



**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 20 - Pumps
2.	IS No :	IS 10804 : Part 1 : 2018
3.	Title :	Recommended pumping systems for agricultural purposes: Part 1 surface pumps (Third Revision)
4.	Date of Previous Review:	March, 2014

### 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	-	-	-	-	Nil

**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	1239 (Part 1) : 2004	Steel tubes, tubulars and other wrought steel fittings: Steel tubes (sixth revision)	No new revision	No change	-	No change
2	1239 (Part 2) : 2011	Steel tubes, tubulars and other wrought steel fittings: Steel pipe fittings (fifth revision)	No new revision	No change	-	No change
3	4984 : 1995	Specification for high density polyethylene pipes for water supply, (fourth revision)	Revised in 2016	No change	-	No change
4	4985 : 2000	Specification for unplasticised PVC pipes for potable water supplies (third revision)	Revised in 2021	No change	-	No change
5	6595 (Part 1) : 2002	Horizontal centrifugal pumps for 2002 clear, cold water: Part 1 Agricultural and rural water supply purposes (third revision)	Revised 2018	No change	-	No change
6	7347 : 1974	Performance of small size spark ignition engines for agricultural sprayers and similar applications	No new revision	No change	-	No change
7	7538 : 1996	Specification for three phase squirrel cage induction motors for centrifugal pumps for agricultural applications (first revision)	No new revision	No change	-	No change
8	9079 : 2002	Electric monoset pumps for clear, cold water for agricultural and water supply purposes (second revision)	Revised in 2018	No change	-	No change
9	9694 (Part 1) : 1987	Code of practice for the selection, installation, operation and maintenance of horizontal centrifugal pumps for agricultural applications : Part 1: Selection (first revision)	Revised in 2023	No change	-	No change
10	10124 (Part 8) : 2009	Specification for fabricated PVC- U fittings for potable water : Part 8 Specific requirements for 90 degree bends (second revision)	No new revision	No change	-	No change
11	10805 : 1986	Foot valves, reflux valves or non return valves and bore valves to be used in suction lines of agricultural pumping systems (first revision)	Revised in 2022	No change	-	No change
12	11170 : 1985	Performance requirements for constant speed compression ignition (diesel) engines for agricultural purposes (up to 20 kW)	No new revision	No change	-	No change
13	11346 : 2002	Tests for agricultural and water supply pumps Code of acceptance (first revision)	No new revision	No change	-	No change
14	11501 : 1986	Specification for engine monoset pumps for clear, cold, water for agricultural purposes	No new revision	No change	-	No change
15	12231 : 1987	Specification for unplasticized PVC pipes for use in suction and delivery lines of agricultural pumpsets	No new revision	No change	-	No change
16	13593 : 1992	UPVC pipe fittings for use with UPVC pipes in the suction and delivery lines of agricultural pumps Specification	No new revision	No change	-	No change
17	14263 : 1995	Tapers for agricultural pumping systems	No new revision	No change	-	No change

**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 other national/international standard was found on the subject.

**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)	IJERT has been published a document on Agricultural Water Pumping System with Auto Tracking, it may be considerable while reviewing the standard. Link: Agricultural Water Pumping System with Auto Tracking <a href="#">IJERT</a>	-	The committee may consider.
2	Manufacturer (Non-licensee)	Energy Group, PRAYAS has been published a document on Agricultural pumping efficiency in India : Role of standards. It may be useful while reviewing the standard. Link: <a href="https://prayaspune.org/girish-sant/images/pdf/ipsstandardsesd004a01.pdf">https://prayaspune.org/girish-sant/images/pdf/ipsstandardsesd004a01.pdf</a>	-	The committee may consider while reviewing the standard.

**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 14536-2018	Selection, installation, operation and maintenance of submersible pumpset - Code of practice (First Revision)	Refer in clause 6.8 for higher diameter of pipes requirement.
2	IS 14263-1995	Tapers for agricultural pumping systems - Specification	Refer in foreword for suction and delivery pipe requirement.
3	IS 9283-2013	Motors for submersible pumpsets - Specification (Second Revision)	Refer in foreword.
4	IS 6595 : Part 1-2018	Horizontal centrifugal pumps for clear, cold water - Specification: Part 1 agricultural and rural water supply purposes (Fourth Revision)	Refer in clause 8.1 for suitable feature property designed requirement.

**Other Details**

6.	Any other observation:	<a href="#">IJERT</a> The cross refer standard should be updated with current revision.
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7.	Upload Supporting Document(s)					
<table border="1"> <tr> <td data-bbox="137 210 619 275"><b>7.1 ARP Report</b></td> <td data-bbox="619 210 1457 275"><a href="#">68_1698_231205112324_ARP_Report.docx</a></td> </tr> <tr> <td data-bbox="137 275 619 344"><b>7.2 Draft Document</b></td> <td data-bbox="619 275 1457 344" style="text-align: center; color: red;">No Document Uploaded</td> </tr> </table>			<b>7.1 ARP Report</b>	<a href="#">68_1698_231205112324_ARP_Report.docx</a>	<b>7.2 Draft Document</b>	No Document Uploaded
<b>7.1 ARP Report</b>	<a href="#">68_1698_231205112324_ARP_Report.docx</a>					
<b>7.2 Draft Document</b>	No Document Uploaded					
8.	<p>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:</p>	<p>The committee may consider the above information and take the standard for revision/reaffirmation.</p>				