GOVERNMENT OF GOA QUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

Test R	<u>eport No</u> .: WRD/Q.C./F.6-4/A		2022-23 Dated:-05/01	-	im	
	Sand –T:- 5333. C			Sub Div: V (QC)/WRD/Bic		
Sub:- Improvement to Protection wall of Nallah down stream side of Airport Gate V.P. Varkhand in Pernem-Taluka.						
	equisition No:- MI/S.D.III/WR		*			
				02/01/2023. Ref to Specification: CF	WD 2009. Vol. I&IS:4031-4-1968	
	Sand,20mm, O.S. NO:- 9595,9		Lab. Sample No.:- 5576			
	mm size Aggr, Sand, and Ceme		REPORT 01 OF			
				-		
Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks	
1.	20.00 mm Size Aggregate:	Particle size distribution:				
2.	12.5 mm Size Aggregate :	<u>Size Aggregate</u> : Particle size distribution: It is not single sized aggregate 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 1:1 by weight; it is						
satisfying the required criteria for graded aggregate of 20 mm nominal size.						
	suisiying the required criteria for graded aggregate of 20 min nominal size.					
3.	Coarse Sand: i) Silt & Clay by S.A. method : - 4.80%					
	(L.S.No.5578)ii) Silt by sedimentation: - 4.34%iii) Fineness Modulus: - 2.45%iv) Grading Zone: - II					
<u>REMARK</u> : The observed results are within the permissible limits of the Coarse sand.						
4.	<u>Cement</u> :	i) Fineness	of Cement :- 1.28%	(It should not be more	than 10%)	
	Dalmia Cement, bearing IS:269 ii) Consis		stency of cement :- 34.00% (It should be in the neighborhood of 35%)			
	Ordinary Portland cement, iii) I) Initial Setting Time :- 145 minutes (It should not be less than 30 minutes)			
	•		U	inutes (It should not be more that	,	
	CM/L = 6200022577	, 				
	Qty. rep. $-$.					
	To be used for REMARK: The observed results are within the permissible limit for Ordinary Portland cement.					
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Copy to:1. The Assistant Engineer, SDIII, WDI, WRD, Pernem–Goa.

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

3. Copy Submitted to The Executive Engineer, WD I, WRD, Porvorim– Goa.

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