

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T :7344,7367,7382,7413,7449 / Lab / **226** / 2019 - 20

Dated:-04 / 07 / 2019

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

**Name of Work: - Improvement to nallah and construction of protection of wall to both sides nallah from Shri. Gurudas Gad field to Shri. Ravindra. Naik. field and construction of footbridge at Mencurem in Bicholim Taluka.**

Ref. to Requisition No.: WRD/WD VI/SD I /W.F.213 /2019-20/ **160** Dated :- 29-05-2019

Qty. Recived. : 05 Sets of cube Date of Receipt: - 29/05/2019. Tested on: -20,21,22,24,25 /06/2019 Ref to CPWD :2002, Vol. I

Sample: PCC 1 : 2 : 4 & 1 : 3 : 6 Mix O.S No. : 922, 937, 952,/AF, 2312, 2348/SS. Lab. Sample No.: 4958 To 4962. Tested By: - Mr. Anil R. Fadte. J.E. & Mrs. S. B. Naik Shirodkar. J.E. **Cubes tested on 22/06/2019 has been witnessed by Mr. Kamalakant S. Majik, J.E. of S.D. I,W.D.VI,W.R.D.,Bicholim-Goa**

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 23 / 05 /2019, PCC for band . Represents Qty - 19.00 Cum.	28 <sup>th</sup> day compressive strength	262.77	Kg/Cm2	210 kg/cm2	21.89	-
			244.65	Kg/Cm2			
			260.51	Kg/Cm2			
		<b>Average</b>	<b>255.97</b>	<b>Kg/Cm2</b>			
2	Plain Cement concrete cube of mix 1 : 3 : 6, cast on 24 / 05 /2019, PCC for boulder masonry . Represents Qty - 18.00 Cum.	28 <sup>th</sup> day compressive strength	124.59	Kg/Cm2	100 kg/cm2	19.30	-
			111.00	Kg/Cm2			
			122.32	Kg/Cm2			
		<b>Average</b>	<b>119.30</b>	<b>Kg/Cm2</b>			
3	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 25 / 05 /2019, PCC for band . Represents Qty - 20.00 Cum.	28 <sup>th</sup> day compressive strength	203.87	Kg/Cm2	210 kg/cm2	3.55	-
			206.14	Kg/Cm2			
			242.38	Kg/Cm2			
		<b>Average</b>	<b>217.47</b>	<b>Kg/Cm2</b>			
4	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 27 / 05 /2019, PCC for band . Represents Qty - 16.00 Cum.	28 <sup>th</sup> day compressive strength	249.18	Kg/Cm2	210 kg/cm2	18.30	-
			260.51	Kg/Cm2			
			235.59	Kg/Cm2			
		<b>Average</b>	<b>248.42</b>	<b>Kg/Cm2</b>			
5	Plain Cement concrete cube of mix 1 : 3 : 6, cast on 28 / 05 /2019, PCC for boulder masonry . Represents Qty - 15.00 Cum.	28 <sup>th</sup> day compressive strength	124.59	Kg/Cm2	100 kg/cm2	24.59	-
			135.92	Kg/Cm2			
			113.26	Kg/Cm2			
		<b>Average</b>	<b>124.59</b>	<b>Kg/Cm2</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 ,WDVI, WRD, Bicholim - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer