

From Table 3

Nominal Maximum Size of Aggregate (mm)	Volume of Coarse Aggregate Per Unit Volume of Total Aggregate for		
	Zone IV	Zone III	Zone II
10	0.50	0.48	0.46
20	0.66	0.64	0.62
40	0.75	0.73	0.71

H. MIX CALCULATIONS

			TRIAL I	TRIAL II	TRIAL III	
(a)	Volume of concrete		1	1	1	m ³
(b)	Volume of cement	(Mass of cement / Specific gravity of cement) X (1/1000)	0.1352	0.1229	0.1502	m ³
(c)	Volume of water	(Mass of water / Specific gravity of water) X (1/1000)	0.19158	0.19158	0.19158	m ³
(d)	Volume of chemical Mass of Super-Plasticizer is	Mass of water reducer is taken as 0.25% by mass of cementitious material	0.00000	0.00000	0.00000	
(e)	Volume of all in aggregate	{a -(b+c+d)}	0.67327	0.68555	0.65825	m ³
(f)	Mass of coarse aggregate	(e) X 0.621 X Specific gravity of coarse aggregate X 1000	1128.26	1132.44	1118.85	kg/m ³
(g)	Mass of fine aggregate	(e) X 0.379 X Specific gravity of fine aggregate X 1000	685.0487	714.5179	653.4772	kg/m ³