## GOVERNMENT OF GOA QUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

<u>Sub</u>: Supplying Raw water to Mopa airport by pumping water from ch. 17.30 km of RBMC of TIP at Nagzer village in Pernem Talika.

**Ref to requisition No:** SDII/WDVII/WRD/F. 132/2020-21/52 Dated: 22/07/2020.

**Qty. Received:** 1 bags each **Date of Receipt:** 22/07/2020 **Tested on:** 22 & 23/07/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: M. Sand, 20mm, O.S. No. 4070, 4071, 4072 & 4073 /SS Lab. Sample No.: 9317 To 9320 Tested by: Mrs. S.B. Naik Shirodkar, JE.

12.5mm size aggrt, & Cement

## REPORT 01 OF 01

		m				
Sr. No	. Description of sample	Tested for	Results	Max./Min. value permissible	Remarks	
1. 2.	20 mm Size Aggregate: 12.5 mm Size Aggregate	Particle size distribution: Particle size distribution:	It is single sized aggregate of a lit is not single sized aggregate	20 mm nominal size. (Qty. rep. – of 12.5 mm nominal size. (Qty. rep. –	$(m^3)$	
<u>REMARK:</u> After blending 20 mm aggregate with 12.5 mm aggregates at the ratio of <u>1:2</u> by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size.						
3.	(L.S.No.9319) ii) iii)	Silt by sedimentation : - Fineness Modulus : -	14.20% ( <b>Limit of Deleteriou</b> 13.54% 2.672	s material is 15.00% for crushed sand)		
4.						
	Zuari cement, be Ordinary Portlan Manuf. date: We CM/L = 000607	nd cement, eek <u>23</u> , Month <u>06</u> , Year' <u>2020</u> .	<ul><li>ii) Consistency of cement</li><li>iii) Initial Setting Time</li><li>iv) Final Setting Time</li></ul>	<ul> <li>: 32.00% (It should be in the neight</li> <li>: 170 minutes (It should not be</li> <li>: 285 minutes (It should not be</li> </ul>	e less than 30 minutes)	
Qty. rep. –  To be used for – RCC 1:1.5:3 for retaining wall. <b>REMARK: The observed results are within the permissible limit for Ordinary Portland cement.</b>						
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.						

**Junior Engineer** 

**Assistant Engineer**