

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3307, 3308,3334,3335,3352,3353,3360,3361,3374,3375,/ Lab /**327**/ 2021 - 22 Dated:- 10/ 03/2022. Laboratory : Bicholim - Goa.
3386,3387,3395 & 3396 Sub Division V (QC)/WRD/Goa.

Name of work : Extension to the existing retaining wall in Sy.no. 174/1 near Lift Irrigation Schemes at Ibrampur Taluka under Pernem Constituency.

Ref. to Requisition No.: MI/SDIII/WDI/WRD/F-58/2021-22/380 Dt.:- 10/ 02/ 2022

Qty. Recived. : 14 Sets of cube Date of Receipt:- 15/02/2022. Tested on: - 03,04,05,06,07,08 & 09/03/2022 as per due dates.Ref to CPWD :2009, Vol. I

Sample:Cube Mix PCC 1:2:4 O.SNo.:142,143/R.K. & 7805,7806,7825,7826,7833,7834,7848,7849,7860,7861,7871 & 7872/SS Lab. Sample No.: 3017 To 3030 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.Valu e permissible	% above or below	REMARK
1	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/02/2022. For Protection wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 25.00 Cum.
			237.85	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/02/2022. For Protection wall.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	16.14	Qty represents - 27.00 Cum.
			260.51	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	243.89	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/02/2022. For Protection wall.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 24.00 Cum.
			215.20	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/02/2022. For Protection wall.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 25.00 Cum.
			237.85	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/02/2022. For Protection wall.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 26.00 Cum.
			249.18	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/02/2022. For Protection wall.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	16.14	Qty represents - 24.00 Cum.
			226.53	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	243.89	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR.N O.	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 06/02/2022. For Protection wall.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 26.00 Cum.
			235.59	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	221.24			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/02/2022. For Protection wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 25.00 Cum.
			215.20	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	226.53			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/02/2022. For Protection wall.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 24.00 Cum.
			208.40	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	223.51			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/02/2022. For Protection wall.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 26.00 Cum.
			215.20	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	226.53			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/02/2022. For Protection wall.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 27.00 Cum.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	225.77			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/02/2022. For Protection wall.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 26.00 Cum.
			237.85	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	227.28			
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/02/2022. For Protection wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 25.00 Cum.
			228.79	Kg/Cm ²			
			203.87	Kg/Cm ²			
			Average	223.51			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/02/2022. For Protection wall.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	17.58	Qty represents - 26.00 Cum.
			258.24	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	246.91			

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