

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T :6843 to 6846,6868,6869,6876,6891,6892,/Lab/ **156** /2018 -19 Dated:- 04 /06/2019 Laboratory : Bicholim - Goa.
6936,6937,6938,6939,6960,6961. 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 III : Construction of Bank Protection wall for upstream of Barrage at Ganjem in Sattari taluka.

Ref. to Requisition No.: MI/WRD / WD VI/SD II /F.62 /2019-20/ 56

Dated: - 07-05-2019

Qty. Recived. : 15 Sets of cube Date of Receipt: 07/05/2019. Tested on: 28/05/2019 To 03/06/2019 as per due dates. Ref to CPWD :2002, Vol. I

Sample: Cube PCC 1:1.5:3 Mix O.S No. : 782 To 785/AF, 512,513,520,535,536, 580 To 583 /SP,2018,2019/SS Lab. Sample No.: 4593 To 4607.

Tested By: Mr. Anil R. Fadte. J.E., Mr. S. M. Patri. A.E., & Mrs. S,B,Naik Shirodkar J.E.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR			Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 30/04/2019, Plain Concrete for wall -I bed near LIS Dhamace Ch. 0 To 41 m. Qty reprents 27.50Cum.	28 th day compressive strength	269.57	Kg/Cm2	265.00 Kg/Cm ²	5.14	...
			278.63	Kg/Cm2			
			287.69	Kg/Cm2			
		Average	278.63	Kg/Cm2			
2	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 30/04/2019, Plain Concrete for wall -I bed near LIS Dhamace Ch. 0 To 41 m. Qty reprents 28.00Cum.	28 th day compressive strength	312.61	Kg/Cm2	265.00 Kg/Cm ²	14.55	...
			305.81	Kg/Cm2			
			292.22	Kg/Cm2			
		Average	303.55	Kg/Cm2			
3	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 30/04/2019, Plain Concrete for wall -I bed near LIS Dhamace Ch. 0 To 41 m. Qty reprents 17.50Cum.	28 th day compressive strength	312.61	Kg/Cm2	265.00 Kg/Cm ²	15.69	...
			314.87	Kg/Cm2			
			292.22	Kg/Cm2			
		Average	306.57	Kg/Cm2			
4	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 30/04/2019, Plain Concrete for wall -I bed near LIS Dhamace Ch. 0 To 41 m. Qty reprents 21.00Cum.	28 th day compressive strength	301.28	Kg/Cm2	265.00 Kg/Cm ²	6.85	...
			278.63	Kg/Cm2			
			269.57	Kg/Cm2			
		Average	283.16	Kg/Cm2			

Junoir Engineer.

Assistant Engineer.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 01/05/2019, Plain Concrete for wall -I bed near LIS Dhamace Ch. 0 To 41 m. Qty reprents 28.00Cum.	28 th day compressive strength	317.14	Kg/Cm2	265.00 Kg/Cm ²	15.40	...
			294.48	Kg/Cm2			
			305.81	Kg/Cm2			
		Average	305.81	Kg/Cm2			
6	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 01/05/2019, Plain Concrete for wall -I bed near LIS Dhamace Ch. 0 To 41 m. Qty reprents 21.50Cum.	28 th day compressive strength	292.22	Kg/Cm2	265.00 Kg/Cm ²	12.84	...
			305.81	Kg/Cm2			
			299.01	Kg/Cm2			
		Average	299.01	Kg/Cm2			
7	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 02/05/2019, Plain Concrete for wall -I , wall step -I near LIS Dhamace Ch. 0 To 41 m. Qty reprents 15.00Cum.	28 th day compressive strength	323.93	Kg/Cm2	265.00 Kg/Cm ²	21.95	...
			314.87	Kg/Cm2			
			330.73	Kg/Cm2			
		Average	323.18	Kg/Cm2			
8	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 03/05/2019, Plain Concrete for wall -I , wall step -I near LIS Dhamace Ch. 0 To 41 m. Qty reprents 18.50Cum.	28 th day compressive strength	308.08	Kg/Cm2	265.00 Kg/Cm ²	11.98	...
			287.69	Kg/Cm2			
			294.48	Kg/Cm2			
		Average	296.75	Kg/Cm2			
9	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 03/05/2019, Plain Concrete for wall -I , wall step -I near LIS Dhamace Ch. 0 To 41 m. Qty reprents 15.50Cum.	28 th day compressive strength	317.14	Kg/Cm2	265.00 Kg/Cm ²	12.27	...
			285.42	Kg/Cm2			
			289.95	Kg/Cm2			
		Average	297.50	Kg/Cm2			
10	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 04/05/2019, Plain Concrete for wall -I , wall step -I near LIS Dhamace Ch. 0 To 41 m. Qty reprents 12.00Cum.	28 th day compressive strength	346.59	Kg/Cm2	265.00 Kg/Cm ²	21.10	...
			308.08	Kg/Cm2			
			308.08	Kg/Cm2			
		Average	320.91	Kg/Cm2			

Junoir Engineer.

Assistant Engineer.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
11	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 04/05/2019, Plain Concrete for wall -I , wall step -I near LIS Dhamace Ch. 0 To 41 m. Qty repreents 18.00Cum.	28 th day compressive strength	262.77	Kg/Cm2	265.00 Kg/Cm ²	3.72	...
			269.57	Kg/Cm2			
			292.22	Kg/Cm2			
		Average	274.85	Kg/Cm2			
12	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 05/05/2019, Plain Concrete for wall -I , wall step -I near LIS Dhamace Ch. 0 To 41 m. Qty repreents 22.50Cum.	28 th day compressive strength	314.87	Kg/Cm2	265.00 Kg/Cm ²	18.53	...
			299.01	Kg/Cm2			
			328.46	Kg/Cm2			
		Average	314.12	Kg/Cm2			
13	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 05/05/2019, Plain Concrete for wall -I , wall step -I near LIS Dhamace Ch. 0 To 41 m. Qty repreents 21.00Cum.	28 th day compressive strength	319.40	Kg/Cm2	265.00 Kg/Cm ²	20.53	...
			332.99	Kg/Cm2			
			305.81	Kg/Cm2			
		Average	319.40	Kg/Cm2			
14	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 06/05/2019, Plain Concrete for wall -I, wall step -2 near LIS Dhamace Ch. 0 To 41m. Qty repreents 27.50Cum.	28 th day compressive strength	285.42	Kg/Cm2	265.00 Kg/Cm ²	15.97	...
			353.38	Kg/Cm2			
			283.16	Kg/Cm2			
		Average	307.32	Kg/Cm2			
15	Plain Cement concrete cube of mix 1 : 1.5 : 3 , cast on 06/05/2019, Plain Concrete for wall -I, wall step -2 near LIS Dhamace Ch. 0 To 41m. Qty repreents 29.00Cum.	28 th day compressive strength	260.51	Kg/Cm2	265.00 Kg/Cm ²	13.12	...
			346.59	Kg/Cm2			
			292.22	Kg/Cm2			
		Average	299.77	Kg/Cm2			

Copy to: 1. The Assistant Engineer SD II , WD VI , 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 ,WDVI,WRD,Bicholim Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer