

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3002 to 3004,3019 to 3021,3030 to 3035,3040 & 3041/ Lab /273/ 2021 - 22 Dated:- 02/ 02/2022. Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Construction of Protection wall for 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.226/WRD/WDVI/SDI/430/21-22 Dt.:- 15/ 01/ 2022

Qty. Recived. : 14 Sets of cube Date of Receipt:- 15/01/ 2022. Tested on: -20,21,22,23 & 24/01/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix PCC 1:2:4 O.S No. :7413 to 7415,7430 to 7432,7443 to 7448,7458 & 7459/SS Lab. Sample No.: 2737 To 2750 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

**REPORT PAGE 01 OF 03**

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Valu e permissable	% above or below	REMARK
1	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 23/12/2021. PCC for foundation of R.H.S wall from Ch 410m to Ch 420m	28 <sup>th</sup> day compressive strength	215.20	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	Qty represents - 18.00 Cum.
			237.85	Ka/Cm <sup>2</sup>			
			208.40	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>220.49</b>	<b>Ka/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix 1 : 2: 4, cast on 23/12/2021. PCC for foundation of L.H.S wall from Ch 410m to Ch 420m	28 <sup>th</sup> day compressive strength	215.20	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.63	Qty represents - 18.00 Cum.
			208.40	Ka/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>219.73</b>	<b>Ka/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 23/12/2021. PCC for 1st step of L.H.S wall from Ch 370m to Ch 390m	28 <sup>th</sup> day compressive strength	233.32	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.91	Qty represents - 27.00 Cum.
			217.47	Ka/Cm <sup>2</sup>			
			203.87	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>218.22</b>	<b>Ka/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 24/12/2021. PCC for 1st step of R.H.S wall from Ch 370m to Ch 390m	28 <sup>th</sup> day compressive strength	226.53	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	12.90	Qty represents - 27.00 Cum.
			262.77	Ka/Cm <sup>2</sup>			
			222.00	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>237.10</b>	<b>Ka/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 24/12/2021. PCC for foundation of R.H.S wall from Ch 420m to Ch 430m	28 <sup>th</sup> day compressive strength	203.87	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	5.71	Qty represents - 18.00 Cum.
			226.53	Ka/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>222.00</b>	<b>Ka/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 03

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min. Value permissible	% above or below	REMARK
6	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 24/12/2021.PCC for foundation of L.H.S wall from Ch 420m to Ch 430m	28 <sup>th</sup> day compressive strength	260.51	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	11.82	Qty represents - 18.00 Cum.
			226.53	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>			
7	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 25/12/2021. PCC for 1st step of L.H.S wall from Ch 390m to Ch 410m	28 <sup>th</sup> day compressive strength	203.87	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.87	Qty represents - 27.00 Cum.
			226.53	Kg/Cm <sup>2</sup>			
			249.18	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>226.53</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 25/12/2021. PCC for 1st step of R.H.S wall from Ch 390m to Ch 410m	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.51	Qty represents - 27.00 Cum.
			237.85	Kg/Cm <sup>2</sup>			
			212.93	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 25/12/2021. PCC for foundation of R.H.S wall from Ch 430m to Ch 440m	28 <sup>th</sup> day compressive strength	215.20	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	Qty represents - 18.00 Cum.
			219.73	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 26/12/2021. PCC for foundation of L.H.S wall from Ch 430m to Ch 440m	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.27	Qty represents - 18.00 Cum.
			217.47	Kg/Cm <sup>2</sup>			
			208.40	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 26/12/2021. PCC for 2nd step of R.H.S wall from Ch 370m to Ch 400m	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.63	Qty represents - 27.00 Cum.
			215.20	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>219.73</b>	<b>Kg/Cm<sup>2</sup></b>			
12	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 26/12/2021. PCC for 2nd step of L.H.S wall from Ch 370m to Ch 400m	28 <sup>th</sup> day compressive strength	222.00	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.15	Qty represents - 27.00 Cum.
			215.20	Kg/Cm <sup>2</sup>			
			237.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>225.02</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

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**REPORT PAGE 03 OF 03**

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
13	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 27/12/2021. PCC for 1st step of L.H.S wall from Ch 410m to Ch 425m	28 <sup>th</sup> day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.51	Qty represents - 20.00 Cum.
			237.85	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>225.77</b>	<b>Kg/Cm<sup>2</sup></b>			
14	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 27/12/2021. PCC for 1st step of R.H.S wall from Ch 410m to Ch 425m	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 - 20.00 Cum.
			226.53	Kg/Cm <sup>2</sup>			
			222.00	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>228.79</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD I , WDVI , 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.

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