

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9873,9874 /Lab/151/2021-22 Dated: 12/ 07/2021. **Laboratory:** Bicholim

Sand –T: 5171. Cement-1274

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

Sub:- Renovation of Talli at Gaonkarwada in V.P.Betqui Candoal in Priol Constituency.

Ref to requisition No: WRD/WDXI/SDIV/F.CF/124/2021-22 Dated: 18/06/2021.

Qty. Received: 1 bags each **Date of Receipt:** 22/06/2021 **Tested on:** 24,25,26,28/06/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. No.** 6606, 6607, 6624, 6662/SS **Lab. Sample No.:** 1969 to 1972 **Tested by:** Mrs. Shirodkar.JE.

12.5mm size aggrt., Cement

R E P O R T 01 OF 02

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. rep. – --m ³)	
2.	12.5 mm Size Aggregate:	Particle size distribution:	It is not single sized aggregate of 12.5 mm nominal size.	(Qty. rep. – -- m ³)	
		REMARK: After blending 20 mm aggregate with 12.5 mm aggregates at the ratio of 1:1 by weight; it is satisfying therequired criteria for graded aggregate of 20 mm nominal size.			
3.	Sand: (L.S.No.1971)	i) Silt & Clay by S.A. method : - 5.20% ii) Silt by sedimentation : - 5.12% iii) Fineness Modulus : - 2.52% iv) Grading Zone : - II			
		REMARK: The observed results are within the permissible limits of the coarse sand.			
4	Cement: Ultratech Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week <u>22</u> Month <u>06</u> Year' <u>2021</u> . CM/L = <u>7088883</u> Qty. rep. – To be used for – 1:2:4 mix concrete	i) Fineness of Cement : 1.20% ii) Consistency of cement : 31.50% iii) Initial Setting Time : 170 minutes iv) Final Setting Time : 305 minutes	: 1.20% ----- (It should not be more than 10%) : 31.50% (It should be in the neighborhood of 35%) : 170 minutes ---- (It should not be less than 30 minutes) : 305 minutes -- (It should not be more than 600 minutes)		
		REMARK: The observed results are within the permissible limit for Ordinary Portland cement.			

Copy to: 1. The Assistant Engineer, SDIV, WDXI, WRD, Ponda – Goa.

2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.

3. Copy Submitted to The Executive Engineer, W.D.XI, WRD, Ravonfond-Navelim-Salcete – Goa

4. Q.C. Lab file 5. Bill File

Junior Engineer

Assistant Engineer