

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7488,7498,7499,7502,7503,7509/Lab/140/2023 - 24 Dated:- 24/07/2023.  
7510,7515,7520,7526,7532,7537,7542,7549.

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

Name of work : Development of the existing water harvesting site at Fondvem at Khobra waddo in V.P. Calangute in Calangute Constituency.

Ref. to Requisition No : SDII/WDI/WRD/F.24/2023-24/132 Dt :- 07/07/2023

Qty. Recived : 14 Sets of cube Date of Receipt:- 07/07/2023. Tested on: 08,10,11,12,13,14,15,17,18,19 & 20/07/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No: 1085,1096,1097,1100,1101,1108,1109,1114,1119,1125,1132,1137,1142,1149/SS.

Lab. Sample No: 7663 to 7676 Tested By : Mrs. S.B.Naik Shirodkar. J.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 1:2:4, cast on 10/06/2023. for Foundation front side.	28 th day compressive strength	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	9.31	Qty represents - 5.00 M3.
			217.47	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>229.55</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix 1:2:4, cast on 12/06/2023. for Foundation RHS after 100 mtr length.	28 th day compressive strength	215.20	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.43	Qty represents - 28.00 M3 for two sets of cube.
			217.47	Kg/Cm <sup>2</sup>			
			237.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>223.51</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix 1:2:4, cast on 12/06/2023. for Foundation RHS after 100 mtr length.	28 th day compressive strength	237.85	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.75	---do---
			226.53	Kg/Cm <sup>2</sup>			
			233.32	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>232.57</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix 1:2:4, cast on 13/06/2023. for Foundation RHS.	28 th day compressive strength	210.67	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.55	Qty represents - 28.00 M3 for two sets of cube.
			217.47	Kg/Cm <sup>2</sup>			
			224.26	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>217.47</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix 1:2:4, cast on 13/06/2023. for Foundation RHS.	28 th day compressive strength	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.23	---do---
			231.06	Kg/Cm <sup>2</sup>			
			215.20	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>227.28</b>	<b>Kg/Cm<sup>2</sup></b>			

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<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>
6	Cement concrete cube of mix <b>1:2:4</b> , cast on 14/06/2023. for Foundation RHS.	28 th day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	Qty represents - 28.00 M3 for two sets of cube.
			231.06	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Cement concrete cube of mix <b>1:2:4</b> , cast on 14/06/2023. for Foundation RHS.	28 th day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.55	---do---
			210.67	Kg/Cm <sup>2</sup>			
			215.20	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>217.47</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1:2:4</b> , cast on 15/06/2023. for Foundation RHS.	28 th day compressive strength	215.20	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.51	Qty represents - 15.00 M3.
			226.53	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>225.77</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>1:2:4</b> , cast on 16/06/2023. for Foundation 1st Lift RHS.	28 th day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.91	Qty represents - 20.00 M3.
			212.93	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>			
10	Cement concrete cube of mix <b>1:2:4</b> , cast on 17/06/2023. for Foundation 1st Lift RHS.	28 th day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.27	Qty represents - 20.00 M3.
			233.32	Kg/Cm <sup>2</sup>			
			210.67	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>218.98</b>	<b>Kg/Cm<sup>2</sup></b>			
11	Cement concrete cube of mix <b>1:2:4</b> , cast on 19/06/2023. for Foundation 1st Lift RHS.	28 th day compressive strength	217.47	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	5.71	Qty represents - 20.00 M3.
			212.93	Kg/Cm <sup>2</sup>			
			235.59	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 20/06/2023. for Foundation 1st Lift RHS.	28 th day compressive strength	240.12	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.95	Qty represents - 15.00 M3.
			219.73	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>228.79</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
13	Cement concrete cube of mix <b>1:2:4</b> , cast on 21/06/2023. for front side foundation.	28 th day compressive strength	212.93	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.91	Qty represents - 20.00 M3.
			224.26	Ka/Cm <sup>2</sup>			
			217.47	Ka/Cm <sup>2</sup>			
		<b>Average</b>	<b>218.22</b>	<b>Ka/Cm<sup>2</sup></b>			
14	Cement concrete cube of mix <b>1:2:4</b> , cast on 22/06/2023. for front side above foundation 1st Lift.	28 th day compressive strength	208.40	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	5.71	Qty represents - 15.00 M3.
			226.53	Ka/Cm <sup>2</sup>			
			231.06	Ka/Cm <sup>2</sup>			
		<b>Average</b>	<b>222.00</b>	<b>Ka/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer, SDII, 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.

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