## GOVERNMENT OF GOA QUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

<u>Test Report No.</u>: WRD/Q.C./F.6-4/Aggr-T-9616, 9617 /Lab/ 30 /2020-21

Dated: 27/05/2020.

**<u>Laboratory</u>**: Bicholim

Sand -T: 5019 & Cement T: 1167.

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

<u>Sub</u>: Construction of pump house, Rising main and allied structures for pumping water from Ch.7.190 km to ch.8.002 km and gravity main from ch.8.002 km to 8.780 km of B6 Distributory of RBMC of TIP at Ugvem in Pernem Taluka.

Ref to requisition No: SDII/WDVII/WRD/F. 18/2020-21/21 Dated: 22/05/2020.

**Qty. Received:** 1 bags each **Date of Receipt**: 16/05/2020 **Tested on**: 22 & 23/05/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

**Sample:** Sand, 20mm, **O.S. No.** 3662, 3663, 3654 & 3666 / SS **Lab. Sample No.**: 8854 To 8857 **Tested by**: Mrs. S.B. Naik Shirodkar, JE.

12.5mm size aggrt, & Cement

## REPORT 01 OF 01

Sr. No	. Description of sam	ple Tested for	Results	Max. /Min. value permissible	Remarks
1. 2.	20 mm Size Aggregat 12.5 mm Size Aggrega		It is single sized aggregate o It is not single sized aggrega	f 20 mm nominal size. (Qty. rep. – te of 12.5 mm nominal size. (Qty. rep. –	- m <sup>3</sup> ) - m <sup>3</sup> )
			mm aggregate with 12.5 mm uired criteria for graded aggr	aggregates at the ratio of <u>1:2</u> by weight egate of 20 mm nominal size.	it is
3.	,	<ul><li>ii) Silt by sedimentation</li><li>iii) Fineness Modulus</li><li>:</li></ul>	<ul> <li>14.20% (Limit of Deleterical 13.72%)</li> <li>2.612</li> <li>II</li> </ul>	ous material is 15.00% for crushed sand)	
4.	<b>Cement:</b>	•	i) Fineness of Cement	· ·	ot be more than 10%)
	J.K cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week 20, Month 05, Year'2020.		<ul><li>ii) Consistency of cement</li><li>iii) Initial Setting Time</li><li>iv) Final Setting Time</li></ul>	: 145 minutes (It should not	be less than 30 minutes)
	CM/L = 0003 Qty. rep. – To be used for		ved results are within the per	missible limit for Ordinary Portland co	ement.

Copy to: 1. The Assistant Engineer, SDII, WDVII, WRD, Dhargal, Pernem – Goa.

- 2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim Goa for kind information.
- 3. Copy Submitted to The Executive Engineer, W.D.VII, WRD, Dhargal, Pernem Goa.
- 4. Q.C. Lab file

5. Bill File.