

# Construction of Community Hall at Village Lalavad ar Ta. Amreli, 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	23.00	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,chwajjas,				5 to 15 2		
T.I.	H/V fins.				16 to 30 3		
1	M-15	0.25	Cum		31 to 50 4	1	
2	M-20	43.60	Cum		51 and above	4	
					test each		
					50 cum. 4+1		
				N.D.T UPV, Hammer test	UVPV Test as directed by Engineer in Charge		
				Core test			
					As per IS 516	1	
3	Sand	71	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	2.94	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	4.00	Crushed stone	1) Gradation	1/150 M <sup>3</sup> 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	40	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			
9	Bricks- Conventional	7500	Bricks	Comp. strength	1 Test /50000No	1	
				Water absorption			
				Dimension			-
				Efflorescence			
8				Comp. strength	1 Test / Lot	1	each lot
				Water absorption		1	each lot
				Dimension		1	each lot
	Polished Kotah stone	52.20	Sqm	Transverse stress		1	each lot
				Acid test		1	each lot

Signature of Contractor

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

Executive Engineer  
Panchayat R.& B. Division  
Amreli