

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :7951,7952 & 7954 / Lab / 301 / 2019 - 20

Dated:- 18/ 11 / 2019 Laboratory : Bicholim - Goa.

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

**Name of Work: - Construction of Nallah protection wall from Diago Cardos House up to Harmal Beach at Khalchawada in Mandrem Constituency at Village Harmal in Pernem Taluka.**

Ref. to Requisition No.: MI/SDIII/WDI/WRD/F. 58/2019-20/221

Dated: 16/10/2019.

Qty. Recived. : Ultratech Cement .

Date of Receipt: 17/10/2019.

Tested on: 15/11/2019 & 18/11/2019.

Ref to CPWD :2002, Vol. I

Sample: Cube 1:3:6,1:2:4 & 1:1.5:3 Mix

O.S No. :2720 /SS.

Lab. Sample No.: 6845

Tested By: Mrs. S.B. Naik Shirodkar. J.E.

**REPORT PAGE 01 OF 01**

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min. Value permissable	% above or below	REMARK
1	Cement concrete cube of <b>mix 1:3:6</b> , cast on 18/10/2019. Casted in this laboratory with materials such as Aggregate , Sand and Cement brought by the agency.	28 <sup>th</sup> day compressive strength	163.10	Kg/Cm2	100 kg/cm2	48.75	Recomanded blending ratio of coarsed aggregate ie: <b>1:2</b> by wieght is followed, with water cement ratio of 0.50. All other ingredient of concrete are added by wieght .
			147.24	Kg/Cm2			
			135.92	Kg/Cm2			
		<b>Average</b>	<b>148.75</b>	<b>Kg/Cm2</b>			
2	Cement concrete cube of <b>mix 1:2:4</b> , cast on 18/10/2019. Casted in this laboratory with materials such as Aggregate , Sand and Cement brought by the agency.	28 <sup>th</sup> day compressive strength	260.51	Kg/Cm2	210 kg/cm2	22.25	--- do ---
			271.83	Kg/Cm2			
			237.85	Kg/Cm2			
		<b>Average</b>	<b>256.73</b>	<b>Kg/Cm2</b>			
3	Cement concrete cube of <b>mix 1:1.5:3</b> , cast on 21/10/2019. Casted in this laboratory with materials such as Aggregate , Sand and Cement brought by the agency.	28 <sup>th</sup> day compressive strength	335.26	Kg/Cm2	265 kg/cm2	21.67	--- do ---
			330.73	Kg/Cm2			
			301.28	Kg/Cm2			
		<b>Average</b>	<b>322.42</b>	<b>Kg/Cm2</b>			

Copy to: 1. The Assistant Engineer ,SD III,WD I,WRD, Pernem - 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