

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 2145,2165,2193 / Lab / **104** / 2021 - 22 Dated:-10/06/ 2021. Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work :Desilting of Rivulets /Poi, Agriculture fields and reconstruction of existing sluice in Savat Khazan and kharat khazan field at Shirgao in Bicholim Taluka.**

**Sub Est.IV:-Reconstruction of sluice (Near Mharingan Temple) in Kharat Khazan at Shirigao village in Bicholim Taluka.**

Ref. to Requisition No.: F.36/SDIII/WDVI/WRD/2021-22/46 Dated :- 03/ 06/ 2021.

Qty. Received. :03 Sets of cube Date of Receipt:- 03/06/ 2021. Tested on: -04,06 & 08/06/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix PCC 1:2:4 & RCC 1:1.5:3 O.S No. : 6375,6396,6424/SS Lab. Sample No.: 1687 TO 1689 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 28/05/2021. P.C.C. for LHS Abutment of retaining wall.	7 <sup>th</sup> day compressive strength	158.57	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	11.65	1)Qty represents -15.00 Cum. 2)28th day test due on 25/06/2021
			149.51	Kg/Cm <sup>2</sup>			
			160.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>156.30</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1:2:4</b> , cast on 30/05/2021. P.C.C. for RHS Abutment of retaining wall.	7 <sup>th</sup> day compressive strength	156.30	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	11.11	1)Qty represents -14.00 Cum. 2)28th day test due on 27/06/2021
			163.10	Kg/Cm <sup>2</sup>			
			147.24	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>155.55</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 01/06/2021. R.C.C. for Pier of sluice gate.	7 <sup>th</sup> day compressive strength	192.55	Kg/Cm <sup>2</sup>	175.00 Kg/cm <sup>2</sup>	15.20	1)Qty represents -5.00 Cum. 2)28th day test due on 29/06/2021
			212.93	Kg/Cm <sup>2</sup>			
			199.34	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>201.61</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD III , WD VI, WRD,Mulgao - 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