GOVERNMENT OF GOA QUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9985,9986/Lab/292/2021-22 Dated: 09/02 /2022. Laboratory: Bicholim Sand –T:5245 Cement-T: 1329 Sub Div: V (QC)/WRD/Bicholim Goa. Sub:- Flood mitigation measures and construction of flood water pumping station at Mala, Panaji Goa. Ref to requisition No:- SDIV/WDI/WRD/F.38/2021-22/684 Dated: 27/01/2022. Qty. Received: 1 bags each Date of Receipt: 01/02/2022 Tested on: 03,04,05 & 06/02/2022 Ref to Specification: CPWD 2009, Vol. I&IS:4031-4-1968 Sample:Sand,20mm, O.S. N:- 7561,7562,7582 & 7555/SS Tested by: Mrs. S.B. Naik Shirodkar. J.E. Lab. Sample No.: 2847 To 2850 12.5mm size aggrt., Cement

REPORT01OF01

1.		Tested for	Results	Max. /Min. value permissible	Remarks
1.	20 mm Size Aggregate:	Particle size distribution:		gregate of 20 mm nominal size. (Qty. rep. –	
2.	12.5 mm Size Aggregate :	Particle size distribution:	It is not single sized	l aggregate of 12.5 mm nominal size. (Qty. rep	m^{3})
			0 00 0	e with 12.5 mm aggregates at the ratio of <u>1:1</u> by or graded aggregate of 20 mm nominal size.	weight; it is
3.	Coarse Sand:	i) Silt & Clay by S.A.	-	- 5- mara abb. (2mr of 20 mm momma 2mr)	
	(L.S.No.2849)	ii) Silt by sedimentation	n :- 5.40%		
		iii) Fineness Modulus	: - 2.10%		
		iv) Grading Zone	:- III		
	To be used for RE	MARK: The observed res	ults are within the pe	rmissible limits of the coarse sand.	
4.	Cement:	i) Fin	eness of Cement	: 0.98% (It should not be more	e than 10%)
	Ultratech Cement, bearin	g IS:269 ii) Cor	nsistency of cement	: 31.00% (It should be in the neighborhood	d of 35%)
	Ordinary Portland cement	, iii) Init	tial Setting Time	: 170 minutes (It should not be less that	an 30 minutes)
	Manuf. date: W- 04, M- 01, Year-2022 i		al Setting Time	: 320 minutes (It should not be more that	,
	CM/L =0008152255	, , ,	8	Υ.	,
	Qty. rep. –.				
	<v 1<="" td=""><td>2K· The observed results a</td><td>re within the nermiss</td><td>ible limit for Ordinary Portland cement.</td><td></td></v>	2K· The observed results a	re within the nermiss	ible limit for Ordinary Portland cement.	

Copy to: 1. The Assistant Engineer, SDIV, 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