		Hindav	vi Moraya	RMC	
		М	IX DESIGN	1	
Mix ID	M 10			Date:	
Client			_	Site	
	Design stin	ulation			Code Reffered
Design stipulation Grade of Concrete		10	Мра	IS 10262:2009Method	
Characteristic strength at 28 days, N/mm2		10	Mpa	10 10202.2007Wethou	
Sp.gravity of cement		3.14	gm/cc		
Sp.gravity of Flyash		2.26	gm/cc		
Sp.gravity of Water		1.00	gm/cc		
Sp.gravity of Admixtuer			1.21	gm/cc	
Sp.gravity of coarse Agg.			2.66	gm/cc	
Sp.gravity of Fine Agg.			3.28	gm/cc	
Standard deviation, N/mm2			3.50		As Per IS:456:2009
Value Of 't'			1.65		As Per IS:456:2009
Target mean strength, at 28 dyas, N/mm2			15.78		
Exposure Condition			Modrate		
Free water Cement ratio			0.67		As Per IS:456:2000
Nominal maximum size of aggregate, mm			20.00		
Workability in terms of Flow , in mm Total Actual water Content			130-150 185.73		Replacing by Admixture by 155
Minimum cement content, Kg/Cum			165.75		As Per IS:456:2000
	us content, Kg/Cum		277		115 1 C1 13.430.2000
Volume of Coarse Aggregate			0.60		As Per IS:456:2000
Volume of Fine A			0.40		
Vol of Vol.of Vol.of Mass o	water=(Mass of war Vw = 0.186 Admixtuer=(Mass of Va = 0.003 entraped Air = 2 % Vair = 0.02 All aggregate=Vol.of Vt = 0.703 of Coarse Agg. = Vol Mcoarse = of Fine Agg. = Vol.of Mfine =	m3 of admixtuer/Sp. m3 of concrete-[Vc+V m3 .of all agg.x Ration 1122.38	Gravity of ad /w+Va+Vair] o of agg.x Sp.g Kg	mixtuer) * gravity x 10	000
		<b>Final Ingredient</b>		ow (in SSD	)
	Cement	18	-	Kg/M3	Ultratech OPC 53
	Fly ash	91		Kg/M3	Solapur
	20MM	730		Kg/M3	Shenoli
		393		Kg/M3	Shenoli
	10MM			-	
	10MM R.Sand	Λ		Ka/W3	Shenoli
	R.Sand	0		Kg/M3	Shenoli Shenoli
	R.Sand C.Sand	92	3	Kg/M3	Shenoli
	R.Sand		3 6		