

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 6247,6248,6263,6264,6266,6267,6276/Lab/298/2022 - 23 Dated:- 06/03/2023. Laboratory : Bicholim - Goa.

6277,6287,6296,6300,6301,6314,6315,6316.

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

Name of work : Construction of Protection wall on Valvanti River in property bearing Sy. No. 75/1, at Tulshimal, Poriem in Sattari Taluka.

Ref. to Requisition No : F.50/SDIV/WDVI/WRD/2022-23/192 Dt.:- 16/02/2023

Qty. Recived : 15 Sets of cube Date of Receipt:- 16/02/2023. Tested on: 21,22,23,24,25,27,28/02/2023 & 01,02,03/03/2023 as per due dates.Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 974/RK & 265,266,262,263,286,287,296,297,313,318,319,337,338,339/SS.

Lab. Sample No: 6291 to 6305

Tested By: Mrs. R.R. Kadam A.E & Mrs. S. B. Naik Shirodkar J.E.

REPORT PAGE 01 OF 03

SR. NO	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 24/01/2023. For 1st Lift Ch. 70.00 To 85.00mt.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	2.48	Qty represents - 35.10 M3 for two sets of cube.
			215.20	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	215.20	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 24/01/2023. For 1st Lift Ch. 70.00 To 85.00mt.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	15.42	---do--
			235.59	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	242.38	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 25/01/2023. For 1st Lift Ch. 85.00 To 98.50mt.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 31.59 M3 for two sets of cube.
			215.20	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 25/01/2023. For 1st Lift Ch. 85.00 To 98.50mt.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	2.84	---do--
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	215.95	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 03

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
5	Cement concrete cube of mix 1:2:4 , cast on 26/01/2023. For 2nd Lift Ch. 70.00 To 85.00mt.	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	19.02	Qty represents - 27.67 M3 for two sets of cube.
			244.65	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	249.93	Kg/Cm²			
6	Cement concrete cube of mix 1:2:4 , cast on 26/01/2023. For 2nd Lift Ch. 70.00 To 85.00mt.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	8.23	---do--
			231.06	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 27/01/2023. For 2nd Lift Ch. 85.00 To 98.50mt.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents - 24.91 M3 for two sets of cube.
			226.53	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	233.32	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 27/01/2023. For 2nd Lift Ch. 85.00 To 98.50mt.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	13.98	---do--
			244.65	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	239.36	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 28/01/2023. For 3rd Lift Ch. 70.00 To 85.00mt.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 20.25 M3.
			224.26	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 30/01/2023. For 3rd Lift Ch. 85.00 To 98.50mt.	28 th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 18.22 M3.
			231.06	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 31/01/2023. For 4th Lift Ch. 70.00 To 98.50mt.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 28.50 M3 for two sets of cube.
			219.73	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 31/01/2023. For 4th Lift Ch. 70.00 To 98.50mt.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.27	---do--
			210.67	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	218.98	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 03 OF 03

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
13	Cement concrete cube of mix 1:2:4 , cast on 01/02/2023. For 5th Lift Ch. 0.00 To 30.00mt.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 08.25 M3.
			215.20	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
14	Cement concrete cube of mix 1:2:4 , cast on 02/02/2023. For 5th Lift Ch. 30.00 To 60.00mt.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	21.17	Qty represents - 07.50 M3.
			244.65	Kg/Cm ²			
			260.51	Kg/Cm ²			
		Average	254.46	Kg/Cm²			
15	Cement concrete cube of mix 1:2:4 , cast on 03/02/2023. For 5th Lift Ch. 60.00 To 98.50mt.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 09.62 M3.
			240.12	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	228.79	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD IV , WD VI, WRD, Sarvan 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 , WD VI, WRD, Sarvan Bicholim - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer