

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 492 to 494, 508 to 510, 517, / Lab / **199** / 2020 - 21 Dated:-19/01/2021. Laboratory : Bicholim - Goa.

518 & 530 to 532

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 Pernem Taluka.

Ref. to Requisition No.: SDII/WDVII/WRD/F.23/2020-21/120 dt. 24/12/2020.

Qty. Recived. : 11 Sets of cube Date of Receipt:- 26 / 12 / 2020. Tested on: - 01/01/2021 To 06 /01/2021 as per due dates Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:1.5:3, O.S No.4538 to 4540, 4563 to 4565, 4570, 4571 & 4580 to 4582 : /SS. Lab. Sample No.: 9834 TO 9844

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

REPORT PAGE 01 OF 02

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 04/12/2020, R.C.C. for Sump first lift	28 th day compressive strength	328.46	Kg/Cm ²	265.00 Kg/cm ²	17.11	Qty represents - 25.00 Cum. For three sets of cubes
			294.48	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	310.34	Kg/Cm²			
2	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 04/12/2020, R.C.C. for Sump first lift	28 th day compressive strength	326.20	Kg/Cm ²	265.00 Kg/cm ²	18.25	----- do -----
			317.14	Kg/Cm ²			
			296.75	Kg/Cm ²			
		Average	313.36	Kg/Cm²			
3	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 04/12/2020, R.C.C. for Sump first lift	28 th day compressive strength	317.14	Kg/Cm ²	265.00 Kg/cm ²	9.42	----- do -----
			280.89	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	289.95	Kg/Cm²			
4	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 07/12/2020, R.C.C. for retaining wall at ch.6.986 km	28 th day compressive strength	310.34	Kg/Cm ²	265.00 Kg/cm ²	13.69	Qty represents - 15.00 Cum. For three sets of cubes
			303.55	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	301.28	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 02

5	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 07/12/2020, R.C.C. for retaining wall at ch.6.986 km	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	12.27	Qty represents - 15.00 Cum. For three sets of cubes
			303.55	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
6	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 07/12/2020, R.C.C. for retaining wall at ch.6.986 km	28 th day compressive strength	314.87	Kg/Cm ²	265.00 Kg/cm ²	14.83	----- do -----
			285.42	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	304.30	Kg/Cm²			
7	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 08/12/2020, R.C.C. for retaining wall at ch6.986 km	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	16.54	Qty represents - 15.00 Cum. For two sets of cubes
			335.26	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	308.83	Kg/Cm²			
8	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 08/12/2020, R.C.C. for retaining wall at ch6.986 km	28 th day compressive strength	312.61	Kg/Cm ²	265.00 Kg/cm ²	6.57	----- do -----
			258.24	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	282.40	Kg/Cm²			
9	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 09/12/2020, R.C.C. for Sump second lift	28 th day compressive strength	274.10	Kg/Cm ²	265.00 Kg/cm ²	4.86	Qty represents -25.00 Cum. For three sets of cubes
			255.97	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	277.87	Kg/Cm²			
10	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 09/12/2020, R.C.C. for Sump second lift	28 th day compressive strength	301.28	Kg/Cm ²	265.00 Kg/cm ²	9.42	----- do -----
			287.69	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	289.95	Kg/Cm²			
11	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 09/12/2020, R.C.C. for Sump second lift	28 th day compressive strength	303.55	Kg/Cm ²	265.00 Kg/cm ²	6.00	----- do -----
			267.30	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	280.89	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDII , WD VII , 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