

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 4175 to 4177,4212 to 4214,4256,/ Lab / **67** / 2022 - 23 Dated:- 10/05/2022. Laboratory : Bicholim - Goa.  
4257,4283,4284,4309 & 4351. Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work :Improvement to Pond in Sy. No. 78 in Village Bastora in Aldona Constituency.**

Ref. to Requisition No.: SDII/WDI/WRD/F.24/2022-23/48 Dt.: -29/ 04/ 2022

Qty. Received. : 12 Sets of cube Date of Receipt:- 30/04/ 2022. Tested on: 30/04/2022 , 01,03,05,06,07 & 09/05/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No. :0483 to 0485,0500 to 0502,0544,0545,0572,0573,0598 & 0640/R.K Lab. Sample No.: 4096 to 4107 Tested By: Mrs. R. R. Kadam A.E.

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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 02/04/2022. For Bed block for laterite masonry.	28 th day compressive strength	219.73	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	Qty represents - 26.50 M3 for two sets of cubes.
			226.53	Kg/Cm <sup>2</sup>			
			215.20	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1:2:4</b> , cast on 02/04/2022. For Bed block for laterite masonry.	28 th day compressive strength	222.00	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.23	----- do -----
			233.32	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>227.28</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1:2:4</b> , cast on 03/04/2022. For Bed block for laterite masonry.	28 th day compressive strength	224.26	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	5.35	Qty represents - 14.50 M3.
			210.67	Kg/Cm <sup>2</sup>			
			228.79	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>221.24</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1:2:4</b> , cast on 05/04/2022. For Bed block PCC wall.	28 th day compressive strength	231.06	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	9.67	Qty represents - 40.00 M3 for three sets of cubes.
			222.00	Kg/Cm <sup>2</sup>			
			237.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>230.30</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1:2:4</b> , cast on 05/04/2022. For Bed block PCC wall.	28 th day compressive strength	219.73	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.87	----- do -----
			233.32	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>226.53</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>1:2:4</b> , cast on 05/04/2022. For Bed block PCC wall.	28 th day compressive strength	249.18	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	12.54	----- do -----
			228.79	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>236.34</b>	<b>Kg/Cm<sup>2</sup></b>			

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Cement concrete cube of mix <b>1:2:4</b> , cast on 07/04/2022. For 1st step for PCC wall & gate.	28 th day compressive strength	222.00	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	5.35	Qty represents - 32.00 M3 for three sets of cubes.
			215.20	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>221.24</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1:2:4</b> , cast on 07/04/2022. For 1st step for PCC wall & gate.	28 th day compressive strength	233.32	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.75	----- do -----
			237.85	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>232.57</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>1:2:4</b> , cast on 08/04/2022. For 2nd step for PCC wall.	28 th day compressive strength	224.26	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	12.90	Qty represents - 23.00 M3 for three sets of cubes.
			242.38	Kg/Cm <sup>2</sup>			
			244.65	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>237.10</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>1:2:4</b> , cast on 08/04/2022. For 2nd step for PCC wall.	28 th day compressive strength	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	12.54	----- do -----
			231.06	Kg/Cm <sup>2</sup>			
			242.38	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>236.34</b>	<b>Kg/Cm<sup>2</sup></b>			
11	Cement concrete cube of mix <b>1:2:4</b> , cast on 09/04/2022. For 3rd step for PCC wall.	28 th day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	5.71	Qty represents - 15.00 M3.
			228.79	Kg/Cm <sup>2</sup>			
			224.26	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>222.00</b>	<b>Kg/Cm<sup>2</sup></b>			
12	Cement concrete cube of mix <b>1:2:4</b> , cast on 11/04/2022. For 4th step for PCC wall.	28 th day compressive strength	233.32	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	15.78	Qty represents - 10.00 M3.
			246.91	Kg/Cm <sup>2</sup>			
			249.18	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>243.14</b>	<b>Kg/Cm<sup>2</sup></b>			

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

4. QC Lab File.      5. Bill File.

Assistant Engineer