

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3536,3537,3552,3553,3569,3570,/ Lab / **346** / 2021 - 22 Dated:- 31/03/2022. Laboratory : Bicholim - Goa.  
3589,3604,3605,3637,3639,3661 & 3705 Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work :Improvement to existing nalla bank from Cyril Pereira house up to Umankant Dhargalkar (Left Side Wall) house in ward no. 1, Mapusa Municipal Council Cuchelim in Mapusa Constituency.**

Ref. to Requisition No.: WRD/SDII/WDI/F.24/2021-22/462 Dt.: -03/ 03/ 2022

Qty. Received. : 13 Sets of cube Date of Receipt:- 03/ 03 / 2022. Tested on: 22,23,24,25,26,27,28,29 & 30/03/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix PCC 1:2:4 O.S No. :208,209,229,230,248,249,272,289,290,323,326,348 & 392/R.K , Lab. Sample No.: 3229 to 3241 Tested By: Mrs. R.R.Kadam A.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.	28 th day compressive strength	253.71	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	14.34	Qty represents - 27.50 Cum for two sets of cubes.
			237.85	Kg/Cm <sup>2</sup>			
			228.79	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>240.12</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix CC 1:2:4 , cast on 22/02/2022. PCC for Foundation.	28 th day compressive strength	224.26	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.75	----- do -----
			242.38	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>232.57</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix CC 1:2:4 , cast on 23/02/2022. PCC for Foundation.	28 th day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	13.98	Qty represents - 26.50 Cum for two sets of cubes.
			237.85	Kg/Cm <sup>2</sup>			
			253.71	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>239.36</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix CC 1:2:4 , cast on 23/02/2022. PCC for Foundation.	28 th day compressive strength	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	9.67	----- do -----
			226.53	Kg/Cm <sup>2</sup>			
			228.79	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 CC 1:2:4 , cast on 24/02/2022. PCC for Foundation.	28 th day compressive strength	224.26	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	13.62	Qty represents - 28.50 Cum for two sets of cubes.
			253.71	Kg/Cm <sup>2</sup>			
			237.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>238.61</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix CC 1:2:4 , cast on 24/02/2022. PCC for Foundation.	28 th day compressive strength	242.38	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.03	----- do -----
			217.47	Kg/Cm <sup>2</sup>			
			233.32	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>231.06</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 CC 1:2:4 , cast on 25/02/2022. PCC for 1st lift.	28 th day compressive strength	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	11.11	Qty represents - 23.00 Cum.
			246.91	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>233.32</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix CC 1:2:4 , cast on 26/02/2022. PCC for 1st lift.	28 th day compressive strength	224.26	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.59	Qty represents - 25.00 Cum for two sets of cubes.
			226.53	Kg/Cm <sup>2</sup>			
			233.32	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>228.04</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix CC 1:2:4 , cast on 26/02/2022. PCC for 1st lift.	28 th day compressive strength	233.32	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	12.18	----- do -----
			244.65	Kg/Cm <sup>2</sup>			
			228.79	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>235.59</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix CC 1:2:4 , cast on 27/02/2022. PCC for 1st lift.	28 th day compressive strength	224.26	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.15	Qty represents - 22.00 Cum.
			231.06	Kg/Cm <sup>2</sup>			
			219.73	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>225.02</b>	<b>Kg/Cm<sup>2</sup></b>			
11	Cement concrete cube of mix CC 1:2:4 , cast on 28/02/2022. PCC for 2nd lift.	28 th day compressive strength	217.47	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.79	Qty represents - 22.00 Cum.
			224.26	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>224.26</b>	<b>Kg/Cm<sup>2</sup></b>			
12	Cement concrete cube of mix CC 1:2:4 , cast on 01/03/2022. PCC for 2nd lift.	28 th day compressive strength	260.51	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	17.58	Qty represents - 23.00 Cum.
			244.65	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>246.91</b>	<b>Kg/Cm<sup>2</sup></b>			
13	Cement concrete cube of mix CC 1:2:4 , cast on 02/03/2022. PCC for 3rd lift.	28 th day compressive strength	210.67	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.07	Qty represents - 22.00 Cum.
			240.12	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>222.75</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