

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/ Cube -T : 6075,6091,6099,6134,6145,6153/Lab/**286**/ 2022 - 23 Dated:- 22/02/2023.
6161,6164,6180,6198,6209,6219.

Laboratory : Bicholim - Goa.
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of River Bank Protection wall in Survey no 59/23 at Bhatirwada in Pernem Taluka.

Ref. to Requisition No : MI/SDIII/WDI/F-58/2022-23/324 Dt.:- 01/02/2023

Qty. Recived : **12** Sets of cube Date of Receipt:- 06/02/2023. Tested on: - 06,07,08,10,11,12,13,14,16,17,18 & 19/02/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 921,946,954/RK & 110,153,167,176,185,191,214,225,235/SS Lab. Sample No : 6157 to 6168

Tested By: Mrs. R.R. Kadam A.E. & Mrs. S.B. Naik Shirodkar. J.E.

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SR.N O.	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 09/01/2023. For Protection Wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 24.00 Cum
			233.32	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 10/01/2023. For Protection Wall.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 16.00 Cum
			217.47	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 11/01/2023. For Protection Wall.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 16.00 Cum
			226.53	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 13/01/2023. For Protection Wall.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	9.31	Qty represents - 18.00 Cum
			231.06	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
5	Cement concrete cube of mix 1:2:4 , cast on 14/01/2023. For Protection Wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 20.00 Cum
			210.67	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	217.47	Kg/Cm²			
6	Cement concrete cube of mix 1:2:4 , cast on 15/01/2023. For Protection Wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 20.00 Cum
			208.40	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	220.49	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
7	Cement concrete cube of mix 1:2:4 , cast on 16/01/2023. For Protection Wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 16.00 Cum
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 17/01/2023. For Protection Wall.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 18.00 Cum
			231.06	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	234.08	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 19/01/2023. For Protection Wall.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 18.00 Cum
			215.20	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 20/01/2023. For Protection Wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents - 10.00 Cum
			210.67	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	215.95	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 21/01/2023. For Protection Wall.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 18.00 Cum
			226.53	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 22/01/2023. For Protection Wall.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 10.00 Cum
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	218.22	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD III , WDI , WRD, Pernem - Goa.

2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.

3. Copy submitted to The Executive Engineer , WDI , WRD, Porvorim - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer