

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3260,3275,3280,3300,3301/ Lab /**326/** 2021 - 22 Dated:-09/03/2022. Laboratory : Bicholim - Goa.
3346,3347, 3372 & 3373. Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Open type Bandhara across Bicholim River at Gaonkarwada at Bicholim.

Ref. to Requisition No.: WRD/WDVI/SDI/F.W.220/2021-22/ Dt.:- 09/ 02 /2022.

Qty. Recived. : 09 Sets of cube Date of Receipt:- 09/ 02/ 2022. Tested on:- 26 & 28/02/2022 & 01,03,05 & 07/03/2022 as per due dates. Ref to CPWD :2009,
Sample: Cube Mix PCC 1:2:4 & RCC 1:1.5:3 O.S No. :132/R.K. & 7761,7769,7789,7790,7819,7820,7846 & 7847/SS Lab. Sample No.: 2926 To 2934 Tested By:
Mrs. R. R. Kadam A.E. & Mrs. S.B. Naik Shirodkar. J.E.

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Valu e permissable	% above or below	REMARK
1	Cement concrete cube of mix 1 : 2 :4 , cast on 29/01/2022. PCC for Ganesh Visarjan steps Foundation.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	14.70	Qty represents - 14.85 Cum.
			240.12	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	240.87			
2	Cement concrete cube of mix 1 : 2 :4 , cast on 31/01/2022. PCC for Ganesh Visarjan steps Foundation.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 14.85 Cum.
			226.53	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	226.53			
3	Cement concrete cube of mix 1 : 2 :4 , cast on 01/02/2022. PCC for Pier Foundation From 15m to 21m Ganesh Visarjan steps 1st step.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 21.00 Cum.
			219.73	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	218.98			
4	Cement concrete cube of mix 1 : 1.5 :3 , cast on 03/02/2022. RCC for Pier Beam From 10m to 19m.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	2.58	Qty represents - 20.25 Cum for two sets of cubes.
			271.83	Kg/Cm ²			
			260.51	Kg/Cm ²			
			Average	271.83			
5	Cement concrete cube of mix 1 : 1.5 :3 , cast on 03/02/2022. RCC for Pier Beam From 10m to 19m.	28 th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	6.28	----- do -----
			278.63	Kg/Cm ²			
			294.48	Kg/Cm ²			
			Average	281.65			
6	Cement concrete cube of mix 1 : 1.5 :3 , cast on 05/02/2022. RCC for Piers Pier no 1 and 2 Abutment on bund side Stabilising existing wall on bund side.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	8.85	Qty represents - 24.54 Cum for two sets of cubes.
			287.69	Kg/Cm ²			
			294.48	Kg/Cm ²			
			Average	288.44			

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 : 1.5 :3 , cast on 05/02/2022. RCC for Piers Pier no 1 and 2 Abutment on bund side Stabilising existing wall on bund side.	28 th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/cm ²	4.00	Qty represents - 24.54 Cum for two sets of cubes.
			265.04	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	275.61	Kg/Cm²			
8	Cement concrete cube of mix 1 : 1.5 :3 , cast on 07/02/2022. RCC for Piers Pier no 3,4 and 5 Stabilising existing wall on bund side.	28 th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/cm ²	7.42	Qty represents - 21.10 Cum for two sets of cubes.
			271.83	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	284.67	Kg/Cm²			
9	Cement concrete cube of mix 1 : 1.5 :3 , cast on 07/02/2022. RCC for Piers Pier no 3,4 and 5 Stabilising existing wall on bund side.	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/cm ²	8.28	----- do -----
			276.36	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	286.93	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD I , WDWI , WRD,Bicholim - 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 VI ,WRD, Bicholim- Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer