

**GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD/QC/F.6-2/Cube -T : 7287,7288,7312 To 7315,7320 To7323,7345 To 7348,7368 To 7371,7383 To 7386,7407 To 7410,7414 To 7417,7444 To 7447, 7478 To 7481,7489 To 7492,7517 To 7520, 7546 To 7549,7551 To 7554,7561 To 7564 & 7581 To 7584 / Lab / **224** / 2019 - 20 Dated:- 03 / 07 / 2019

Laboratory : Bicholim -Goa / 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/ 375 Dated: -15-06-2019

Qty. Recived. : 62 Sets of cube Date of Receipt: - 15/06/2019. Tested on: -17/06/2019 To 02/07/2019 as perdue dates. Ref to CPWD :2002, Vol. I

Sample: RCC 1 : 1.5 : 3 Mix O.S No. : 902,903,918 To 921/AF & 2271 To 2274/SS,923 To 926,938 To 941, 953 To 956, 968 To 971/AF,2313 To 2316,2343 To 2346,2377 To 2380, 2388 To 2391, 2416 To 2419,2445 To 2448/SS,602 To 605/SP,974 To 977,980 To 983/AF Lab. Sample No.: 6186 To 6247. Tested By: Mr. Anil R. Fadte. JE., Mrs. S.B.Naik Shirodkar, J.E. & Mr. S. M. Patri, A.E.,

**REPORT PAGE 01 OF 07**

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 20/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	260.51	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	10.84	Represents Qty. 18.00 Cum.
			330.73	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>293.73</b>			
2	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 20/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	330.73	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	15.97	Represents Qty. 22.50 Cum.
			308.08	Kg/Cm <sup>2</sup>			
			283.16	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>307.32</b>			
3	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 21/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	3.72	Represents Qty. 25.50 Cum.
			271.83	Kg/Cm <sup>2</sup>			
			287.69	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>274.85</b>			
4	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 21/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	267.30	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	11.41	Represents Qty. 26.00 Cum.
			328.46	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>295.24</b>			
5	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 21/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	323.93	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	10.84	Represents Qty. 28.00 Cum.
			269.57	Kg/Cm <sup>2</sup>			
			287.69	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>293.73</b>			

Junior Engineer

Assistant Engineer

**REPORT PAGE 02 OF 07**

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
6	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 21/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	287.69	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	11.98	Represents Qty. 24.00 Cum.
			323.93	Kg/Cm <sup>2</sup>			
			278.63	Kg/Cm <sup>2</sup>			
		Average	<b>296.75</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 22/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	310.34	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	11.70	Represents Qty. 18.50 Cum.
			294.48	Kg/Cm <sup>2</sup>			
			283.16	Kg/Cm <sup>2</sup>			
		Average	<b>295.99</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 22/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	335.26	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	10.27	Represents Qty. 20.00 Cum.
			278.63	Kg/Cm <sup>2</sup>			
			262.77	Kg/Cm <sup>2</sup>			
		Average	<b>292.22</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 22/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	269.57	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	7.71	Represents Qty. 20.00 Cum.
			294.48	Kg/Cm <sup>2</sup>			
			292.22	Kg/Cm <sup>2</sup>			
		Average	<b>285.42</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 22/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 0 To 75 m.	28th day compressive strength	303.55	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	8.28	Represents Qty. 21.00 Cum.
			271.83	Kg/Cm <sup>2</sup>			
			285.42	Kg/Cm <sup>2</sup>			
		Average	<b>286.93</b>	<b>Kg/Cm<sup>2</sup></b>			
11	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 23/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.0 To 75 m.	28th day compressive strength	289.95	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	13.98	Represents Qty. 24.00 Cum.
			317.14	Kg/Cm <sup>2</sup>			
			299.01	Kg/Cm <sup>2</sup>			
		Average	<b>302.03</b>	<b>Kg/Cm<sup>2</sup></b>			
12	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 23/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.0 To 75 m.	28th day compressive strength	323.93	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	12.27	Represents Qty. 22.50 Cum.
			260.51	Kg/Cm <sup>2</sup>			
			308.08	Kg/Cm <sup>2</sup>			
		Average	<b>297.50</b>	<b>Kg/Cm<sup>2</sup></b>			
13	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 23/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.0 To 75 m.	28th day compressive strength	299.01	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	10.56	Represents Qty. 25.00 Cum.
			312.61	Kg/Cm <sup>2</sup>			
			267.30	Kg/Cm <sup>2</sup>			
		Average	<b>292.97</b>	<b>Kg/Cm<sup>2</sup></b>			
14	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 23/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.0 To 75 m.	28th day compressive strength	262.77	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	11.41	Represents Qty. 24.00 Cum.
			330.73	Kg/Cm <sup>2</sup>			
			292.22	Kg/Cm <sup>2</sup>			
		Average	<b>295.24</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
15	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 24/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.75 To 154 m.	28th day compressive strength	267.30	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	2.29	Represents Qty. 21.00 Cum.
			276.36	Kg/Cm <sup>2</sup>			
			269.57	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>271.08</b>			
16	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 24/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.75 To 154 m.	28th day compressive strength	280.89	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	2.58	Represents Qty. 19.00 Cum.
			265.04	Kg/Cm <sup>2</sup>			
			269.57	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>271.83</b>			
17	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 24/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.75 To 154 m.	28th day compressive strength	285.42	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	3.43	Represents Qty. 24.00 Cum.
			265.04	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>274.10</b>			
18	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 24/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.75 To 154 m.	28th day compressive strength	299.01	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	11.41	Represents Qty. 21.00 Cum.
			328.46	Kg/Cm <sup>2</sup>			
			258.24	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>295.24</b>			
19	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 25/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	289.95	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	7.99	Represents Qty. 24.50 Cum.
			267.30	Kg/Cm <sup>2</sup>			
			301.28	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>286.18</b>			
20	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 25/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	317.14	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	7.99	Represents Qty. 22.00 Cum.
			283.16	Kg/Cm <sup>2</sup>			
			258.24	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>286.18</b>			
21	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 25/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	317.14	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	7.14	Represents Qty. 21.00 Cum.
			262.77	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>283.91</b>			
22	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 25/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	10.56	Represents Qty. 25.00 Cum.
			294.48	Kg/Cm <sup>2</sup>			
			319.40	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>292.97</b>			
23	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 26/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	314.87	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	9.42	Represents Qty. 27.50 Cum.
			255.97	Kg/Cm <sup>2</sup>			
			299.01	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>289.95</b>			
24	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 26/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	4.00	Represents Qty. 26.00 Cum.
			271.83	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>275.61</b>			

**REPORT PAGE 04 OF 07**

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
25	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 26/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	269.57	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	2.86	Represents Qty. 27.00 Cum.
			283.16	Kg/Cm <sup>2</sup>			
			265.04	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>272.59</b>			
26	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 26/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	262.77	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	3.72	Represents Qty. 28.00 Cum.
			289.95	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>274.85</b>			
27	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 27/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	276.36	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.71	Represents Qty. 28.50 Cum.
			271.83	Kg/Cm <sup>2</sup>			
			292.22	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>280.14</b>			
28	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 27/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	305.81	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	10.56	Represents Qty. 20.50 Cum.
			294.48	Kg/Cm <sup>2</sup>			
			278.63	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>292.97</b>			
29	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 27/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	9.42	Represents Qty. 24.00 Cum.
			289.95	Kg/Cm <sup>2</sup>			
			308.08	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>289.95</b>			
30	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 27/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch. 75 To 154 m.	28th day compressive strength	280.89	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	11.70	Represents Qty. 26.00 Cum.
			292.22	Kg/Cm <sup>2</sup>			
			314.87	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>295.99</b>			
31	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 28/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.75 To 154 m.	28th day compressive strength	299.01	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	4.57	Represents Qty. 23.50 Cum.
			265.04	Kg/Cm <sup>2</sup>			
			267.30	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>277.12</b>			
32	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 28/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.75 To 154 m.	28th day compressive strength	292.22	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.14	Represents Qty. 26.50 Cum.
			265.04	Kg/Cm <sup>2</sup>			
			278.63	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>278.63</b>			
33	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 28/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.75 To 154 m.	28th day compressive strength	285.42	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.00	Represents Qty. 27.00 Cum.
			276.36	Kg/Cm <sup>2</sup>			
			280.89	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>280.89</b>			
34	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 28/05/2019, PCC for wall-II bed Madaiwada LHS bank from Ch.75 To 154 m.	28th day compressive strength	276.36	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	8.85	Represents Qty. 20.50 Cum.
			283.16	Kg/Cm <sup>2</sup>			
			305.81	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>288.44</b>			

Junior Engineer

Assistant Engineer

**REPORT PAGE 05 OF 07**

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
35	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 29/05/2019, PCC for wall-II :- wall-step-I from Ch. 0 To 75 m.	28th day compressive strength	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.14	Represents Qty. 20.50 Cum.
			269.57	Kg/Cm <sup>2</sup>			
			294.48	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>278.63</b>			
36	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 29/05/2019, PCC for wall-II :- wall-step-I from Ch. 0 To 75 m.	28th day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	4.57	Represents Qty. 24.00 Cum.
			278.63	Kg/Cm <sup>2</sup>			
			287.69	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>277.12</b>			
37	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 29/05/2019, PCC for wall-II :- wall-step-I from Ch. 0 To 75 m.	28th day compressive strength	292.22	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.43	Represents Qty. 22.00 Cum.
			274.10	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>279.38</b>			
38	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 29/05/2019, PCC for wall-II :- wall-step-I from Ch. 0 To 75 m.	28th day compressive strength	294.48	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	11.98	Represents Qty. 28.00 Cum.
			305.81	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>296.75</b>			
39	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 30/05/2019, PCC for wall-II :- wall-step-I from Ch. 0 To 75 m.	28th day compressive strength	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	9.70	Represents Qty. 27.00 Cum.
			296.75	Kg/Cm <sup>2</sup>			
			303.55	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>290.71</b>			
40	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 30/05/2019, PCC for wall-II :- wall-step-I from Ch. 0 To 75 m.	28th day compressive strength	262.77	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.71	Represents Qty. 28.00 Cum.
			276.36	Kg/Cm <sup>2</sup>			
			301.28	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>280.14</b>			
41	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 30/05/2019, PCC for wall-II :- wall-step-I from Ch. 0 To 75 m.	28th day compressive strength	269.57	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.43	Represents Qty. 26.00 Cum.
			294.48	Kg/Cm <sup>2</sup>			
			274.10	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>279.38</b>			
42	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 30/05/2019, PCC for wall-II :- wall-step-I from Ch. 0 To 75 m.	28th day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.28	Represents Qty. 27.50 Cum.
			292.22	Kg/Cm <sup>2</sup>			
			287.69	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>281.65</b>			
43	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 31/05/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 0 to 30 m.	28th day compressive strength	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	4.57	Represents Qty. 29.00 Cum.
			292.22	Kg/Cm <sup>2</sup>			
			267.30	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>277.12</b>			
44	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 31/05/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 0 to 30 m.	28th day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.71	Represents Qty. 28.50 Cum.
			296.75	Kg/Cm <sup>2</sup>			
			260.51	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>280.14</b>			

Junior Engineer

Assistant Engineer

**REPORT PAGE 06 OF 07**

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
45	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 31/05/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 0 to 30 m.	28th day compressive strength	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.00	Represents Qty. 27.50 Cum.
			280.89	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
		Average	<b>280.89</b>	<b>Kg/Cm<sup>2</sup></b>			
46	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 31/05/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 0 to 30 m.	28th day compressive strength	301.28	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	10.56	Represents Qty. 28.00 Cum.
			269.57	Kg/Cm <sup>2</sup>			
			308.08	Kg/Cm <sup>2</sup>			
		Average	<b>292.97</b>	<b>Kg/Cm<sup>2</sup></b>			
47	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 01/06/2019, PCC for wall-III: - wall-step-I from Ch.0- To 30 m.	28th day compressive strength	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	4.86	Represents Qty. 23.00 Cum.
			253.71	Kg/Cm <sup>2</sup>			
			308.08	Kg/Cm <sup>2</sup>			
		Average	<b>277.87</b>	<b>Kg/Cm<sup>2</sup></b>			
48	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 01/06/2019, PCC for wall-III: - wall-step-I from Ch.0- To 30 m.	28th day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.85	Represents Qty. 20.00 Cum.
			271.83	Kg/Cm <sup>2</sup>			
			294.48	Kg/Cm <sup>2</sup>			
		Average	<b>283.16</b>	<b>Kg/Cm<sup>2</sup></b>			
49	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 01/06/2019, PCC for wall-III: - wall-step-I from Ch.0- To 30 m.	28th day compressive strength	260.51	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.43	Represents Qty. 21.00 Cum.
			301.28	Kg/Cm <sup>2</sup>			
			276.36	Kg/Cm <sup>2</sup>			
		Average	<b>279.38</b>	<b>Kg/Cm<sup>2</sup></b>			
50	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 01/06/2019, PCC for wall-III: - wall-step-I from Ch.0- To 30 m.	28th day compressive strength	285.42	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.28	Represents Qty. 18.00 Cum.
			287.69	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		Average	<b>281.65</b>	<b>Kg/Cm<sup>2</sup></b>			
51	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 02/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30 To 94 m.	28th day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	11.41	Represents Qty. 27.50 Cum.
			308.08	Kg/Cm <sup>2</sup>			
			294.48	Kg/Cm <sup>2</sup>			
		Average	<b>295.24</b>	<b>Kg/Cm<sup>2</sup></b>			
52	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 02/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30 To 94 m.	28th day compressive strength	328.46	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	18.25	Represents Qty. 28.00 Cum.
			344.32	Kg/Cm <sup>2</sup>			
			267.30	Kg/Cm <sup>2</sup>			
		Average	<b>313.36</b>	<b>Kg/Cm<sup>2</sup></b>			
52	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 02/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30 To 94 m.	28th day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	4.86	Represents Qty. 27.50 Cum.
			276.36	Kg/Cm <sup>2</sup>			
			292.22	Kg/Cm <sup>2</sup>			
		Average	<b>277.87</b>	<b>Kg/Cm<sup>2</sup></b>			
54	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 02/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30 To 94 m.	28th day compressive strength	305.81	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	7.42	Represents Qty. 29.00 Cum.
			271.83	Kg/Cm <sup>2</sup>			
			276.36	Kg/Cm <sup>2</sup>			
		Average	<b>284.67</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
55	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 03/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30 To 94 m.	28th day compressive strength	276.36	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.43	Represents Qty. 26.00 Cum.
			265.04	Kg/Cm <sup>2</sup>			
			296.75	Kg/Cm <sup>2</sup>			
		Average	<b>279.38</b>	<b>Kg/Cm<sup>2</sup></b>			
56	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 03/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30 To 94 m.	28th day compressive strength	285.42	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.57	Represents Qty. 28.50 Cum.
			269.57	Kg/Cm <sup>2</sup>			
			292.22	Kg/Cm <sup>2</sup>			
		Average	<b>282.40</b>	<b>Kg/Cm<sup>2</sup></b>			
57	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 03/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30 To 94 m.	28th day compressive strength	351.12	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	11.98	Represents Qty. 27.50 Cum.
			271.83	Kg/Cm <sup>2</sup>			
			267.30	Kg/Cm <sup>2</sup>			
		Average	<b>296.75</b>	<b>Kg/Cm<sup>2</sup></b>			
58	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 03/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30 To 94 m.	28th day compressive strength	328.46	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	9.70	Represents Qty. 29.00 Cum.
			262.77	Kg/Cm <sup>2</sup>			
			280.89	Kg/Cm <sup>2</sup>			
		Average	<b>290.71</b>	<b>Kg/Cm<sup>2</sup></b>			
59	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 04/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30 To 94 m.	28th day compressive strength	351.12	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	24.52	Represents Qty. 26.50 Cum.
			303.55	Kg/Cm <sup>2</sup>			
			335.26	Kg/Cm <sup>2</sup>			
		Average	<b>329.97</b>	<b>Kg/Cm<sup>2</sup></b>			
60	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 04/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30-94 m.	28th day compressive strength	267.30	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	7.99	Represents Qty. 28.00 Cum.
			292.22	Kg/Cm <sup>2</sup>			
			299.01	Kg/Cm <sup>2</sup>			
		Average	<b>286.18</b>	<b>Kg/Cm<sup>2</sup></b>			
61	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 04/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30-94 m.	28th day compressive strength	280.89	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	8.56	Represents Qty. 27.50 Cum.
			265.04	Kg/Cm <sup>2</sup>			
			317.14	Kg/Cm <sup>2</sup>			
		Average	<b>287.69</b>	<b>Kg/Cm<sup>2</sup></b>			
62	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 04/06/2019, PCC for wall-III bed Madaiwada RHS bank from Ch. 30-94 m.	28th day compressive strength	292.22	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	20.81	Represents Qty. 29.00 Cum.
			337.52	Kg/Cm <sup>2</sup>			
			330.73	Kg/Cm <sup>2</sup>			
		Average	<b>320.16</b>	<b>Kg/Cm<sup>2</sup></b>			

1. Copy to: 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 , WDWI, WRD, Bicholim-Goa.

4. QC Lab File.      5. Bill File.

Junior Engineer

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