

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/Q / F. 6-2/ Cube -T :- 5514,5517,5518,5523,5532,5535,5537,5539/Lab/224/2022 - 23 Dated:- 02/01/2023. Laboratory : Bicholim - Goa.
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : - Strengthening and renovation of existing bund from Nerul bridge to Caculo house at Candolim Bardez-Goa.

Ref. to Requisition No.: WRD/S.D. II/WDI/F.24/2022-23/323 dated :-25/11/2022.

Qty. Recived. : 08 Sets of cubes Date of Receipt:- 12/12/2022 Tested on: - 12,13,15,16,19,20,21 & 23/12/2022 Ref to CPWD :2009, Vol. I

Sample: Cube **Mix 1:2:4** O.S No: 9553,9559,9566/SS & 836,840,847,849,859/RK. Lab. Sample No: 5476 To 5483 Tested By: Mrs. S.B. Naik Shirodkar J.E. & Mrs. R.R.Kadam A.E.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix 1:2:4 , cast on 14/11/2022. For PCC 1:2:4 For Foundation.	28 th day compressive strength	215.20	Ka/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 12.00 m3 for One sets of cube.
			233.32	Ka/Cm ²			
			208.40	Ka/Cm ²			
			Average	218.98			
2	Cement concrete cube of mix 1:2:4 , cast on 15/11/2022. For PCC 1:2:4 For Foundation.	28 th day compressive strength	219.73	Ka/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 12.00 m3 for One sets of cube.
			231.06	Ka/Cm ²			
			226.53	Ka/Cm ²			
			Average	225.77			
3	Cement concrete cube of mix 1:2:4 , cast on 17/11/2022. For Toe wall lift 1:2:4.	28 th day compressive strength	226.53	Ka/Cm ²	210.00 Kg/cm ²	2.84	Qty represents - 14.00 m3 for One sets of cube.
			208.40	Ka/Cm ²			
			212.93	Ka/Cm ²			
			Average	215.95			
4	Cement concrete cube of mix 1:2:4 , cast on 18/11/2022. For Toe wall lift 1:2:4.	28 th day compressive strength	217.47	Ka/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 14.00 m3 for One sets of cube.
			228.79	Ka/Cm ²			
			224.26	Ka/Cm ²			
			Average	223.51			
5	Cement concrete cube of mix 1:2:4 , cast on 21/11/2022. For Toe wall lift 1:2:4.	28 th day compressive strength	222.00	Ka/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 12.00 m3 for One sets of cube.
			233.32	Ka/Cm ²			
			208.40	Ka/Cm ²			
			Average	221.24			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix 1:2:4 , cast on 22/11/2022. For Toe wall lift 1:2:4.	28 th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 14.00 m3 for One sets of cube.
			206.14	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 23/11/2022. For Toe wall lift 1:2:4.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 13.00 m3 for One sets of cube.
			217.47	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	217.47	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 25/11/2022. For Toe wall lift 1:2:4.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 13.00 m3 for One sets of cube.
			222.00	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	222.00	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD II , WD I, WRD, Mapusa Bardez - 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 I, WRD, Sinchai Bhawan Porvorim.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer