

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MED 20 : Pumps

Scope: a)Formulation of standards on components, equipment, methods of tests and code of practices for different type of pumps, excluding handpumps. b)Co-ordination of work with ISO/TC 115 Pumps.

Liaison: **TC-115 (P): Pumps TC-115 SC-1 (P): Dimensions and technical specifications of pumps TC-115 SC-2 (P): Methods of measurement and testing TC-115 SC-3 (P): Installation and special application**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10572 : 1983 <i>Reviewed In : 2020</i>	Methods of sampling for pumps	April, 2020	1	Indigenous
2	IS 10596 (Part 1) : 1983 <i>Reviewed In : 2022</i>	Code of practice for selection, installation, operation and maintenance of pumps for industrial applications: Part 1 selection	December, 2022	-	Indigenous
3	IS 10596 (Part 2) : 1983 <i>Reviewed In : 2022</i>	Code of practice for selection, installation, operation and maintenance of pumps for industrial applications: Part 2 installation	December, 2022	-	Indigenous
4	IS 10596 (Part 3) : 1983 <i>Reviewed In : 2022</i>	Code of practice for selection, installation, operation and maintenance of pumps for industrial applications: Part 3 operation	December, 2022	-	Indigenous
5	IS 10596 (Part 4) : 1983 <i>Reviewed In : 2022</i>	Code of practice for selection, installation, operation and maintenance of pumps for industrial applications: Part 4 maintenance	December, 2022	-	Indigenous
6	IS 10804 : 2018 <i>Reviewed In : 2023</i>	Recommended pumping systems for agricultural purposes: Part 1 surface pumps (Third Revision)	May, 2023	-	Indigenous
7	IS 10804 (Part 2) : 2018 <i>Reviewed In : 2023</i>	Recommended pumping systems for agricultural purposes: Part 2 submersible pump sets (Third Revision)	May, 2023	-	Indigenous
8	IS 10805 : 2022	Foot-Valves, Reflux Valves or NonReturn Valves and Bore Valves to be Used in Suction Lines of Agricultural Pumping Systems • Specification ( Second Revision )		-	Indigenous

9	IS 10981 : 1983 Reviewed In : 2022	Code of acceptance test for centrifugal, mixed flow and axial pumps - Class B	December, 2022	-	Indigenous
10	IS 11346 : 2002 Reviewed In : 2022	Tests for agricultural and water supply pumps - Code of acceptance (First Revision)	December, 2022	3	Indigenous
11	IS 11382 : 2022 ISO 3069: 2000 ISO 3069: 2000	End-suction centrifugal pumps Dimensions of cavities for mechanical seals and for soft packing		-	Identical under dual numbering
12	IS 11501 : 2023	Engine Monoset Pumps for Clear, Cold, Water for Agricultural Purposes $\frac{1}{2}$ Specification ( First Revision )		-	Indigenous
13	IS 11745 : 1986 Reviewed In : 2021	Technical supply conditions for positive displacement pumps - Reciprocating	October, 2021	-	Indigenous
14	IS 12225 : 1997 Reviewed In : 2022	Centrifugal jet pump - Specification (First Revision)	October, 2022	2	Indigenous
15	IS 12469 : 2019 Reviewed In : 2024	Specification of pumps for stationary fire fighting installations (First Revision)	March, 2024	-	Indigenous
16	IS 12699 : 1989 Reviewed In : 2023	Selection, installation, operation and maintenance of jet centrifugal pump combination - Code of practice	November, 2023	2	Indigenous
17	IS 13139 : 1992 ISO 3661 Reviewed In : 2022 ISO 3661: 1977	End - Suction centrifugal pumps - Baseplate and installation dimensions	October, 2022	-	Identical under dual numbering
18	IS 13518 : 1992 ISO 2858 Reviewed In : 2022 ISO 2858: 1975	End - Suction centrifugal pumps (Rating 16 Bar) - Designation, nominal duty point and dimensions	March, 2022	-	Identical under dual numbering
19	IS 13538 : 1993 ISO 5198 Reviewed In : 2022 5198: 1987	Centrifugal, mixed flow and axial pumps - Code for hydraulic performance tests - Precision class	October, 2022	-	Identical under dual numbering
20	IS 14220 : 2018 Reviewed In : 2022	Openwell submersible pumpsets - Specification (First Revision)	October, 2022	1	Indigenous
21	IS 14263 : 1995 Reviewed In : 2024	Tapers for agricultural pumping systems - Specification	April, 2024	1	Indigenous
22	IS 14536 : 2018 Reviewed In : 2023	Selection, installation, operation and maintenance of submersible pumpset - Code of practice (First Revision)	July, 2023	-	Indigenous
23	IS 15657 : 2021 ISO 13709 ISO 13709	Centrifugal pumps for petroleum petrochemical and natural gas industries		-	Identical under dual numbering
24	IS 16537 : 2016 ISO 21049 : 2004 Reviewed In : 2021 ISO 21049 : 2004	Pumps - Shaft sealing systems for centrifugal and rotary pumps	April, 2021	-	Identical under dual numbering
25	IS 17018 (Part 1) : 2022	Solar Photovoltaic Water Pumping Systems Part 1 Centrifugal Pumps Specification		-	Indigenous
26	IS 1710 : 2021	Vertical Turbine Pumps - Specification ( Third Revision )	-	-	Indigenous

27	IS 17292 : 2020	Pumps â€™ Minimum Required Efficiency of Rotodynamic Water Pumps		1	Indigenous
28	IS 17429 : 2020	Solar Photovoltaic Water Pumping Systems - Testing Procedure - Guidelines		-	Indigenous
29	IS/ISO/TR 17766 : 2005 IS/ISO/TR 17766 : 2005 Reviewed In : 2023 ISO/TR 17766 : 2005	Centrifugal pumps handling viscous liquids - Performance corrections	November, 2023	-	Identical under single numbering
30	IS/ISO 21630 : 2007 ISO 21630 : 2007 Reviewed In : 2021 ISO 21630 : 2007	Pumps - Testing - Submersible mixers for wastewater and similar applications	January, 2021	-	Identical under single numbering
31	IS 5120 : 1977 Reviewed In : 2021	Technical requirements for rotodynamic special purpose pumps (First Revision)	October, 2021	6	Indigenous
32	IS/ISO 5199 : 2002 Reviewed In : 2023 ISO 5199 : 2002	Technical specifications for centrifugal pumps - Class II	November, 2023	-	Identical under single numbering
33	IS 5600 : 2002 Reviewed In : 2022	Pumps - Sewage and drainage - Specification (First Revision)	December, 2022	-	Indigenous
34	IS 5639 : 1970 Reviewed In : 2021	Specification for pumps handling chemicals and corrosive liquids	October, 2021	-	Indigenous
35	IS 5659 : 1970 Reviewed In : 2021	Specification for pumps for process water	October, 2021	1	Indigenous
36	IS 6536 : 1972 Reviewed In : 2021	Specification for pumps for handling volatile liquids	October, 2021	-	Indigenous
37	IS 6595 (Part 1) : 2018 Reviewed In : 2022	Horizontal centrifugal pumps for clear, cold water - Specification: Part 1 agricultural and rural water supply purposes (Fourth Revision)	October, 2022	1	Indigenous
38	IS 6595 (Part 2) : 2024	Horizontal Centrifugal Pump for Clear, Cold Water Part 2 General Purpose (Other than Agricultural and Rural Water Supply) â€™ Specification (Third Revision)		-	Indigenous
39	IS 6595 (Part 2) : 1993 Reviewed In : 2022	Horizontal centrifugal pumps for clear, cold water: Part 2 general purpose (Other than agricultural and rural water supply) - Specification (Second Revision)	October, 2022	-	Indigenous
40	IS 6596 : 1972 Reviewed In : 2021	Specification for pumps for handling paper stock	October, 2021	-	Indigenous
41	IS 8034 : 2018 Reviewed In : 2022	Submersible pumpsets - Specification (Third Revision)	October, 2022	2	Indigenous
42	IS 8418 : 1999 Reviewed In : 2023	Pumps - Centrifugal self priming - Specification (First Revision)	March, 2023	1	Indigenous
43	IS 8472 : 2019 Reviewed In : 2019	Centrifugal regenerative pumps for clear, cold water - Specification (Second Revision)	-	1	Indigenous
44	IS 9079 : 2018 Reviewed In : 2022	Monoset pumps for clear, cold water for agricultural and water supply purposes - Specification	October, 2022	1	Indigenous

(Third Revision)					
45	IS 9137 : 2019 <i>Reviewed In : 2024</i>	Code for Hydraulic Performance Acceptance Tests for Centrifugal, Mixed and Axial Flow Pumps - Class C (First Revision)	March, 2024	-	Indigenous
46	IS 9201 : 1987 <i>Reviewed In : 2022</i> Decision taken to Reaffirm and Archive	Specification for pumps for handling slurry (First Revision)	December, 2022	-	Indigenous
47	IS 9542 : 1980 <i>Reviewed In : 2017</i>	Specification for horizontal centrifugal monoset pumps for clear, cold, fresh water	December, 2017	2	Indigenous
48	IS 9694 (Part 1) : 2023	Selection, Installation, Operation and Maintenance of Horizontal Centrifugal Pumps for Agriculture Application $\frac{1}{2}$ Code of Practice Part 1 Selection ( second revision)		-	Indigenous
49	IS 9694 (Part 2) : 2023	Selection, Installation, Operation and Maintenance of Horizontal Centrifugal Pumps for Agriculture Application $\frac{1}{2}$ Code of Practice Part 2 Installation ( First Revision)		-	Indigenous
50	IS 9694 (Part 3) : 2023	Selection, Installation, Operation and Maintenance of Horizontal Centrifugal Pumps for Agriculture Application $\frac{1}{2}$ Code of Practice Part 3 Operation		-	Indigenous
51	IS 9694 (Part 4) : 2023	Selection, Installation, Operation and Maintenance of Horizontal Centrifugal Pumps for Agriculture Application $\frac{1}{2}$ Code of Practice Part 4 Maintenance ( First Revision )		-	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MED 20 (25854)	PUMPS CENTRIFUGAL SELF PRIMING SPECIFICATION
2	MED 20 (25862)	SELECTION INSTALLATION OPERATIONAND MAINTENANCE OF CENTRIFUGAL JET PUMP CODE OF PRACTICE

3	MED 20 (26676)	TAPERS FOR AGRICULTURAL PUMPING SYSTEMS SPECIFICATION
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### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MED 20 (24933) Revision of: IS 10596:1983	SELECTION INSTALLATION OPERATION AND MAINTENANCE OF PUMPS FOR INDUSTRIAL APPLICATIONS CODE OF PRACTICE PART 1 SELECTION
2	MED 20 (24936) Revision of: IS 10596:1983	SELECTION INSTALLATION OPERATION AND MAINTENANCE OF PUMPS FOR INDUSTRIAL APPLICATIONS CODE OF PRACTICE PART 2 INSTALLATION
3	MED 20 (24937) Revision of: IS 10596:1983	SELECTION INSTALLATION OPERATION AND MAINTENANCE OF PUMPS FOR INDUSTRIAL APPLICATIONS CODE OF PRACTICE PART 3 OPERATION
4	MED 20 (24939) Revision of: IS 10596:1983	SELECTION INSTALLATION OPERATION AND MAINTENANCE OF PUMPS FOR INDUSTRIAL APPLICATIONS CODE OF PRACTICE PART 4 MAINTENANCE

### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MED 20 (20405) Revision of: IS 12225:1997	CENTRIFUGAL JET PUMP SPECIFICATION

**Total Published Standards:46 Total Standards Under development:8**

### Aspect Wise Report

Product : 18  
Code of Practices : 16  
Methods of Test : 6  
Terminology : 1  
Dimensions : 3  
System Standard : 0  
Safety Standard : 0  
Others : 2  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 11053 : 1983 Reviewed In : 1996	Process pumps
2	IS 13537 : 1993 Reviewed In : 2011	Technical specification for centrifugal pumps class 2
3	IS 1710 : 1989 IEC 60071-5:2014	Vertical Turbine Pumps - Specification Third Revision
4	SP 56 : 1994	Location Operation and Maintenance of Tube Bore Wells - Guidelines
5	SP 58 : 1995	Handbook on Pumps for Drinking Water Supply
6	IS 8034 : 2002 Reviewed In : 2012	Submersible Pumpsets - Specification
7	IS 8472 : 1998 Reviewed In : 2014 ISO 4606:1995	Pumps - Regenerative or clear cold water
8	IS 9079 : 2002 Reviewed In : 2012 ISO 1887:2014	Electric Monoset Pumps for Clear Cold Water for Agricultural and Water Supply Purposes

**Annexure-II :List of Indian Product Standards**

SI. No.	IS No. & Year	Title
1	IS 10805 : 2022 IEC TS 62257-5:2015	Foot-Valves Reflux Valves or NonReturn Valves and Bore Valves to be Used in Suction Lines of Agricultural Pumping Systems Specification Second Revision
2	IS 11501 : 2023	Engine Monoset Pumps for Clear Cold Water for Agricultural Purposes Specification First Revision
3	IS 12225 : 1997 Reviewed In : 2022	Centrifugal jet pump - Specification First Revision
4	IS 12469 : 2019  Reviewed In : 2024	Specification of pumps for stationary fire fighting installations First Revision
5	IS 14220 : 2018  Reviewed In : 2022	Openwell submersible pumpsets - Specification First Revision
6	IS 14263 : 1995 Reviewed In : 2024	Tapers for agricultural pumping systems - Specification
7	IS 17018 (Part 1) : 2022	Solar Photovoltaic Water Pumping Systems Part 1 Centrifugal Pumps Specification
8	IS/ISO 5199 : 2002 Reviewed In : 2023 ISO 5199 : 2002	Technical specifications for centrifugal pumps - Class II
9	IS 5600 : 2002 Reviewed In : 2022	Pumps - Sewage and drainage - Specification First Revision
10	IS 5639 : 1970 Reviewed In : 2021	Specification for pumps handling chemicals and corrosive liquids
11	IS 5659 : 1970 Reviewed In : 2021	Specification for pumps for process water
12	IS 6536 : 1972 Reviewed In : 2021	Specification for pumps for handling volatile liquids
13	IS 6595 (Part 1) : 2018  Reviewed In : 2022	Horizontal centrifugal pumps for clear cold water - Specification Part 1 agricultural and rural water supply purposes Fourth Revision
14	IS 6595 (Part 2) : 2024	Horizontal Centrifugal Pump for Clear Cold Water Part 2 General Purpose Other than Agricultural and Rural Water Supply Specification Third Revision
15	IS 6596 : 1972 Reviewed In : 2021	Specification for pumps for handling paper stock
16	IS 8418 : 1999 Reviewed In : 2023	Pumps - Centrifugal self priming - Specification First Revision
17	IS 9201 : 1987 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for pumps for handling slurry First Revision
18	IS 9542 : 1980 Reviewed In : 2017	Specification for horizontal centrifugal monoset pumps for clear cold fresh water