

Construction of Gram Panchayat office (for Population from 5000- 10000) at Village Dedan, Tal. Khambha, Dist. Amreli							
MATERIAL TESTING SCHEDULE							
Sr. No.	Description in brief	Total Quantity	Material to be tested	Name of laboratory test	Frequency	Total No. of test to be carried out	Remarks
1	2	3	4	5	6	7	8
1	Cement	51.00	Cement	1) Initial & Final setting time	M.T. Test No.	2	
		M.T.		2) Compressive strength	Up to 50 1		
				3) Consistency	50 to 100 2		
				4) Fineness	100 to 200 3		
				5) Soundness	200 to 300 4		
					300 to 500 5		
					500 to 800 6		
					800 to 1300 7		
					& 8 test for larger consignment		
2	R.C.C. work in columns, beams, slabs, lintel, chhajjas, T.I. H/V fins.		C.C. Cubes	1) Compressive strength for 7 days & 28 days.	Cum. Test No.		
					1 to 5 1		
					5 to 15 2		
					16 to 30 3		
	M-25	21.60	Cum		31 to 50 4	3	
	M-20	67.00	Cum		51 and above	6	
					test each		
					50 cum. 4+1		
				N.D.T UPV, Hammer test	UVPV Test as directed by Engineer in Charge As per IS 516		
				Core test			
3	Sand	96	Sand	1) Fineness modulus	One test per season/river	1	
		Cum		2) Specific gravity			
				3) Water absorption			
				4) Clay and fine silt content			
4	Water		Water	1) Potability	One test per	As required	
				2) Salinity	sources	while execution	

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1	2	3	4	5	6	7	8
5	T.M.T. Steel	11.04	T.M.T. Steel	1) Tensile strength	One test	1	each dia
		M.T.		2) Elongation	/ 40 M.T./each category		
				3) chemical reaction test	For every load supplier on site		
6	Crushed stone aggregate						
	40mm crushed stone	10.00	Crushed stone	1) Gradation	1/150 M ³ for concrete	1	
		Cum	aggregate	2) Flekiness index	or as per requirement		
				3) Impact value	of relevant specification		
				4) Water Absorption			
				5) Crushing strength			
	10mm-20mm crushed	81	Crushed stone	1) Gradation	1/150 M ³ for concrete	2	
	aggregate	Cum	aggregate	2) Flekiness index	or as per requirement		
				3) Impact value	of relevant specification		
				4) Water Absorption			
				5) Crushing strength			
9	Bricks- Conventional	33800	Bricks	Comp. strength	1 Test /50000No	1	
				Water absorption			
				Dimension			-
				Efflorescence			
8	Ceramic tiles	62.00	Sqm	Comp. strength	1 Test / Lot	1	each lot
	Vitrified tiles	137.90	Sqm	Water absorption		1	each lot
				Dimension		1	each lot
	Polished Kotah stone	11.30	Sqm	Transverse stress		1	each lot
				Acid test		1	each lot

Signature of Contractor

Deputy Executive Engineer
Panchayat R.& B. Sub Division
Dhari

Executive Engineer
Panchayat R.& B. Division
Amreli