

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 5048,5049,5064,5096,5109,5134,/ Lab /145/ 2022 - 23 Dated:- 11/ 07/2022.
5142,5143,5160,5172,5186,5195 & 5251

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

Name of work :Improvement and protection of Intake to Lift Irrigation Scheme at Nayawada, Ansolem V.P. Bhironda in Sattari Taluka.

Ref. to Requisition No.: MIN/WDVI/WRD/SDII/f-62/22-23/126 Dt.:- 17/06/ 2022

Qty. Received. : 13 Sets of cube Date of Receipt:- 18/06/ 2022. Tested on: - 20,21,23,24,27,28,29 & 30/06/2022, 01,02 & 08/07/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample:Cube Mix **1:2:4 & 1:1.5:3** O.SNo.:9022,9023,9038,9070,9083,9108,9116 & 9117/SS, 0806/R.K, 9124,9138,9147 & 9203/SS Lab. Sample No.: **4987 to 4999** Tested By: Mrs. R. R. Kadam A.E. & Mrs. S.B. Naik Shirodkar. J.E.

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Valu e permissable	% above or below	REMARK
1	Cement concrete cube of mix 1:2:4 , cast on 23/05/2022. PCC for Intake chamber bed.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents - 28.00 m3.
			219.73	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	233.32			
2	Cement concrete cube of mix 1:2:4 , cast on 23/05/2022. PCC for Wall bed.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 10.00 m3.
			208.40	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	222.00			
3	Cement concrete cube of mix 1:2:4 , cast on 24/05/2022. PCC for Intake pipe bed.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 8.00 m3.
			219.73	Kg/Cm ²			
			251.44	Kg/Cm ²			
			Average	227.28			
4	Cement concrete cube of mix 1:2:4 , cast on 26/05/2022. PCC for Wall foundation.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 26.00 m3.
			208.40	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	226.53			
5	Cement concrete cube of mix 1:2:4 , cast on 27/05/2022. PCC for Wall foundation.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 27.00 m3.
			219.73	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	219.73			
6	Cement concrete cube of mix 1:2:4 , cast on 30/05/2022. PCC for Wall above foundation 1 st Lift.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 18.00 m3.
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	226.53			

Junior Engineer

Assistant Engineer

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min. Value permissible	% above or below	REMARK
7	Cement concrete cube of mix 1:2:4 , cast on 31/05/2022. PCC for Wall above foundation 1 st Lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 22.00 m3.
			210.67	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	217.47			
8	Cement concrete cube of mix 1:1.5:3 , cast on 31/05/2022. PCC for Intake chamber base.	28 th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	3.43	Qty represents - 15.00 m3.
			292.22	Kg/Cm ²			
			258.24	Kg/Cm ²			
			Average	274.10			
9	Cement concrete cube of mix 1:2:4 , cast on 01/06/2022. PCC for Wall Above foundation 2 nd lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	11.82	Qty represents - 26.00 m3.
			219.73	Kg/Cm ²			
			258.24	Kg/Cm ²			
			Average	234.83			
10	Cement concrete cube of mix 1:2:4 , cast on 02/06/2022. PCC for Wall Above foundation 3 rd lift.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 18.00 m3.
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	242.38			
11	Cement concrete cube of mix 1:1.5:3 , cast on 03/06/2022. RCC for Intake chamber wall.	28 th day compressive strength	258.24	Kg/Cm ²	265.00 Kg/cm ²	2.86	Qty represents - 13.00 m3.
			283.16	Kg/Cm ²			
			276.36	Kg/Cm ²			
			Average	272.59			
12	Cement concrete cube of mix 1:1.5:3 , cast on 04/06/2022. RCC for Intake chamber wall.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	4.86	Qty represents - 13.00 m3.
			258.24	Kg/Cm ²			
			292.22	Kg/Cm ²			
			Average	277.87			
13	Cement concrete cube of mix 1:1.5:3 , cast on 10/06/2022. RCC for Intake chamber Slab.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	3.43	Qty represents - 11.00 m3.
			258.24	Kg/Cm ²			
			280.89	Kg/Cm ²			
			Average	274.10			

Copy to: 1. The Assistant Engineer , SD II , WDV1 , WRD,Valpoi-Sattari - 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