

**GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD / QC / F.6-2 / Cube -T :7869,7870,7873,7874,7877,7878,7881, / Lab / **266** / 2019 - 20      Dated:- 13/ 08 / 2019      Laboratory : Bicholim - Goa.  
7888,7889 & 7892      Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of Work: - Improvement to the retaining wall near the Pond at Sequeira Vaddo Candolim.**

Ref. to Requisition No.: SDII/WDI/WRD/ F.24 /2019-20/229    dated :-16/07/2019.

Qty. Recived. : 10 Sets of cube      Date of Receipt: 22/07/2019.      Tested on: 05/08/2019 to 13/08/2019 as per due dates .      Ref to CPWD :2002, Vol. I

Sample: Cube 1:2:4 Mix      O.S No. :2672,2673,2676,2677,2680,2681,2682/SS, 1067,1068/AF & 2689 /SS      Lab. Sample No.: 6699 & 6708

Tested By: Mrs. S.B. Naik Shirodkar, JE & Mr. Anil R. Fadte, JE.

**REPORT PAGE 01 OF 02**

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix 1:2:4 , cast on 08/07/2019 for Foundation.	28 <sup>th</sup> day compressive strength	233.32	Kg/Cm2	210 kg/cm2	4.27	1) Quantity represented 30.00 cum for two sets of cubes. 2) Exact location of work done is not specified.
			219.73	Kg/Cm2			
			203.87	Kg/Cm2			
		<b>Average</b>	<b>218.98</b>	<b>Kg/Cm2</b>			
2	Cement concrete cube of mix 1:2:4 , cast on 08/07/2019 for Foundation.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210 kg/cm2	5.35	----- do -----
			215.20	Kg/Cm2			
			222.00	Kg/Cm2			
		<b>Average</b>	<b>221.24</b>	<b>Kg/Cm2</b>			
3	Cement concrete cube of mix 1:2:4 , cast on 09/07/2019 for Foundation.	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm2	210 kg/cm2	4.99	1) Quantity represented 28.00 cum for two sets of cubes. 2) Exact location of work done is not specified.
			224.26	Kg/Cm2			
			206.14	Kg/Cm2			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm2</b>			
4	Cement concrete cube of mix 1:2:4 , cast on 09/07/2019 for Foundation.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm2	210 kg/cm2	5.71	----- do -----
			224.26	Kg/Cm2			
			203.87	Kg/Cm2			
		<b>Average</b>	<b>222.00</b>	<b>Kg/Cm2</b>			
5	Cement concrete cube of mix 1:2:4 , cast on 11/07/2019 for 1 <sup>st</sup> Lift.	28 <sup>th</sup> day compressive strength	208.40	Kg/Cm2	210 kg/cm2	4.63	1) Quantity represented 30.00 cum for two sets of cubes. 2) Exact location of work done is not specified.
			226.53	Kg/Cm2			
			224.26	Kg/Cm2			
		<b>Average</b>	<b>219.73</b>	<b>Kg/Cm2</b>			
6	Cement concrete cube of mix 1:2:4 , cast on 11/07/2019 for 1 <sup>st</sup> Lift.	28 <sup>th</sup> day compressive strength	235.59	Kg/Cm2	210 kg/cm2	7.87	----- do -----
			217.47	Kg/Cm2			
			226.53	Kg/Cm2			
		<b>Average</b>	<b>226.53</b>	<b>Kg/Cm2</b>			

Junior Engineer

Assistant Engineer

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Cement concrete cube of mix 1:2:4 , cast on 12/07/2019 for 1 <sup>st</sup> Lift.	28 <sup>th</sup> day compressive strength	208.40	Kg/Cm2	210 kg/cm2	6.79	1) Quantity represented 20.00 cum. 2) Exact location of work done is not specified.
			246.91	Kg/Cm2			
			217.47	Kg/Cm2			
		Average	224.26	Kg/Cm2			
8	Cement concrete cube of mix 1:2:4 , cast on 15/07/2019 for 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	206.14	Kg/Cm2	210 kg/cm2	5.71	1) Quantity represented 33.00 cum for two sets of cubes. 2) Exact location of work done is not specified.
			237.85	Kg/Cm2			
			222.00	Kg/Cm2			
		Average	222.00	Kg/Cm2			
9	Cement concrete cube of mix 1:2:4 , cast on 15/07/2019 for 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	224.26	Kg/Cm2	210 kg/cm2	9.31	----- do -----
			228.79	Kg/Cm2			
			235.59	Kg/Cm2			
		Average	229.55	Kg/Cm2			
10	Cement concrete cube of mix 1:2:4 , cast on 16/07/2019 for 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210 kg/cm2	6.43	1) Quantity represented 16.00 cum. 2) Exact location of work done is not specified.
			210.67	Kg/Cm2			
			233.32	Kg/Cm2			
		Average	223.51	Kg/Cm2			

- Copy to: 1. The Assistant Engineer ,SD II,WD I,WRD, Mapusa - 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