

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2524,2525,2535,2536,2546,2547,/ Lab / **158**/ 2021 - 22 Dated:-14/07/ 2021. Laboratory : Bicholim - Goa.

2558,2559,2563,2564,2572,2573

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

**Name of work :Construction of protection wall for nallah bank in Sy.No. 1,3,4,16 in Oxel in Siolim Constituency.**

Ref. to Requisition No.: SDI/WDI/WRD/F.57/21-22/111 Dated :- 15/ 06/ 2021.

Qty. Received. : 12 Sets of cube Date of Receipt:- 06/ 07 / 2021. Tested on: -06,07,08,09,10,12/07/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1: 2: 4 O.S No. :6771,6772,6783,6784,6794,6795,6806,6807,6811,6812,6820,6821/SS Lab. Sample No.: 2056 to 2067 Tested By: Mrs.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 08/06/2021. For 1 <sup>st</sup> and 2 <sup>nd</sup> Lift.	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 -35.00 Cum for two sets of cubes.
			219.73	Kg/Cm <sup>2</sup>			
			215.20	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 08/06/2021. For 1 <sup>st</sup> and 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.87	----- do -----
			222.00	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>226.53</b>			
3	Cement concrete cube of mix <b>1:2:4</b> , cast on 09/06/2021. For 1 <sup>st</sup> and 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	240.12	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.15	Qty represents -38.00 Cum for two sets of cubes.
			215.20	Kg/Cm <sup>2</sup>			
			219.73	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>225.02</b>			
4	Cement concrete cube of mix <b>1:2:4</b> , cast on 09/06/2021. For 1 <sup>st</sup> and 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	13.26	----- do -----
			237.85	Kg/Cm <sup>2</sup>			
			244.65	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>237.85</b>			
5	Cement concrete cube of mix <b>1:2:4</b> , cast on 10/06/2021. For Foundation & Plinth.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.27	Qty represents -36.00 Cum for two sets of cubes.
			212.93	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>218.98</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 10/06/2021. For Foundation & Plinth.	28 <sup>th</sup> day compressive strenath	215.20	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.15	Qty represents -36.00 Cum for two sets of cubes.
			219.73	Kg/Cm <sup>2</sup>			
			240.12	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>225.02</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Cement concrete cube of mix <b>1:2:4</b> , cast on 11/06/2021. For Foundation & Plinth.	28 <sup>th</sup> day compressive strength	222.00	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	5.35	Qty represents - 33.00 Cum for two sets of cubes.
			233.32	Kg/Cm <sup>2</sup>			
			208.40	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>221.24</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1:2:4</b> , cast on 11/06/2021. For Foundation & Plinth.	28 <sup>th</sup> day compressive strenath	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.43	----- do -----
			215.20	Kg/Cm <sup>2</sup>			
			228.79	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>223.51</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>1:2:4</b> , cast on 12/06/2021. For 1 <sup>st</sup> and 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	9.31	Qty represents - 35.00 Cum for two sets of cubes.
			217.47	Kg/Cm <sup>2</sup>			
			233.32	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>229.55</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>1:2:4</b> , cast on 12/06/2021. For 1 <sup>st</sup> and 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	210.67	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.55	----- do -----
			226.53	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>			
11	Cement concrete cube of mix <b>1:2:4</b> , cast on 14/06/2021. For 1 <sup>st</sup> and 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.23	Qty represents - 38.00 Cum for two sets of cubes.
			233.32	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>227.28</b>	<b>Kg/Cm<sup>2</sup></b>			
12	Cement concrete cube of mix <b>1:2:4</b> , cast on 14/06/2021. For 1 <sup>st</sup> and 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	2.48	----- do -----
			210.67	Kg/Cm <sup>2</sup>			
			222.00	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>215.20</b>	<b>Kg/Cm<sup>2</sup></b>			

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

4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer