## GOVERNMENT OF GOA QUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9783, 9784 /Lab/262/2020-21 Dated: 24/ 02/2021. Laboratory: Bicholim

**Sand –T: 5112 Cement-1227** 

Sub Div: V (QC)/WRD/Bicholim Goa.

Sub:-Stabilization of hillslope by construction of retaining wall behind Ibona Miranda in ward no.20 at Mala, Panaji-Goa.

**Ref to requisition No:** MI/SDIV/WDI/WRD/F.38/20-21/577 Dated: 16/02/2021.

**Sample:**Sand,20mm, **O.S. No.**5113,5114,5135,5115/SS **Lab. Sample No.**: 507 To510 **Tested by**: Mrs. S. B. Naik Shirodkar.JE.

12.5mm size aggrt., Cement **REPORT 01 OF 01** 

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks
1.	20 mm Size Aggregate:	Particle size distribution:	It is single sized	aggregate of 20 mm nominal size. (Qty.)	$repm^3)$
2.	12.5 mm Size Aggregate:	Particle size distribution:	It is not single size	ed aggregate of 12.5 mm nominal size. (Qty.	rep. – $m^3$ )
	REMARI		-	m aggregates at the ratio of 1:1 by weight;	it is
		satisfying therequired crite	eria for graded agg	regate of 20 mm nominal size.	
3.	Sand: i) Silt & Clay by S.A. method : - 4.80%				
	(L.S.No.509) ii) Silt by sedimentation : - 5.43%				
	iii) Fineness Modulus : - 2.53%				
	iv) Grading	Zone :- II			
	<u>REMARK</u> : T	he observed results are with	in the permissible	imits of the coarse sand.	
4.	Cement:	i)Finene	ss of Cement :	1.06% (It should not be more	than 10%)
	JK.Cement, bearing IS:269	ii) Consi	stency of cement:	32.00% (It should be in the neighborhood	d of 35%)
	Ordinary Portland cement,	iii) Initia	al Setting Time	: 175 minutes (It should not be less	than 30 minutes)
	Manuf. date: Week06, Mon	*	U	: 325 minutes (It should not be more t	
	CM/L = 0003401033		C	`	,
	Qty. rep. –.				
	-			ermissible limit for Ordinary Portland cer	

Copy to: 1. The Assistant Engineer, SDIV, WDI, WRDPorvorim – Goa.

- 2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim Goa for kind information.
- 3. Copy Submitted to The Executive Engineer, W.D. I, WRDPorvorim Goa
- 4. Q.C. Lab file 5. Bill File.