

## CONSTRUCTION MATERIALS PRODUCT

No.	Products	Standard Number	Standard Title
<b>(1) Aluminium</b>			
a	Falsework aluminium props	BS EN 16031	Adjustable telescopic aluminium props. Product specifications, design and assessment by calculation and tests
		CIS 23	Safe use of falsework and formwork in construction
b	Aluminium plates, sheets and strips	MS 2040	Aluminium and aluminium alloys- Sheets and coiled sheets- Specification (First revision)
c	Aluminium foils of a thickness not exceeding 0.2mm, not backed: roll nut not further	MS 1848	Aluminium And Aluminium Alloys - Foils
d	Aluminium structure	MS 832	Aluminum windows - Specification
		MS 1017	Aluminium framed sliding glass doors - Specification
e	Aluminium and aluminium alloy - coil coated sheet and strip for general applications	MS EN 1396	Aluminium And Aluminium Alloys - Coil Coated Sheet And Strip For General Applications - Specifications
f	Aluminium and aluminium alloy for extruded shape	MS 2289	Aluminium And Aluminium Alloy - Extruded Shapes
<b>(2) Ceramic Tiles</b>			
a	Ceramic tiles	MS ISO 13006	Ceramic tiles - Definitions, classification, characteristics and marking (First revision)
<b>(3) Glass</b>			
a	Float glass		
	i- Clear float glass, non-wired or non-coloured throughout the mass, other than square or rectangular shape (including those with one, two, three or four corners cut)	MS 1135	Float and Polished Glass - Specification
	ii- Tinted float glass, coloured throughout the mass (body tinted), opacified, flashed or merely surface ground, other than optical glass	MS 1135	Float and Polished Glass - Specification
b	Coated glass	MS 2397	Coated Glass In Building - Specification (First Revision) And Ms 1498:2017, Safety Glass In Building - Specification (Second Revision)
c	Safety Glass	MS 1498	Safety Glass in Buildings
d	Wired glass	MS 2676	Wired glass - Specification
<b>(4) Precast concrete</b>			

a	Piles for foundation	MS 1314-3	Precast concrete piles: part 3: Precast reinforced concrete square piles (RC piles) - Class M, Class J and Class S
		MS 1314-4	Precast Concrete Piles: Part 4: Precast Pretensioned Spun Concrete Piles (Spun Piles) Class A, Class B And Class C
		MS 1314-6	Precase concrete piles: Part 6: Small reinforced concrete square piles class RCS -1 and RCS-2

#### (5) Ready mix concrete

a	Ready mix concrete	MS EN 206-1	Concrete - Specification, performance, production and conformity (Third revision)
		MS 523-2	Method od specifying and guidance for the specifier (Third revision)
		MS 523--3	Specification for constituent materials and concrete (Third revision)
		CIS 21	Production, conformity, Transportation and Delivery Criteria for Producers

#### (6) Sanitary wares

a	Ceramic wash basins	MS 2578	Ceramic Wash Basins - Specification
b	Ceramic water closet pans	MS 1522	Vitreous China Water Closet Pans – Specification (Third Revision)
c	Ceramic flushing cistern	MS 795-1	Wc Flushing Cisterns - Part 1: Specification (Second Revision)
d	Ceramic water closet pans with flushing cisterns (one piece)	MS 147	Specification For Quality Of Vitreous China Sanitary Appliances (First Revision)
		MS 1522	Vitreous china water closet pans - Specification (Fourth revision)
		MS 795-1	Wc Flushing Cisterns - Part 1: Specification (Second Revision)
e	Ceramic urinals (floor or wall mounted)	MS 1799	Urinals - Specification
f	Ceramic bidets and pedestal	MS 147	Specification For Quality Of Vitreous China Sanitary Appliances (First Revision)
g	Ceramic flushing cisterns not equipped with inlet valve and flushing device (close couple, medium level, high level or concealed)	MS 147	Specification For Quality Of Vitreous China Sanitary Appliances (First Revision)
h	Plastic flushing cisterns		
	i- equipped with inlet valve and flushing device (close couple, medium level, high level or concealed),	MS 795-1	Wc Flushing Cisterns - Part 1: Specification (Second Revision)

ii- inlet valve	MS 795-2	Wc Flushing Cisterns - Part 2: Inlet Valves (Second Revision)
iii- flushing device	MS 795-3	Wc Flushing Cisterns - Part 3: Flushing Device (Second Revision)

**(7) Iron and steel products**

*(a) Hot rolled carbon steel sheets or plates*

i- Hot rolled carbon steel sheets or plates	MS EN 10025-2	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)
	API 2H	Specification for Carbon Manganese Steel Plate for Offshore Structures
	API 2W	Specification for Steel Plates for Offshore Structures, Produced by Thermo-Mechanical Control Processing (TMCP), Sixth Edition
	API 2Y	Specification for Steel Plates, Quenched-and-Tempered, for Offshore Structures, Fifth Edition
	API 2MT1	Specification for Carbon Manganese Steel Plate with Improved Toughness for Offshore Structures
	ASTM A131	Specification for Structural Steel for Ships
	ASTM A709	Specification for Structural Steel for Bridges
	ASTM A36	Specification for Carbon Structural Steel
	ASTM A633	Specification for Normalized High-Strength Low-Alloy Structural Steel Plates
	MS 1705	Hot-Rolled Carbon Steel Strip And Sheet Of Commercial And Drawing Qualities (Iso 6317:2000, Mod)
	MS 1768	Hot-Rolled Carbon Steel Strip For Pipes And Tubes
	MS 2658	Hot rolled steel floor plates - Specification
	BS EN 10225	Weldable structural steels for fixed offshore structures. Technical delivery conditions. Plates
	ii- Hot rolled chequered sheets or plates	ASTM A 786
MS EN 10025-2		Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)

		BS EN 39	Loose steel tubes for tube and coupler scaffolds. Technical delivery conditions
		MS 1705	Hot-Rolled Carbon Steel Strip And Sheet Of Commercial And Drawing Qualities (Iso 6317:2000, Mod)
<i>(b) Pipes and tubes</i>			
	i- Seamless carbon steel pipes	API 5L	Specification for Line Pipe, Forty-sixth Edition
		MS ISO 31	Risk management
		API 5CT	Technical specifications for steel casing and tubing pipes used for oil wells in petroleum and natural gas industries
	ii- Welded carbon steel pipes Circular cross-section, non-circular cross-section square or rectangular cross-section. Others of non-circular cross- section	JIS G 3444	Carbon steel tubes for general sturtural purposes
		BS EN 39	Loose steel tubes for tube and coupler scaffolds. Technical delivery conditions
		SPAN TS 21827-1	Specification for Steel Pipes, Fittings and Joints for Water and Sewage. Part 1 : Technical delivery requirements
		SPAN TS 21827-2	Specification for Steel Pipes, Fittings and Joints for Water and Sewage. Part 2 : Tube requirements
		API 5L	Specification for Line Pipe, Forty-sixth Edition
		API 5CT	Technical specifications for steel casing and tubing pipes used for oil wells in petroleum and natural gas industries
		MS ISO 3183	Petroleum And Natural Gas Industries - Steel Pipe For Pipeline Transportation Systems (First Revision) (Iso 3183:2007, Idt)
		MS 2381	Pipe, Steel, Black And Hot-Dipped, Zinc-Coated, Welded And Seamless - Specification
		MS EN 10219-1	Cold formed welded structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions
		MS EN 10219-2	Hot finished structural hollow sections of non-alloy and fine grain steels - Part 2: Tolerances, dimensions and sectional properties

	MS EN 10210-1	Hot finished structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions
	MS EN 10210-2	Hot finished structural hollow sections of non-alloy and fine grain steels - Part 2: Tolerances, dimensions and sectional properties
	MS 1462-2-1	Metal scaffolding - Part 2: Tubular (tube and coupler) scaffolds - Section 1: Specification for steel tubes
iii- Reinforcement coupler - Mechanical splice	ISO 15835-1	Steels for the reinforcement of concrete — Reinforcement couplers for mechanical splices of bars — Part 1: Requirements
	BS 8597	Steels for the reinforcement of concrete. Reinforcement couplers. Requirements and test methods

*(c) Structural and other cast iron and articles*

i- Bridges and bridge sections	MS EN 10025-2	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)
	MS EN 10025-2	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)
iii- Scaffolding	MS 1462-1	Metal scaffolding - Part 1: Prefabricated scaffolds - Specification for steel frame scaffolding (First revision)
	MS 1462-2-1	Metal scaffolding - Part 2: Tubular (tube and coupler) scaffolds - Section 1: Specification for steel tubes
	MS 1462-2-2	Metal scaffolding - Part 2: Tubular (Tube and coupler scaffolds - Section 2: Specification for aluminium tubes
	MS 1462-2-3	Metal scaffolding - Part 2: Tubular (tube and coupler) scaffolds - Section 3: Specification for steel and aluminium couplers, fitting and accessories
	MS 1462-3-1	Metal scaffolding - Part 3: Prefabricated scaffolds - Section 1: Specification for steel and aluminium modular system scaffolding

	MS 1462-3-2	Metal Scaffolding - Part 3: Prefabricated scaffoldings - Section 2: Particular methods of structural design for steel and aluminium modular system scaffoldings
	MS 1462- 4-1	Metal scaffolding - Part 4: Temporary works equipment - Section 1: Scaffoldings - Performance requirements and general design
	MS 1462- 4-2	Metal scaffolding - Part 4: Temporary works equipments - Section 2: Information on materials
	CIS 22	Safe use of scaffolding in construction
[A] Coupler, fitting and accessories for scaffold	BS 1139-2.2	Metal scaffolding. Couplers and fittings. Couplers and fittings outside the scope of BS EN 74. Requirements and test methods
	AS\NZS 1576.2	Scaffolding Couplers and accessories
vi- Corrugated sheet pile:		
[A] Cold form	MS 2025-1	Cold formed sheet piling of non alloy steels - Part 1: Technical delivery conditions (First revision)
	MS 2025-2	Cold formed sheet piling of non alloy steels - Part 2: Tolerances on shape and dimensions (First revision)
[B] Hot form	MS 2674-1	Hot rolled sheet piling of non alloy steels - Part 1: Technical delivery conditions
	MS 2674-2	Hot rolled steel sheet piling of non alloy steels - Part 2: Tolerances on shape and dimensions
v- Bearing piles – angle shape and section	MS EN 10025-2	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)
vi- Guardrails	AASHTO M-180	Specification for Corrugated Sheet Steel Beams for Highway Guardrail
	BS EN ISO 1461	Hot dip galvanized coatings on fabricated iron and steel articles. Specifications and test methods
vii- Fabricated structure	MS EN 10025-2	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)

viii- Railway track	JIS E 1101	Flat bottom railway rails and special rails for switches and crossings of non-treated steel
	BS EN 13674	Railway applications. Track. Rail
xiv- Light gauge steel section	MS EN 10025-2	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)
	JIS G 3350	Light gauge steel sections for general structure (Foreign Standard)
xv- Equal angles, shape and section U, I, L, T or H	MS EN 10025-2	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)
xvi- Falsework steel props	MS EN 1065	Adjustable Telescopic Steel Props - Product Specifications, Design And Assessment By Calculation And Tests
	CIS 23	Safe use of falsework and formwork in construction

*(e) Wire rod, bars and wires*

i- Coil form		
[A] Hot rolled steel reinforcement bar	MS 146	Steel for the reinforcement of concrete - Weldable reinforcing steel - Bar, coil and decoiled product - Specification (Fourth revision)
	AS\NZS 1576.2	Scaffolding Couplers and accessories
[B] Steel wire rod	MS ISO 16120-2	Non-Alloy Steel Wire Rod For Conversion To Wire - Part 2: Specific Requirements For General Purpose Wire Rod (First Revision) (Iso 16120-2:2001, Idt)
	MS ISO 16120-4	Non-Alloy Steel Wire Rod For Conversion To Wire - Part 4: Specific Requirements For Wire Rod For Special Applications (Iso 16120-4:2001, Idt)
[C] Round bar in coil	MS 144	Steel wire for the reinforcement of concrete products - Specification (Fourth revision)
[D] Wire, strands and ropes	MS 1138-2	Prestressing steel - Part 2: Cold-drawn wire
	MS 1138-3	Prestressing steel - Part 3: Steel bars (Quenched and tempered)

		MS 1138-4	Prestressing steel - Part 4: Strand (First revision)
		MS ISO 4344	Steel wire ropes for lifts - Minimum requirements (ISO 4344:2004, IDT)
		MS ISO 2408	Steel Wire Ropes For General purposes – Minimum Requirements (Iso 2408:2004, Idt)
	ii- Wire mesh for construction	MS 145	Steel fabric for the reinforcement of concrete - Specification (Fourth revision)
	iii- Straight form	MS EN 10025-2	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)
		JIS G 3350	Light gauge steel sections for general structure (Foreign Standard)
	[A] Carbon steel for structural use	MS 144	Steel wire for the reinforcement of concrete products - Specification (Fourth revision)
	[B] Carbon steel for structural machine use (flat bar)	MS EN 10025-2	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels (Second revision)
	[C] Hot rolled steel reinforcement bar	MS 146	Steel for the reinforcement of concrete - Weldable reinforcing steel - Bar, coil and decoiled product - Specification (Fourth revision)
	[D] Round bar	MS 144	Steel wire for the reinforcement of concrete products - Specification (Fourth revision)

*(f) Stainless steel products*

i- Seamless, welded stainless steel pipes for construction purpose	MS 1841	Seamless, Welded And Heavily Cold Austenitic Stainless Steel Pipes - Specification (First Revision)
	ASTM A 554	Standard Specification for Welded Stainless Steel Mechanical Tubing
ii- Seamless, welded stainless steel pipes for the conveyance of water	MS 1988	Welded Stainless Steel Tubes For The Conveyance Of Water And Other Aqueous Liquids - Technical Delivery Conditions And Includes Amendment A1
	BS EN 10312	Welded stainless steel tubes for the conveyance of aqueous liquids including water for human consumption. Technical delivery conditions



(iii) Light gauge stainless steel tube for ordinary piping	ASTM A 312	Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes
	JIS G 3448	Light gauge stainless steel tubes for ordinary piping
	JIS G 3448	Light gauge stainless steel tubes for ordinary piping
	AS\NZS 1576.2	Scaffolding Couplers and accessories
iv- Stainless steel-angled, shape and cross-section	MS 2240-2	Stainless Steel For General Purposes - Part 2: Semi-Finished Products, Bars, Rods And Sections (Iso 16143-2:2004, Mod)
v- Casing and tubing of a kind used in drilling for oil and gas	API 5CT	Technical specifications for steel casing and tubing pipes used for oil wells in petroleum and natural gas industries

*(g) Alloy steel product*

i- Hot rolled steel alloy steel plate and coil	MS EN 10025-6	Hot rolled products of structural steels - Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition
ii- Equal angles, shape and section U, I, L,T or H	MS EN 10025-5	Hot rolled products of structural steels - Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance
	MS EN 10035-6	Hot rolled products of structural steels - Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition
iii- Hot rolled wire rod for pre-stressed steel	MS 2682	Hot rolled wire rod for pre-stressed steel - Specification

*(h) Cast iron products*

i- Non-malleable cast iron – manhole covers	BS EN 124	Gully tops and manhole tops for vehicular and pedestrian areas
ii- Tube, pipe and hollow profile	MS 1919	Ductile iron pipes, fittings, accessories and their joints for water pipelines - Requirements and test method (First revision)
	BS EN 598	Ductile iron pipes, fittings, accessories and their joints for sewerage applications. Requirements and test methods
	ISO 6594	Cast iron drainage pipes and fittings — Spigot series