

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2240,2241,2255,2256,2268,2269/ Lab / **122**/ 2021 - 22 Dated:- 24/06 /2021. Laboratory : Bicholim - Goa.  
,2276,2277,2299,2300,2314,2315,2318,2319,2332,2333,2345,2346 Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Improvement to various nallahs in fields from Sagar Shetye's house to Prakash Shetgaonkar fields,Subhash Salkar house to Eliton house at Aradi,Vetal Temple to main nallah,Suresh Harmalkar field to main nallah at Vaddem,Sarvesh Volvoikars house to Polle house at Bhutkiwada in V.P.Socorro in Porvorim Constituency.**

Ref. to Requisition No.: SDI/WDI/WRD/F.57/21-22/94 Dated :- 08/ 06/ 2021.

Qty. Recived. : 18 Sets of cube Date of Receipt:- 11/ 06 / 2021. Tested on: -12,14,15,16,17,18,19,21,22/06/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1: 2: 4 O.S No. :6471,6472,6486,6487,6499,6500,6509,6510,6532,6533,6547,6548,6551,6552,6565,6566,6578,6579/SS

Lab. Sample No.: 1785 To 1802 Tested By: Mrs.Shirodkar. J.E.

**REPORT PAGE 01 OF 03**

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix <b>1:2:4</b> , cast on 15/05/2021. For Foundation.	28 <sup>th</sup> day compressive strenath	262.77	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	13.62	Qty represents -33.00 Cum for two sets of cubes.
			217.47	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>238.61</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1:2:4</b> , cast on 15/05/2021. For Foundation.	28 <sup>th</sup> day compressive strenath	203.87	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.20	----- do -----
			219.73	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>216.71</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1:2:4</b> , cast on 17/05/2021. For Foundation.	28 <sup>th</sup> day compressive strenath	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	12.54	Qty represents -30.00 Cum for two sets of cubes.
			249.18	Kg/Cm <sup>2</sup>			
			233.32	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>236.34</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1:2:4</b> , cast on 17/05/2021. For Foundation.	28 <sup>th</sup> day compressive strenath	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.43	----- do -----
			226.53	Kg/Cm <sup>2</sup>			
			208.40	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>223.51</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1:2:4</b> , cast on 18/05/2021. For Foundation.	28 <sup>th</sup> day compressive strenath	224.26	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.59	Qty represents -31.00 Cum for two sets of cubes.
			233.32	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>228.04</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 03

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix <b>1:2:4</b> , cast on 18/05/2021. For Foundation.	28 <sup>th</sup> day compressive strenath	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.91	Qty represents -31.00 Cum for two sets of cubes.
			226.53	Kg/Cm <sup>2</sup>			
			215.20	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>218.22</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Cement concrete cube of mix <b>1:2:4</b> , cast on 19/05/2021. For Foundation & Coping.	28 <sup>th</sup> day compressive strenath	233.32	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.91	Qty represents - 33.00 Cum for two sets of cubes.
			212.93	Kg/Cm <sup>2</sup>			
			208.40	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>218.22</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1:2:4</b> , cast on 19/05/2021. For Foundation & Coping.	28 <sup>th</sup> day compressive strenath	231.06	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	----- do -----
			208.40	Kg/Cm <sup>2</sup>			
			222.00	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>1:2:4</b> , cast on 20/05/2021. For Foundation.	28 <sup>th</sup> day compressive strenath	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.51	Qty represents - 35.00 Cum for two sets of cubes.
			226.53	Kg/Cm <sup>2</sup>			
			215.20	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>225.77</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>1:2:4</b> , cast on 20/05/2021. For Foundation.	28 <sup>th</sup> day compressive strength	249.18	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	12.54	----- do -----
			233.32	Kg/Cm <sup>2</sup>			
			226.53	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 21/05/2021. For Foundation.	28 <sup>th</sup> day compressive strength	258.24	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	16.50	Qty represents - 34.00 Cum for two sets of cubes.
			244.65	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>244.65</b>	<b>Kg/Cm<sup>2</sup></b>			
12	Cement concrete cube of mix <b>1:2:4</b> , cast on 21/05/2021. For Foundation.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	11.82	----- do -----
			249.18	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>234.83</b>	<b>Kg/Cm<sup>2</sup></b>			
13	Cement concrete cube of mix <b>1:2:4</b> , cast on 22/05/2021. For Foundation & Coping.	28 <sup>th</sup> day compressive strength	203.87	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.07	Qty represents - 32.00 Cum for two sets of cubes.
			237.85	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>222.75</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

**REPORT PAGE 03 OF 03**

<b>SR. NO</b>	<b>DISCRIPTION OF SAMPLE</b>	<b>TESTED FOR</b>	<b>RESULTS</b>		<b>Max./Min.Value permissable</b>	<b>% above or below</b>	<b>REMARK</b>
14	Cement concrete cube of mix <b>1:2:4</b> , cast on 22/05/2021. For Foundation & Coping.	28 <sup>th</sup> day compressive strength	233.32	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.39	Qty represents - 32.00 Cum for two sets of cubes.
			219.73	Kg/Cm <sup>2</sup>			
			242.38	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>231.81</b>	<b>Kg/Cm<sup>2</sup></b>			
15	Cement concrete cube of mix <b>1:2:4</b> , cast on 24/05/2021. For Foundation & Coping.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.95	Qty represents - 30.00 Cum for two sets of cubes.
			235.59	Kg/Cm <sup>2</sup>			
			212.93	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>228.79</b>	<b>Kg/Cm<sup>2</sup></b>			
16	Cement concrete cube of mix <b>1:2:4</b> , cast on 24/05/2021. For Foundation & Coping.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.59	----- do -----
			244.65	Kg/Cm <sup>2</sup>			
			212.93	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>228.04</b>	<b>Kg/Cm<sup>2</sup></b>			
17	Cement concrete cube of mix <b>1:2:4</b> , cast on 25/05/2021. For Foundation & Coping.	28 <sup>th</sup> day compressive strength	233.32	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.79	Qty represents -32.00 Cum for two sets of cubes.
			203.87	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>224.26</b>	<b>Kg/Cm<sup>2</sup></b>			
18	Cement concrete cube of mix <b>1:2:4</b> , cast on 25/05/2021. For Foundation & Coping.	28 <sup>th</sup> day compressive strength	249.18	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	12.18	----- do -----
			237.85	Kg/Cm <sup>2</sup>			
			219.73	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>235.59</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD I , WD I , 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 , WD I ,WRD,Porvorim- Goa.

4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer