

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 4135,4192 to 4194,4233,4249,4279,4308,/ Lab / **74** / 2022 - 23 Dated:- 16/05/2022. Laboratory : Bicholim - Goa.

4334 & 4348.

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

**Name of work : Stabilization of hillslope by Construction of retaining wall near the house of Arjun Asolkat Montepio, Altinho Panaji.**

Ref. to Requisition No.: SDIV/WDI/WRD/F.38/2022-23/64 Dt.:- 27/ 04/ 2022

Qty. Received. : 10 Sets of cube Date of Receipt:- 28/ 04 / 2022. Tested on: 28/04/2022 , 02,04,05,06,07,08 & 09/05/2022as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** & **1:1.5:3** O.S No. :8403,8449 to 8451/SS, 0521,0537,0568,0596,0623 & 0637/R.K Lab. Sample No.: 4050 to 4059 Tested By: Mrs. R. R. Kadam A.E. & Mrs. S. B. Naik Shirodkar. J.E.

**REPORT PAGE 01 OF 02**

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix <b>1:2:4</b> , cast on 31/03/2022. For Foundation & Plinth.	28 th day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.43	Qty represents - 12.00 M3.
			219.73	Kg/Cm <sup>2</sup>			
			224.26	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>223.51</b>			
2	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 04/04/2022. For Raft.	28 th day compressive strength	292.22	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	6.85	Qty represents - 43.00 cum for three sets of cubes.
			280.89	Kg/Cm <sup>2</sup>			
			276.36	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>283.16</b>			
3	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 04/04/2022. For Raft.	28 th day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	9.70	----- do -----
			285.42	Kg/Cm <sup>2</sup>			
			303.55	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>290.71</b>			
4	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 04/04/2022. For Raft.	28 th day compressive strength	260.51	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	5.43	----- do -----
			283.16	Kg/Cm <sup>2</sup>			
			294.48	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>279.38</b>			
5	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 06/04/2022. For Stem - 1st lift.	28 th day compressive strength	292.22	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.57	Qty represents - 14.00 M3.
			267.30	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>277.12</b>			
6	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 07/04/2022. For Stem - 2nd lift.	28 th day compressive strength	287.69	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	9.70	Qty represents - 12.00 M3.
			303.55	Kg/Cm <sup>2</sup>			
			280.89	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>290.71</b>			

Junior Engineer

Assistant Engineer

**REPORT PAGE 02 OF 02**

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 08/04/2022. For Stem - 3rd lift.	28 th day compressive strength	269.57	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	5.43	Qty represents - 11.00 M3.
			283.16	Kg/Cm <sup>2</sup>			
			285.42	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>279.38</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 09/04/2022. For Stem - 4th lift.	28 th day compressive strength	294.48	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	10.84	Qty represents - 10.00 M3.
			301.28	Kg/Cm <sup>2</sup>			
			285.42	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>293.73</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 10/04/2022. For Stem - 5th lift.	28 th day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	7.14	Qty represents - 9.00 M3.
			278.63	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>283.91</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 11/04/2022. For Stem - 6th lift.	28 th day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	3.72	Qty represents - 7.00 M3.
			262.77	Kg/Cm <sup>2</sup>			
			278.63	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>274.85</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD IV , WDI , WRD, Porvorim - 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