyor and component selection, typical values for basic calculation	to be considered.

#### 5.2 Status of standard referred in the IS.

S.No.	Referred standards (No.)	Referred standards (Title)	Since revised IS no. of the corresponding IS	Changes in the referred Standards since last review of IS	If the corresponding IS is revised with reference to the referred Standards	Action proposed
1-	IS 1891 : Part 4-1978	Specification for rubber conveyor and elevator belting: Part 4 hygienic belting (First Revision)	1961, 1968, 1978, 1988, 1994	Refer standard IS 1891:1968 has been divided into five parts and all five parts covers belt conveyors using rubber.	-	Worth noting of the committee.
2-	IS 8598-2019	Idler and Idler Sets for Belt Conveyor — Specification ( Second Revision )	1997, 1987, 2019	no change	-	information will be the remain same.
3-	IS 8531-1986	Specification for pulleys for belt conveyors (First Revision)	1977, 1986	No change	-	Information will be remain the same.

**5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).**

S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed
1	No	-	-	Not any national/international standard is available to related subject.

**5.4 Technical comments on the standard received, if any.**

S.No.	Source	Clause of IS	Comment	Action proposed
No records found				

**5.5 Information available on relevant technical developments**

S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
1-	General	Can provide capstan break to reduce the effect of the shock waves and regulate the tension in the belt during an emergency stop, given in 2.3.3. <a href="https://www.sciencedirect.com/topics/engineering/belt-conveyor">https://www.sciencedirect.com/topics/engineering/belt-conveyor</a>	new clause on capstan break to be added.	to be considered.

**5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.**

S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
No records found					

**5.7 Any consequential changes to be considered in other IS.**

S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted
1-	IS 6687-2002	Code of practice for selection, storage, installation and maintenance of conveyor belting (First Revision)	Refer in clause 3.2, 9.2.3 for take-up requirement
2-	IS 4776 : Part 2-1977	Specification for troughed belt conveyors: Part 2 troughed belt conveyors for underground installation	Refer in clause 7.1 and 7.3 for idler sets and other requirements.
3-	IS 11592-2000	Selection and design of belt conveyors - Code of practice (First Revision)	Refer in clause 7.8, 8.12.5.4 for idler supporting and take-up values.

**Other Details**

6.	Any other observation:	Guide roller can be provided in this standard. Heavy duty urethane guide rollers for belt conveyor. They are used to keep the belt in line with the conveyor while running without damaging the edge of the belt.
7.	Supporting Document:	<a href="#">4776_1.pdf</a>

8.	Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:	<table border="1"><tr><td data-bbox="820 143 1458 255">1. BS 2890: 1973 Changes made to the standard should be given by the committee. 1. Designation of Referred Standard Superseded / Withdrawn should be updated in this.</td></tr></table>	1. BS 2890: 1973 Changes made to the standard should be given by the committee. 1. Designation of Referred Standard Superseded / Withdrawn should be updated in this.
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