

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :773,774,780,781,,789,790,796,797,820,821,827/ Lab / **225** / 2020 - 21 Dated:- 02/ 02 / 2021.

Laboratory : Bicholim - Goa.

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

**Name of work : Construction of Protection wall of nalla on both sides from main road to Sagun Sinari House and Govind Parab house to shekri, at Pimpalwada,Amona in Bicholim Taluka.**

Ref. to Requisition No.:F.211/WRD/WDVI/SDI/475/2020-21 Dated :- 25/ 01 / 2021.

Qty. Recived. :11 Sets of cube Date of Receipt:- 25/ 01 / 2021. Tested on: - 25,26,27,28,29 & 30/01/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. : 4790,4791,4798,4799,4807,4808,4817,4818,4842,4843,4850 Lab. Sample No.: 207 to 219 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

(L.S NO. 207 & 208 lapsed & posted for 28th day test.)

**REPORT PAGE 01 OF 02**

<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>
1	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 18/01/2021. For Foundation of L.H.S wall from ch 140m to ch 150m.	7 <sup>th</sup> day compressive strength	158.57	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	5.17	Qty represents - 16.50 Cum.
			147.24	Kg/Cm <sup>2</sup>			
			135.92	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>147.24</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 18/01/2021. For 2nd step R.H.S wall from ch 120m to ch 130m.	7 <sup>th</sup> day compressive strength	144.98	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	6.25	Qty represents - 9.00 Cum.
			147.24	Kg/Cm <sup>2</sup>			
			154.04	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>148.75</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 19/01/2021. For 2nd step R.H.S wall from ch 130m to ch 140m.	7 <sup>th</sup> day compressive strength	140.45	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	4.09	Qty represents - 9.00 Cum.
			156.30	Kg/Cm <sup>2</sup>			
			140.45	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>145.73</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 19/01/2021. For 1st step L.H.S wall from ch 120m to ch 130m.	7 <sup>th</sup> day compressive strength	154.04	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	5.71	Qty represents -13.50 Cum.
			142.71	Kg/Cm <sup>2</sup>			
			147.24	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>148.00</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 20/01/2021. For 2nd step R.H.S wall from ch 140m to ch 150m.	7 <sup>th</sup> day compressive strength	135.92	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	3.55	Qty represents - 9.00 Cum.
			147.24	Kg/Cm <sup>2</sup>			
			151.77	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>144.98</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 20/01/2021. For Foundation of L.H.S wall from ch 150m to ch 160m.	7 <sup>th</sup> day compressive strength	140.45	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	8.95	Qty represents - 16.50 Cum.
			160.83	Kg/Cm <sup>2</sup>			
			156.30	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>152.53</b>	<b>Kg/Cm<sup>2</sup></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
7	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 21/01/2021. For 1st step L.H.S wall from ch 130m to ch 140m.	7 <sup>th</sup> day compressive strength	147.24	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	10.03	Qty represents - 13.50 Cum.
			167.63	Kg/Cm <sup>2</sup>			
			147.24	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>154.04</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 21/01/2021. For 2nd step L.H.S wall from ch 120m to ch 130m.	7 <sup>th</sup> day compressive strength	172.16	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	11.11	Qty represents - 9.00 Cum.
			154.04	Kg/Cm <sup>2</sup>			
			140.45	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>155.55</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 22/01/2021. For 1st step L.H.S wall from ch 140m to ch 150m.	7 <sup>th</sup> day compressive strength	140.45	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	5.17	Qty represents - 13.50 Cum.
			158.57	Kg/Cm <sup>2</sup>			
			142.71	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>147.24</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 22/01/2021. For 2nd step L.H.S wall from ch 130m to ch 140m.	7 <sup>th</sup> day compressive strength	142.71	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	2.48	Qty represents - 9.00 Cum.
			147.24	Kg/Cm <sup>2</sup>			
			140.45	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>143.47</b>	<b>Kg/Cm<sup>2</sup></b>			
11	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 23/01/2021. For 2nd step R.H.S wall from ch 150m to ch 160m.	7 <sup>th</sup> day compressive strength	158.57	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	6.25	Qty represents - 9.00 Cum.
			133.65	Kg/Cm <sup>2</sup>			
			154.04	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>148.75</b>	<b>Kg/Cm<sup>2</sup></b>			

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

4. QC Lab File.        5. Bill File.

Junior Engineer

Assistant Engineer