GOVERNMENT OF GOA OUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

Test Report No.: WRD/Q.C. / F.6-4 /Aggr-T- 183,184/Lab/ 170 /2022-23

Dated: 13/10/2022.

Laboratory: Bicholim-Goa

Sand –T: 5302. Cement-T: 1375

Sub Div: V (QC)/W.D.VIII/Bicholim Goa.

Sub: Construction of Piligao -Narva Distributary of LBMC of T.I.P. from Ch. 12.330 km to tail end at village Narva Mayem in Bicholim Taluka.

Ref to requisition No:-WRD//WDVIII/SDIV/WF.246/2022-23/108. Dated: 28/09/2022.

Otv. Received: 1 bags each

Date of Receipt: 06/10/2022 **Tested on**: 07,10 & 11/10/2022. **Ref to Specification:** CPWD 2009, Vol. I&IS: 4031-4-1968

Sample: Sand, 20mm,

O.S. No. 9355, 9356,9360,9354. **Lab. Sample No.**: 5279 To 5282 **Tested by**: Mrs. S.B. Naik Shirodkar J.E.

10mm size Aggr, Sand, and Cement

REPORT 01 OF 01

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remark	
1. 2.	20 mm Size Aggregate: 10 mm Size Aggregate:		It is single sized aggregate of it is not single sized aggregate	20 mm nominal size. (Qty. rep. –m ³) of 10 mm nominal size. (Qty. rep. – m ³)		
				aggregates at the ratio of <u>1:1</u> by weight; it is regate of 20 mm nominal size.		
3.	Coarse Sand: (L.S.No.5281)	i) Silt & Clay by S.A. methodii) Silt by sedimentationiii) Fineness Modulusiv) Grading Zone	1 : - 5.00 % : - 5.71 % : - 2.158 % : - III			
	REMAI	RK: The observed results are v	within the permissible limits	of the Coarse sand.		
4.	Cement:	i) Fineness of Cement : 1.35 % (It should not be more than 10%)				

JK Cement, bearing IS:269 Ordinary Portland cement,

iii) Initial Setting Time Manuf. date: W-40, M-10, Y-2022 iv) Final Setting Time

ii) Consistency of cement : 32.5 % (It should be in the neighborhood of 35%)

: 155 minutes ---- (It should not be less than 30 minutes) : 315 minutes -- (It should not be more than 600 minutes)

CM/L = 0003401033

Qty. rep. – <u>--</u>.

To be used for 1:1:5:3 & 1:2:4 Grade Concrete – **REMARK: The observed results are within the permissible limit for Ordinary Portland cement.**

Copy to: 1. The Assistant Engineer, SD IV, WD VIII, W.R.D. Dodamarg -Goa.

- 2. Copy Submitted to The Superintending Engineer, CPO, WRD, Sinchai Bhavan Porvorim-Goa for kind Information
- 3. Copy Submitted to The Executive Engineer, W.D.VIII, W.R.D., Karaswada Bardez Goa
- 4. O.C. Lab file 5. Bill File.