

Mix-Design of Different Grades-

S.No	Organisation	Grade	Cement Type	Cement	Fly Ash	Water	AGG.Sou rce	20mm	10mm	Fine agg source	Sand	Source of Admixture	Admixture	Slump
1	ACC G.Noida RMC	M-15	PPC	260	0	170	Pali,Raipu r,sunderp ur	634	422	Narnoul,Y amuna Nagar	864	Pidilite,BA SF,Asian	1-1.2%	After 2 hour 120 mm
2	ACC G.Noida RMC	M-20	PPC	320	0	175		634	423		798		1-1.2%	
3	ACC G.Noida RMC	M-25	PPC	350	0	173		635	433		767		1-1.2%	
4	ACC G.Noida RMC	M-30	PPC	400	0	170		637	425		738		1-1.2%	
5	ACC G.Noida RMC	M-35	PPC	425	0	165		637	425		738		1-1.2%	
6	ACC G.Noida RMC	M-40	PPC	455	0	160		639	426		710		1-1.2%	
7	ACC G.Noida RMC	M-15	OPC	200	130	180		667	451		722		1-1.2%	
8	ACC G.Noida RMC	M-20	OPC	240	120	175		650	455		700		1-1.2%	
9	ACC G.Noida RMC	M-25	OPC	270	110	175		655	445		690		1-1.2%	
10	ACC G.Noida RMC	M-30	OPC	320	85	175		665	467		650		1-1.2%	
11	ACC G.Noida RMC	M-35	OPC	370	100	178		645	440		630		1-1.2%	
12	ACC G.Noida RMC	M-40	OPC	420	100	175		635	435		610		1-1.2%	
13	ACC G.Noida RMC	M-45	OPC	445	90	170		641	444		600		1-1.2%	
14	VC Solution	M-20	PPC	342	0	194.9	Pali ,Raipur	846.4	362.3	Raipur	609.8	Supaplast PC80 ACM	0.63%	After 2 hour 120 mm
15	VC Solution	M-25	PPC	389.5	0	193.6		815.7	349.2		614.2		0.70%	
16	VC Solution	M-30	PPC	419.3	0	193.3		815.9	349.3		587.8		0.90%	
17	VC Solution	M-35	PPC	451.4	0	193.1		802.7	343.6		578.3		1.10%	

Note - The above mix design is for reference purpose only. Actual trials need to be conducted at laboratory to achieve desired results.