



**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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## Review Document

### Basic Details

1.	Sectional Committee No. & Title:	MED 7 - Earth Moving Equipment and Material Handling
2.	IS No :	IS/ISO 7134 : 2013
3.	Title :	Earth - Moving machinery - Graders - Terminology and commercial - Specifications (First Revision)
4.	Date of Previous Review:	March, 2022

### 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	ISO 7134:2013	Earth - Moving machinery - Graders - Terminology and commercial $\frac{1}{2}$ Specifications. Issued by International Organization for Standardization	No revision	No change	The adopted ISO remains current

**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	Changes in the referred standard which are affecting the standard under review	Action proposed
1	IS 11114 (Part 2) : 2006	Earth-moving machinery $i_c/2$ Definitions of dimensions and codes: Part 2 Base machine (second revision) IS	(Second revision)	No change	The current version of the referred standard is incorporated in the current IS	The referred standard remains current
2	11114 (Part 3) : 2006	Earth-moving machinery $i_c/2$ Definitions of dimensions and codes: Part 3 Equipment and attachments	(Second revision)	No change	The current version of the referred standard is incorporated in the current IS	The referred standard remains current
3	ISO 5010 : 2007	Earth-moving machinery $i_c/2$ Rubber-tired machines $i_c/2$ Steering requirements	First revision in 2019	The standard has incorporated the provisions of ISO 6016, ISO 12100, ISO 10968 and ISO 18752 with the revision.	The current version of the referred standard needs to be incorporated in the current IS	Update with revised standard.
4	IS/ISO 7457 : 1997	Earth-moving machinery $i_c/2$ Determination of turning dimensions of wheeled machines	No revision	No change	The current version of the referred standard is incorporated in the current IS	The referred standard remains current
5	ISO 15550 : 2002	Internal combustion engines $i_c/2$ Determination and method for the measurement of engine power $i_c/2$ General requirements	Revised in 2016	The provision of ISO 2288 for agriculture tractors and machines has been withdrawn with the revision of the IS.	The current version of the referred standard needs to be incorporated in the current IS	Update with revised standard.

**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	AS ISO 7134:2021	Earth - Moving machinery - Graders - Terminology and commercial $i_c/2$ Specifications. Issued by Standards Australia	The given standard is the adopted version of the ISO as mentioned in clause 5(i) of the review performa.	No change required.

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

S.No.	Source	Clause of IS	Comment	Action proposed
No entry made in this table				

**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	Manufacturer (Non-licensee)	<a href="https://www.mahindraconstructionequipment.com/blog/use-of-grader-machine-and-its-equipment-in-construction">https://www.mahindraconstructionequipment.com/blog/use-of-grader-machine-and-its-equipment-in-construction</a>	Grader variety	The committee may review

**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 entry made in this table					

**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 17055 : Part 8-2020	Earth-Moving Machinery Safety Part 8 Requirements For Graders ( Second Revision )	Clause 3 - Terms and Definition
2	IS 14700 : Part 4 : Sec 1-2019	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 1 overview of the IEC 61000 - 4 series (Second Revision)	No reference found

**Other Details**

6.	Any other observation:	a) References can be updated with revision of the IS. b) The adopted ISO remains current, hence the given IS/ISO can be re-affirmed.
7.	Upload Supporting Document(s)	

<b>7.1 ARP Report</b>	<a href="#">68_21553_221101010243_ARP_Report.docx</a>
<b>7.2 Draft Document</b>	No Document Uploaded

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:	Base standard is ISO 7134 : 2013. As ISO standard has not been revised, so IS/ISO 7134 retains in the same.
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