

**GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT**

**Test Report No.:** WRD/Q.C./F.6-4/Aggr-T- 9961, 9962 /Lab/260/2021-22 **Dated:-** 10/ 01/2022. **Laboratory:** Bicholim  
**Sand –T:-** 5229, 5230, **Cement-T:-**1317, **Laterite Stone-T:-** 0450 **Sub Div:** V (QC)/WRD/Bicholim Goa.

**Sub:-** Improvement and Development of Veling Talli at Talewada in Survey No.22/0, of Veling Village in Priol Constituency.

**Ref to requisition No:-**WRD/WDXI/SDIV/W.F.464/419/2021-22 **Dated:** - 28/12/2021.

**Qty. Received:** 1 bags each **Date of Receipt:-** 01/01/2022 **Tested on:-** 06,07 & 08/01/2022 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

**Sample:**Sand,20mm, **O.S. N:-** 7292,7293,7318,7286,7301 & 7319/SS **Lab. Sample No.:-** 2594 To 2599 **Tested by:-** Mrs. S.B. Naik Shirodkar J.E.  
12.5mm size aggrt., Cement, Laterite stone & M.Sand

**R E P O R T 01 OF 02**

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks
1.	<b>20 mm Size Aggregate:</b>	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – --m <sup>3</sup> )	
2.	<b>12.5 mm Size Aggregate:</b>	Particle size distribution:	It is not single sized aggregate of 12.5 mm nominal size.	(Qty. rep. – -- m <sup>3</sup> )	
<b>REMARK: 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.</b>					
3.	<b>Sand:</b> (L.S.No.2596)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.60% : - 5.40% : - 2.65 : - II		
To be used for-----.					
4.	<b>Cement:</b> JK..Cement, bearing IS:269 Ordinary Portland cement, Manuf. date:- W-50, M-12, Year-2021 CM/L =0003401033 Qty. rep. –.	<b>REMARK: The observed results are within the permissible limits of the coarse sand.</b> i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.26% : 32.50% : 165 minutes : 315 minutes	----- (It should not be more than 10%) (It should be in the neighborhood of 35%) ---- (It should not be less than 30 minutes) -- (It should not be more than 600 minutes)	
To be used for C.C 1:2:4 –. <b>REMARK: The observed results are within the permissible limit for Ordinary Portland cement.</b>					

Junior Engineer

Assistant Engineer



