

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2163,2171,2177,2192,2197,2207/ Lab /132/ 2021 - 22 Dated:-30/06/ 2021. Laboratory : Bicholim - Goa.
,2291,2292,2304,2321,2326,2355,2367,2374,2389,2415,2433, Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work :Construction of Bandhara (Rajwalacho bandh) at village Golauli in V.P.Dongurli Thane in Sattari Taluka.

Ref. to Requisition No.: MIN/WDVI/WRD/SDII/F.62/21-22/102 Dated :- 04/ 06/ 2021.

Qty. Recived. : 17 Sets of cube Date of Receipt:-04/ 06 / 2021. Tested on: -05,06,07,08,09,10,17,18,19,20,24,26,27,28/06/2021 as per due dates.

Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1: 2: 4 & 1:1.5:3 O.S No. :6394,6402,6408,6423,6428,6438,6524,6525,6537,6554,6559,6588,6602,6611,6628,6654,6673/SS Lab. Sample No.: 1727

To 1743 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 1:1.5:3 , cast on 08/05/2021. PCC for D/s Apron 2 nd step.	28 th day compressive strenath	262.77	Kg/Cm ²	265.00 Kg/cm ²	4.29	Qty represents -20.00 Cum.
			278.63	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	276.36	Kg/Cm²			
2	Cement concrete cube of mix 1:1.5:3 , cast on 09/05/2021. PCC for D/s Apron 2 nd step.	28 th day compressive strenath	308.08	Kg/Cm ²	265.00 Kg/cm ²	8.28	Qty represents -23.50 Cum.
			269.57	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	286.93	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 10/05/2021. PCC for Retaining wall D/s of Bandhara cut off left side foundation.	28 th day compressive strenath	226.53	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents -21.00 Cum.
			233.32	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	233.32	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 11/05/2021. PCC for Retaining wall D/s of Bandhara cut off Right side foundation.	28 th day compressive strenath	228.79	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents -11.70 Cum.
			260.51	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	244.65	Kg/Cm²			
5	Cement concrete cube of mix 1:2:4 , cast on 12/05/2021. PCC for Retaining wall U/s of Bandhara Right side foundation.	28 th day compressive strenath	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents -28.00 Cum.
			212.93	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	227.28	Kg/Cm²			

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 13/05/2021. PCC for Retaining wall U/s of Bandhara Right side foundation.	28 th day compressive strenath	258.24	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents -27.00 Cum.
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	244.65	Kg/Cm²			
7	Cement concrete cube of mix 1:1.5:3 , cast on 20/05/2021. PCC for Pier 5 Nos.	28 th day compressive strenath	294.48	Kg/Cm ²	265.00 Kg/cm ²	13.12	Qty represents -15.60 Cum.
			303.55	Kg/Cm ²			
			301.28	Kg/Cm ²			
		Average	299.77	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 20/05/2021. PCC for Retaining wall U/s & D/s of Abutment Left side & Right side above foundation 1 st lift.	28 th day compressive strenath	276.36	Kg/Cm ²	265.00 Kg/cm ²	4.57	Qty represents -16.00 Cum.
			283.16	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	277.12	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 21/05/2021. PCC for Retaining wall U/s & D/s of Abutment Left side & Right side above foundation 2 nd lift.	28 th day compressive strenath	267.30	Kg/Cm ²	265.00 Kg/cm ²	2.58	Qty represents -13.00 Cum.
			271.83	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	271.83	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 22/05/2021. PCC for Retaining wall U/s & D/s of Abutment Left side & Right side above foundation 3 rd lift.	28 th day compressive strenath	271.83	Kg/Cm ²	265.00 Kg/cm ²	2.29	Qty represents -8.28 Cum.
			258.24	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	271.08	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 23/05/2021. PCC for Abutment Left side & Right side.	28 th day compressive strenath	260.51	Kg/Cm ²	265.00 Kg/cm ²	2.01	Qty represents -16.50 Cum.
			285.42	Kg/Cm ²			
			265.04	Kg/Cm ²			
		Average	270.32	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 26/05/2021. PCC for Retaining wall D/s of Bandhara cut off Left side & Right side 1 st lift.	28 th day compressive strenath	283.16	Kg/Cm ²	265.00 Kg/cm ²	3.43	Qty represents -13.00 Cum.
			271.83	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	274.10	Kg/Cm²			
13	Cement concrete cube of mix 1:2:4 , cast on 27/05/2021. PCC for Retaining wall D/s of Bandhara cut off Left side & Right side 2 nd lift.	28 th day compressive strenath	296.75	Kg/Cm ²	265.00 Kg/cm ²	7.99	Qty represents -11.00 Cum.
			285.42	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	286.18	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Cement concrete cube of mix 1:2:4 , cast on 28/05/2021. PCC for Retaining wall D/s of Bandhara cut off Left side & Right side 3 rd lift.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	7.99	Qty represents -7.00 Cum.
			303.55	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	286.18	Kg/Cm²			
15	Cement concrete cube of mix 1:2:4 , cast on 29/05/2021. PCC for Retaining wall U/s of Bandhara Right side 1 st step.	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/cm ²	9.70	Qty represents -20.95 Cum.
			283.16	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	290.71	Kg/Cm²			
16	Cement concrete cube of mix 1:2:4 , cast on 30/05/2021. PCC for Retaining wall U/s of Bandhara Right side 2 nd step.	28 th day compressive strength	262.77	Kg/Cm ²	265.00 Kg/cm ²	4.57	Qty represents -17.12 Cum.
			280.89	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	277.12	Kg/Cm²			
17	Cement concrete cube of mix 1:2:4 , cast on 31/05/2021. PCC for Retaining wall U/s of Bandhara Right side 3 rd lift.	28 th day compressive strength	258.24	Kg/Cm ²	265.00 Kg/cm ²	4.29	Qty represents -11.50 Cum.
			287.69	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	276.36	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD II , WDVl, 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

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