### **BUREAU OF INDIAN STANDARDS**

### Program of Work

### MTD 8: Ores and Feed Stock for Copper Industry, its Metals/ Alloys and Products Sectional Committee

Scope: Standardization in the field of copper ores and other feed stock for copper industry and

standardization in the field of copper metals, their alloys and products

Liaison: **ISO TC-26 (O):** *Copper and copper alloys* 

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S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 1028:1987	Specification for silicon bronze	March, 2021	-	Indigenous
	Reviewed In: 2021	ingots and castings (Second			
		Revision)			
2	IS 10569:2005	Aluminium bronze rods, bars and	March, 2021	-	Indigenous
	Reviewed In: 2021	sections - Specification (First			
		Revision)			
3	IS 10709:1983	Specification for brass wires for	March, 2021	1	Indigenous
	Reviewed In: 2021	fourdrinier cloth			
4	IS 10710:1983	Specification for phosphor bronze	March, 2021	2	Indigenous
	Reviewed In: 2021	wires used for fourdrinier cloth			
5	IS 10742:1983	Specification for cast gun metal	March, 2021	2	Indigenous
	Reviewed In: 2021	rods and bars			
6	IS 10757:1983	Specification for nickel silver rods	March, 2021	1	Not Equivalent
	Reviewed In: 2021	and bars			
	ISO 430				
7	IS 10773:1995	Wrought copper tubes for	May, 2025	1	Indigenous
	Reviewed In: 2025	refrigeration and air - Conditioning			
		purposes - Specification (First			
		Revision)			
8	IS 11109:1984	Specification for silicon brass	March, 2021	-	Indigenous
	Reviewed In: 2021	ingots and castings			
9	IS 12228:1987	Method for scale adhesion test for	March, 2021	-	Identical under dual
	ISO 4746 : 1977	oxygen - Free copper			numbering
	Reviewed In: 2021				
	ISO 4746 : 1977				
10	IS 12443:1988	Specification for rolled brass plates	March, 2021	-	Indigenous
	Reviewed In: 2021	for general engineering purposes			
11	IS 12444:2020	Copper Wire Rods for Electrical	August, 2024	-	Indigenous
		Applications — Specification (			
	Reviewed In: 2024	First Revision )			
12	IS 12558:1988	Recommended shapes, sizes and	March, 2021	-	Indigenous
	Reviewed In: 2021	mass of copper and copper alloy			
		ingots for remelting purposes			
13	IS 1264:1997	Brass gravity die castings -	March, 2021	1	Indigenous
	Reviewed In: 2021	Specification (Fourth Revision)			
14	IS 1408:1968	Recommended procedure for	March, 2021	-	Indigenous
	Reviewed In: 2021	inspection of copper - Base alloy			
		sand castings (First Revision)			

15	IS 14340:1996 Reviewed In : 2021	Brass for current carrying parts in electrical wiring accessories - Specification	March, 2021	-	Indigenous
16	IS 1458:1965 Reviewed In : 2021	Railway Bronze Ingots And Casting (First Revision)	March, 2021	4	Indigenous
17	IS 14810:2000 Reviewed In : 2021	Copper tubes for plumbing - Specification	March, 2021	-	Indigenous
18	IS 14811:2000 Reviewed In : 2021	Rolled copper plate, sheet, strip and foils for general engineering purposes - Specification	March, 2021	-	Indigenous
19	IS 1545:1994 Reviewed In : 2021	Solid drawn copper and copper alloy tubes for condensers and heat exchangers - Specification (Third Revision)	March, 2021	-	Indigenous
20	IS 16872:2019 ISO 6957 : 1988 Reviewed In : 2023 ISO 6957:1988	Copper Alloys - Ammonia Test for Stress Corrosion Resistance	October, 2023	-	Identical under dual numbering
21	IS 1897:2008 Reviewed In : 2021	Copper strip for electrical purposes - Specification (Third Revision)	March, 2021	-	Indigenous
22	IS 191:2007 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 431 ,ISO 1190-1 and IEC 60028	Copper - Specification (Fourth Revision)	March, 2021	2	Not Equivalent
23	IS 2283:2000 Reviewed In : 2021	Nickel silver sheet, strip and foil - Specification (Second Revision)	March, 2021	-	Indigenous
24	IS 2305:1988 Reviewed In : 2021 ISO 196	Method for mercurous nitrate test for copper and copper alloys (First Revision)	March, 2021	-	Not Equivalent
25	IS 2376:1963 Reviewed In : 2021	Colour code for the identification of copper and copper alloys	March, 2021	-	Indigenous
26	IS 2378:1974 Reviewed In : 2021 ISO 1190-1:1982	Code for designation of copper and copper alloys (First Revision)	March, 2021	-	Not Equivalent
27	IS 2451:1994 Reviewed In : 2021	Copper alloys - Nickel silver - Ingots and castings - Specification (First Revision)	March, 2021	1	Indigenous
28	IS 2501:1995 Reviewed In : 2021	Solid drawn copper tubesfor general engineering purposes - Specification (Third Revision)	March, 2021	-	Indigenous
29	IS 2603:1983 Reviewed In : 2021	Specification for copper anodes for electroplating (First Revision)	March, 2021	-	Indigenous
30	IS 2704:1983 Reviewed In : 2021	Specification for brass wires for cold - Headed and machined parts (First Revision)	March, 2021	1	Indigenous
31	IS 2768:1982 Reviewed In : 2021	Specification for copper alloy strip for bullet envelope (First Revision)	March, 2021	-	Indigenous
32	IS 28:1985 Reviewed In : 2024	Phosphor bronze ingots and castings	December, 2024	1	Indigenous
33	IS 2826:1986 Reviewed In : 2021	Dimensions and tolerances for copper and copper alloy rods and bars for general engineering purposes (Third Revision)	March, 2021	-	Indigenous
34	IS 288:1981 Reviewed In : 2021	Specification for arsenical copper rods for boiler stay bolts and rivets (Fourth Revision)	March, 2021	1	Indigenous
35	IS 291:1989	Naval brass rods and sections for	March, 2021	-	Indigenous

	Reviewed In: 2021	machining purposes - Specification (Third Revision)			
36	IS 292:1983 Reviewed In : 2024	Specification for leaded brass ingots and casting (Second Revision)	December, 2024	1	Indigenous
37	IS 304:1981 Reviewed In : 2021	Specification for high tensile brass ingots and castings (Second Revision)	March, 2021	1	Indigenous
38	IS 305:1981 Reviewed In : 2021	Specification for aluminium bronze ingots and castings (Second Revision)	March, 2021	1	Indigenous
39	IS 3051:1988 Reviewed In : 2021	Dimensions and tolerances for wrought copper and copper alloys plate (First Revision)	March, 2021	1	Indigenous
40	IS 3052:1986 Reviewed In : 2021	Dimensions and tolerances for wrought copper and copper alloy sheet, strip and foil for general engineering purposes (Second Revision)	March, 2021	-	Indigenous
41	IS 306:1983 Reviewed In : 2021	Specification for tin bronze ingots and castings (Third Revision)	March, 2021	1	Indigenous
42	IS 3091:1999 Reviewed In : 2021	Aluminium bronze ingots and castings for overhead fittings in electric traction - Specification (First Revision)	March, 2021	-	Indigenous
43	IS 3167:1982 Reviewed In : 2021	Specification for cap copper alloy strip (First Revision)	March, 2021	-	Indigenous
44	IS 3168:2024	Brass Strip and Foil for Deep Drawing - Specification (Second Revision)		-	Indigenous
45	IS 318:1981 Reviewed In : 2021	Specification for leaded tin bronze ingots and castings (Second Revision)	March, 2021	2	Indigenous
46	IS 319:2007 Reviewed In : 2022	Free cutting brass bars, rods and section - Specification (Fifth Revision)	March, 2022	-	Indigenous
47	IS 320:1980 Reviewed In : 2022	Specification for high tensile brass rods and sections (Other Than Forging Stock) (Second Revision)	March, 2022	1	Indigenous
48	IS 3288 (Part 1):1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-5	Glossary of terms relating to copper and copper alloys: Part 1 materials (Third Revision)	March, 2021	•	Not Equivalent
49	IS 3288 (Part 2):1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-6	Glossary of terms relating to copper and copper alloys: Part 2 unwrought and cast form	March, 2021	-	Not Equivalent
50	IS 3288 (Part 3):1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO	Glossary of terms relating to copper and copper alloys: Part 3 wrought forms	March, 2021		Not Equivalent

State	1	197-7	1		1	I
Reviewed In : 2021   150 197-1, 150 197-3, 150 197-1, 150 197-1, 150 197-3,	51		Glossary of terms relating to	March, 2021	-	Not Equivalent
ISO 197-1, ISO 197-3, ISO 197-3, ISO 197-4, and ISO 197-4, and ISO 197-4, and ISO 197-4, and ISO 197-1, ISO 197-3, ISO 197-4, ISO 197-1, ISO 197-1, ISO 197-1, ISO 197-1, ISO 197-3, ISO 197-4, ISO 197-3, ISO 197-4, ISO		4):1986	copper and copper alloys: Part 4			_
197-2, ISO 197-3, ISO 197-3, ISO 197-4, and ISO 197-2, ISO 197-3, ISO 197-4, ISO		Reviewed In: 2021	processing			
IS 2097-4 and ISO   197-2, ISO 197-3, ISO 197-4, ISO   197-1, ISO   197-2, ISO		ISO 197-1, ISO				
197-8		197-2, ISO 197-3,				
S 228 (Part   S):1996   Reviewed In : 2021   Iso 197-1, 150   Iso 197-1, Iso 197-1		ISO 197-4 and ISO				
S):1986   Reviewed In : 2021   So 197-1, 180   So 197-2, 180 197-3, ISO 197-4 and 180   197-9   So 197-1, 180   So 197-1, 18						
Reviewed In : 2021   heat treatment   197-2, 180 197-3, 180 197-4 and 180   197-9   1986   Reviewed In : 2021   1980   197-1   180   180	52	IS 3288 (Part	-	March, 2021	-	Not Equivalent
ISO 197-1, ISO 197-3, ISO 197-3, ISO 197-3, ISO 197-3, ISO 197-4 and ISO 197-4 and ISO 197-4 and ISO 197-1, ISO 197-3, ISO 197-4 and ISO 197-1, ISO 197-3, ISO 197-3, ISO 197-3, ISO 197-3, ISO 197-3, ISO 197-3, ISO 197-4, ISO 197-4, ISO 197-3, ISO 197-3, ISO 197-3, ISO 197-3, ISO 197-3, ISO 197-4, ISO 197-3, ISO 197-3, ISO 197-4, ISO 197-		· · · · · · · · · · · · · · · · · · ·				
197-2, ISO 197-3, ISO 197-3, ISO 197-4 and ISO 197-9			heat treatment			
Size   1974   and 150   1979   150   1979   150   1974   1974   19		ISO 197-1, ISO				
197-9   S 3288 (Part 6):1986   Reviewed In : 2021   S 197-1 and ISO 197-2 ISO 197-3   ISO 197-3   ISO 197-1 and ISO 197-2   ISO 197-3   ISO 197-3   ISO 197-4 and ISO 197-1   ISO 197-2   ISO 197-3   ISO 197-1   ISO 197-2   ISO 197-3   ISO 197-4   ISO 197-2   ISO 197-3   ISO 197-4   ISO 197-1   ISO 197-1   ISO 197-1   ISO 197-1   ISO 197-1   ISO 197-2   ISO 197-3   ISO 197-3   ISO 197-4   ISO 197-3   ISO 197-4   ISO 197-1   IS						
18   3288 (Part 6   6):1986   Reviewed In : 2021   S38 (Part 7):1986   Glossary of terms relating to copper and copper alloys: Part 6   ffinishes						
Copper and copper alloys: Part 6   Reviewed In : 2021   ISO 197-1, ISO 197-3, ISO 197-4 and ISO 197-10   ISO 201 197-1   ISO 201 197-1   ISO 201 197-1, ISO 201 197-1   ISO 201 197-1   ISO 201 197-1   ISO 201 201   ISO 201 20						
Reviewed In : 2021   S 288 (Part 7):180   P37-4 and ISO 197-4 and ISO 197-4 and ISO 197-1, ISO 197-4, ISO 197-3, ISO 197-4 and ISO 197-1, ISO 197-4, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4, ISO 197-3, ISO 197-4, ISO 197-2, ISO 197-3, ISO 197-4, ISO 197-2, ISO 197-3, ISO 197-4, ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4, ISO 197-1,	53	· ·		March, 2021	-	Not Equivalent
180 197-1, 180   197-2, 180 197-3, 180 197-4 and 180   197-10   180 288 (Part 7):1986   Reviewed In : 2021   197-10   197-1, 180   19		· /				
197-2, ISO 197-3 and ISO   197-10			finishes			
ISO 197-4 and ISO 197-1   ISO 201   ISO 201						
197-10						
S 288 (Part 7):1986   Glossary of terms relating to copper and copper alloys: Part 7   Ison 197-1, Ison 197-2, Ison 197-3, Ison 197-4, and Ison 197-1, Ison 197-2, Ison 197-3, Ison 197-4, Ison 197-3, Ison 197-4, Ison 197-3, Ison 197-4, Ison 197-1, Ison 197-						
T):1986				N 1 2021		N. P. C.
Reviewed In : 2021	54	,	,	March, 2021	-	Not Equivalent
ISO 197-1, ISO 197-3, ISO 197-3, ISO 197-4 and ISO 197-11		· · · · · · · · · · · · · · · · · · ·				
197-2, ISO 197-3, ISO 197-4 and ISO 197-11   197-11   197-11   197-11   197-11   197-11   197-11   197-11   197-11   197-11   197-11   197-11   197-12   197-13, ISO 197-4, ISO 197-3, ISO 197-4 and ISO 197-12, ISO 197-3, ISO 197-4 and ISO 197-12   197-12						
ISO 197-4 and ISO 197-11   S 288 (Part 8):1986   Reviewed In : 2021   SO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-12   So 197-1 and ISO 197-12   So 197-1 and ISO 197-12   Second Revision   Specification for brass tubes for Reviewed In : 2022   Reviewed In : 2021   Specification for brass wires for Springs and other special purposes (First Revision)   Specification for cold rolled brass sheet, strip and foil (Third Reviewed In : 2021   Specification for inckel - Copper alloys: Part 8   Specification for cold rolled brass sheet, strip and foil (Third Revision)   Specification for inckel - Copper alloys: Part 8   Specification for cold rolled brass sheet, strip and foil (Third Revision)   Specification for nickel - Copper alloy: Specification for orass rolled brass sheet, strip and foil (Third Revision)   Specification for orass rolled brass sheet, strip and foil (Third Revision)   Specification for nickel - Copper alloy: Specification for nickel - Copper alloy: Specification for rolled brass sheet, strip and foil (Third Revision)   Specification for nickel - Copper alloy: Specification for brass rolled brass sheet, strip and foil (Third Revision)   Specification for nickel - Copper alloy: Specification for oper rolled brass sheet, strip and foil (Third Revision)   Specification for brass rolled brass sheet, strip and foil (Third Revision)   Specification for oper rolled brass sheet and strip for the manufacture of utensils (Second Revision)   Specification for copper wires for the sheet and strip for the manufacture of utensils (Second Revision)   Specification for copper wires for the sheet and strip for the manufacture of utensils (Second Revision)   Specification for copper wires for the sheet and strip for the manufacture of utensils (Second Revision)   Specification for copper wires for the sheet and strip for the manufacture of utensils (Second Revision)   Specification for copper wires for the sheet and strip for the manufacture of utensils (Second Revision)   Specification for copper wires for			characteristics			
197-11   S288 (Part   S288 (Part   S288 (Part   S291   Glossary of terms relating to copper and copper alloys: Part 8   Packing   Pack						
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Reviewed In : 2021 So 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-12  56 IS 3331:2007 Reviewed In : 2022 Specification for brass trips/foils for radiator cores - Specification (Second Revision) Specification for brass urbes for general purposes (First Revision)  57 IS 407:1981 Reviewed In : 2021 Specification for brass urbes for general purposes (First Revision) Specification for brass wires for springs and other special purposes (First Revision)  59 IS 410:1977 Reviewed In : 2021 Specification for nickel - Copper Reviewed In : 2021 Specification for nickel - Copper Reviewed In : 2021 Specification for nickel - Copper Reviewed In : 2021 Specification for or pass rods for Reviewed In : 2021 Specification for or pass rods for Reviewed In : 2021 Specification for or pass rods for Reviewed In : 2021 Specification for oper wires for March, 2021 Specification for ocopper rods and bars for general engineering purposes (First Revision)  60 IS 4131:1983 Reviewed In : 2021 Specification for brass rods for general engineering purposes (First Revision)  Specification for ocopper rods and bars for general engineering purposes (First Revision) Specification for brass sheet and strip for the manufacture of utensits (Second Revision) Specification for copper wires for March, 2021 Indigenous Specification for brass sheet and strip for the manufacture of utensits (Second Revision) Specification for copper wires for March, 2021 Indigenous	55		Classery of terms relating to	March 2021		Not Equivalent
Reviewed In : 2021   SO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-12   Copper and brass strips/foils for Reviewed In : 2022   Copper and brass strips/foils for Reviewed In : 2022   Tadiator cores - Specification (Second Revision)		,	-	Maich, 2021	-	Not Equivalent
SO 197-1, ISO 197-3, ISO 197-3, ISO 197-4 and ISO 197-12		· · · · · · · · · · · · · · · · · · ·				
197-2, ISO 197-3, ISO 197-3, ISO 197-4 and ISO 197-12			packing			
ISO 197-4 and ISO 197-12						
197-12   Copper and brass strips/foils for radiator cores - Specification (Second Revision)   March, 2022   - Indigenous						
Social						
Reviewed In: 2022 radiator cores - Specification (Second Revision)  57	56		Copper and brass strips/foils for	March, 2022	_	Indigenous
Second Revision   Specification for brass tubes for Reviewed In : 2021   Specification for brass wires for Reviewed In : 2021   Specification for brass wires for Specification for brass wires for Specification for cold rolled brass Specification for cold rolled brass Specification for nickel - Copper Reviewed In : 2021   Specification for nickel - Copper Reviewed In : 2021   Specification for nickel - Copper Reviewed In : 2021   Specification for brass rods for Reviewed In : 2021   Specification for cold rolled brass Specification for nickel - Copper Reviewed In : 2021   Specification for brass rods for Reviewed In : 2021   Specification for copper rods and Reviewed In : 2021   Specification for copper rods and Reviewed In : 2021   Specification for copper rods and Reviewed In : 2021   Specification for brass sheet and Reviewed In : 2021   Specification for brass sheet and Reviewed In : 2021   Specification for brass sheet and Reviewed In : 2021   Specification for brass sheet and Reviewed In : 2021   Specification for copper wires for   March, 2021   Indigenous   I				,		
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Seviewed In : 2021   Specification for brass wires for Reviewed In : 2021   Specification for cold rolled brass sheet, strip and foil (Third Revision)			=	•		
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Seviewed In : 2021   Specification for cold rolled brass sheet, strip and foil (Third Revision)   Specification for nickel - Copper alloy castings   March, 2021   - Indigenous		Reviewed In: 2021	-			
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Specification for nickel - Copper Reviewed In : 2021   Specification for nickel - Copper alloy castings   March, 2021   Specification for brass rods for Reviewed In : 2021   Specification for brass rods for general engineering purposes   Specification for copper rods and Reviewed In : 2021   Specification for copper rods and bars for general engineering purposes (First Revision)   Specification for brass sheet and Reviewed In : 2021   Specification for brass sheet and Reviewed In : 2021   Specification for brass sheet and strip for the manufacture of utensils (Second Revision)   March, 2021   Indigenous   I		Reviewed In: 2021	_			
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Reviewed In: 2021 general engineering purposes  62 IS 4171:1983 Specification for copper rods and Reviewed In: 2021 bars for general engineering purposes (First Revision)  63 IS 422:1981 Specification for brass sheet and Reviewed In: 2021 strip for the manufacture of utensils (Second Revision)  64 IS 4412:1981 Specification for copper wires for March, 2021 1 Indigenous						
62 IS 4171:1983 Specification for copper rods and Reviewed In : 2021 bars for general engineering purposes (First Revision)  63 IS 422:1981 Specification for brass sheet and Reviewed In : 2021 strip for the manufacture of utensils (Second Revision)  64 IS 4412:1981 Specification for copper wires for March, 2021 1 Indigenous	61			March, 2021	2	Indigenous
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64 IS 4412:1981 Specification for copper wires for March, 2021 1 Indigenous		Reviewed In: 2021	-			
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Reviewed in : 2021 general engineering purposes (First	64			March, 2021		Indigenous
		Keviewed iii : 2021	general engineering purposes (First			

		Revision)			
65	IS 4413:1981	Specification for brass wires for	March, 2021	1	Indigenous
	Reviewed In: 2021	general engineering purposes (First			
66	IS 4519:1977	Revision)	March 2021		Indiannos
66	Reviewed In : 2021	Dimensions for copper commutator bars (First Revision)	March, 2021	-	Indigenous
67	IS 5053:1969	Dimensions for wrought copper	March, 2021		Indigenous
07	Reviewed In : 2021	and copper alloy rods for fasteners	Maich, 2021	_	margenous
68	IS 531:1981	Specification for leaded brass strip	March, 2021	_	Indigenous
	Reviewed In: 2021	for instrument parts (Second	11111111, 2021		indigenous
		Revision)			
69	IS 5493:1981	Dimensions for wrought copper	March, 2021	-	Indigenous
	Reviewed In: 2021	and copper alloy tubes (First			
		Revision)			
70	IS 5743:1991	Copper master alloys (First	March, 2021	-	Indigenous
	Reviewed In: 2021	Revision)			
71	IS 5744:1991	Copper alloy screwed ferrules for	March, 2021	1	Indigenous
	Reviewed In: 2021	condenser, heater and cooler tubes			
72	IS 5885:1977	- Specification (First Revision)	March 2021		Indiannous
72	Reviewed In : 2021	Specification for copper commutator bar (First Revision)	March, 2021	_	Indigenous
73	IS 613:2000	Copper rods and bars for electrical	March, 2025	2	Indigenous
13	Reviewed In: 2025	purposes - Specification (Third	March, 2023		margenous
	Troviewed in . 2023	Revision)			
74	IS 6912:2025	Copper and Copper Alloys Forging		-	Indigenous
		Stock and Forging - Specification (			
		Third Revision )			
75	IS 6912:2005	Copper and copper alloys forging	January, 2025	1	Indigenous
	Reviewed In: 2025	stock and forging - Specification			
		(Second Revision)			
76	IS 7608:1987	Specification for phosphor bronze	March, 2021	1	Indigenous
	Reviewed In: 2021	wire for general engineering			
77	IC 7011 2010	purposes (First Revision)	0-4-1 2022		T., 1'
77	IS 7811:2019	Phosphor bronze rods and bars (Second Revision)	October, 2023	-	Indigenous
	Reviewed In: 2023	(Second Revision)			
78	IS 7814:2005	Phosphor bronze sheet, strip and	March, 2021	1	Indigenous
70	Reviewed In: 2021	foil - Specification (Second	March, 2021	1	margenous
	Troviewed in . 2021	Revision)			
79	IS 8328:2007	Free cutting copper bars, rods and	March, 2022	-	Indigenous
	Reviewed In: 2022	sections - Specification (First			
		Revision)			
80	IS 8362:1977	Specification for copper and	July, 2023	-	Indigenous
	Reviewed In: 2023	copper alloy rolled plates for			
		condensers and heat exchangers			
81	IS 8362:2025	Copper and Copper Alloy Rolled		-	Indigenous
		Plates for Condensers and Heat			
		Exchangers - Specification (First			
82	IS 8364:1989	Revision)	March, 2021		Indiannous
02	Reviewed In: 2021	Free cuttxng brass wire specification (First Revision)	iviarcii, 2021	-	Indigenous
83	IS 8365:1991	Copper alloys for spot and seam	March, 2021	<del> </del> -	Indigenous
05	Reviewed In : 2021	resistance welding electrodes (First	17141011, 2021		margenous
	110 110 110 111 1 2021	Revision)			
84	IS 8631:2024	Copper Base Alloys for Marine		-	Indigenous
		Propellers - Specification (First			<i>S</i>
		Revision)		<u> </u>	
	70 00 70 000	Cast Copper Tuyere - Specification		1	Indigenous
85	IS 8859:2024	Cast Copper Tuyere - Specification		1 -	margenous

86	IS 9682:1980	Recommended procedure for	March, 2021	-	Indigenous
	Reviewed In: 2021	inspection of cast copper tuyeres			
87	IS 9713:1983	Specification for hot - Rolled	March, 2021	-	Indigenous
	Reviewed In: 2021	electrolytic copper wire rods for			
		electrical conductors (First			
		Revision)			
88	IS 9805:1981	Specification for high conductivity	March, 2021	-	Indigenous
	Reviewed In: 2021	copper castings			
89	IS 9861:1981	Dimensions for wrought copper	March, 2021	-	Not Equivalent
	Reviewed In: 2021	and copper alloy wires for general			
	ISO 3492 : 1982	engineering purposes			

## **Standards under Development**

	Projects Approved				
SI. No.	Doc No.	Title			
1	MTD 8 (27509) Revision	Copper Alloy Ingots and Castings Specification Fifth Revision			
	of: IS 28:1985				
2	MTD 8 (28459)	Copper Wire Rods for Electrical Applications Specification First Revision Amendment - 1			

	Preliminary Draft Standards				
SI. No.	Doc No.	Title			
1	MTD 8 (26512) Revision of: IS 12444:2020	Copper Wire Rods for Electrical Applications Specification			
2	MTD 8 (27886) Revision of: IS 613:2000	Copper rods and bars for electrical purposes - Specification Fourth Revision			
3	MTD 8 (28559)	Coding and Classification for Non-Ferrous Scrap Metals and Residues Part 2 Copper Scrap			

	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	MTD 8 (22251)	Grading testing and acceptance of copper and copper alloy scrap guidelines			
2	MTD 8 (23710)	Copper and brass strips foils for radiator cores - Specification Third Revision			
3	MTD 8 (24431)	Copper plate sheet strip and foil for electrical purposes Specification Fourth Revision			
4	MTD 8 (28115)	Wrought copper tubes for refrigeration and air - Conditioning purposes - Specification Second			
		Revision			
5	MTD 8 (28460)	Copper Wire Rods for Electrical Applications Specification First Revision Amendment - 1			

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

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

Total Published Standards:86 Total Standards Under development:10

# **Aspect Wise Report**

Product: 65
Code of Practices: 4
Methods of Test: 3
Terminology: 8
Dimensions: 6
System Standard: 0
Safety Standard: 0
Others: 0

Service Specification: 0 Process Specification: 0 Unclassified: 0

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

SI. No.	IS No. & Year	Title
1	IS 10723:1983	Aluminium silicon bronze rods and bars
	Reviewed In: 2004	
2	IS 1138:1958	Sizes of metal strip sheet brass round square flats and plate for structural and general engineering purpose
3	IS 12444:1988	Copper Wire Rods for Electrical Applications Specification First Revision
	ISO 7240-24	
4	IS 1385:1968	Phosphor bronze rods and bars sheet and strip and wire
5	IS 1550:1967 Reviewed In : 1996	Copper sheet and strip for utensils and for general purposes
6	IS 1972:1989 Reviewed In: 1996	Copper plate sheet and strip for industrial purposes
7	IS 2313:1963	Phosphor Copper Ingot
8	IS 2371:1973	Solid drawn copper alloy tubes for condensers evaporators heaters and cooler tubes using saline hard water
9	IS 2456:1963	Brass Strip For Pen Nibs
10	IS 3057:1965	Copper sheets for photo process engravings
11	IS 3285:1965	Copper Strip For Electrical Purposes Withdrawn Or Rolled Edged above 150 Mm Width
12	IS 3332:1965	Nickel silver strip and foil for telecommunication purposes
13	IS 3487:1994 Reviewed In: 1999	Copper-cold Rolled Strip And Foil For Gaskets Washers And Eyelets
14	IS 3488:1980	Brass Bars Rods And Sections Suitable For Forging
15	IS 4077:1967	Copper-nickel Shot
16	IS 5494:1969	Leaded brass sheets and strips for use in manufacture of tubewell strainers

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

SI. No.	IS No. & Year	Title
1	IS 1028:1987	Specification for silicon bronze ingots and castings Second Revision
	Reviewed In: 2021	
2	IS 10569:2005	Aluminium bronze rods bars and sections - Specification First Revision
	Reviewed In: 2021	
		Specification for brass wires for fourdrinier cloth

1 2	IS 10709:1983	
3	Reviewed In : 2021	
4	IS 10710:1983	Specification for phosphor broppe wines used for foundaining sloth
4	Reviewed In : 2021	Specification for phosphor bronze wires used for fourdrinier cloth
5	IS 10742:1983	Specification for cost sup motel rade and have
3		Specification for cast gun metal rods and bars
	Reviewed In : 2021	
6	IS 10757:1983	Specification for nickel silver rods and bars
	Reviewed In : 2021 ISO 430	Warnelston and the form following and the Constitution of the Cons
7	IS 10773:1995	Wrought copper tubes for refrigeration and air - Conditioning purposes - Specification First
	Reviewed In : 2025 IS 11109:1984	Revision
8		Specification for silicon brass ingots and castings
	Reviewed In : 2021	
9	IS 12443:1988	Specification for rolled brass plates for general engineering purposes
10	Reviewed In : 2021	
10	IS 12558:1988	Recommended shapes sizes and mass of copper and copper alloy ingots for remelting purposes
11	Reviewed In : 2021	December 11 and 12 Constitution Founds Decision
11	IS 1264:1997	Brass gravity die castings - Specification Fourth Revision
10	Reviewed In : 2021	
12	IS 14340:1996	Brass for current carrying parts in electrical wiring accessories - Specification
12	Reviewed In : 2021	Dellares Dagger Toronto And Continue E' + B - ' '
13	IS 1458:1965	Railway Bronze Ingots And Casting First Revision
1.4	Reviewed In : 2021	Comment that Complete Considiration
14	IS 14810:2000	Copper tubes for plumbing - Specification
1.7	Reviewed In : 2021	
15	IS 14811:2000	Rolled copper plate sheet strip and foils for general engineering purposes - Specification
1.0	Reviewed In : 2021	
16	IS 1545:1994	Solid drawn copper and copper alloy tubes for condensers and heat exchangers - Specification
17	Reviewed In : 2021 IS 1897:2008	Third Revision  Copper strip for electrical purposes - Specification Third Revision
17	Reviewed In : 2021	Copper strip for electrical purposes - Specification Tillia Revision
18	IS 191:2007	Copper - Specification Fourth Revision
10	Reviewed In : 2021 ISO	Copper - Specification Fourth Revision
	197-1, ISO 197-2, ISO 431	
	ISO 1190-1 and IEC 60028	
19	IS 2283:2000	Nickel silver sheet strip and foil - Specification Second Revision
17	Reviewed In : 2021	Tyteker sirver sheet strip and for appearment of occord revision
20	IS 2451:1994	Copper alloys - Nickel silver - Ingots and castings - Specification First Revision
20	Reviewed In: 2021	copper unoys Therei sirver ingots and eastings operated in This Revision
21	IS 2501:1995	Solid drawn copper tubesfor general engineering purposes - Specification Third Revision
	Reviewed In: 2021	Solid diawn copper tubesion general engineering purposes—specification Time Revision
22	IS 2603:1983	Specification for copper anodes for electroplating First Revision
	Reviewed In: 2021	-p
23	IS 2704:1983	Specification for brass wires for cold - Headed and machined parts First Revision
	Reviewed In: 2021	Transfer of the Arthurst and American Parts 1 not Arthurst
24	IS 2768:1982	Specification for copper alloy strip for bullet envelope First Revision
	Reviewed In: 2021	The second of th
25	IS 28:1985	Phosphor bronze ingots and castings
-5	Reviewed In: 2024	
26	IS 288:1981	Specification for arsenical copper rods for boiler stay bolts and rivets Fourth Revision
	Reviewed In: 2021	i ir
27	IS 291:1989	Naval brass rods and sections for machining purposes - Specification Third Revision
	Reviewed In: 2021	Sharman Time To Line
28	IS 292:1983	Specification for leaded brass ingots and casting Second Revision
	Reviewed In: 2024	Transfer and the state of the s
l		Consideration for high tarrella hange in note and nectings Consul Decision
29	IS 304:1981	Specification for high tensile brass ingots and castings Second Revision
29	IS 304:1981 Reviewed In : 2021	Specification for high tensile brass ingots and castings Second Revision
29	IS 304:1981 Reviewed In : 2021 IS 305:1981	
	Reviewed In : 2021 IS 305:1981	Specification for high tensile brass lingois and castings Second Revision  Specification for aluminium bronze ingots and castings Second Revision
	Reviewed In: 2021	

	Reviewed In: 2021	
32	IS 306:1983	Specification for tin bronze ingots and castings Third Revision
	Reviewed In: 2021	
33	IS 3091:1999	Aluminium bronze ingots and castings for overhead fittings in electric traction - Specification Fin
	Reviewed In: 2021	Revision
34	IS 3167:1982	Specification for cap copper alloy strip First Revision
	Reviewed In: 2021	
35	IS 3168:2024	Brass Strip and Foil for Deep Drawing - Specification Second Revision
36	IS 318:1981	Specification for leaded tin bronze ingots and castings Second Revision
2.7	Reviewed In: 2021	
37	IS 319:2007 Reviewed In : 2022	Free cutting brass bars rods and section - Specification Fifth Revision
38	IS 320:1980	Specification for high tensile brass rods and sections Other Than Forging Stock Second Revisio
	Reviewed In: 2022	
39	IS 3331:2007	Copper and brass strips foils for radiator cores - Specification Second Revision
	Reviewed In: 2022	
40	IS 407:1981	Specification for brass tubes for general purposes Third Revision
	Reviewed In: 2021	Apriliance of the same and the property of the same and t
41	IS 4076:1983	Specification for brass wires for springs and other special purposes First Revision
	Reviewed In: 2021	Specification for class wires for springs and class specific purposes i not its residue.
42	IS 410:1977	Specification for cold rolled brass sheet strip and foil Third Revision
72	Reviewed In: 2021	Specification for cold folica orass sheet strip and foli Third Revision
43	IS 4131:1967	Specification for nickel - Copper alloy castings
43	Reviewed In : 2021	Specification for meker - copper andy castings
44	IS 4170:1967	Specification for brass rods for general engineering purposes
44		Specification for brass rous for general engineering purposes
4.7	Reviewed In : 2021	
45	IS 4171:1983	Specification for copper rods and bars for general engineering purposes First Revision
	Reviewed In: 2021	
46	IS 422:1981	Specification for brass sheet and strip for the manufacture of utensils Second Revision
	Reviewed In: 2021	
47	IS 4412:1981	Specification for copper wires for general engineering purposes First Revision
	Reviewed In: 2021	
48	IS 4413:1981	Specification for brass wires for general engineering purposes First Revision
	Reviewed In: 2021	
49	IS 531:1981	Specification for leaded brass strip for instrument parts Second Revision
	Reviewed In: 2021	
50	IS 5743:1991	Copper master alloys First Revision
	Reviewed In: 2021	
51	IS 5744:1991	Copper alloy screwed ferrules for condenser heater and cooler tubes - Specification First Revision
	Reviewed In: 2021	
52	IS 5885:1977	Specification for copper commutator bar First Revision
	Reviewed In: 2021	
53	IS 613:2000	Copper rods and bars for electrical purposes - Specification Third Revision
	Reviewed In: 2025	
54	IS 6912:2025	Copper and Copper Alloys Forging Stock and Forging - Specification Third Revision
55	IS 7608:1987	Specification for phosphor bronze wire for general engineering purposes First Revision
55	Reviewed In: 2021	specification for phosphor bronze whe for general engineering purposes i have technison
56	IS 7811:2019	Phosphor bronze rods and bars Second Revision
50		Thosphot bronze rous and but's become Revision
	Reviewed In: 2023	
57	IS 7814:2005	Phosphor bronze sheet strip and foil - Specification Second Revision
	Reviewed In: 2021	
58	IS 8328:2007	Free cutting copper bars rods and sections - Specification First Revision
	Reviewed In: 2022	
59	IS 8362:2025	Copper and Copper Alloy Rolled Plates for Condensers and Heat Exchangers - Specification Fire
		Revision

1	Reviewed In: 2021	
61	IS 8365:1991	Copper alloys for spot and seam resistance welding electrodes First Revision
	Reviewed In: 2021	
62	IS 8631:2024	Copper Base Alloys for Marine Propellers - Specification First Revision
63	IS 8859:2024	Cast Copper Tuyere - Specification First Revision
64	IS 9713:1983	Specification for hot - Rolled electrolytic copper wire rods for electrical conductors First Revision
	Reviewed In: 2021	
65	IS 9805:1981	Specification for high conductivity copper castings
	Reviewed In: 2021	