

Section	Checklist Item	Status (✓ / X)	Remarks
General Applicability	IS 456:2000 applicable to project		
	RCC / PCC elements identified		
	Prestressed concrete excluded (IS 1343 if required)		
Concrete Grade	PCC grade (M10/M15) confirmed		
	RCC grade \geq M20 (Clause 6.1.2)		
	Design mix used for M30+		
	Cube testing & QC planned		
Steel Reinforcement	Steel grade selected (Fe 500 preferred)		
	Steel complies with IS 1786		
	Min & max reinforcement limits checked		
Exposure & Durability	Exposure condition identified (Mild–Extreme)		
	Minimum cement content satisfied		
	Maximum W/C ratio satisfied		
Clear Cover	Slab cover \geq 20 mm		
	Beam cover \geq 25 mm		
	Column cover \geq 40 mm		
	Footing cover \geq 50 mm		
Load Combinations	1.5 (DL + LL) checked		
	1.2 (DL + LL + WL/EL) checked		
	1.5 (DL + WL/EL) checked		
	0.9 DL \pm 1.5 WL/EL checked		
RCC Members	Beam reinforcement & shear checks done		
	Slab classification & deflection control done		
	Column reinforcement (0.8%–6%) checked		
	Slenderness checks completed		
Fire Resistance	Required fire rating identified		
	Cover & member size adequate		
Final Review	IS 456 coordinated with IS 875 & IS 1893		
	Drawings reviewed for durability & detailing		