Construction of Prayer Hall in Primary School at Village Nana Zinzuda Ta. Savarkundla Dist. Amreli

MATERIAL TESTING SCHEDULE

Sr. .No.	Description in brief	Total Quantity	Material tobe tested	Name of laboratory test	Frequancy	Total No. of test to be carried out	Remarks
1	2	3	4	5	6	7	8
1	Cement	14.00	Cement	1) Initial & Final setting time	M.T. Test No.	1	
		M.T.		2) Compressive strength	Up to 50 1		
				3) Consistancy	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	26.28	Cum		31 to 50 4	3	
					51 and above test each 50 cum. 4+1		
				N.D.T UPV, Hammer test			
				Core test	UVPV Test as directed by Engineer in Charge		
					As per IS 516		
3	Sand	56	Sand	1) Fineness modulus	One test per season/river	1	
		Cum		2) Specific gravity			
				3) Water absorbtion			
				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	2.34	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	22.00	Crushed stone	1) Gradation	1/150 M^3 for concrete	1	
	aggregate	Cum	aggregate	2) Flekiness index	or as per requirement		
				3) Impect value	of relevant specification		
				4) Water Absorption			
				5) Crushing strength			
7	Bricks- Conventional	8500	Bricks	Comp. strength	1 Test /50000No	1	
				Water absorption			
				Dimension			-
				Efflorence			

Signature of Contractor

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

Executive Engineer
Panchayat R.& B. Division
Amreli