

Date of Issue: 01/12/2020

Registration No: 0085

STANDARDIZATION COMMITTEE OF KHYBER PAKHTUNKHWA

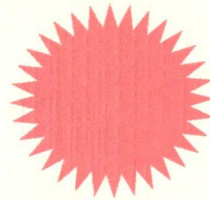


CERTIFICATE

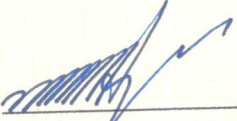
It is to certify that


M/S MIS KAWSAR ENGINEERING PVT. LTD INDUSTRIAL ESTATE HAYATABAD PESHAWAR

HAS BEEN ENLISTED/REGISTERED WITH STANDARDIZATION COMMITTEE OF KHYBER PAKHTUNKHWA FOR SUPPLY OF 1. UPVC KAWSAR PIPES AND FITTINGS- PRESSURE PIPES (SIZE & CLASSES A PER TABLE A) BS3505/PS 3051 2. UPVC PIPES SEWERAGE PIPES - SIZE - (SIZE & CLASSES AS PER TABLE B) ASTM D 2241 SDR SERIES 3. PPRC KAWSAR PIPES AND FITTINGS DIN 8077-78 (DETAIL GIVEN TABLE-C)AS GIVEN ON THE BACK OF THE CERTIFICATE.



(This certificate is valid for three years from the date of issue)


Chairman
Building Sub-Committee


Chairman
Standardization Committee

1. UPVC KAWSAR PIPES AND FITTINGS- PRESSURE PIPES (SIZE & CLASSES AS PER TABLE A) BS3505/PS 3051 (M/S KAWSAR ENGINEERING PVT. LTD INDUSTRIAL ESTATE HAYATABAD PESHAWAR).

Table A		
S.No	As per PS: 3051-1991 (R)	
	Sizes	Classes / Pressure
1.	2"	C(9bar), D(12bar), E(15 bar)
2.	3"	B(6bar), C(9bar), D(12 bar), E(15bar)
3.	4"	B(6bar), C(9bar), D(12 bar), E(15bar)
4.	5"	B(6bar), C(9bar), D(12 bar), E(15bar)
5.	6"	B(6bar), C(9bar), D(12 bar), E(15bar)

2. UPVC PIPES – SEWERAGE PIPES – (SIZE & CLASSES AS PER TABLE B) ASTM D 2241 SDR SERIES (M/S KAWSAR ENGINEERING PVT. LTD INDUSTRIAL ESTATE HAYATABAD PESHAWAR).

Table B		
S.No	As per ASTM D 2241 SDR Series:	
	Sizes (mm)	SDR / Pressure
1.	60.32	33.5, 26, 21, 17, 13.5
2.	88.9	41.33.5, 26, 21, 17, 13.5
3.	114.3	64.41, 33.5, 26, 21, 17, 13.5
4.	141.3	64.41, 33.5, 26, 21, 17, 13.5
5.	166.28	64, 41, 33.5, 26, 21, 17, 13.5

3. PPRC KAWSAR PIPES AND FITTINGS DIN 8077-78 (DETAIL GIVEN TABLE-C)(M/S KAWSAR ENGINEERING PVT. LTD INDUSTRIAL ESTATE HAYATABAD PESHAWAR).

Table C			
As per DIN 8077-78			
Outer Nominal d mm	Wall Thickness		Brand
		PN-16	PN-20
20 mm	2.8	3.4	Kawsar
25 mm	3.5	4.2	Kawsar
32 mm	4.4	5.4	Kawsar
40 mm	5.5	6.7	Kawsar
50 mm	6.9	8.3	Kawsar
63 mm	8.6	10.5	Kawsar
75 mm	10.3	12.5	Kawsar
90 mm	12.3	15	Kawsar
110 mm	15.8	18.3	Kawsar
90 mm	12.3	15	Kawsar
110 mm	15.8	18.3	Kawsar