

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 6115,6116,6117,6118/Lab/278/2022 - 23 Dated:- 16/02/2023.
6119,6120,6137,6148.

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

Name of work : Construction of 30 MLD Raw Water Pumping Station at Calangute on Calangute distributary of Tillari Canal for Pilerne Industrial Estate and Surrounding Villages of Calangute and Saligao.

Ref. to Requisition No : SDV/WDI/WRD/F.27/2022-23/241 dated :- 08/02/2023.

Qty. Recived : 08 Set of cube Date of Receipt:- 09/02/2023 Tested on: - 09,10 & 11/02/2023 . Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M25 & 1:1.5:3** O.S No : 129,130,131,132,133,134,156,170/SS Lab. Sample No: 6198 To 6205. Tested By: Mrs. S.B. Naik Shirodkar. J.E.

REPORT PAGE 01 OF 02

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix M25 , Cast on 12/01/2023. For Side walls of delivery tank - 2nd Lift.	28 th day compressive strength	321.67	Kg/Cm ²	290.00 Kg/cm ²	12.74	Qty represents - 120.00 cum. for Six Sets of Cube.
			319.40	Kg/Cm ²			
			339.79	Kg/Cm ²			
		Average	326.95	Kg/Cm²			
2	Cement concrete cube of mix M25 , Cast on 12/01/2023. For Side walls of delivery tank - 2nd Lift.	28 th day compressive strength	312.61	Kg/Cm ²	290.00 Kg/cm ²	11.96	-----do-----
			323.93	Kg/Cm ²			
			337.52	Kg/Cm ²			
		Average	324.69	Kg/Cm²			
3	Cement concrete cube of mix M25 , Cast on 12/01/2023. For Side walls of delivery tank - 2nd Lift.	28 th day compressive strength	328.46	Kg/Cm ²	290.00 Kg/cm ²	20.29	-----do-----
			355.65	Kg/Cm ²			
			362.44	Kg/Cm ²			
		Average	348.85	Kg/Cm²			
4	Cement concrete cube of mix M25 , Cast on 12/01/2023. For Side walls of delivery tank - 2nd Lift.	28 th day compressive strength	362.44	Kg/Cm ²	290.00 Kg/cm ²	18.73	-----do-----
			344.32	Kg/Cm ²			
			326.20	Kg/Cm ²			
		Average	344.32	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 02

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Cement concrete cube of mix M25 , Cast on 12/01/2023. For Side walls of delivery tank - 2nd Lift.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	5.45	Qty represents - 120.00 cum. for Six Sets of Cube.
			305.81	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	305.81	Kg/Cm²			
6	Cement concrete cube of mix M25 , Cast on 12/01/2023. For Side walls of delivery tank - 2nd Lift.	28 th day compressive strength	296.75	Kg/Cm ²	290.00 Kg/cm ²	6.75	-----do-----
			317.14	Kg/Cm ²			
			314.87	Kg/Cm ²			
		Average	309.59	Kg/Cm²			
7	Cement concrete cube of mix 1:1.5:3 , Cast on 13/01/2023. For RCC Columns of walk way, Aerator shaft, Pump house Columns.	28 th day compressive strength	253.71	Kg/Cm ²	265.00 Kg/cm ²	2.01	Qty represents - 5.00 cum.
			269.57	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	270.32	Kg/Cm²			
8	Cement concrete cube of mix 1:1.5:3 , Cast on 14/01/2023. For RCC Columns of walk way, Aerator shaft, Pump house Columns.	28 th day compressive strength	269.57	Kg/Cm ²	265.00 Kg/cm ²	6.57	Qty represents - 4.00 cum.
			283.16	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	282.40	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD V , WD I, WRD, Porvorim - 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