#### **BUREAU OF INDIAN STANDARDS**

### **Program of Work**

### MED 28: Mechanical Vibration And Shock Condition Monitoring

Scope: a) Formulation of standards on mechanical vibration and shock including: i) Terminology ii)

Excitation by sources, such as machines, and vibration and shock testing devices; iii) Elimination, reduction and control, especially by balancing, isolation and damping iv)

Measurement and human evaluation of shock and vibration exposure v) Methods and means of

measurement and calibration vi) Methods of testing b) Co-ordination of work with ISO/TC

108, Mechanical vibration and shock

Liaison: TC-108 (P): Mechanical vibration, shock and condition monitoring TC-108

SC-2 (P): Measurement and evaluation of mechanical vibration and shock as applied to

machines, vehicles and structures TC-108 SC-4 (P): Human exposure to mechanical vibration

and shock TC-108 SC-5 (P): Condition monitoring and diagnostics of machine

systems **TC-108 SC-6 (P):** Vibration and shock generating systems

### **Published Standards**

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO 10055:1996	Mechanical vibration - Vibration	September, 2022	-	Identical under single
	Reviewed In: 2022	Reviewed In: 2022 testing requirements for shipboard			numbering
	ISO 10055 : 1996	equipment and machinery			
		components			
2	IS/ISO	Mechanical vibration - Laboratory	June, 2025	-	Identical under single
	10326-1:2016	method for evaluating vehicle seat			numbering
	ISO 10326-1 : 2016	vibration: Part 1 basic			
	Reviewed In: 2025	requirements			
	ISO 10326 : Part 1 :				
	2016				
3	IS/ISO 10815:2016	Mechanical vibration -	June, 2025	-	Identical under single
	ISO 10815 : 2016	Measurement of vibration			numbering
	Reviewed In: 2025	generated internally in railway			
	ISO 10815 : 2016	tunnels by the passage of trains			
4	IS/ISO	Mechanical vibration - Evaluation	April, 2019	-	Identical under single
	10816-4:2009	of machine vibration by			numbering
		measurements on non - Rotating			
	Reviewed In: 2019	parts: Part 4 gas turbine sets with			
	ISO 10816 : Part 4 :	fluid - Film bearings			
	2009				
5	IS 11726:2017	Mechanical vibration of rotating	January, 2022	-	Identical under dual
	ISO 2954 : 2012	and reciprocating machinery -			numbering
	Reviewed In: 2022	Requirements for instruments for			
	ISO 2954 : 2012	measuring vibration severity (First			
		Revision)			
6	IS 13276 (Part	Mechanical vibration and shock -	December, 2024	1	Identical under dual
	1):2000	Evaluation of human exposure to			numbering
	ISO 2631-1	whole body vibration: Part 1			

	Reviewed In: 2024 ISO 2631-:1997	general requirements (First Revision)			
7	IS 13281:1999 ISO 5805 Reviewed In : 2022 ISO 5805:1997	Mechanical vibration and shock affecting man - Vocabulary (First Revision)	March, 2022	-	Identical under dual numbering
8	IS/ISO 13373-1:2002 Reviewed In : 2025 ISO 13373 : PART 1 : 2002	Condition monitoring and diagnostics of machines - Vibration condition monitoring: Part 1 general procedures	June, 2025	-	Identical under single numbering
9	IS/ISO 13373-2:2016 ISO 13373-2 : 2016 Reviewed In : 2025 ISO 13373 : PART 2 : 2016	Condition Monitoring and Diagnostics of Machines - Vibration Condition Monitoring Part 2 Processing Analysis and Presentation of Vibration Data (First Revision)	June, 2025	-	Identical under single numbering
10	IS 14732:2000 ISO 6897 Reviewed In : 2024 ISO 6897 : 1984	Guidelines for the evaluation of the response of occupants of fixed structures, especially buildings and off - Shore structures, to low - Frequency horizontal motion (0.063 To 1 Hz)	December, 2024	-	Identical under dual numbering
11	IS 14736 (Part 1):2017 ISO 7626-1 : 2011 Reviewed In : 2021 ISO 7626-1 : 2011	Mechanical vibration and shock - Experimental determination of mechanical mobility: Part 1 basic terms and definitions, and transducer specifications (First Revision)	September, 2021	-	Identical under dual numbering
12	IS 14736 (Part 2):2018 ISO 7626-2 : 2015 Reviewed In : 2022 ISO 7626-2 : 2015	Mechanical Vibration and Shock - Experimental Determination of Mechanical Mobility Part 2 Measurements Using Single - Point Translation Excitation with an Attached Vibration Exciter (First Revision)	September, 2022	-	Identical under dual numbering
13	IS 14817 (Part 6):2004 ISO 10816-6: 1995 Reviewed In: 2022 ISO 10816-6: 1995	Mechanical vibration - Evaluation of machine vibration by measurements on non - Rotating parts: Part 6 reciprocating machines with power rating above 100 kW	September, 2022	1	Identical under dual numbering
14	IS 14882:2000 ISO 10112 Reviewed In : 2025 1SO 10112:1991	Damping materials - Graphical presentation of the complex modulus	June, 2025	-	Identical under dual numbering
15	IS 14883:2022 ISO 5348: 2021 ISO 5348: 2021	Mechanical Vibration and Shock Mechanical Mounting of Accelerometers First Revision	P222222	-	Identical under dual numbering
16	IS 14907:2001 ISO 10227 Reviewed In : 2025 ISO 10227:1996	Human/human surrogate impact (Single Shock) testing and evaluation - Guidance on technical aspects	June, 2025	-	Identical under dual numbering
17	IS 14910:2001 ISO 8727 : 1997 Reviewed In : 2025 ISO 8727:1997	Mechanical vibration and shock - Human exposure - Biodynamic coordinate systems	June, 2025	1	Identical under dual numbering
18	IS 14916:2016 ISO 10068 : 2012	Mechanical Vibration and Shock  — Mechanical Impedance of the	June, 2025	-	Identical under dual numbering

International Content of the Content of the Content of Content o	1	Reviewed In: 2025	Human Hand-Arm System at the		I	1
Reviewed In : 2024 ISO 1905 : 2000 Reviewed In : 2025 ISO 9906 Reviewed In : 2025 ISO 9906 Reviewed In : 2025 ISO 9906 (1906) Reviewed In : 2025 ISO 1811-1: 2000 Rechamical vibration and shock in buildings with sensitive equipment: Part 1 reasserement and evaluation in substitution and shock in buildings with sensitive equipment: Part 2 reviewed In : 2025 ISO 1811-1: 2000 Reviewed In : 2024 ISO 2028 : 22008 Reviewed In : 2025 ISO 20		ISO 10068: 2012	=			
ISO 14963 - 2003   investigations on bridges and viaducts   ISO 9996   Reviewed In 2025   investigations on bridges and shocks   Disturbance to human activity and performance - Classification   ISO 9996   1906   Mechanical vibration and shock   June, 2025   - Identical under dual mumbering   ISO 9996   1906   Mechanical vibration and shock   Vibration	19	IS/ISO 14963:2003	Mechanical vibration and shock -	December, 2024	-	Identical under single
Not Equivalent   September, 2025   Identical under dual numbering			l			numbering
Technical information and shocks   December   Decembe		ISO 14963 : 2003	investigations on bridges and			
RSO 9996   19						
Reviewed In : 2025   IS 15996 (1946   IS)   Mechanical vibration and shock in buildings with sensitive equipment: Part 1   2000   IS 1593 (Part 2): 2000   IS 1507 IS 10811-2   Reviewed In : 2025   ISO/TS 10811-2   ISO/TS 1081-2   ISO/TS 1081-1   ISO/TS	20			June, 2025	-	
18O 9996-1996   18O   18O 1996-1996   18O 1			•			numbering
IS 15593 (Part   1):2005   ISO/TS 10811-1   Reviewed fin: 2025   ISO/TS 10811-1   2000   Mechanical vibration and shock   Vibration and shock in buildings with sensitive equipment: Part 1   measurement and evaluation   Iso/TS 10811-2   Iso/TS			performance - Classification			
1):2005						
ISO/TS 10811-1   Reviewed In : 2025   ISO/TS 10811-1   2000   Reviewed In : 2025   ISO/TS 10811-2   Classification   ISO/TS 10811-2   Reviewed In : 2025   ISO/TS 10811-2   Classification   ISO/TS 10811-2   2000   Reviewed In : 2025   ISO/TS 10811-2   2000   Reviewed In : 2025   ISO/TS 10811-2   Reviewed In : 2025   ISO/TS 2081-2   2008   Reviewed In : 2024   ISO 18431   Part 1   2005   ISO/TS 2083-2   2008   Reviewed In : 2024   ISO 18431   Part 2   Reviewed In : 2025   ISO/TS 2083-5:2016   Reviewed In : 2022   ISO/TS 2083-5:2016   Reviewed In : 2025   Reviewed	21	,		June, 2025	-	
Reviewed In : 2025   SD/TS 10811-1:   2000   SD/TS 10811-2:   2000   SD/TS 1		,	_			numbering
ISO/TS 10811-1   2000   Mechanical vibration and shock   June, 2025   Identical under dual numbering   Not Equivalent   September, 2025   Identical under single numbering   Identical under single numbering   September, 2022   Identical under single numbering   Identical under dual numbering   Identical under single numbering						
2000			measurement and evaluation			
18   1593   Part						
Solution and shock in buildings with sensitive equipment: Part 2 classification						
ISO/TS 10811-2   Reviewed In : 2025   ISO/TS 10811-2   2000	22	,		June, 2025	-	
Reviewed In : 2025 1SO/TS 10811-2: 2000 23 IS 17918:2023 1SO 2017-1: 2005 Resilient Mounting Systems -Technical information to be exchanged for the application of isolation systems ISO 2017-1: 2005 Seviewed In : 2024 ISO 18431-1: 2005 Reviewed In : 2024 ISO 18431-1: 2005 Reviewed In : 2024 ISO 2028-2- 2008 Reviewed In : 2022 ISO 2028-3-2: 2008 ISO 2028-3-2: 2008 Reviewed In : 2022 ISO 2028-3-2: 206 Reviewed In : 2022 ISO 2088-3-2: 206 Reviewed In : 2025 ISO 2088-3-2: 206 Reviewed In : 2025 ISO 2088-3-2: 206 Reviewed In : 2025 ISO 2088-3-2: 2016 Reviewed In : 2025 ISO 2088-3-3-2: 2016 Reviewed In : 2025 ISO 2088-3-3-2		,	_			numbering
ISO/TS 10811-2 : 2000						
2000   Resilient Mounting Systems   Fachical information to be exchanged for the application of isolation systems   Technical information to be exchanged for the application of isolation systems   Technical information to be exchanged for the application of isolation systems   Technical information to be exchanged for the application of isolation systems   Technical information to be exchanged for the application of isolation systems   Technical information to be exchanged for the application of isolation systems   Technical information to be exchanged for the application of isolation systems   Technical information to signal processing: Part 1 general introduction   September, 2024   1   Identical under single numbering   Technical introduction   September, 2022   Technical introduction   Technical introduction   Septem			classification			
18 17918:2023   Mechanical vibration and shock   Resilient Mounting Systems   Solution systems   Mechanical vibration of isolation systems   Solution systems   Mechanical vibration of shock   Signal processing: Part 1 general introduction   Solution systems   December, 2024   1   Identical under single numbering   Solution systems   Solution systems   Mechanical vibration on shock   Signal processing: Part 1 general introduction   Solution systems   Solution systems   Solution systems   Solution systems   December, 2024   1   Identical under single numbering   Solution   Solution systems   So						
ISO 2017-1: 2005						
Technical information to be exchanged for the application of isolation systems	23				-	Not Equivalent
exchanged for the application of isolation systems   Mechanical vibration and shock - Signal processing: Part 1 general introduction   Sologo   Part 1   Sologo   Part 1   Sologo   Part 2   Part 2   Part 3   Part 4   Part 4   Part 4   Part 5   Part 5   Part 5   Part 5   Part 5   Part 5   Part 6   P		ISO 2017-1: 2005	~ ,			
Solution systems   September, 2024   1   Identical under single numbering						
1 IS/ISO   18431-1:2005   18431-1:2005   18431-1:2005   180 18431-1:2005   180 18431-1:2005   180 18431-1:2005   180 18431-1:2005   180 18431-1:2005   180 18431-1:2005   180 18431-1:2005   180 18431-1:2005   180 18431-1:2005   180 20283-2:2008   180 20283-2:2008   180 20283-2:2008   180 20283-2:2008   180 20283-2:2008   180 20283-2:2008   180 20283-2:2008   180 20283-2:2016   180 20283-2:2			exchanged for the application of			
Signal processing: Part 1 general introduction   Signal processing: Part 2 introduction   Signal processing: Part 2 introduction   Signal processing: Part 2 introduction   September, 2022   Identical under single numbering   September, 2022   Identical under dual numbering   September, 2022   Identical under single numbering   September, 2022   Identical under single numbering						
ISO 18431-1 : 2005   Reviewed In : 2024   ISO 18431 : Part 1 : 2005   Mechanical vibration -   September, 2022   -   Identical under single   numbering	24			December, 2024	1	
Reviewed In : 2024   ISO 18431 : Part 1 : 2005   2005						numbering
18O 18431 : Part 1 : 2005			introduction			
2005   IS/ISO2028 :-2:2008   Mechanical vibration - September, 2022   - Identical under single numbering   Part 2 measurement of vibration on ships: Reviewed In : 2022   ISO 20283 : Part 2 : 2008   Part 2 measurement of structural vibration   20283-5:2016   ISO 20283-5:2016   ISO 20283-5:2016   Reviewed In : 2022   ISO 20283-5:2016   Reviewed In : 2022   ISO 20283-5:2016   Vibration with regard to habitability on passenger and merchant ships Adoption of ISO 20283-5: 2016   Vocabulary (First Revision)   Vocabulary (First Revision)   Vocabulary (First Revision)   June, 2025   Identical under single numbering   Identical under single numb						
September, 2022   September						
ISO 20283-2 : 2008   Measurement of vibration on ships   Reviewed In : 2022   1SO 20283 : Part 2   2008						
Reviewed In : 2022   1SO 20283 : Part 2 : 2008   2008	25			September, 2022	-	
ISO 20283 : Part 2 : 2008			-			numbering
26 IS/ISO 20283-5:2016 Reviewed In : 2022 ISO 20283-5:2016 Reviewed In : 2022 ISO 2041: 2018 Reviewed In : 2025 2041: 2016 Reviewed In : 2025 1S/ISO 20816-1 : 2016 Reviewed In : 2025 ISO 20816-1 : 2016 Reviewed In : 2025 ISO 20816-2 : 2017 Reviewed In : 2025 Identical under single numbering Reviewed In : 2025 Reviewed In : 2025 Identical under single numbering Reviewed In : 2025 Reviewed In : 202						
September, 2022   -   Identical under dual numbering   September, 2022   -   Identical under single numbering   -   Identical under single numbering   September, 2022   -   Identical under single numbering   -   Identical under single numbering   -     Identical under single numbering   -     Identical under single numbering   -     Identical under single numbering   -			vibration			
20283-5:2016 ISO 20283-5:2016 Reviewed In : 2022 ISO 20283-5:2016  27 IS/ISO 2041:2018 Reviewed In : 2025 2041:2016  28 IS/ISO 20816-1:2016 Reviewed In : 2025 ISO 20816-1 : 2016 Reviewed In : 2025 ISO 20816-2:2017						
ISO 20283-5:2016   Guidelines for measurement   evaluation and reporting of   vibration with regard to habitability   on passenger and merchant ships   Adoption of ISO 20283-5:2016	26			September, 2022	-	
Reviewed In : 2022 ISO 20283-5:2016  27 IS/ISO 2041:2018 ISO 2041:2018 Reviewed In : 2025 Reviewed In : 2025 2041:2018  28 IS/ISO 20816-1:2016 Reviewed In : 2025 ISO 20816-2:2017 ISO 20816-2: 2017 ISO 20816-2: 2017 ISO 20816-2: 2017 ISO 20816-2: 2017 Identical under single numbering  evaluation and reporting of vibration in ablatability on passenger and merchant ships Adoption of ISO 20283-5: 2016  June, 2025  June, 2025  June, 2025  Identical under single numbering  Identical under single numbering  Identical under single numbering  Adoption of ISO 202816-2: 2017 Measurement and Evaluation of Machine Vibration Part 2 Land-			-			numbering
ISO 20283-5:2016 vibration with regard to habitability on passenger and merchant ships Adoption of ISO 20283-5: 2016  27 IS/ISO 2041:2018 ISO 2041: 2018 Reviewed In: 2025 2041:2018  28 IS/ISO 20816-1:2016 Mechanical vibration - Measurement and evaluation of ISO 20816-1: 2016 Reviewed In: 2025 ISO 20816: Part 1: 2016  29 IS/ISO Mechanical Vibration Part 2 Land-  Messurement and Evaluation of Measurement and Evaluation of Measurement and Evaluation of Measurement and Evaluation of Measurement and Evaluation of Machine Vibration Part 2 Land-						
on passenger and merchant ships Adoption of ISO 20283-5 : 2016  27			1 0			
Adoption of ISO 20283-5 : 2016  27  IS/ISO 2041:2018		180 20283-5:2016	-			
IS/ISO 2041:2018   Mechanical Vibration, Shock and ISO 2041:2018   Condition Monitoring — Vocabulary (First Revision)   Vocabulary (First Revision)						
ISO 2041 : 2018 Reviewed In : 2025 2041:2018  28	27	IC/ICO 2041-2019		I.ma 2025		Identical under simple
Reviewed In: 2025 2041:2018       Vocabulary ( First Revision )       Identical under single         28       IS/ISO 20816-1:2016 ISO 20816-1: 2016 Reviewed In: 2025 ISO 20816: Part 1: 2016       Mechanical vibration - Measurement and evaluation of machine vibration: Part 1 general guidelines       June, 2025       -       Identical under single numbering         29       IS/ISO 20816-2:2017 ISO 20816-2: 2017       Mechanical Vibration — Measurement and Evaluation of Machine Vibration Part 2 Land-       -       Identical under single numbering	21			June, 2025	_	
28 IS/ISO 20816-1:2016 ISO 20816-1: 2016 Reviewed In: 2025 ISO 20816: Part 1: 2016  29 IS/ISO 20816-2:2017 ISO 20816-2: 2017 IMachine Vibration Part 2 Land-    Dune, 2025   - Identical under single   numbering			_			numbering
28IS/ISO 20816-1:2016 ISO 20816-1: 2016 Reviewed In: 2025 ISO 20816: Part 1: 2016 20816-2:2017 ISO 20816-2: 2017Mechanical vibration - Measurement and evaluation of machine vibration: Part 1 general guidelinesJune, 2025-Identical under single numbering29IS/ISO 20816-2:2017 ISO 20816-2: 2017Mechanical Vibration â€" Measurement and Evaluation of ISO 20816-2: 2017 Machine Vibration Part 2 LandIdentical under single numbering			vocabulary (First Revision)			
20816-1:2016 ISO 20816-1 : 2016 Reviewed In : 2025 ISO 20816 : Part 1 : 2016  29 IS/ISO 20816-2:2017 ISO 20816-2:2017 ISO 20816-2 : 2017 ISO 20816-2 : 2017  Measurement and evaluation of machine vibration: Part 1 general guidelines  - Identical under single numbering  Measurement and Evaluation of mumbering	20		Machanical vibration	Juna 2025	1	Identical under single
ISO 20816-1 : 2016 Reviewed In : 2025 ISO 20816 : Part 1 : 2016  29 IS/ISO 20816-2:2017 ISO 20816-2 : 2017 ISO 20816-2 : 2017 ISO 20816-2 : 2017  Machine Vibration: Part 1 general guidelines  - Identical under single numbering  Machine Vibration Part 2 Land-	48			Julie, 2023	_	
Reviewed In: 2025 ISO 20816: Part 1: 2016  29 IS/ISO 20816-2:2017 ISO 20816-2:2017 ISO 20816-2:2017 Machine Vibration Part 2 Land-						numbering
ISO 20816 : Part 1 : 2016   29 IS/ISO Mechanical Vibration â€" - Identical under single numbering   20816-2:2017 Measurement and Evaluation of ISO 20816-2 : 2017 Machine Vibration Part 2 Land-			_			
29 IS/ISO Mechanical Vibration â€" - Identical under single 20816-2:2017 Measurement and Evaluation of ISO 20816-2: 2017 Machine Vibration Part 2 Land-			guidennes			
29 IS/ISO Mechanical Vibration â€" - Identical under single 20816-2:2017 Measurement and Evaluation of ISO 20816-2: 2017 Machine Vibration Part 2 Land-						
20816-2:2017 Measurement and Evaluation of ISO 20816-2:2017 Machine Vibration Part 2 Land-	20		Machanical Wibration &C"		1	Identical under simple
ISO 20816-2 : 2017 Machine Vibration Part 2 Land-	29				_	
						numbering
ZU01U-Z:ZU1/ Dased Gas Turbilles, Steam						
		20010-2;201/	based Gas Turbilles, Steam			

		Turbines and Generators in Excess of 40 MW, with Fluid-Film Bearings and Rated Speeds of 1 500 r/min, 1 800 r/min, 3 000			
		r/min and 3 600 r/min ( First Revision )			
30	IS/ISO 20816-3:2022	MECHANICAL VIBRATION - MEASUREMENT AND		-	Identical under single numbering
	ISO 20816-3 : 2022 ISO 20816-3 : 2022	EVALUATION OF MACHINE VIBRATION PART 3			
		INDUSTRIAL MACHINERY WITH A POWER RATING			
		ABOVE 15 KW AND			
		OPERATING SPEEDS BETWEEN 120 R/MIN AND 30			
31	IS/ISO	000 R/MIN Mechanical Vibration -		-	Identical under single
	20816-4:2018 ISO 20816-4 : 2018	Measurement and Evaluation of Machine Vibration Part 4 Gas			numbering
	20816-4:2018	Turbines in Excess of 3 MW, with Fluid-Film Bearings (First			
32	IS/ISO	Revision)  Mechanical Vibration â€"			Identical under single
32	20816-5:2018	Measurement and Evaluation of			numbering
	20816-5:2018 20816-5:2018	Machine Vibration Part 5 Machine Sets in Hydraulic Power			
		Generating and Pump-Storage Plants ( First Revision )			
33	IS/ISO 21289:2008 ISO 21289 : 2008	Mechanical vibration and shock - Parameters to be specified for the	January, 2022	-	Identical under single numbering
	Reviewed In: 2022 ISO 21289: 2008	acquisition of vibration data			
34	IS/ISO	Mechanical Vibration â€" Rotor Balancing Part 2 Vocabulary ( First		-	Identical under single numbering
	ISO 21940-2 : 2017 ISO 21940-2:2017	Revision )			
35	IS/ISO	Mechanical vibration - Rotor	June, 2025	1	Identical under single
	21940-11:2016 ISO 21940-11 : 2016	E			numbering
	Reviewed In : 2025 ISO 21940 : Part 11 :	behaviour			
36	2016 IS/ISO	Mechanical vibration - Rotor	June, 2025	-	Identical under single
	21940-12:2016 ISO 21940-12 : 2006	balancing: Part 12 procedures and tolerances for rotors with flexible			numbering
	Reviewed In : 2025 ISO 21940 : Part 12 :	behaviour			
37	2016 IS/ISO	Mechanical vibration - Rotor	December, 2024		Identical under single
	21940-13:2012	balancing: Part 13 criteria and	December, 2024	-	numbering
	ISO 21940-13 : 2012 Reviewed In : 2024	safeguards for in - Situ balancing for medium and large rotors			
	ISO 21940 : Part 13 : 2012				
38	IS/ISO 21940-14:2012	Mechanical vibration - Rotor balancing: Part 14 procedures for	December, 2024	1	Identical under single numbering
	ISO 21940-14 : 2012 Reviewed In : 2024				
	ISO 21940 : Part 14 :				

ı	2012			I	1
39	IS/ISO	Mechanical Vibration â€" Rotor		-	Identical under single
	21940-21:2022	Balancing Part 21 Description and			numbering
	ISO 21940-21 : 2022	Evaluation of Balancing Machines			
	ISO 21940-21:	(First Revision)			
	2022				
40	IS/ISO	Mechanical vibration - Rotor	December, 2024	-	Identical under single
	21940-23:2012	balancing: Part 23 enclosures and			numbering
	ISO 21940-23 : 2012				
	Reviewed In: 2024	measuring station of balancing			
	ISO 21940 : Part 23 :	machines			
<u></u>	2012				
41	IS/ISO	Mechanical vibration - Rotor	December, 2024	-	Identical under single
	21940-31:2013	balancing: Part 31 susceptibility			numbering
	ISO 21940-31 : 2013	,			
	Reviewed In : 2024 ISO 21940 : Part 31 :	unbalance			
42	2013 IS/ISO	Mechanical vibration - Rotor	December, 2024	_	Identical under single
72	21940-32:2012	balancing: Part 32 shaft and	December, 2027		numbering
	ISO 21940-32 : 2012	_			Tidinio o Tinig
	Reviewed In : 2024				
	ISO 21940 : Part 32 :				
	2012				
43	IS/ISO 2631-2:2003	Mechanical vibration and shock -	September, 2022	-	Identical under single
	Reviewed In: 2022	Evaluation of human exposure to			numbering
	ISO 2631 : PART 2 :	whole body vibration: Part 2			
	2003	vibration in buildings (1 Hz To 80			
		Hz)			
44	IS/ISO 4866:2010	Mechanical vibration and shock -	September, 2022	-	Identical under single
	ISO 4866	Vibration of fixed structures -			numbering
		Guidelines for the measurement of			
	ISO 4866 : 2010	vibrations and evaluation of their effects on structures			
45	IS/ISO 5344:2004	Electrodynamic vibration	September, 2022	1	Identical under single
73	Reviewed In : 2022	generating systems - Performance	September, 2022		numbering
	ISO 5344 : 2004	characteristics (First Revision)			numbering
46	IS/ISO 5349-1:2001	Mechanical vibration -	September, 2022	_	Identical under single
	Reviewed In: 2022	Measurement and evaluation of	, ·		numbering
	ISO 5349 : Part 1 :	human exposure to			
	2001	handtransmitted vibration: Part 1			
		general requirements (First			
		Revision)			
47	IS/ISO 5349-2:2001	Mechanical vibration -	September, 2022	1	Identical under single
	Reviewed In: 2022	Measurement and evaluation of			numbering
	ISO 5349 : PART 2 :	<u> </u>			
	2001	handtransmitted vibration: Part 2			
		practical guidance for			
		measurement at the workplace			
48	IS/ISO 5982:2019	(First Revision)  Mechanical Vibration and Shock			Identical under single
48	ISO 5982:2019	— Range of Idealized Values to	-	_	Identical under single numbering
	5982:2019	Characterize Human Biodynamic			numbering
	5702.2017	Response Under Whole-Body			
		Vibration ( First Revision )			
49	IS/ISO 6070:2019	Auxiliary Tables for Vibration		-	Identical under single
	ISO 6070 : 2019	Generators â€" Methods of			numbering
	ISO 6070	Describing Equipment			
		Characteristics (First Revision)			
				1	

50	IS/ISO 7626-5:2019 ISO 7626-5 : 2019 Reviewed In : 2025 7626-5:2019	Mechanical Vibration and Shock  — Experimental Determination of Mechanical Mobility Part 5 Measurements Using Impact Excitation with an Exciter Which is Not Attached to The Structure ( First Revision)	June, 2025	-	Identical under single numbering
51	IS/ISO 8041-1:2017 ISO 8041 : 2017 8041-1:2017	Human Response to Vibration Measuring Instrumentation Part 1 General Purpose Vibration Meters (First Revision)		-	Identical under single numbering
52	IS/ISO 8042:1988 Reviewed In : 2025 ISO 8042 : 1988	Shock and vibration measurements - Characteristics to be specified for seismic pick - Ups	/	-	Identical under single numbering
53	IS/ISO 8608:2016 ISO 8608: 2016 Reviewed In: 2025 ISO 8608: 2016	Mechanical vibration - Road surface profiles - Reporting of measured data	June, 2025	-	Identical under single numbering
54	IS/ISO 8626:1989 Reviewed In : 2022 ISO 8626 : 1989	Servo - Hydraulic test equipment for generating vibration method of describing characteristics	January, 2022	1	Identical under single numbering

# **Standards under Development**

		Projects Approved		
SI. No.	SI. No. Doc No. Title			
	No Records Found			

		Preliminary Draft Standards		
SI. No.	SI. No. Doc No. Title			
No Records Found				

		Drafts Standards in WC Stage		
SI. No.	SI. No. Doc No. Title			
	No Records Found			

		Draft Standards Completed WC Stage
SI. No.	Doc No.	Title
1	MED 28 (27121)	Mechanical Vibration Measurement and Evaluation of Machine Vibration Part 2 Land-Based Gas
		Turbines Steam Turbines and Generators in Excess of 40 MW with Fluid-Film Bearings and Rated
		Speeds of 1 500 r min 1 800 r min 3 000 r min and 3 600 r min First Revision Amendment - 1

		Finalized Draft Indian Standard		
SI. No.	SI. No. Doc No. Title			
	No Records Found			

		Finalized Draft Indian Standards under Print		
SI. No.	SI. No. Doc No. Title			
	No Records Found			

## Total Published Standards:53 Total Standards Under development:1

## **Aspect Wise Report**

Product: 0
Code of Practices: 7
Methods of Test: 23
Terminology: 4
Dimensions: 0
System Standard: 2
Safety Standard: 1
Others: 17

Service Specification : 0 Process Specification : 0 Unclassified : 0

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

SI. No.	IS No. & Year	Title
1	IS/ISO 10816-2:2001	Mechanical vibration - Evaluation of machine vibration by measurements on non - Rotating parts
	Reviewed In: 2019 ISO	Part 2 land - Based steam turbines and generators in excess of 50 mw with normal operating speeds
	10816 : PART 2 : 2001	of 1 500 rlMin 1 800 rlMin 3 000 rlMin and 3 600 rlMin
2	IS/ISO 11342:1998	Mechanical vibration - Methods and criteria for the mechanical balancing of flexible rotors
	Reviewed In: 2017	
3	IS 11717:2000	Vocabulary on Vibration and Shock
	ISO 2041	
	Reviewed In: 2010	
4	IS 11723 (Part 1):1992	Mechanical Vibration - Balance Quality Requirements Of Rigid Rotors Part 1 Determination Of
		Permissible Residual Unbalance
5	IS 11724:1985	Basis For Specifying The Rules In Evaluating The Mechanical Vibration Of Machines In The
	Reviewed In: 1995	Operation Range 10 To 200 Rev s
6	IS 11725:1985	Measurement and Evaluation of the Vibration Severity of Certain Rotating Electrical Machinery
		with shaft Heght Between 80 and 400 mm
7	IS 11727:1985	Measurement And Evaluation Of Vibration Severity In Situ Of Large Rotating Machines With
		Speed Range From 10 To 200 Rev s
8	IS 13274:1992	Mechanical vibration - Balancing - Vocabulary
9	IS 13275:1992	Description and Evaluation of Field Balancing Equipment
10	IS 13276 (Part 2):1992	Evaluation of Human Exposure to Whole-body Vibration - Part 2 Continuous and Shock-induced
		Vibration in Buildings 1 Hz to 80 Hz
11	IS 13276 (Part 3):1992	Evaluation of Human Exposure to Whole-body Vibration - Part 2 Vibration In Building 1hz To 8
	ISO 2631-2	Hz
12	IS 13277:1992	Balancing Machine - Description and Evaluation
13	IS 13278:1999	Mechanical Vibration - Symbols for Balancing Machines and Associated Instrumentation
	ISO 3719	
	Reviewed In: 2010	
14	IS 13279:1992	Criteria for Evaluating Flexible Rotor Balance
	Reviewed In: 1997	
15	IS 13280:1992	Mechanical balancing of flexible rotors
	Reviewed In: 1997	
16	IS 14259:1995	Vibration and shock - Isolators - Procedures for specifying characteristics
	Reviewed In: 2005	
17	IS 14280:1995	Mechanical vibration - Balancing - Shaft and fitment key convention
-,	ISO 8821	
	Reviewed In: 2016	
18	IS 14728:1999	Code for the Measurement and Reporting of Shipboard Vibration Data
19	IS 14729:1999	Code for the Measurement and Reporting of Local Vibration Data of Ship Structures and

		Equipment
20	IS 14730:2000	Vibration and Shock - Mechanical Driving Point Impedance of the Human Body
21	IS 14731:1999 ISO 6070 Reviewed In : 2020 ISO 6070 : 1981	Auxiliary Tables for vibration generators - Methods of describing equipment characteristics
22	IS 14733:1999	Mechanical Vibration and Shock - Guidelines for the Overall Evaluation of Vibration in Merchan Ships
23	IS 14734:1999	Balancing Machines - Enclosures and Other Safety Measures
24	IS 14737:1999	Human Response to Vibration - Measuring Instrumentation
25	IS 14773 (Part 1):2000 ISO 7919-1 Reviewed In : 2016	Mechanical Vibration of Non-reciprocating Machines - Measurements on Rotating Shafts and Evaluation Criteria - Part 1 General Guidelines
26	IS 14773 (Part 2):2000	Mechanical Vibration of Non-reciprocating Machines - Measurements on Rotating Shafts and Evaluation Criteria - Part 2 Large Land-based Steam Turbine Generator Sets
27	IS 14773 (Part 3):2000 ISO 7919-3 Reviewed In : 2010	Mechanical Vibration of Non-Reciprocating Machines - Measurements on Rotating Shafts and Evaluation Criteria - Part 3 Coupled Industrial Machines
28	IS 14773 (Part 4):2000 ISO 7919-4 Reviewed In : 2010	Mechanical Vibration of Non-reciprocating Machines - Measurements on Rotating Shafts and Evaluation Criteria - Part 4 Gas Turbine Sets
29	IS 14773 (Part 5):2001	Mechanical Vibration of Non-Reciprocating Machines - Measurements on Rotating Shafts and Evaluation Criteria - Part 5 Machine Sets in Hydraulic Power Generating and Pumping Plants
30	IS 14817 (Part 1):2000 ISO 10816-1:1995 Reviewed In : 2018 ISO 10816-1 : 1995	Mechanical vibration - Evaluation of machine vibration - By measurements on non - Rotating par Part 1 general guidelines
31	IS 14817 (Part 2):2017 ISO 10816-2 : 2009 ISO 10816-2 : 1995	Mechanical vibration - Evaluation of machine vibration by measurements on non - Rotating part Part 2 land - Based steam turbines and generators in excess of 50 mw with normal operating speed of 1 500 r min 1 800 r min 3 000 r min and 3 600 r min
32	IS 14817 (Part 3):2017 ISO 10816-3 : 2009 Reviewed In : 2022 ISO 10816-3 : 1995	Mechanical vibration - Evaluation of machine vibration by measurements on non - Rotating part Part 3 industrial machines with nominal power above 15 kW and nominal speeds between 120 r min and 15 000 r min when measured in situ First Revision
33	IS 14817 (Part 4):2004 ISO 10816-4 Reviewed In : 2019 ISO 10816-4 : 1995	Mechanical vibration - Evaluation of machine vibration by measurements on non - Rotating part Part 4 gas turbines driven sets excluding aircraft derivatives
34	IS 14817 (Part 5):2004 ISO 10816-5 Reviewed In : 2018 ISO 10816-5 : 1995	Mechanical vibration - Evaluation of machine vibration by measurements on non - Rotating part Part 5 machine sets in hydrualic power generating pumping and pumping plants
35	IS 14884:2000 ISO 4866 Reviewed In : 2010	Mechanical Vibration and Shock - Vibration of Buildings - Guidelines for the Measurement of Vibrations and Evaluation of Their Effects on Buildings
36	IS 14908:2001	Mechanical Vibration and Shock - Mechanical Transmissiblity of the Human Body in the Z  Direction
37	IS 14917 (Part 1):2001 ISO 10326-1 Reviewed In : 2016	Mechanical Vibration - Laboratory Method for Evaluating Vehicle Seat Vibration - Part 1 Basic Requirements
38	IS 14918:2001	Mechanical Vibrations - Method and Criteria for the Mechanical Balancing of Flexible Rotors
39	IS 15591:2005 ISO 8569 Reviewed In : 2021 ISO 8569:1996	Mechanical vibration and shock - Measurement and evaluation of shock and vibration effects on sensitive equipment in buildings

40	IS 15592:2005	Mechanical vibration - Road surfface profiles - Reporting of measured data
.0	ISO 8608	
	Reviewed In: 2016	
41	IS 15594:2005	Mechanical Vibration - Measurement of Vibration Generated intervally in Railway Tunnels by
	ISO 10815	Passage of the Trains
	Reviewed In: 2016	· ·
42	IS/ISO 1925:2001	Mechanical vibration - Balancing - Vocabulary
	Reviewed In: 2018 ISO	
	1925 : 2001	
43	IS/ISO 1940-1:2003	Mechanical vibration - Balance quality requirements for rotors in a constant Rigid state Part 1
	Reviewed In: 2018	Specifications and verfication of balance tolerances
44	IS/ISO 1940-2:1997	Mechanical Vibration - Balance Quality Requirements of Rigid Rotors
	Reviewed In: 2015	
45	IS/ISO 2017-2:2007	Mechanical Vibration and Shock - Resilient Mounting Systems Part 2 Technical Information to b
	Reviewed In: 2015	Exchanged for the Application of Vibration Isolation Associated with Railway Systems
46	IS/ISO 20806:2004	Mechanical Vibration - Criteria and Safeguards for the In-Situ Balancing of medium and Large
	ISO 20806:2004	Rotors
	Reviewed In : 2016 ISO	
	20806:2004	
47	IS/ISO 2953:1999	Mechanical vibration - Balancing machines - Description and evaluation
	Reviewed In: 2013	
48	IS/ISO 5349:1986	Mechanical vibration - Guidelines for the measurement and the assessment of human exposure t
	Reviewed In: 2019 ISO	hand transmitied vibration
	5349 : 2001	
49	IS/ISO 6954:2000	Mechanical vibration - Guidelines for the measurement reporting and evaluation of vibration with
	Reviewed In: 2013	regard to habitability of passenger and merchant ships
50	IS/ISO 7475:2002	Mechanical vibration - Balancing machines - Englosures and other protective measures for the
	Reviewed In: 2018	measuring station
51	IS/ISO 7919-2:2009	Mechanical vibration - Evaluation of machine vibration by measurements on rotating shafts Part
		land - Based steam turbines and generators in excess of 50 mw with normal operating speeds of 1
	Reviewed In: 2019 ISO	500 r min 1 800 r min 3 000 r min and 3 600 r min First Revision
	7919 : PART 2 : 2009	
52	IS/ISO 7919-3:2009	Mechanical vibration - Evaluation of machine vibration by measurements on rotating shafts Part
	ISO7919-3 : 2009	coupled industrial machines
	Reviewed In: 2022 ISO	
	7919 : Part 3 : 2009	
53	IS/ISO 7919-4:2009	Mechanical vibration - Evaluation of machine vibration by measurements on rotating shafts Part
	ISO 7919-4	gas turbine sets with fluid - Film bearings
	Reviewed In: 2018 ISO	
	7919 : Part 4 : 2009	
54	IS/ISO 7919-5:2005	Mechanical vibration - Evaluation of machine vibration by measurements on rotating shafts Part
	Reviewed In: 2018 ISO	machine sets in hydraulic power generating and pumping plants
	7919 : PART 5 : 2005	
55	IS/ISO 8041:2005	Human response to vibration - Measuring instrumentation
	Reviewed In: 2018 ISO	
	8041 : 2005	
56	IS/ISO 8568:2007	Mechanical shock - Testing machines - Characteristics and performance
	ISO 8568	

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

SI. No.	IS No. & Year	Title		
No Records Found				