

Table 6.7 : Checklist for selection of Pipe Material

Sl. No.	Attribute												Remarks if any	
		PVC	AC	CI	DI	MS	PSC	GRP	HDPE	HUME	GI	OTHERS		
1	Hydraulic smoothness (C Value													
2	Structural strength for external loads													
3	Strength to sustain internal pressure													
4	Ease in handling, transportation and storage													
5	Capacity to withstand damage in handling and maintenance													
6	Resistance to internal corrosion													
7	Resistance to external corrosion													
8	Resistance to heat / sunlight													
9	Resistance to rodent attack													
10	Sustainability in Black Cotton Soil													
11	Reliability and effective joints													
12	Capable to absorb surge pressure													
13	Ease in maintenance and repairs													
14	Use experience													
15	Durability (Sustainable trouble free maintenance)													
16	Consumer satisfaction													
17	Resistance to tampering by anti-social elements													
18	Economy													
19	Availability of specials													
20	Availability of skilled personnel for installation & maintenance													
21	Behaviour of pipe line - likelihood of interruptions due to leakage, bursting etc; and time for repairs													
	Recommended size range for													
	Rising Main													
	Gravity Main													
	Distribution Main													

Note :

Weightage - 0 to 10 numbers in relation to the significance of the attributes (10 stands for highest quality) may be considered.