GOVERNMENT OF GOA QUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9901, 9902 /Lab/ 201 /2021-22 Dated: 06/11/2021.

Laboratory: Bicholim

Sand -T: 5190. Cement-1288

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

Sub:- Construction of Slab Culvert for Brahmani Maya Mandir at Ch.2.800 Km of RBMC of AIP at Shiroli Keri in Sattari Taluka.

Ref to requisition No:-F.37/SDI/WDV/AIP/WRD/2021-22/94 Dated: 01/11/2021.

Qty. Received: 1 bags each **Date of Receipt:** 01/11/2021 **Tested on:** 05,&06/11/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, O.S. N:-7058, 7059, 7064, 7060 /SS Lab. Sample No.: 2315 To 2318 Tested by: Mrs. Shirodkar. JE.

12.5mm size aggrt., Cement

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Sr. No.	Description of sample	Tested for	Results	I	Max. /Min. value peri	missible	Remarks
1.	20.00 mm Size Aggregate:	Particle size distribution:	It is single siz	zed aggregate of 2	0 mm nominal size.	(Qty. rep	- m ³)
2.	12.5 mm Size Aggregate:	Particle size distribution:	It is not single	e sized aggregate	of 12.5 mm nominal si	ze. (Qty. rep.	m^3)
	<u>REMARK</u> : After blending 20 mm aggregate with 12.5 mm aggregates at the ratio of 1:1 by weight; it is						
	satisfying the required criteria for graded aggregate of 20 mm nominal size.						
3.	Sand:	i) Silt & Clay by S.A. method	od :- 5.20%)			
	$(L.S.\overline{No.23}17)$	ii) Silt by sedimentation	: - 5.00%)			
		iii) Fineness Modulus	: - 2.26				
		iv) Grading Zone	: - III				
	To be used for REMARK: The observed results are within the permissible limits of the coarse sand.						
4.	Cement:			_	(It should no		ın 10%)
	JK.Cement, bearing IS:26	9 ii) Consis	tency of ceme	nt: 31.50% (It	should be in the neighborst	ghborhood of	35%)
	Ordinary Portland cement	, iii) Initial	Setting Time	: 170 minutes	(It should not b	e less than 30	minutes)
	Manuf. date: W- 41 M- 10), Year'2021 iv) Final iv	Setting Time	: 290 minutes	(It should not be	more than 600) minutes)
	CM/L = 0003401033	, <u>——</u> ,	C		`		,
	Qty. rep. –.						
	To be used for PCC 1:2:4	REMARK: The observed	results are witl	hin the permissib	ole limit for Ordinary	y Portland cen	nent.
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Copy to: 1. The Assistant Engineer, SDI, WDV WRD, Keri Sattari – Goa.

- 2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim Goa for kind information.
- 3. Copy Submitted to The Executive Engineer, W.D. V WRD, Karapur Tisk-Sankhali Goa
- 4. O.C. Lab file 5. Bill File.