

Construction of khadadhar school class room at khadadhar Ta :- 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	12.00	Cement	1) Initial & Final setting time	M.T. Test No.	1	
		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		C.C.Cubes	1) Compressive strength	Cum. Test No.		
	columns,beams,			for 7days & 28 days.	1 to 5	1	
	slabs,lintel,chhajjas,				5 to 15	2	
T.I.	H/V fins.				16 to 30	3	
	M-20	19.80	Cum		31 to 50	4	3
					51 and above test each 50 cum.	4+1	
				N.D.T UPV, Hammer test			
				Core test	UPPV Test as directed by Engineer in Charge		
					As per IS 516		
3	Sand	50	Sand	1) Fineness modulus	One test per season/river	1	
		Cum		2) Specific gravity			
				3) Water absorbtion			
				4) Clay and fine silt content			

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1	2	3	4	5	6	7	8
4	Water		Water	1) Potability	One test per	As required	
				2) Salinity	sources	while execution	
5	T.M.T. Steel	2.36	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						
	10mm-20mm crushed	17	Crushed stone	1) Gradation	1/150 M <sup>3</sup> for concrete	1	
	aggregate	Cum	aggregate	2) Flekiness index	or as per requirement		
				3) Impact value	of relevant specification		
				4) Water Absorption			
				5) Crushing strength			
7	Brick- Conventional	10200	Bricks	Comp. strength	1 Test /50000No	1	
				Water absorption			
				Dimension			-
				Efflorence			
8				Comp. strength	1 Test / Lot	1	each lot
	Vitrified tiles	80.00	Sqm	Water absorption		1	each lot
				Dimension		1	each lot
				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*