

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7191,7192,7207,7208,7219/Lab/**101**/2023 - 24 Dated:- 17/06/2023.  
7220,7234,7235,7249,7250.

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

**Name of work : Construction of protection wall for nallah bank in Sy. No. 130/2, 131/1 and 131/3 from downstream of road bridge of Village Poriem in Sattari Taluka.**

Ref. to Requisition No : F.50/SDIV/WDVI/WRD/2023-24/27. Dt.:- 31/05/2023

Qty. Received : **10** Sets of cube Date of Receipt:- 01/06/2023. Tested on:- 10,12,13,14 & 15/06/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1489,1490,1505,1506/RK & 842,843,857,858,874,875/SS. Lab. Sample No: 7293 to 7302

Tested By: Mrs. R.R. Kadam A.E. & Mrs. S.B. Naik Shirodkar J.E.

**REPORT PAGE 01 OF 02**

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 13/05/2023. For 1st Lift (L.H.S) Ch. 0.00 to 40.00 mt.	28 <sup>th</sup> day compressive strength	226.53	Kq/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	5.35	Qty represents - 36.00 m3 for two sets of cube.
			215.20	Kq/Cm <sup>2</sup>			
			222.00	Kq/Cm <sup>2</sup>			
			<b>Average</b>	<b>221.24</b>			
2	Cement concrete cube of mix <b>1:2:4</b> , cast on 13/05/2023. For 1st Lift (L.H.S) Ch. 0.00 to 40.00 mt.	28 <sup>th</sup> day compressive strength	212.93	Kq/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.27	--do--
			233.32	Kq/Cm <sup>2</sup>			
			210.67	Kq/Cm <sup>2</sup>			
			<b>Average</b>	<b>218.98</b>			
3	Cement concrete cube of mix <b>1:2:4</b> , cast on 15/05/2023. For 1st Lift (L.H.S) Ch. 40.00 to 80.00 mt.	28 <sup>th</sup> day compressive strength	215.20	Kq/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.55	Qty represents - 36.00 m3 for two sets of cube.
			203.87	Kq/Cm <sup>2</sup>			
			233.32	Kq/Cm <sup>2</sup>			
			<b>Average</b>	<b>217.47</b>			
4	Cement concrete cube of mix <b>1:2:4</b> , cast on 15/05/2023. For 1st Lift (L.H.S) Ch. 40.00 to 80.00 mt.	28 <sup>th</sup> day compressive strength	219.73	Kq/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.43	--do--
			206.14	Kq/Cm <sup>2</sup>			
			244.65	Kq/Cm <sup>2</sup>			
			<b>Average</b>	<b>223.51</b>			
5	Cement concrete cube of mix <b>1:2:4</b> , cast on 16/05/2023. For 1st Lift (L.H.S) Ch. 80.00 to 120.00 mt.	28 <sup>th</sup> day compressive strength	231.06	Kq/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.91	Qty represents - 36.00 m3 for two sets of cube.
			215.20	Kq/Cm <sup>2</sup>			
			208.40	Kq/Cm <sup>2</sup>			
			<b>Average</b>	<b>218.22</b>			

Junior Engineer

Assistant Engineer

**REPORT PAGE 02 OF 02**

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 16/05/2023. For 1st Lift (L.H.S) Ch. 80.00 to 120.00 mt.	28 <sup>th</sup> day compressive strength	219.73	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.63	Qty represents - 36.00 m3 for two sets of cube.
			203.87	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>219.73</b>			
7	Cement concrete cube of mix <b>1:2:4</b> , cast on 17/05/2023. For 1st Lift (R.H.S) Ch. 0.00 to 40.00 mt.	28 <sup>th</sup> day compressive strength	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	Qty represents - 36.00 m3 for two sets of cube.
			203.87	Kg/Cm <sup>2</sup>			
			222.00	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>220.49</b>			
8	Cement concrete cube of mix <b>1:2:4</b> , cast on 17/05/2023. For 1st Lift (R.H.S) Ch. 0.00 to 40.00 mt.	28 <sup>th</sup> day compressive strength	222.00	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.51	--do--
			215.20	Kg/Cm <sup>2</sup>			
			240.12	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>225.77</b>			
9	Cement concrete cube of mix <b>1:2:4</b> , cast on 18/05/2023. For 1st Lift (R.H.S) Ch. 40.00 to 80.00 mt.	28 <sup>th</sup> day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.59	Qty represents - 36.00 m3 for two sets of cube.
			226.53	Kg/Cm <sup>2</sup>			
			244.65	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>228.04</b>			
10	Cement concrete cube of mix <b>1:2:4</b> , cast on 18/05/2023. For 1st Lift (R.H.S) Ch. 40.00 to 80.00 mt.	28 <sup>th</sup> day compressive strength	203.87	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.43	--do--
			231.06	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>223.51</b>			

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

4. QC Lab File.      5. Bill File.

**Junior Engineer**

**Assistant Engineer**