



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:	MTD 4 - Wrought Steel Products Sectional Committee
2.	IS No :	IS 2879 : 1998
3.	Title :	Mild steel for metal arc welding electrodes - Specification (Third Revision)
4.	Date of Previous Review:	March, 2019

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	NA	NA	NA	NA	NA

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 812:1957	Glossary of terms relating to welding and cutting of metals	Not revised	No Change	No Change	Nil
2	IS 7739(Part 5):1976	Code of practice for preparation of metallographic specimens: Part 5 iron and steel and their examination	Not revised	No Change	No Change	Nil
3	IS 1956	Glossary of terms relating to iron and steel	IS 1956(relevant parts)	No Change	No significant effect	The revised version may be incorporated
4	IS 1387:1993	General requirements for the supply of metallurgical materials	Not revised	No Change	No Change	Nil
5	IS 814:1991	Covered electrodes for manual metal arc welding of carbon and carbon manganese steel	IS 814: 2004	(a) Semibasic type of covering has been included. b) Chemical analysis of basic and semi-basic classification has been provided. c) Percentage elongation for 'O' designating digit has been included.	No significant effect	The revised versions may be incorporated
6	IS 228	Methods of chemical analysis of steels	IS 228(relevant Parts)	No Change	No Change	Nil

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	JIS G 3503:2020	Wire rods for core wire of covered electrode	Grades SWRY11 and SWRY21	No significant difference in chemistry of core wires from chemistry as prescribed in Indian standard IS 2879

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	BIS Licensee	Due to development of Continuous casting , production of Rimming steel variety has been obsolete. Almost all manufacturers produce steel using Continuous casting route.	Cl 5.2 of manufacture. The steel shall be rimming or non-rimming quality. Rimming steel has been obsolete now a days due to advancement in steel making technology. Rimmed steel has poorer plasticity, toughness, and weldability	Provisions for rimming steel may be deleted.

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
1	IS 814-2004	Covered electrodes for manual metal arc welding of carbon and carbon manganese steel - Specification (Sixth Revision)	Nil	No significant changes	Nil

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 822-1970	Code of procedure for inspection of welds	Appendix A Sl no (b) Electrodes and consumables Welding rods and electrodes

Other Details	
6.	Any other observation: Nil
7.	Upload Supporting Document(s)
7.1 ARP Report	70_9401_230508012756_ARP_Report.docx
7.2 Draft Document	70_9401_230508012810_Draft_Document.docx
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> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>The Rimming variety of steel may be removed from the scope of standard as this variety is not being produced due to advancement in steel making technology. Further, the Rimmed steel has poorer plasticity, toughness, and weldability.</p> </div>