

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T-125,126/Lab/16/2022-23 **Dated:** 08 / 04 /2022.

Laboratory: Bicholim - Goa

Sand –T:5267. Cement-T:1351.

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

Sub:- Construction of Flood Protection wall from Children’s Park to Vithal Karapurkars House in Village Panchayat Penha-De-Franca in Porvorim Constituency.

Ref to requisition No.: SDI/WDI/WRD/F.57/21-22/618 **Dated :-** 31/03/2022

Qty. Received: 1 bags each **Date of Receipt:** 04/04/2022 **Tested on:** 05,06 & 07/04/2022 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. N.:** 8061,8062,8045 & 8004/SS **Lab. Sample No.:** 3740 to 3743 **Tested by:** Mrs. S.B. Naik Shirodkar.J.E.
12.5mm size aggrt., sand, Cement

R E P O R T 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. 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. | Coarse Sand: (L.S.No.3742) | i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone | : - 4.60% : - 5.128% : - 2.41 : - II | | |
| To be used for----. REMARK: The observed results are within the permissible limits of the coarse sand. | | | | | |
| 4. | Cement: J.K.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: W-10, M-03, Year-2022 CML =0003401033 Qty. rep. –. | | i) Fineness of Cement : 1.31% ii) Consistency of cement : 32.00% iii) Initial Setting Time : 175 minutes iv) Final Setting Time : 310 minutes | : 1.31% ----- (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 –. REMARK: The observed results are within the permissible limit for Ordinary Portland cement. | | | | | |

Copy to: 1. The Assistant Engineer, SDI, WDI,WRD,Porvorim – 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, WRD, Porvorim – Goa

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

Junior Engineer

Assistant Engineer