GOVERNMENT OF GOA QUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

 Test Report No.:
 WRD/Q.C. / F.6-4 /Aggr-T- 205,206/Lab/194/2022-23
 Dated: 17/11/2022.
 Laboratory: Bicholim-Goa

 Sand –T: 5316,
 Cement-T: 1386
 Sub Div: V (QC)/W.D.VIII/Bicholim Goa.

Sub: Construction of Outlets OL 9A and 9B of Tail Minor II (1650 to 2500 m) of B/1 distributory of RBMC of TIP at Ibrampur in V.P. Ibrampur in Pernem taluka.Ref to requisition No:- SDIII/WDVII/WRD/F.197/2022-23/75Dated: 02/11/2022.Oty. Received: 1 bags eachDate of Receipt: 11/11/2022Tested on: 14,15 & 16/11/2022.

Sample: Sand, 20mm, O.S. No. 9473,9474,9477,9472/SS. Lab. Sample No.: 5382 To 5385 Tested by: Mrs. S.B. Naik Shirodkar J.E.

12.50mm size Aggr, Sand, and Cement

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Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remark
1. 2.	20 mm Size Aggregate: 12.50 mm Size Aggregate	Particle size distribution: Particle size distribution:	It is single sized aggregate of It is not single sized aggregat	20 mm nominal size. (Qty. rep. m^3) te of 12.50 mm nominal size. (Qty. rep. m^3	3)
<u>REMARK</u> : After blending 20 mm aggregate with 12.50 mm aggregates at the ratio of <u>1:1</u> by weight; it is Satisfying the required criteria for graded aggregate of 20 mm nominal size.					
3.		ii) Silt by sedimentationiii) Fineness Modulusiv) Grading Zone	: - 12.76 % : - 2.26 % : - II	rious material is 15.00% for crushed sand)	
	<u>Cement</u> : JK Cement, bearing IS:269 Ordinary Portland cement, Manuf. date:W- <u>41</u> , M- <u>10</u> , CM/L = 0003401033 Qty. rep	i) Fineness of Cemii) Consistency of ciii) Initial Setting T	ent : 1.25 % ement : 32.00 % (It should ime : 160 minutes (It me : 315 minutes (It state)	or crushed sand (Fine Aggregate) vide table (It should not be more than 10%) be in the neighborhood of 35%) should not be less than 30 minutes) should not be more than 600 minutes)	2 of 18 383: 2016(Clause 5.2.1).

Copy to: 1. The Assistant Engineer, SD III, WD VII, W.R.D. Dhargal Pernem- Goa.

2. Copy Submitted to The Superintending Engineer, CPO, WRD, Sinchai Bhavan Porvorim-Goa for kind Information

3. Copy Submitted to The Executive Engineer, WD VII, W.R.D. Dhargal Pernem- Goa.

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

Assistant Engineer