

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :3059,3060,3063 to 3066,3017,3072,3075,3076,3079,3080/Lab/**280**/ 2021 - 22 Dated:-03/02/2022. Laboratory : Bicholim - Goa.
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work :Construction of pump house, rising main and allied structures for pumping water from ch 7.190 km to ch 8.002 km and gravity main from ch 8.002 km to ch 8.780 km of B-6 distributory of R.B.M.C of T.I.P. at Ugvem in Pednem Taluka.

Ref. to Requisition No.:SDII/WDVII/WRD/F.18/2021-22/101 Dt.:- 31/ 12/ 2021

Qty. Recived. : 12 Sets of cube Date of Receipt:- 25/ 01/ 2022. Tested on: -25,26,27 & 28/01/2022 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. : 7484,7485,7488 to 7491, 7500,7501,7504,7505,7514 & 7515/SS. Lab. Sample No.: 2813 To 2824 Tested By: Mrs. Shirodkar. J.E.

Cube test report witnessed by R. Thirupathi, representative by Agency M/s. South East Construction Company Pvt. Ltd.

REPORT PAGE 01 OF 02

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 28/12/2021. PCC For Footing anchor block thrust block.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents - 15.00 Cum.
			219.73	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	215.95	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 :4 , cast on 28/12/2021. PCC For Footing Retaining wall and chamber.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 15.00 Cum.
			215.20	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
3	Cement concrete cube of mix 1 : 1.5: 3 , cast on 29/12/2021. RCC For Anchor block for 450 mm escape pipeline.	28 th day compressive strength	285.42	Kg/Cm ²	265.00 Kg/cm ²	3.43	Qty represents - 14.00 Cum.
			258.24	Kg/Cm ²			
			278.63	Kg/Cm ²			
		Average	274.10	Kg/Cm²			
4	Cement concrete cube of mix 1 : 1.5: 3 , cast on 29/12/2021. RCC For Thrust block for 450 mm pipeline.	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	3.72	Qty represents - 14.00 Cum.
			271.83	Kg/Cm ²			
			258.24	Kg/Cm ²			
		Average	274.85	Kg/Cm²			
5	Cement concrete cube of mix 1 : 1.5: 3 , cast on 29/12/2021. RCC For Chamber at ch.7.190 km and for escape chamber.	28 th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/cm ²	6.28	Qty represents - 14.00 Cum.
			299.01	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	281.65	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 02

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix 1 : 1.5: 3 , cast on 29/12/2021. RCC For escape chamber walls.	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/cm ²	6.57	Qty represents - 14.00 Cum.
			294.48	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	282.40	Kg/Cm²			
7	Cement concrete cube of mix 1 : 1.5: 3 , cast on 30/12/2021. RCC For Chamber at ch 7.190 km and for escape chamber RCC walls.	28 th day compressive strength	262.77	Kg/Cm ²	265.00 Kg/cm ²	3.15	Qty represents - 30.00 Cum for two sets of cubes.
			265.04	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	273.34	Kg/Cm²			
8	Cement concrete cube of mix 1 : 1.5: 3 , cast on 30/12/2021. RCC For Chamber at ch 7.190 km and for escape chamber RCC walls.	28 th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/cm ²	3.15	--do--
			267.30	Kg/Cm ²			
			260.51	Kg/Cm ²			
		Average	273.34	Kg/Cm²			
9	Cement concrete cube of mix 1 : 1.5: 3 , cast on 30/12/2021. For Drain at ch 8.150 km	28 th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	4.00	Qty represents - 30.00 Cum for two sets of cubes.
			283.16	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	275.61	Kg/Cm²			
10	Cement concrete cube of mix 1 : 1.5: 3 , cast on 30/12/2021. For Drain at ch 8.150 km	28 th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	2.01	--do--
			274.10	Kg/Cm ²			
			265.04	Kg/Cm ²			
		Average	270.32	Kg/Cm²			
11	Cement concrete cube of mix 1 : 1.5: 3 , cast on 31/12/2021. RCC For walls.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	1.72	Qty represents - 15.00 Cum for two sets of cubes.
			253.71	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	269.57	Kg/Cm²			
12	Cement concrete cube of mix 1 : 1.5: 3 , cast on 31/12/2021. RCC For walls.	28 th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/cm ²	5.14	--do--
			262.77	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	278.63	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD II , WDVII , WRD,Dhargal-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 VII ,WRD, Dhargal-Pernem- Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer