

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3320,3338,3350,3351,3368,3382,/ Lab / **328** / 2021 - 22 Dated:- 11/03/2022. Laboratory : Bicholim - Goa.  
3391 & 3398 Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Improvement to existing nalla bank from Umakant Dhargalkar house up to Sheryl Hart house in ward no. 1, Mapusa Municipal Council Cuchelim in Mapusa Constituency.**

Ref. to Requisition No.: WRD/SDII/WDI/F.24/2021-22/463 Dt.: -03/ 03/ 2022

Qty. Received. : 10 Sets of cube Date of Receipt:- 03/ 03 / 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.S No. :155/R.K , 7809,7823,7824,7841,7856,7865 & 7874/SS Lab. Sample No.: 3219 to 3228 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.Value permissible	% above or below	REMARK	
1	Cement concrete cube of mix CC 1:2:4 , cast on 22/02/2022. PCC for Foundation.	07 th day compressive strength	7th day test is lapsed.			7th day test is due on 01/03/2022. Sample of cubes received to QC on 03/03/2022 Posted for 28th day test.	
		<b>Average</b>					
2	Cement concrete cube of mix CC 1:2:4 , cast on 23/02/2022. PCC for Foundation.	07 th day compressive strength	7th day test is lapsed.			7th day test is due on 02/03/2022. Sample of cubes received to QC on 03/03/2022 Posted for 28th day test.	
		<b>Average</b>					
3	Cement concrete cube of mix CC 1:2:4 , cast on 24/02/2022. PCC for Foundation.	07 th day compressive strength	158.57	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	8.41	Qty represents - 16.00 Cum
			147.24	Kg/Cm <sup>2</sup>			
			149.51	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>151.77</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix CC 1:2:4 , cast on 25/02/2022. PCC for Foundation.	07 th day compressive strength	158.57	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	16.50	Qty represents - 19.00 Cum
			169.89	Kg/Cm <sup>2</sup>			
			160.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>163.10</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix CC 1:2:4 , cast on 26/02/2022. PCC for 1st lift.	07 th day compressive strength	147.24	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	4.09	Qty represents - 22.00 Cum for two sets of cubes.
			154.04	Kg/Cm <sup>2</sup>			
			135.92	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>145.73</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix CC 1:2:4 , cast on 26/02/2022. PCC for 1st lift.	07 th day compressive strength	167.63	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	10.57	----- do -----
			151.77	Kg/Cm <sup>2</sup>			
			144.98	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>154.79</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

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7	Cement concrete cube of mix CC 1:2:4 , cast on 27/02/2022. PCC for 1st lift.	07 th day	142.71	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	6.25	Qty represents - 20.00 Cum
		compressive	158.57	Kg/Cm <sup>2</sup>			
		strength	144.98	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>148.75</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix CC 1:2:4 , cast on 28/02/2022. PCC for 2nd lift.	07 th day	160.83	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	8.41	Qty represents - 18.00 Cum
		compressive	154.04	Kg/Cm <sup>2</sup>			
		strength	140.45	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>151.77</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix CC 1:2:4 , cast on 01/03/2022. PCC for 2nd lift.	07 th day	135.92	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	6.79	Qty represents - 19.00 Cum
		compressive	156.30	Kg/Cm <sup>2</sup>			
		strength	156.30	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>149.51</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix CC 1:2:4 , cast on 02/03/2022. PCC for 3rd lift.	07 th day	167.63	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	15.96	Qty represents - 18.00 Cum
		compressive	158.57	Kg/Cm <sup>2</sup>			
		strength	160.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>162.34</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.

Junior Engineer

Assistant Engineer