

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2257,2258,2259,2265,2266,2267,2278/ Lab / **117** / 2021 - 22 Dated:-21 /06/ 2021. Laboratory : Bicholim - Goa.
,2279,2280,2296,2297,2298,2311,2312,2313 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Barrage and up gradation of Raw water pumping station at Ganjem on Mhadei River for Augmentation of Raw water for Opa water works. Part II- Upgradation of pump house including supply and installation of pumps,motors,control panel and substation,providing and laying 1000mm DI pipe gravity main.

Ref. to Requisition No.:F.216/WRD/WDVI/SDI/94/20-21 Dated :- 09/ 06 / 2021.

Qty. Recived. : 15 Sets of cube Date of Receipt:- 11/ 06 / 2021. Tested on: - 14 to 18/06/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. :6488,6489,6490,6496,6497,6498,6511,6512,6513,6529,6530,6531,6544,6545,6546/SS Lab. Sample No.: 1770 to 1784

Tested By: Mrs. Shirodkar. J.E.

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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 17/05/2021. PCC for 2nd step of wall along the nallah from ch.3804m to 3824m along nallah.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents -18.00 Cum.
			215.20	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	218.22			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 17/05/2021. PCC for 3 rd step of wall along the nallah from ch.3744m to 3764m along nallah.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents -10.00 Cum.
			235.59	Kg/Cm ²			
			246.91	Kg/Cm ²			
			Average	242.38			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 17/05/2021. PCC for 3 rd step of wall along the nallah from ch.3764m to 3804m along nallah.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	17.58	Qty represents - 24.00 Cum.
			244.65	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	246.91			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/05/2021. PCC for 3 rd step of wall along the nallah from ch.3804m to 3834m along nallah.	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	17.94	Qty represents - 15.00 Cum.
			244.65	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	247.67			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/05/2021. PCC for Found of wall along the nallah from ch.3840m to 3850m along nallah.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents - 18.00 Cum.
			253.71	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	244.65			

Junior Engineer

Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/05/2021. PCC for Found of wall along the nallah from ch.3850m to 3860m along nallah.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 18.00 Cum.
			222.00	Kg/Cm ²			
			255.97	Kg/Cm ²			
			Average	242.38			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/05/2021. PCC for Found of wall along the nallah from ch.3860m to 3870m along nallah.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	13.62	Qty represents -18.00 Cum.
			235.59	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	238.61			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/05/2021. PCC for Found of wall along the nallah from ch.3870m to 3880m along nallah.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	12.54	Qty represents -18.00 Cum.
			231.06	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	236.34			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/05/2021. PCC for Found of wall along the nallah from ch.3880m to 3900m along nallah.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	13.26	Qty represents -36.00 Cum.
			246.91	Kg/Cm ²			
			240.12	Kg/Cm ²			
			Average	237.85			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 20/05/2021. PCC for 1 st step of wall along the nallah from ch.3840m to 3860m along nallah.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents -27.00 Cum.
			240.12	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	244.65			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 20/05/2021. PCC for 1 st step of wall along the nallah from ch.3860m to 3880m along nallah.	28 th day compressive strength	255.97	Kg/Cm ²	210.00 Kg/cm ²	11.82	Qty represents -27.00 Cum.
			226.53	Kg/Cm ²			
			222.00	Kg/Cm ²			
			Average	234.83			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 20/05/2021. PCC for found of wall along the nallah from ch.3900m to 3920m along nallah.	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 36.00 Cum.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	242.38			

Junior Engineer

Assistant Engineer

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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 21/05/2021. PCC for 1 st step of wall along the nallah from ch.3880m to 3900m along nallah.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	18.66	Qty represents - 27.00 Cum.
			260.51	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	249.18	Kg/Cm²			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 21/05/2021. PCC for 2 nd step of wall along the nallah from ch.3840m to 3880m along nallah.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 36.00 Cum.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	234.08	Kg/Cm²			
15	Cement concrete cube of mix 1 : 2 : 4 , cast on 21/05/2021. PCC for found of wall along the nallah from ch.3920m to 3940m along nallah.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	14.34	Qty represents - 36.00 Cum.
			249.18	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	240.12	Kg/Cm²			

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

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer