		WATER SUPPLY PRODUCTS				
No.	Products	Standard Number	Standard Title			
	Water Pipes Products					
1	Polyethylene (PE) Pipes	MS 1058: Part 2:2005	Specification for Polyethylene (PE) piping systems for water supp Part 2: Pipes (Forth Revision)			
		ISO 4427-2:2007:AMD 1:2011	Plastics piping systems. Polyethylene (PE) pipes and fittings for wa			
			supply.			
			Part 2: Pipes			
		DIN 8075 (2011-12)	Polyethylene (PE) Pipes. PE 80, PE 100.			
			General quality requirements, testing			
2	Polyethylene Raised Temperature (PE-RT) Pipes	MS 2508-2:2012	Plastics piping systems for hot and cold water installations.			
			Polyethylene of Raised Temperature Resistance (PE-RT)			
			Part 2: Pipes (ISO 22391-2:2009, MOD)			
		ISO 22391-2:2009	Plastics piping systems for hot and cold water installations. Polyethylene of Raised Temperature Resistance (PE-RT). Part 2: Pip			
			Polyetilyiene of Raiseu Temperature Resistance (FL- RT). Part 2. Pip			
3	Multilayer Pipe PE-RT/AL/PE- RT	BS EN ISO 21003- 2:2008+A1:2011	Multilayer piping systems for hot and cold water installations insid			
		BS EN ISO 21003- 1:2008	buildings. Pipes. Multilayer piping systems for hot and cold water installations insid			
			buildings. General.			
4	Crosslinked Polyethylene (PE-X) Pipes	MS 1736:Part 2:2004	Plastics piping systems for hot and cold water installations.			
			Cross-linked Polyethylene (PE-X). Part 2: Pipes			
		ISO 15875-2:2003	Plastics piping systems for hot and cold water installations.			
			Cross-linked Polyethylene (PE-X) - Part 2: Pipes.			
		AS/NZS2492:2007	Cross-linked Polyethylene (PE- X) pipes for pressure			
			applications.			
5	Multilayer Pipe PE-X/AL/PE-X	AS 4176:1994	Polyethylene / Aluminium and Cross-linked Polyethylene			
			/Aluminium Macro-composite pipe systems for pressure applications.			
		AS 4176.2:2010	Multilayer pipes for pressure applications.			
			Multilayer piping systems for hot and cold water plumbing applications. Pipes.			
	Multilayer Pipes Polyethylene-Aluminium-		Standard specification for Polyethylene/Aluminium/Polyethylene (Pl			
6	Polyethylene (PE-AL-PE)	ASTM F1282-03	AL-PE) composite pressure pipe.			
7	Unplasticized Poly(Vinyl Chloride) (PVC-U) Pipes	MS 628-2:2014	Plastics piping systems for water supply and for buried and above			
			ground drainage and sewerage under pressure. Unplasticized Poly(Vinyl Chloride) (PVC-U)			
			Part 2: Pipes (Second Revision)			
			(ISO 1452-3:2009, Mod)			
		MS 628: Part 1: 1999 AMD.1:2001 &	Specification for Unplasticized PVC (uPVC) pipes for water supply			
		AMD.2:2002	Part 1: Pipes (1 st revision)			
	Unplasticized Poly(Vinyl Chloride) (PVC-U) Pipes	RS FN ISO 1452-2: 2009	Plastics piping systems for water supply and for buried and above			
	onplasticized Fory(viny) chloride) (Five o) Fipes	DS EN 150 1432 2. 2005	ground drainage and sewerage under pressure.			
			Unplasticized Poly(Vinyl Chloride) (PVC-U). Pipes.			
8	Solvent cement for PVC-U piping system	MS 628-4:2015	Plastics piping systems for water supply and for buried and above			
			ground drainage and sewerage under pressure. Unplasticized Poly(Vinyl Chloride) (PVC-U)			
			Part 4: Solvent Cement.			
		MC C20, Bart 2: Continue 2: 2 1000	Consideration for Unabeliated DVG (UDVG)			
		MS 628: Part 2: Section 2.2:1999	Specification for Unplasticized PVC (UPVC) pipes for water supply Part 2: Joints and fittings for use with Unplasticized PVC Pipes.			
			Section 2.2: Solvent Cement.			
9	Chlorinated Poly(Vinyl Chloride) (PVC-C) Pipes	MS 2045:2007	Chlorinated Poly(Vinyl Chloride) (PVC-C) plastic hot and cold water distribution systems.			
			Specification			
		MS 1757: Part 1: 2008	Chlorinated Poly(Vinyl Chloride) (PVC-C) Plastic Piping System.			
	1	İ	Part 1: Specification for Schedules 40 & 80 Pipes			

		ASTM D2846 / D2846M-09b	Standard specification for Chlorinated Poly(Vinyl Chloride) (cPVC) plastic hot and cold water distribution system.
10	Oriented Poly(Vinyl Chloride) (PVC-O) Pipes	ISO 16422:2014	Pipes and joints made of Oriented Unplasticized Poly (Vinyl Chloride) (PVC-O) for the conveyance of water under pressureSpecifications
		ISO 16422:2006	Pipes and joints made of Oriented Unplasticized Poly (Vinyl Chloride) (PVC-O) for the conveyance of water undernpressure - Specifications
11	Acrylonitrile- Butadiene- Styrene (ABS) Pipes	MS 1419: Part 1: 2007	Acrylonitrile-Butadiene Styrene (ABS) piping systems for pressure applications. Part 1: Specification for compounds, pipes and fittings (First Revision)
		AS/NZS 3518:2004	Acrylonitrile Butadiene Styrene (ABS) compounds, pipes and fittings for pressure applications.
12	Solvent cement for ABS piping system	MS 1419: Part 3:1997	Specification for Acrylonitrile Butadiene Styrene (ABS) pipes and fittings for pressure applications. Part 3: Solvent cement and priming (cleaning) fluids for use with ABS pipes and fittings.
13	Polypropylene (PP) Pipes	MS 2286-2:2012	Plastics piping systems for hot and cold water installations. Polypropylene (PP) - Part 2: Pipes (ISO 15874-2:2003, Amd.1:2007, MOD)
		ISO 15874-2:2013	Plastics piping systems for hot and cold water installations. Polypropylene (PP) - Part 2: Pipes.
		DIN 8078 (2008-09)	Polypropylene (PP) Pipes PP-H, PP-B, PP-R, PP-RCT. General quality requirements and testing.
14	Polybutylene (PB) Pipes	MS ISO 15876-2: 2004,AMD.1:2009	Plastics piping systems for hot and cold water installations. Polybutylene (PB) - Part 2: Pipes (ISO 15876-2:2003, MOD)
		AS/NZS 2642-2: 2008	Polybutylene (PB) plumbing pipe systems. Polybutylene (PB) pipe for hot and cold water applications
15	Glass Reinforced Plastic (GRP) Pipes	ISO 10639:2004/ Amd 1:2011	Plastics piping system for pressure and non-pressure water supply. Glass Reinforced Thermosetting Plastics (GRP) systems based on Unsaturated Polyester (UP) resin
		ISO 10639:2004	Plastics piping system for pressure and non-pressure water supply. Glass Reinforced Thermosetting Plastics (GRP) systems based on Unsaturated Polyester (UP) resin.
		BS EN 1796:2013	Plastics piping system for water supply with or without pressure. Glass Reinforced Thermosetting Plastics (GRP) based on Unsaturated Polyester resin. Jacking Pipe
		ISO 25780:2011	Plastics piping system for pressure and non-pressure water supply, irrigation, drainage or sewerage. Glass Reinforced Thermosetting Plastics (GRP) systems based on Unsaturated Polyester (UP) resin. Pipes with flexible joints intended to be installed using jacking techniques. *Listing for GRP Pipes using Jacking Method shall accompany with ISO 10639
16	Steel Pipes	SPAN TS 21827: 2013	Specification for Steel Pipes, Fittings and Joints for water and sewage. Part 1: Technical Delivery Requirements Part 2: Tube Requirements
		MS 1968:2007 (confirmed 2011) BS EN 10224:2002	Non-Alloy Steel Tubes and Fittings for the conveyance of aqueous liquids including water for human consumption. Technical delivery conditions Non-Alloy Steel Tubes and Fittings for the conveyance of water
			and other. Technical delivery conditions
17	Stainless Steel (SS) Pipes Industrial	MS 1841:2010 ASTM A312 / A312M-2014B	Seamless, welded and heavily cold austenitic Stainless Steel Pipes. Specification (First Revision) Standard specification for seamless, welded, and heavily cold worked austenitic Stainless Steel Pipes.
18	Stainless Steel (SS) Light Gauge Tubes	MS 1988:2007 (Confirmed: 2011)	Welded Stainless Steel Tubes for the conveyance of water and other aqueous liquids. Technical delivery conditions and includes amendment A1

1	1	BS EN 10312:2002	Welded Stainless Steel Tubes for the conveyance of aqueous liquids
			including water for human consumption. Technical delivery conditions.
		JIS G 3448:2012	Light Gauge Stainless Steel Tubes for ordinary piping.
19	Ductile Iron (DI) Pipes	MS 1919:2013	Ductile Iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods (First Revision)
		BS EN 545:2010	Ductile Iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods (First Revision)
		BSEN 545:2006	Ductile Iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods (First Revision)
20	Copper Tubes	BS EN 1057:2006+A1:2010	Copper and copper alloys. Seamless, round copper tubes for water and gas in sanitary and heating applications.
21	Steel Pipe with Plastic Lining	CJ/T 136:2001	Steel Pipes of lining plastic for water supply.
22	Modified Poly(Vinyl Chloride) (PVC-M) Pipes	AS/NZS 4765:2007	Modified PVC (PVC-M) pipes for pressure applications.
	Water Fittings Products		
1	Polyethylene (PE) Fittings	MS 1058: Part 3:	Polyethylene (PE) piping systems for water supply. Part 3: Fittings
		2006 AS/NZS 4129:2008	Fittings for Polyethylene (PE) pipes for pressure applications.
		BS EN 12201-3: 2011+A1:2012	Plastics piping systems for water supply, and for drainage and sewerage under pressure. Polyethylene (PE) - Fittings
2	High Density Polyethylene (HDPE) Joints Assemblies and Fittings	DIN 16963-5 (1999-10)	Pipe fittings and joints and assemblies for PE 80 and PE 100 Polyethylene pressure pipes. Part 5: General Quality Requirements and Testing Polyethylene (PE) Fabricated Fittings
		MS 1058: Part 2: 2005 AMD.1:2011	Polyethylene (PE) piping systems for water supply. Part 2: Pipes (Forth Revision)
		DIN 16963-1 (1980-08)	Pipe joints and elements for High Density Polyethylene (HDPE) Pressure Pipelines, Type 1 and 2; Pipe Bends of segmental construction for butt-welding. Dimensions.
		DIN 16963-2 (1983-02)	Pipe joint assemblies and fittings for type 1 and 2 High- Density Polyethylene (HDPE) pressure pipes; Tees and braches produced by segment inserts and necking for butt welding. Dimension.
		DIN 16963-5 (1999-10)	Pipe joint assemblies and fittings for high density polyethylene (PE-HD) pressure pipes; General quality requirements, testing. Polyethylene (PE) Injection Fittings
		DIN 16963-4 (1988-11)	Pipe joint assemblies and fittings for high-density polyethylene (PE-HD) pressure pipes; adaptors for fusion jointing, flanges and sealing elements; dimensions.
		DIN 16963-5 (1999-10)	Pipe joint assemblies and fittings for high density polyethylene (PE-HD) pressure pipes; general quality requirements, testing.
		DIN 16963-6 (1989-10)	Pipe joint assemblies and fittings for high-density polyethylene (PE-HD) pressure pipes; injection-moulded fittings for butt welding; dimensions.
3	Crosslinked Polyethylene (PE-X) Fittings	MS 1736: Part 3:2004	Plastics piping systems for hot and cold water installation. Crosslinked Polyethylene (PE-X). Part 3: Fittings
		AS 2537:1994	Mechanical jointing fittings for use with Cross-linked Polyethylene (PE-X) pipe for hot and cold water applications.
4	Polyethylene Raised Temperature Resistance (PE-RT) Fittings	MS 2508-3:2012	Plastics piping systems for hot and cold water installations. Polyethylene of Raised Temperature Resistance (PE-RT) Part 3: Fittings (ISO 22391-3: 2009, MOD)
		ISO 22391-3:2007	Plastics piping systems for hot and cold water installations. Polyethylene of Raised Temperature Resistance (PE-RT) Part 3: Fittings
	1		

5	Multilayer Fittings PE- RT/AL/PE-RT	ISO 21003 3:2008	Multilayer piping systems for hot and cold water installations inside buildings. Part 3: Fittings
6	Poly(p -Phenylene Oxide) (PPO) and Macro- Composite Fittings	AS 4176:1994	Polyethylene/Aluminium and Cross-linked Polyethylene / Aluminium Macro-composite pipe systems for pressure applications.
		AS 4176.3:2010	Multilayer pipes for pressure applications. Multilayer piping systems for hot and cold water plumbing applications. Fittings
7	Mechanical Joints and Compression Fittings	ISO 17885:2015	Plastic piping systems. Mechanical fittings for pressure piping system
8	Polypropylene (PP) Fittings	MS 2286-3:2012	Specification Plastics piping systems for hot and cold water installations. Polypropylene (PP) Part 3: Fittings (ISO 15874-3:2003,FDAM 1:2009, MOD)
		ISO 15874-3:2013	Plastics piping systems for hot and cold water installations. Polypropylene (PP) Part 3: Fittings
		DIN 16962-5 (2000-04)	Pipe fittings and joint assemblies for Polypropylene (PP) pressure pipes - Part 5: General quality requirements and testing
9	Polybutylene (PB) Fittings	MS ISO 15876 3: 2004	Plastics piping systems for hot and cold water installations Polybutylene (PB) Part 3: Fittings
		AS/NZS 2642-3: 2008	Polybutylene pipe systems Mechanical jointing fittings for use with Polybutylene (PB) pipes for hot and cold water applications
10	Unplasticized Poly(Vinyl Chloride) (PVC-U) Joints/Fittings	MS 628-3:2014	Plastics piping systems for water supply and for buried and above- ground drainage and sewerage under pressure. Unplasticized Poly(Vinyl Chloride) (PVC-U) - Part 2: Fittings (First Revision) (ISO 1452-3:2009, Mod)
		MS 628:Part 2:Section 2.1:1999	Specification for Unplasticized PVC (uPVC) pipes for water supply. Part 2: Joints and Fittings for use with uPVC Pipes. Section 2.1: uPVC Joints and Fittings
		BS EN ISO:1452-3: 2010	Plastics piping systems for water supply and for buried and above- ground drainage and sewerage under pressure. Unplasticized Poly(Vinyl Chloride) (PVC-U) Fittings.
		BS 4346-1:1969	Joints and fittings for use with Unplasticized PVC pressure pipes. Injection moulded Unplasticized PVC fittings for solvent welding for use with pressure pipes, including potable water supply.
		BS 4346-2:1970	Joint and fittings for use with Unplasticized PVC pressure pipes. Mechanical joints and fittings, principally of Unplasticized PVC.
11	Chlorinated Poly(Vinyl Chloride) (PVC-C) Fittings	MS 2045:2007	Chlorinated Poly(Vinyl Chloride) (PVC-C) plastic hot and cold water distribution systems. Specification.
		MS 1757: Part 2: 2008	Chlorinated Poly(Vinyl Chloride) (PVC-C) Plastic Piping System. Part 2: Specification for Schedule 40 Socket-type pipe fittings.
		MS 1757: Part 3: 2008	Chlorinated Poly(Vinyl Chloride) (PVC-C) Plastic Piping System. Part 3: Specification for Schedule 80 Pipe Fittings.
		ASTM D2846 / D2846M-09b	Standard specification for Chlorinated Polyvinyl Chloride (cPVC) plastic hot and cold water distribution system.
12	Oriented Poly(Vinyl Chloride) (PVC-O) Fittings	ISO 16422:2014	Pipes and joints made of Oriented Unplasticized Poly (Vinyl Chloride) (PVC-O) for the conveyance of water under pressure Specifications
		ISO 16422:2006	Pipes and joints made of Oriented Unplasticized Poly(Vinyl Chloride) (PVC-O) for the conveyance of water under pressure Specifications
13	Acrylonitrile- Butadiene- Styrene (ABS) Fittings *refer Appendix C1 (SPAN Additional Requirement)	MS 1419: Part 1: 2007	Acrylonitrile-Butadiene Styrene (ABS) piping systems for pressure applications. Part 1: Specification for compounds, pipes and fittings (First Revision)

		AS/NZS 3518:2004	Acrylonitrile Butadiene Styrene (ABS) compounds, pipes and fittings
			for pressure application
14 (ilass Reinforced Plastic (GRP) Fittings	ISO 10639:2004/ Amd 1:2011	Plastics piping system for pressure and non-pressure water supply Glass Reinforced Thermosetting Plastics (GRP) systems based on Unsaturated Polyester (UP) resin Amendment 1
		ISO 10639:2004	Plastics piping system for pressure and non-pressure water supply Glass Reinforced Thermosetting Plastics (GRP) Systems based on Unsaturated Polyester (UP) resin
		BS EN 1796:2013	Plastics piping system for water supply with or without pressure Glass Reinforced Thermosetting Plastics (GRP) based on Unsaturated Polyester resin
15 S	teel Pipe Specials	SPAN TS 21827:	Specification for Steel Pipes, fittings and joints for water and
		2013	sewerage Part 1: Technical delivery requirements Part 2: Tube requirements
		MS 1968:2007	Non-alloy steel tubes and fittings for the conveyance of aqueous liquids including water for human consumption Technical delivery conditions
16 S	tainless Steel (SS) Threaded Fittings	MS 2495:2012	Pipework - Stainless steel fittings threaded in accordance with MS 1989: Part 1 ((TSO 4144:2003, MOD)
		ISO 4144:2003	Pipework - Stainless Steel fittings threaded in accordance with ISO 7-1
17 0	tainless Steel (SS) Welded Fittings	MC 1042-2010	Manusht Austonitis Christop Charles States
17 S	tainiess Steel (SS) Welded Fittings	MS 1842:2010	Wrought Austenitic Stainless Steel piping fittings Specification (First Revision)
		ASTM 403/A403M-13a	Standard specification for Wrought Austenitic Stainless Steel piping fittings
18 [Ductile Iron Fittings	MS 1919:2013	Ductile Iron pipes, fittings, accessories and their joints for water
10	octile from Fittings	INIS 1919.2015	pipelines Requirement and test method (First Revision)
		MS 1919:2006	Ductile Iron pipes, fittings, accessories and their joints for water pipelines Requirement and test method.
		EN 12842:2012	Ductile Iron Fittings for PVC-U or PE piping systems. Requirement and test method
19 (Copper & Copper Alloys Fittings	BS EN 1254-1: 1998	Copper and Copper Alloys. plumbing fittings. fittings with short
		BS EN 1254-2: 1998	ends for capillary brazing to Copper Tubes. Copper and Copper Alloys. plumbing fittings. Fittings with
		BS EN 1254-3:1998	compression ends for use with Copper Tubes. Copper and Copper Alloys. Plumbing fittings.
		55 EN 1254 5.1550	Fittings with compression ends for use with plastic pipes.
		BS EN 1254-4:1998	Copper and Copper Alloys. Plumbing fittings. Fittings combining other end connections with capillary or compression ends.
		BS 8537:2010	Copper and Copper Alloys. Plumbing fittings. Specification for press ends of plumbing fittings for use with metallic tubes.
		AS 3688:2005	Water supply Metallic fittings and end connectors
20 S	teel Fittings with Plastic Lining	CJ/T 137:2001	Malleable Iron Threaded Fittings of Lining Plastic for water supply.
21 \	'ariable Adapter	Spesifikasi JKR 20200-0045-99	JKR Standard Specification for Detachable Joints and Variable Adaptor for uPVC, Ductile Iron and AC Pipes.
22 F	lange Adapter	Spesifikasi JKR 20200-0048-99	JKR Standard Specification for Flexible Couplings and Flange Adaptors
23 F	lexible Coupling	Spesifikasi JKR 20200-0048-99	JKR Standard Specification for Flexible Couplings and Flange Adaptors
24	Detachable Joint	Spesifikasi JKR 20200-0045-99	JKR Standard Specification for Detachable Joints and Variable Adaptor for uPVC, Ductile Iron and AC Pipes
25 F	errous Saddle	Spesifikasi JKR 20200-0044-99	JKR Standard Specification for Ferrous Saddles
26 F	illar Hydrant	JKR Spec. 20200-0184-04 MS 1395:2011	JKR Standard Specification for Ferrous Saddles Pillar Fire Hydrants: Specification (First Revision)
	Ductile Iron (DI) Strainer	Spesifikasi JKR 20200-0042-99 Spesifikasi JKR 20200-0100-01	JKR Standard Specification for Ductile Iron Pillar Hydrants JKR Standard Specification for Ductile Iron Y and T Strainers (DN 50 to
	wivel Ferrules		DN 600) JKR Standard Specification for Ferrules
	Inder Pressure Vertical Ferrules	Spesifikasi JKR 20200-0174-04 MS 1396:2006	Ferrules - Specification (First Revision)

30	Polypropylene (PP) Tapping Ferrules	Spesifikasi JKR 20200-0055-99	JKR Standard Specification for Polypropylene (PP) Tapping Ferrules to be used with Polyethylene (PE) and uPVC Pipes
31	Manhole Cover	BS EN 124-1:2015	Gully tops and manhole tops for vehicular and pedestrian areas Definitions, classification, general principles of design, performance requirements and test methods.
		BS EN 124-2:2015	Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of cast iron.
		BS EN 124-3:2015	Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of steel or aluminium alloys.
		BS EN 124-4:2015	Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of steel reinforced concrete.
		BS EN 124-5:2015	Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of composite materials.
		BS EN 124-6:2015	Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of Polypropylene (PP), Polyethylene (PE) or Unplasticized Poly(Vinyl Chloride) (PVC-U).
		BS EN 124:1994	Gully Tops and Manhole Tops for vehicular and pedestrian areas - Design requirements, type testing, marking, quality control
32	Polypropylene (PP) Clamp Saddle	Spesifikasi JKR No. 1-95 (BA)	JKR Standard Specification for Polypropylene (PP) Clamp Saddle to be used with Polyethylene (PE) Pipe
33	Vulcanized Rubber Pipe Joint Seals	BS EN 681-1:1996	Elastomeric Seals Material requirements for pipe joint seals used in water and drainage application. Part 1: Vulcanized Rubber
34	Steel Flange	BS EN 1092-1: 2007+A1:2013	Flanges and their joints. Circular flanges for pipes, valves, fittings and accessories, PN Designated - Part 1: Steel Flanges
		BS EN 1759-1: 2004	Flanges and their joints. Circular flanges for pipes, valves, fittings and accessories, class-designated. Steel flanges, NPS 1/2 to 24
	Service Reservoir Products	l	
1	Cylindrical Double Fold System	BS 5950-1:2000	Structural Use of Steelwork in Building
			Part 1: Code of practice for design rolled and welded section
2	Glass Coated/ Glass Lined/ Glass Fused/ Epoxy Coated/ Epoxy Lining	ISO 28765:2016	Vitreous and Porcelain Enamels - Design of bolted steel tanks for the storage treatment of water or municipal or industrial effluents and sludges
		ISO 28765:2008	Vitreous and Porcelain Enamels - Design of bolted steel tanks for the storage treatment of water or municipal or industrial effluents and sludges
		AWWA D103-09	Factory-Coated Bolted Steel Tanks for Water Storage
		AWWA D103-97	Factory-Coated Bolted Steel Tanks for Water Storage
	Storage Cisterns Products		
1	Cylindrical Double Fold System	BS 5950-1:2000	Structural use of steelwork in building Part 1: Code of practice for design rolled and welded section
2	Glass Coated/ Glass Lined/ Glass Fused/ Epoxy Coated/ Epoxy Lining	ISO 28765:2016 (any total adoption of the standard is accepted)	Vitreous and Porcelain Enamels. Design of bolted steel tanks for the storage treatment of water or municipal or industrial effluents and sludges
		ISO 28765:2008	Vitreous and Porcelain Enamels Design of bolted steel tanks for the storage treatment of water or municipal or industrial effluents and sludges
		AWWA D103-09	Factory-Coated Bolted Steel Tanks for water storage
		AWWA D103-97	Factory-Coated Bolted Steel Tanks for water storage
3	Storage Tank Polyethylene (PE) Tanks	MS 1225-1:2014	Polyethylene (PE) Tanks for cold water storage; Part 1: Capacity up to 600G (Third Revision)
		MS 1225: Part 1: 2007 AMD 1:2011	Polyethylene (PE) Tanks for cold water storage; Part 1: Capacity up to 600G (Second Revision)
		MS 1225: Part 2: 2006 AMD.1:2011	Polyethylene (PE) Tanks for cold water storage; Part 2: Capacity more than 600G (First Revision)
4	Glass-fibre Reinforced Polyester (GRP) Sectional Water Tank	MS 1390:2010	Glass-fibre Reinforced Polyester panels and panel water tanks Specification (First Revision)
5	Corrugated Steel Panel withPolyethyle ne-Lined Water Storage Tank	SS 245:2014	Specification for glass reinforced polyester sectional water tank.
		SS 245:1995 (Cl. 10.2.1 & Cl. 10.2.2)	Specification for glass reinforced polyester sectional water tank.
		BS 1449-1.1:1991	Steel Plate, Sheet & Strip. Carbon and carbon- manganese plate, sheet and strip general specification.

6	Glass-fibre Reinforced Polyester (GRP) One- Piece Water Tank	MS 1241;2011	One Piece Glass-fibre Reinforced Polyester (GRP) water to nominal capacity of 100 000 litres and below. -Specification (First Revision)
7	Pressed Steel Sectional Rectangular Tank Panel	BS 1564:1975	Specification for Pressed Steel Sectional Rectangular Tanks.
8	Stainless Steel Storage Tank	JKR 20200-0041-99	Stainless Steel water tanks (with effective capacity up to 15,00
9	Stainless Steel Storage Tank (Rectangular / Panel Tank)	CNS 9443:2000	Stainless Steel Storage Tanks.
	Valves		
1	Butterfly Valve	Directive 2014/68/EU	Pressure Equipment Directive
		BS EN 593:2009+ A1:2011	Industrial Valves. Metallic Butterfly Valves
2	Air Valve	Directive 2014/68/EU	Pressure Equipment Directive
		BS EN 1074-4: 2000	Valves for water supply. Fitness for purpose requirements and appropriate verification tests. Air Valves
		JKR 20200-0097-01	Ductile Iron Air Valves (Revised Edition 2001)
		JKR 20200-0043-99	Ductile Iron Air Valves (Revised Edition 1999)
		AWWA C512-07	Air Release, Air/Vacuum, and combination Air Valve for
			waterworks service
3	Gate Valve	MS 1049:1986	Specification for double Flanged Cast Iron Wedge Gate (Sluice) valv
			for waterworks purposes
		Directive 2014/68/EU	Pressure Equipment Directive
		EN 1074-2:2004	Valves for water supply. Fitness for purpose requirements and
		1	appropriate verification tests.
			Part 2: Isolating valves
		BS EN 1074-2:	Valves for water supply. Fitness for purpose requirements and
		2000	appropriate verification tests.
			Isolating valves.
		BS EN 12288:2010	Industrial Valves. Copper Alloy Gate Valves
		BS EN 1171:2002	Industrial Valves. Cast Iron Gate Valves
		BS 5163-1:2004	Valves for waterworks purposes.
		55 5105 1.2004	Predominantly key-operated cast iron gate valves.
			Code of practice
		BS 5163-2:2004	Valves for waterworks purposes.
			Stem Caps for use on isolating valves and associated water control
			apparatus. Specification
		JKR 20200-0077-00	Ductile Iron Type B Large Sluice Valves
		JKK 20200-0077-00	(DN700 - DN1800)
4	Check Valve	Directive 2014/68/EU	
4	Cleck valve		Pressure Equipment Directive
		BS EN 12334:2001	Industrial Valves.
			Cast Iron Check Valves
		BS EN 14341:2006	Industrial Valves. Steel Check Valves
		BS EN 1074-3:2000	Valves for water supply. Fitness for purpose requirements and
		1	appropriate verification tests.
			Check valves
		AWWA C508-09	Swing-Check Valves for waterworks service,
			2-In. (50 mm) through 24-In. (600 mm) NPS
5	Control Valve	BS EN 1074-5:2001	Valves for Water Supply Fitness Purpose
		1	Requirements and Appropriate Verification Tests.
		1	Part 5: Control Valve
		AWWA C530-12	Pilot-operated control valve
		AWWA C530-07	Pilot-operated control valve
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6	Stop Valve	BS EN 1213:2000	Building Valves.
		1	Copper alloy stopvalves for potable water supply in buildings.
			Test & Requirements
		BS 6675:1986	Specification for servicing valves (copper alloy) for water service
		1	<u> </u>
		JKR 20200-0172- 04	JKR Standard Specification for Stop Valves
		1	(Revised Edition 2004)
7	Ball Valves (Float Operated Valve)	BS EN 13828:2003	Building valves.
•	San varves (Float Operated valve)	25 211 15020.2005	Manually operated copper alloy and stainless steel ball valves for
		1	
		1	potable water supply in buildings.
			Tests and requirements.
		BS 1212: Part 1:1990	Float Operated Valves. Specification for piston type float
		1	operated valves (Copper Alloy Body)
			Float Occasion Value Consideration for discharge two
		BS 1212: Part 2:1990	
		BS 1212: Part 2:1990	float Operated valves. Specification for diaphragm type float operated valves (Copper Alloy) (Excluding Float)
8	Landing Valve	BS 1212: Part 2:1990 MS 1210: Part 1:1991	float operated valves (Copper Alloy) (Excluding Float)
8	Landing Valve	MS 1210: Part 1:1991	float operated valves (Copper Alloy) (Excluding Float) Specification for Fire Hydrant systems equipment
8	Landing Valve	MS 1210: Part 1:1991 (Confirmed:2011)	float operated valves (Copper Alloy) (Excluding Float) Specification for Fire Hydrant systems equipment Part 1: Landing Valves for wet risers
8	Landing Valve	MS 1210: Part 1:1991	float operated valves (Copper Alloy) (Excluding Float) Specification for Fire Hydrant systems equipment

		BS 5041: Pt 1:1987	Fire Hydrant systems equipment. Specification for landing valves for wet risers
		BS 5041: Pt 3:1975	Fire Hydrant system equipment. Specification for inlet breeching for dry riser inlets
9	Mixing Valve (Manually Operated)	BS EN 1286:1999	Sanitary Tapware. Low Pressure Mechanical Mixing Valves. General technical specification
10	Float Operated Valve	MS 1882:2005 (Confirmed 2013)	Piston Type Float Operated Valves Specification
		MS 1882:2005	Piston Type Float Operated Valves Specification
		JKR 20200-0178-04	JKR Standard Specification for Piston Type Float Operated Valves. (Revised Edition 2004)
11	Pressure Reducing Valves	BS EN 1567:2000	Building Valves. Water pressure valves and combination water reducing valves. Requirements and test.
12	Plug Valve	BS 5158:1989	Specification for cast iron plug valves.
40		AWWA C517-09	Resilient-Seated Cast-Iron Eccentric Plug Valves.
13	Penstock	BS 7775:2005	Penstocks for use in water and other liquid flow applications. Specification.
		JKR 20200-0108-01	JKR Standard Specification for Penstocks. (Revised Edition 2001)
14	Globe Valve	BS EN 13789:2010	Industrial Valves: Cast Iron Globe Valve.
		BS EN 13789:2002	Industrial Valves: Cast Iron Globe Valve.
15	Knife Gate Valve	MSS SP-81-2013	Stainless-Steel or Stainless-Steel-Lined, Bonnetless, Knife Gate Valve with Flanged Ends.
		MSS SP-81-2000	Stainless Steel, Bonnetless, Flanged Knife Gate Valve.
	Back Flow Preventer		The second second
1	Dual Check Backflow Preventer	AS/NZS 3500.1:2015	Plumbing and drainage Water Services
		AS/NZS 3500.1: 2003/Amdt 2:2010	Plumbing and drainage Water Services
		BS EN 14454:2005	Devices to prevent pollution by backflow of potable water. Hose Union backflow preventer DN15 to DN32 inclusive. Family H, Type A.
2	Reduced Pressure Zone Assembly	AS/NZS 3500.1:2015	Plumbing and drainage Water Services
		AS/NZS 3500.1:2003/Amdt 2:2010	Plumbing and drainage Water Services
		BS EN 12729:2002	Devices to prevent pollution by backflow of potable water. Controllable backflow preventer with reduced pressure zone. Family B, Type A
3	Cast Iron Check Valves	BS EN 12334:2001	Industrial Valves.
		20 531 4 42 44 2000	Cast Iron Check Valves.
5	Steel Check Valves Copper Alloy Globe, Globe Stop, Check and Gate	BS EN 14341:2006 BS EN 12288:2010	Industrial Valves. Steel Check Valves. Industrial Valve.
	Valves Meter		Copper Alloy Gate Valve.
1	Mechanical Water Meter	MS ISO 4064-1:2006	Measurement of Water Flow in fully charged closed conduits. Meters for Clod Potable Water and Hot Water. Part 1: Specification. (First revision) (ISO 4064-1:2005, IDT)
	Sanitary Fittings - Taps and Mixer	<u> </u>	[1.55 .007 1.2000) 101)
1	Bib Tap Pillar Tap Faucet	AS/NZS 3718:2005	Water Supply Tap ware
		BS EN 200:2008	Sanitary Tapware. Single taps and combination taps for water supply systems of Type 1 and Type 2. General technical specification
2	Mixer	BS EN 817:2008	Sanitary tapware. Mechanical mixing valves (PN 10). General technical specification
		BS EN 1286:1999	Sanitary Tapware. Low Pressure Mechanical Mixing Valves. General technical specification.
	Sanitary Wares	<u> </u>	
1	Water Closet	MS 1522:2015	Vitreous China Water Closet Pans. Specification. (Fourth Revision)
	Water Closet Flushing Cistern & Flush Pipes		
1	Water Closet Flushing Cistern & Flush Pipes	MS 795-1:2011	WC Flushing Cisterns. Part 1: Specification.
	Water Closet Flushing Cistern & Flush Pipes	<u> </u>	(Second Revision)
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A Calcium Hydroded Lime MS 1888/2005 Specification S	3	Aluminium Sulphate	MS 699:2008	
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8 Ferric Chloride MS 1450-1399 Specification for liquid Ferric Chloride for potable water treatment Polyment Chloride and ACH MS 1432-13999 Specification for liquid Ferric Sulphate for potable water supply Specification for liquid Ferric Sulphate for potable water supply Specification for liquid Ferric Sulphate for potable water supply Specification for liquid Ferric Sulphate for potable water supply Specification for liquid Ferric Sulphate for potable water supply Specification for liquid Ferric Sulphate for use in potable water supply Specification for Sodium Floride for use in potable water supply Specification for Sodium Floride for use in potable water supply Specification MS 1932-2007 Polymer based on PolyanDMAC MS 1930-2007 Polymer based on PolyanDMAC MS 1930-2007 Polypholydallylidimetryl Armonium Chloride) or PolyaDMAC for use in potable water supply Specification MS 1930-2007 Polymer based on Polyand Specification MS 1930-2009 MS 1930-20		Canada Sulahata	MC 4574 2002	
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Sodium Aluminate	15	Soda Ash (Sodium Carbonate)	MS 1551:2002	
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Sodium Flouride	10	Sodium Aluminate	INS 1572:2003	·
Sodium Hypochlorite MS 1718:2003 Sodium Hypochlorite for use in potable water supply - Specification	17	Sodium Flouride	MS 1573:2003	
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	Knife Gate Valve	MSS SP-81-2013	Stainless-Steel or Stainless-Steel-Lined, Bonnetless, Knife Gate
6	Plug Valve	AWWA C517-09	Valve with Flanged Ends Resilient Seated Cast Iron Eccentric Plug Valves
7	Penstock	BS 7775:2005	Penstocks for use in water and other liquid flow applications.
/	Channel Weir Gate Wall Mounted	B3 ///3.2003	Specification
	Chamier Weir Gate Wair Woulded	JKR 20200-0061- 2000	JKR Standard Specification for Penstocks
	Sewage Conveyance	JKK 20200-0001- 2000	JAN Standard Specification for Fensiocks
1	Manhole	MS 881: Part 1:1991	Specification for precast concrete pipes and fittings for
-			drainage and sewerage
			Part 1: Specification for pipe and fittings with flexible joints and
			manholes
2	Manhole Cover	BS EN 124-1:2015	Gully tops and manholes tops for vehicular and pedestrian areas.
-	Walliole Cover	&	Part 1:
		BS EN 124-2:2015	Definitions, classification, general principles of design, performance
			requirements and test methods
			Part 2:
			Gully tops and manhole tops made of cast iron
		BS EN 124:1994 AMD 8587/1995	Gully tops & manhole tops for vehicular & pedestrian areas design
		·	req., type testing, marking, quality control
			3, 4, 5, 4, 5, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,
3	Acrylonitrile Butadiene Styrene (ABS) Pipes &	MS 1419: Part 1:2007	Acrylonitrile Butadiene Styrene (ABS) pipes and fittings for
	Fittings	&	pressure application
	Ĭ	MS 1419: Part 3:1997	Part 1:
			Specification for Compounds,
			Pipes and Fittings (First Revision)
			Part 3:
			Solvent cement and priming (cleaning) fluids for use with ABS
			pipes and fittings
		AS/NZS 3518:2004	Acrylonitrile butadiene styrene (ABS) compounds, pipes and fittings
		, 1123 3310.2004	for pressure applications
			To pressure applications
4	Cast Iron Pipes & Fittings	ISO 6594:2006	Cast Iron Pipes & Fittings
7	cast non ripes a rittings	130 0334.2000	- Spigot Series
5	Ductile Iron (DI) Pipes & Fittings	BS EN 598:2007	Ductile Iron pipes, fittings, accessories and their joints for
,	bucine non (bi) ripes & rittings	+A1:2009	sewerage applications.
		771.2003	Requirements and test methods
6	Glass Reinforced Thermosetting Plastic (GRP)	ISO 10467:2004/ Amd. 1:2012 (E)	Plastic piping systems for pressure and non-pressure drainage
•	Pipes	130 10407.2004, 74Hd. 1.2012 (E)	and sewerage
			- Glass Reinforced Thermosetting Plastic (GRP) systems based on
			Unsaturated Polyester (UP) resin (Amendment 1)
			(
		ISO 10467:2004	Plastic piping system for pressure and non-pressure drainage
		155 15 15 1255 1	and sewerage
			- Glass Reinforced Thermosetting Plastic (GRP) systems based on
			Unsaturated Polyester (UP) resin
		BS EN 14364:2013	Plastics piping systems for drainage and sewerage with or without
		BS EN 14364:2013	Plastics piping systems for drainage and sewerage with or without pressure.
		BS EN 14364:2013	Plastics piping systems for drainage and sewerage with or without pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on
		BS EN 14364:2013	pressure.
		BS EN 14364:2013	pressure Glass Reinforced Thermosetting Plastic (GRP) based on
		BS EN 14364:2013	pressure Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints
		BS EN 14364:2013	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe
		BS EN 14364:2013	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water
			pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage
		Jacking pipe	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on
			pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe
		Jacking pipe	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe
		Jacking pipe	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin
7	Polyethylene (PF) Pines & Fittings	Jacking pipe	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques.
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques.
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. Solid Wall Plastics piping systems for water supply and for drainage and
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques.
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011 BS EN12201-2: 2011+A1:2013	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints - Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. - Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes.
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints - Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. - Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes.
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011 BS EN12201-2: 2011+A1:2013	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints - Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. - Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes.
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011 BS EN12201-2: 2011+A1:2013 BS EN12201-3: 2011+A1:2012	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes. Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Fittings.
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes. Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Fittings.
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011 BS EN12201-2: 2011+A1:2013 BS EN12201-3: 2011+A1:2012	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes. Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Fittings.
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes. Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Fittings. Profile Wall (double wall corrugated) Thermoplastics pipes and fittings with profiled wall and smooth
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011 BS EN12201-2: 2011+A1:2013 BS EN12201-3: 2011+A1:2012 DIN 16961-1 (2011-01) & DIN 16961-2 (2010-03)	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011 BS EN12201-2: 2011+A1:2013 BS EN12201-3: 2011+A1:2012 DIN 16961-1 (2011-01) & DIN 16961-2 (2010-03) DIN 16961-1 (2000-03) & DIN 16961-2	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes. Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Fittings. Profile Wall (double wall corrugated) Thermoplastics pipes and fittings with profiled wall and smooth pipe inside. Part 1: Dimensions Part 2: Technical delivery Specifications Profile Wall
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011 BS EN12201-2: 2011+A1:2013 BS EN12201-3: 2011+A1:2012 DIN 16961-1 (2011-01) & DIN 16961-2 (2010-03)	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes. Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Fittings. Profile Wall (double wall corrugated) Thermoplastics pipes and fittings with profiled wall and smooth pipe inside. Part 1: Dimensions Part 2: Technical delivery Specifications Profile Wall (double wall corrugated)
7	Polyethylene (PE) Pipes & Fittings	Jacking pipe ISO 25780:2011 BS EN12201-2: 2011+A1:2013 BS EN12201-3: 2011+A1:2012 DIN 16961-1 (2011-01) & DIN 16961-2 (2010-03) DIN 16961-1 (2000-03) & DIN 16961-2	pressure. - Glass Reinforced Thermosetting Plastic (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints Jacking pipe Plastic Piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage Glass Reinforced Thermosetting Plastic (GRP) systems based on Unsaturated Polyester (UP) resin Pipes with flexible joints intended to be installed using jacking techniques. Solid Wall Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Pipes. Plastics piping systems for water supply and for drainage and sewerage under pressure. Polyethylene (PE) Fittings. Profile Wall (double wall corrugated) Thermoplastics pipes and fittings with profiled wall and smooth pipe inside. Part 1: Dimensions Part 2: Technical delivery Specifications Profile Wall

8	Polypropylane (PD) Dinos 9. Eittings	Profile Wall DIN 16961-1	Profile Wall
Ü	Polypropylene (PP) Pipes & Fittings	(2000-03)	Profile Wall Thermoplastics pipes and fittings with profiled wall and smooth pipe inside
			Part 1: Dimension
^	Daly (Viny) Chlorida (DVC) Dings & Fittings	AC/N7C 47CF-2007	
9	Poly(Vinyl Chloride) (PVC) Pipes & Fittings	AS/NZS 4765:2007	Modified PVC (PVC-M) pipes for pressure applications
	PVC-C PVC-M PVC-U PVC-O	BS EN 1401-1:	Plastic piping systems for
		2009	non-pressure underground drainage and sewerage.
			Unplasticized Poly(Vinyl Chloride) (PVC-U) Specifications for pipes,
			fittings and the system
		MS 979: Part 1:	Specification for unplasticized sewerage pipe and fitting
			1,
		1985	Part 1: Pipes of diameter 100mm and 155mm
		MS 979: Part 2:	Specification for unplasticized sewerage pipe and fitting
		1985	Part 2: Pipes of diameter 200mm and above
		ISO 16422:2006	Pipes and joints made of Oriented Unplasticized Poly (Vinyl
			Chloride) (PVC-O) for
			the conveyance of water under pressure.
			the conveyance of water under pressure.
		ISO 16422:2014	Pipes and joints made of Oriented Unplasticized Poly (Vinyl
			Chloride) (PVC-O) for the conveyance of water under pressure
			Specification
10	Reinforced Concrete (RC) Pipes & Fittings	MS 881: Part 1:	Specification for precast concrete pipes and fittings for
	(,	1991	drainage and sewerage
		1551	· · · · · · · · · · · · · · · · · · ·
			Part 1: Specification for pipe and fittings with flexible joints and
			manholes
		MS 881: Part 2:	Specification for precast concrete pipes and fittings for
		1991	drainage and sewerage
			Part 2: Specification for inspection chambers and street gullies
			2. Specification 13. htspection chambers and street games
		MS 881: Part 3:	Specification for precast concrete pipes and fittings for
		1991	drainage and sewerage
			Part 3: Specification for pipes and fittings with ogee joints
		AS 4058:1992	Precast concrete pipes (pressure and non-pressure)
			p pro (p see s p see s p
		Jacking pipe	Jacking pipe
		MS EN 1916:2011	Concrete pipes and fittings, unreinforced, steel fibre and
			reinforced (first revision)
		BS 5911-1:2002	Concrete pipes and ancillary concrete products.
		+A2:2010	Specification for unreinforced and reinforced concrete pipes
			(including jacking pipes) and fittings with flexible joints
11	Stainless Steel (SS) Pipes & Fittings	ASTM A312/A312M- 2014B	Standard specification for seamless, welded, and heavily cold
	Stanness Steel (33) Fipes & Fittings	A31WI A312/A312WI- 2014B	worked austenitic Stainless Steel pipes
		10711110010	
		ASTM A403-13	Standard specification for Wrought Austenitic Stainless Steel
			piping fittings
12	Steel Pipes & Fittings	SPAN TS 21827:	Specification for Steel Pipes, fittings and joint for water and
		2013	sewerage
			Part 1: Technical delivery requirements
13	Vitrified Clay (VC) Pipes & Fittings	MS 1061: Part 1:	Vitrified clay pipes and fittings and pipes joints for drains and
13	Vitilied Clay (VC) Fipes & Fittings		
		1999	sewers.
			Part 1: Requirement (First Revision)
		BS EN 295-1:2013	Vitrified clay pipes systems for drains and sewer. Requirements for
			pipes, fittings and joins.
		BS EN 295-1:1991	Vitrified clay pipes systems for drains and sewer.
		33 214 233 11.1331	Requirements
			nequil citicitis
		Jacking pipe	Jacking pipe
		BS EN 295-7:2013	Vitrified clay pipes systems for drains and sewers. Requirements for
			pipes and joints for pipe jacking
			house the second second
		BS EN 295-7:1996	IVITITIED Clay pipes systems for drains and sewers.
		BS EN 295-7:1996	Vitrified clay pipes systems for drains and sewers. Requirements for pipes and joints for pipe jacking
		BS EN 295-7:1996	Vitrified clay pipes systems for drains and sewers. Requirements for pipes and joints for pipe jacking
		BS EN 295-7:1996	, , ,
14	Dolumes Consecto Dines 9 Fibility		Requirements for pipes and joints for pipe jacking
14	Polymer Concrete Pipes & Fittings	BS EN 295-7:1996 BS EN 14636-1:2009	Requirements for pipes and joints for pipe jacking Plastics Piping Systems for Non-Pressure Drainage and Sewerage
14	Polymer Concrete Pipes & Fittings		Requirements for pipes and joints for pipe jacking Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible
14	Polymer Concrete Pipes & Fittings		Requirements for pipes and joints for pipe jacking Plastics Piping Systems for Non-Pressure Drainage and Sewerage
	Polymer Concrete Pipes & Fittings Steel Reinforced Polyethylene (PE) Pipe &		Requirements for pipes and joints for pipe jacking Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible
		BS EN 14636-1:2009	Requirements for pipes and joints for pipe jacking Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints
14	Steel Reinforced Polyethylene (PE) Pipe &	BS EN 14636-1:2009 KS M 3509:2017	Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage
	Steel Reinforced Polyethylene (PE) Pipe &	BS EN 14636-1:2009	Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage Fittings for Spiral Polyethylene (PE) Pipe Reinforced with Steel
15	Steel Reinforced Polyethylene (PE) Pipe & Fittings	BS EN 14636-1:2009 KS M 3509:2017	Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage
15	Steel Reinforced Polyethylene (PE) Pipe & Fittings Treatment System	BS EN 14636-1:2009 KS M 3509:2017 SPS KWWA M209:2011	Requirements for pipes and joints for pipe jacking Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage Fittings for Spiral Polyethylene (PE) Pipe Reinforced with Steel Sheets
15	Steel Reinforced Polyethylene (PE) Pipe & Fittings Treatment System Package Plant	BS EN 14636-1:2009 KS M 3509:2017 SPS KWWA M209:2011 SPAN TS 1401:	Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage Fittings for Spiral Polyethylene (PE) Pipe Reinforced with Steel Sheets Sewage Treatment System Part 1: Prefabricated Tanks
15	Steel Reinforced Polyethylene (PE) Pipe & Fittings Treatment System Package Plant Glass-fiber Reinforced Plastic (GRP)	BS EN 14636-1:2009 KS M 3509:2017 SPS KWWA M209:2011	Requirements for pipes and joints for pipe jacking Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage Fittings for Spiral Polyethylene (PE) Pipe Reinforced with Steel Sheets
15	Steel Reinforced Polyethylene (PE) Pipe & Fittings Treatment System Package Plant	BS EN 14636-1:2009 KS M 3509:2017 SPS KWWA M209:2011 SPAN TS 1401:	Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage Fittings for Spiral Polyethylene (PE) Pipe Reinforced with Steel Sheets Sewage Treatment System Part 1: Prefabricated Tanks
15	Steel Reinforced Polyethylene (PE) Pipe & Fittings Treatment System Package Plant Glass-fiber Reinforced Plastic (GRP)	BS EN 14636-1:2009 KS M 3509:2017 SPS KWWA M209:2011 SPAN TS 1401: 2010 (A1:2013)	Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage Fittings for Spiral Polyethylene (PE) Pipe Reinforced with Steel Sheets Sewage Treatment System Part 1: Prefabricated Tanks
15	Steel Reinforced Polyethylene (PE) Pipe & Fittings Treatment System Package Plant Glass-fiber Reinforced Plastic (GRP)	BS EN 14636-1:2009 KS M 3509:2017 SPS KWWA M209:2011 SPAN TS 1401: 2010 (A1:2013) Part 1 SPAN TS 1402:	Requirements for pipes and joints for pipe jacking Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage Fittings for Spiral Polyethylene (PE) Pipe Reinforced with Steel Sheets Sewage Treatment System Part 1: Prefabricated Tanks Packaged Plants
15	Steel Reinforced Polyethylene (PE) Pipe & Fittings Treatment System Package Plant Glass-fiber Reinforced Plastic (GRP)	BS EN 14636-1:2009 KS M 3509:2017 SPS KWWA M209:2011 SPAN TS 1401: 2010 (A1:2013) Part 1	Plastics Piping Systems for Non-Pressure Drainage and Sewerage Polyester Resin Concrete (PRC). Pipes and Fittings with Flexible Joints Steel Reinforced Polyethylene (PE) Composite Pipe for Sewerage and Drainage Fittings for Spiral Polyethylene (PE) Pipe Reinforced with Steel Sheets Sewage Treatment System Part 1: Prefabricated Tanks Packaged Plants Sewage Treatment System

	Small Sewage Treatment System (SSTS) Glass-fiber Reinforced Plastic (GRP) High Density Polyethylene (HDPE)	On Site Sewage Treatment Units Part 2: Packaged Prefabricated Small Sewage Treatment System Specifications
3	Septic Tank	On-site sewage treatment units Part 1: Prefabricated septic tanks specifications