

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 6571,6572,6582,6583,6604/Lab/**20**/2023 - 24 Dated:- 13/04/2023.  
6605,6614,6615,6633,6634.

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

**Name of work : Construction of wall for Nallah from main road to the river for protecting the Paddy fields at Pandav waddo Chodan Madel in Mayem Constituency.**

Ref. to Requisition No : F.246/WRD/WDVI/SDI/470/22-23. Dt.:- 23/03/2023

Qty. Received : **10** Sets of cube Date of Receipt:- 04/04/2023. Tested on:- 04,05,07,09 & 11/04/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1059,1060/RK & 576,577,588,589,607,608,629,630/SS Lab. Sample No: 6723 to 6732

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 permissable	% above or below	REMARK
1	Cement concrete cube of mix <b>1:2:4</b> , cast on 07/03/2023. PCC for Foundation of Ret Wall RHS Ch 60m to 90m.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	Qty represents - 14.50 Cum.
			215.20	Kg/Cm <sup>2</sup>			
			219.73	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>220.49</b>			
2	Cement concrete cube of mix <b>1:2:4</b> , cast on 07/03/2023. PCC for Foundation of Ret Wall LHS Ch 55m to 85m.	28 <sup>th</sup> day compressive strength	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.95	Qty represents - 15.00 Cum.
			233.32	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>228.79</b>			
3	Cement concrete cube of mix <b>1:2:4</b> , cast on 08/03/2023. PCC for Foundation of Ret Wall RHS Ch 90m to 120m.	28 <sup>th</sup> day compressive strength	215.20	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.23	Qty represents - 14.50 Cum.
			240.12	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>227.28</b>			
4	Cement concrete cube of mix <b>1:2:4</b> , cast on 08/03/2023. PCC for Foundation of Ret Wall LHS Ch 85m to 115m.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.79	Qty represents - 14.50 Cum.
			226.53	Kg/Cm <sup>2</sup>			
			208.40	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>224.26</b>			
5	Cement concrete cube of mix <b>1:2:4</b> , cast on 10/03/2023. PCC for Foundation of Ret Wall RHS Ch 120m to 150m.	28 <sup>th</sup> day compressive strength	246.91	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.03	Qty represents - 15.00 Cum.
			219.73	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>231.06</b>			

Junior Engineer

Assistant Engineer

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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 10/03/2023. PCC for Foundation of Ret Wall LHS Ch 115m to 135m.	28 <sup>th</sup> day compressive strength	210.67	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.55	Qty represents - 10.00 Cum.
			219.73	Kg/Cm <sup>2</sup>			
			222.00	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>217.47</b>			
7	Cement concrete cube of mix <b>1:2:4</b> , cast on 12/03/2023. PCC for Foundation of Ret Wall RHS Ch 150m to 180m.	28 <sup>th</sup> day compressive strength	210.67	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.55	Qty represents - 16.00 Cum.
			224.26	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>217.47</b>			
8	Cement concrete cube of mix <b>1:2:4</b> , cast on 12/03/2023. PCC for Foundation of Ret Wall LHS Ch 135m to 165m.	28 <sup>th</sup> day compressive strength	219.73	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	9.31	Qty represents - 15.00 Cum.
			253.71	Kg/Cm <sup>2</sup>			
			215.20	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>229.55</b>			
9	Cement concrete cube of mix <b>1:2:4</b> , cast on 14/03/2023. PCC for Foundation of Ret Wall RHS Ch 180m to 195m.	28 <sup>th</sup> day compressive strength	215.20	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.79	Qty represents - 10.00 Cum.
			231.06	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>224.26</b>			
10	Cement concrete cube of mix <b>1:2:4</b> , cast on 14/03/2023. PCC for Foundation of Ret Wall RHS Ch 195m to 225m.	28 <sup>th</sup> day compressive strength	222.00	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	11.11	Qty represents - 15.00 Cum.
			240.12	Kg/Cm <sup>2</sup>			
			237.85	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>233.32</b>			

Copy to: 1. The Assistant Engineer, SDI, WDV, WRD, Bicholim - Goa.

2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.

3. Copy submitted to The Executive Engineer, WDV, WRD, Bicholim - Goa.

4. QC Lab File.      5. Bill File.

**Junior Engineer**

**Assistant Engineer**