GOVERNMENT OF GOA QUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

Test Report No.: WRD/Q.C./F.6-4/Aggr-T-9691 & 9692 /Lab/ 159 /2020-21

Sand –T: 5064, Cement:T: 1200

Dated:08/12/2020.Laboratory:Sub Div:V (QC)/WRD/Bicholim Goa.

Sub: 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 Ch.8.780 Km of B-6 Distributary of R.B.M.C. of T.I.P. at Ugvem in Pernem Taluka.

Ref to requisition No: SDII/WDVII/WRD/F. 23/2020-21/110 Dated: 26/11/2021.

Qty. Received: 2 bags eachDate of Receipt: 04/12/2020Tested on: 04,05 & 07/12/2020Ref to Specification: CPWD 2009, Vol. I&IS:4031-4-1968Sample: Sand,20mm,O.S. No. 4332,4333,4330 & 4342/SSLab. Sample No.: 9661 TO 9664Tested by: Mrs. S.B. Naik Shirodkar, JE.12.5mm size aggrt, & 1 beg cement

R E P O RT 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 2	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})
	(L.S.No.9661 & 9662)	<u>REMARK:</u> After b		12.5 mm aggregates at the ratio of <u>1:2</u>	
		satisfyi	ng the required criteria for gra	nded aggregate of 20 mm nominal size.	
		It & Clay by S.A. method : - ilt by sedimentation : -		ous material is 15.00% for crushed sand)	
		•	2.70		
	,		II		
4.	Cement: J.K. cement, beari	ng IS:269	missible limits for crushed san i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time	d (Fine Aggregate) vide table 2 of IS 38 : 1.14 % (It should no : 31.00% (It should be in the neig : 150 minutes (It should not be	t be more than 10%) hborhood of 35%)
	Ordinary Portland cement,		, e		,
		k_{49} Month <u>12</u> , Year' <u>2020</u> .	iv) Final Setting Time	: 260 minutes (It should not be r	nore than 600 minutes)
	CM/L = 00034010				
	Qty. rep. –				

Copy to: 1. The Assistant Engineer, S. D. II, WD VII, WRD, Dhargal -Pernem - Goa.

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

3. Submitted to The Executive Engineer, W.D. VII, WRD, Dhargal -Pernem - Goa. .

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

Junior Engineer

Assistant Engineer