## GOVERNMENT OF GOA QUALITY CONTROL LABORATORY WATER RESOURCES DFEPARTMENT

<u>Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9993, 9994/Lab/ 303/2021-22</u> Dated: 19 / 02 / 2022. <u>Laboratory</u>: Bicholim

Sand -T: 5249. Cement-T: 1333.

Sub Div: V (QC)/WRD/Bicholim Goa.

<u>Sub</u>:- Improvement to existing nallah from Cyril Perrera house up to Umakant Dhargalk house in ward No. 01 Mapusa Municipal Council Cuchelim in Mapusa Constituency.

**Ref to requisition No:-** SDII/WDI/WRD/F.24/20-21/370

Dated :- 22/12/2021

Sample: Sand, 20mm, O.S. N:- 7672, 7673, 7683 & 7654 /SS Lab. Sample No.:- 2954 To 2957 Tested by:- Mrs. S. B. Naik Shirodkar. J. E.

12.5mm size aggrt., Cement

## REPORT 01 OF 01

Sr. No.	Description of sample	Tested for	Results	$\mathbf{N}$	Iax. /Min. value permissible	Remarks
1.	20.00 mm Size Aggregate:	Particle size distribution:	It is single sized aggre	gate of 20	mm nominal size. (Qty. rep.	$m^3$ )
2.	12.5 mm Size Aggregate:	Particle size distribution:	It is not single sized ag	gregate o	f 12.5 mm nominal size. (Qty. rep	$m^3$
			0 00 0		nm aggregates at the ratio of $\underline{1:2}$ gregate of 20 mm nominal size.	by weight; it is
3.	Coarse Sand:	i) Silt & Cl	lay by S.A. method :-	5.60%		
	(L.S.No.2956)	ii) Silt by s	sedimentation : -	5.26%		
		iii) Finenes	ss Modulus : -	2.11%		
		iv) Grading	g Zone : -	III		
	To be used for <b>REMARK:</b> The observed results are within the permissible limits of the coarse sand.					
4.	Cement:	i) Fi	neness of Cement :	1.21%	(It should not be mo	ore than 10%)
	J.K. Cement, bearing IS:269 ii) Co		onsistency of cement:	31.00%	(It should be in the neighborhood	od of 35%)
	Ordinary Partland sament		nitial Cattina Time	155	utas (It should not be less th	han 20 minutas

Ordinary Portland cement,

iii) Initial Setting Time : 155 minutes ---- (It should not be less than 30 minutes)

Manuf. date: W- 05, M- 02, Year -2022

iv) Final Setting Time

: 300 minutes -- (It should not be more than 600 minutes)

CM/L = 0003401033

Qty. rep. –.

To be used for **REMARK: The observed results are within the permissible limit for Ordinary Portland cement.** 

Copy to: 1. The Assistant Engineer, SDII, WDI, WRD, Mapusa, Bardez – 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.