

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T-7967,7971,7975 To7977,7997 To 7999,8011 To 8013,8026,8027,8038 To 8040,8059 To 8064,8080 To 8083,8099 To 8102,8117 To

8119,8130 To 8134,8147 To 8149,8159 To 8162,8170,8171 ./Lab/ **348** / 2019-20 Dated: - 26 / 12 / 2019 Laboratory : Bicholim - Goa.

**Name of work : Providing RCC Lining for B2 Distributory from ch. 0.000km to 2.150 km of RBMC of TIP in V.P. Allorna in Pernem Taluka.**

Ref No.:- SD IV/WD VII/ WRD / F.10/2019-20/160 dated :-26 / 11 / 2019.

Qty. Recived. : 47 Sets of cubes Date of Receipt:26/ 11 / 2019. Tested on: -05 /12/2019 To 23/12/2019 as per due dates Ref to CPWD :2009 -Vol. I

Sample: Cube Mix 1 : 1.5 : 3 & 1:3:6 O.S No. :1189,1193,1195 To 1197,1210 To 1212,1222 To 1224/AF,2824,2825,2839 TO 2841,2860 To 2862/SS,623 To

625/SP,1239 To 1242,1255 To 1558/AF,2871 To 2873/SS,1273 To 1277,1290 To 1292,1302 To 1305,1313,1314/AF. Lab. Sample No.: 6974 To 7020 Tested

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

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cube of mix 1:3:6, cast on 07/11/2019,for canal bed from ch.12.00 to 70.00m.(C1)	28 <sup>th</sup> day compressive strength	111.00	Kg/Cm2	100 kg/cm2	12.51	Quantity Represents 20.00 m3.
			120.06	Kg/Cm2			
			106.47	Kg/Cm2			
			<b>Average</b>	<b>112.51</b>			
2	Plain Cement concrete cube of mix 1:3:6, cast on 08/11/2019,for canal bed from ch.70.00 to 120.00m.(C2)	28 <sup>th</sup> day compressive strength	108.73	Kg/Cm <sup>2</sup>	100 kg/cm2	10.24	... Do ....
			115.53	Kg/Cm <sup>2</sup>			
			106.47	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>110.24</b>			
3	Plain Cement concrete cube of mix 1:3:6, cast on 09/11/2019,for canal bed from ch.120.00 to 192.00m.(C3)	28 <sup>th</sup> day compressive strength	111.00	Kg/Cm <sup>2</sup>	100 kg/cm2	12.51	Quantity Represents 19.62 m3.
			120.06	Kg/Cm <sup>2</sup>			
			106.47	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>112.51</b>			
4	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 09/ 11 / 2019, for RCC canal lining from Ch.12.00 to 42.00(C4) .	28 <sup>th</sup> day compressive strength	269.57	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.43	Quantity Represents 18.00 m3.
			278.63	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>279.38</b>			
5	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 09/ 11 / 2019, for RCC canal lining from Ch.42.00 to 70.00(C5) .	28th day compressive strength	274.10	Kg/Cm <sup>3</sup>	265.00 Kg/Cm <sup>2</sup>	5.14	Quantity Represents 16.80 m3.
			292.22	Kg/Cm <sup>3</sup>			
			269.57	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>278.63</b>			
6	Plain Cement concrete cube of mix 1:3:6, cast on 12/11/2019,for canal bed from ch.192.00 to 264.00m.(C6)	28 <sup>th</sup> day compressive strength	111.00	Kg/Cm2	100 kg/cm2	11.00	Quantity Represents 19.60 m3.
			120.06	Kg/Cm2			
			101.94	Kg/Cm2			
			<b>Average</b>	<b>111.00</b>			

Junior Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 12/ 11 / 2019, for RCC canal lining from Ch.42.00 to 70.00(C7) .	28th day compressive strength	276.36	Kg/Cm <sup>3</sup>	265.00 Kg/Cm <sup>2</sup>	4.57	Quantity Represents 19.62 m3.
			265.04	Kg/Cm <sup>3</sup>			
			289.95	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>277.12</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 12/ 11 / 2019, for RCC canal lining from Ch.70.00 to 120.00(C8) .	28 <sup>th</sup> day compressive strength	285.42	Kg/Cm2	265.00 Kg/Cm <sup>2</sup>	5.14	Quantity Represents 19.60 m3.
			280.89	Kg/Cm2			
			269.57	Kg/Cm2			
		<b>Average</b>	<b>278.63</b>	<b>Kg/Cm2</b>			
9	Plain Cement concrete cube of mix 1:3:6, cast on 13/11/2019,for canal bed from ch.264.00 to 336.00m.(C9)	28 <sup>th</sup> day compressive strength	117.79	Kg/Cm2	100 kg/cm2	23.83	... Do ....
			124.59	Kg/Cm2			
			129.12	Kg/Cm2			
		<b>Average</b>	<b>123.83</b>	<b>Kg/Cm2</b>			
10	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 13/ 11 / 2019, for RCC canal lining from Ch.120.00 to 156.00(C10) .	28 <sup>th</sup> day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	1.72	... Do ....
			276.36	Kg/Cm <sup>2</sup>			
			267.30	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>269.57</b>	<b>Kg/Cm<sup>2</sup></b>			
11	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 13/ 11 / 2019, for RCC canal lining from Ch.156.00 to 192.00(C11) .	28 <sup>th</sup> day compressive strength	269.57	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	2.86	... Do ....
			265.04	Kg/Cm <sup>2</sup>			
			283.16	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>272.59</b>	<b>Kg/Cm<sup>2</sup></b>			
12	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 14/ 11 / 2019, for RCC canal lining from Ch.192.00 to 228.00(C12) .	28 <sup>th</sup> day compressive strength	267.30	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	2.01	... Do ....
			267.30	Kg/Cm <sup>2</sup>			
			276.36	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>270.32</b>	<b>Kg/Cm<sup>2</sup></b>			
13	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 14/ 11 / 2019, for RCC canal lining from Ch.228.00 to 264.00(C13) .	28th day compressive strength	280.89	Kg/Cm <sup>3</sup>	265.00 Kg/Cm <sup>2</sup>	1.15	... Do ....
			260.51	Kg/Cm <sup>3</sup>			
			262.77	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>268.06</b>	<b>Kg/Cm<sup>2</sup></b>			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Plain Cement concrete cube of mix 1:3:6, cast on 15/11/2019,for canal bed from ch.336.00 to 408.00m.(C14)	28 <sup>th</sup> day compressive strength	122.32	Kg/Cm2	100 kg/cm2	26.10	Quantity Represents 19.60 m3.
			120.06	Kg/Cm2			
			135.92	Kg/Cm2			
		<b>Average</b>	<b>126.10</b>	<b>Kg/Cm2</b>			
15	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 15/ 11 / 2019, for RCC canal lining from Ch.264.00 to 300.00(C15) .	28 <sup>th</sup> day compressive strength	294.48	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	9.13	... Do ....
			287.69	Kg/Cm <sup>2</sup>			
			285.42	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>289.20</b>	<b>Kg/Cm<sup>2</sup></b>			
16	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 15/ 11 / 2019, for RCC canal lining from Ch.300.00 to 336.00(C16) .	28 <sup>th</sup> day compressive strength	301.28	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	19.39	... Do ....
			308.08	Kg/Cm <sup>2</sup>			
			339.79	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>316.38</b>	<b>Kg/Cm<sup>2</sup></b>			
17	Plain Cement concrete cube of mix 1:3:6, cast on 16/11/2019,for canal bed from ch.408.00 to 480.00m.(C17)	28 <sup>th</sup> day compressive strength	129.12	Kg/Cm2	100 kg/cm2	22.32	... Do ....
			115.53	Kg/Cm2			
			122.32	Kg/Cm2			
		<b>Average</b>	<b>122.32</b>	<b>Kg/Cm2</b>			
18	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 16/ 11 / 2019, for RCC canal lining from Ch.336.00 to 372.00(C18) .	28 <sup>th</sup> day compressive strength	292.22	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.00	... Do ....
			269.57	Kg/Cm <sup>2</sup>			
			280.89	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>280.89</b>	<b>Kg/Cm<sup>2</sup></b>			
19	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 16/ 11 / 2019, for RCC canal lining from Ch.372.00 to 408.00(C19) .	28 <sup>th</sup> day compressive strength	278.63	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	3.72	... Do ....
			258.24	Kg/Cm <sup>2</sup>			
			287.69	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>274.85</b>	<b>Kg/Cm<sup>2</sup></b>			
20	Plain Cement concrete cube of mix 1:3:6, cast on 17/11/2019,for canal bed from ch.480.00 to 552.00m.(C20)	28 <sup>th</sup> day compressive strength	115.53	Kg/Cm2	100 kg/cm2	13.26	... Do ....
			97.41	Kg/Cm2			
			126.85	Kg/Cm2			
		<b>Average</b>	<b>113.26</b>	<b>Kg/Cm2</b>			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
21	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 17/ 11 / 2019, for RCC canal lining from Ch.408.00 to 444.00(C21) .	28 <sup>th</sup> day compressive strength	317.14	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	16.82	Quantity Represents 19.60 m3.
			271.83	Kg/Cm <sup>2</sup>			
			339.79	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>309.59</b>			
22	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 17/ 11 / 2019, for RCC canal lining from Ch.444.00 to 480.00(C22) .	28 <sup>th</sup> day compressive strength	274.10	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.43	... Do ....
			285.42	Kg/Cm <sup>2</sup>			
			278.63	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>279.38</b>			
23	Plain Cement concrete cube of mix 1:3:6, cast on 19/11/2019,for canal bed from ch.552.00 to 624.00m.(C23)	28 <sup>th</sup> day compressive strength	129.12	Kg/Cm2	100 kg/cm2	23.83	... Do ....
			120.06	Kg/Cm2			
			122.32	Kg/Cm2			
			<b>Average</b>	<b>123.83</b>			
24	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 19/ 11 / 2019, for RCC canal lining from Ch.480.00 to 516.00(C24) .	28 <sup>th</sup> day compressive strength	274.10	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	2.58	... Do ....
			276.36	Kg/Cm <sup>2</sup>			
			265.04	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>271.83</b>			
25	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 19/ 11 / 2019, for RCC canal lining from Ch.516.00 to 552.00(C25) .	28 <sup>th</sup> day compressive strength	267.30	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	4.86	... Do ....
			287.69	Kg/Cm <sup>2</sup>			
			278.63	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>277.87</b>			
26	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 19/ 11 / 2019, for RCC canal lining from Ch.552.00 to 588.00(C26) .	28 <sup>th</sup> day compressive strength	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	4.86	... Do ....
			278.63	Kg/Cm <sup>2</sup>			
			283.16	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>277.87</b>			
27	Plain Cement concrete cube of mix 1:3:6, cast on 20/11/2019,for canal bed from ch.624.00 to 696.00m.(C27)	28 <sup>th</sup> day compressive strength	115.53	Kg/Cm2	100 kg/cm2	10.24	... Do ....
			106.47	Kg/Cm2			
			108.73	Kg/Cm2			
			<b>Average</b>	<b>110.24</b>			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
28	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 20/ 11 / 2019, for RCC canal lining from Ch.588.00 to 624.00(C28) .	28 <sup>th</sup> day compressive strength	292.22	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.28	Quantity Represents 19.60 m3.
			283.16	Kg/Cm <sup>2</sup>			
			269.57	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>281.65</b>	<b>Kg/Cm<sup>2</sup></b>			
29	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 20/ 11 / 2019, for RCC canal lining from Ch.624.00 to 660.00(C29) .	28 <sup>th</sup> day compressive strength	287.69	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	8.56	... Do ....
			292.22	Kg/Cm <sup>2</sup>			
			283.16	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>287.69</b>	<b>Kg/Cm<sup>2</sup></b>			
30	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 20/ 11 / 2019, for RCC canal lining from Ch.660.00 to 696.00(C30) .	28 <sup>th</sup> day compressive strength	274.10	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.71	... Do ....
			287.69	Kg/Cm <sup>2</sup>			
			278.63	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>280.14</b>	<b>Kg/Cm<sup>2</sup></b>			
31	Plain Cement concrete cube of mix 1:3:6, cast on 21/11/2019,for canal bed from ch.696.00 to 768.00m.(C31)	28 <sup>th</sup> day compressive strength	113.26	Kg/Cm <sup>2</sup>	100 kg/cm <sup>2</sup>	10.24	... Do ....
			111.00	Kg/Cm <sup>2</sup>			
			106.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>110.24</b>	<b>Kg/Cm<sup>2</sup></b>			
32	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 21/ 11 / 2019, for RCC canal lining from Ch.696.00 to 732.00(C32) .	28 <sup>th</sup> day compressive strength	294.48	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.43	... Do ....
			280.89	Kg/Cm <sup>2</sup>			
			262.77	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>279.38</b>	<b>Kg/Cm<sup>2</sup></b>			
33	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 21/ 11 / 2019, for RCC canal lining from Ch.732.00 to 768.00(C33) .	28 <sup>th</sup> day compressive strength	260.51	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	3.15	... Do ....
			271.83	Kg/Cm <sup>2</sup>			
			287.69	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>273.34</b>	<b>Kg/Cm<sup>2</sup></b>			
34	Plain Cement concrete cube of mix 1:3:6, cast on 22/11/2019,for canal bed from ch.768.00 to 840.00m.(C34)	28 <sup>th</sup> day compressive strength	106.47	Kg/Cm <sup>2</sup>	100 kg/cm <sup>2</sup>	10.24	... Do ....
			108.73	Kg/Cm <sup>2</sup>			
			115.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>110.24</b>	<b>Kg/Cm<sup>2</sup></b>			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
35	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 22/ 11 / 2019, for RCC canal lining from Ch.768.00 to 804.00(C35) .	28 <sup>th</sup> day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	3.72	Quantity Represents 19.60 m3.
			278.63	Kg/Cm <sup>2</sup>			
			280.89	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>274.85</b>	<b>Kg/Cm<sup>2</sup></b>			
36	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 22/ 11 / 2019, for RCC canal lining from Ch.804.00 to 840.00(C36) .	28 <sup>th</sup> day compressive strength	267.30	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	3.72	... Do ....
			283.16	Kg/Cm <sup>2</sup>			
			274.10	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>274.85</b>	<b>Kg/Cm<sup>2</sup></b>			
37	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 22/ 11 / 2019, for RCC canal lining from Ch.840.00 to 876.00(C37) .	28 <sup>th</sup> day compressive strength	278.63	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.14	... Do ....
			287.69	Kg/Cm <sup>2</sup>			
			269.57	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>278.63</b>	<b>Kg/Cm<sup>2</sup></b>			
38	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 22/ 11 / 2019, for RCC canal lining from Ch.876.00 to 912.00(C38) .	28 <sup>th</sup> day compressive strength	278.63	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.14	... Do ....
			274.10	Kg/Cm <sup>2</sup>			
			283.16	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>278.63</b>	<b>Kg/Cm<sup>2</sup></b>			
39	Plain Cement concrete cube of mix 1:3:6, cast on 23/11/2019,for canal bed from ch.840.00 to 912.00m.(C39)	28 <sup>th</sup> day compressive strength	129.12	Kg/Cm <sup>2</sup>	100 kg/cm <sup>2</sup>	24.59	... Do ....
			124.59	Kg/Cm <sup>2</sup>			
			120.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>124.59</b>	<b>Kg/Cm<sup>2</sup></b>			
40	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 23/ 11 / 2019, for RCC canal lining from Ch.912.00 to 948.00(C40) .	28 <sup>th</sup> day compressive strength	287.69	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	10.56	... Do ....
			323.93	Kg/Cm <sup>2</sup>			
			267.30	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>292.97</b>	<b>Kg/Cm<sup>2</sup></b>			
41	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 23/ 11 / 2019, for RCC canal lining from Ch.948.00 to 984.00(C41) .	28 <sup>th</sup> day compressive strength	269.57	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	2.86	... Do ....
			265.04	Kg/Cm <sup>2</sup>			
			283.16	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>272.59</b>	<b>Kg/Cm<sup>2</sup></b>			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
42	Plain Cement concrete cube of mix 1:3:6, cast on 24/11/2019,for canal bed from ch.912.00 to 984.00m.(C42)	28 <sup>th</sup> day compressive strength	120.06	Kg/Cm2	100 kg/cm2	24.59	Quantity Represents 19.60 m3.
			129.12	Kg/Cm2			
			124.59	Kg/Cm2			
		<b>Average</b>	<b>124.59</b>	<b>Kg/Cm2</b>			
43	Plain Cement concrete cube of mix 1:3:6, cast on 24/11/2019,for canal bed from ch.984.00 to 1056.00m.(C43)	28 <sup>th</sup> day compressive strength	111.00	Kg/Cm2	100 kg/cm2	14.02	... Do ....
			117.79	Kg/Cm2			
			113.26	Kg/Cm2			
		<b>Average</b>	<b>114.02</b>	<b>Kg/Cm2</b>			
44	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 24/ 11 / 2019, for RCC canal lining from Ch.984.00 to 1020.00(C44) .	28 <sup>th</sup> day compressive strength	269.57	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	5.14	... Do ....
			289.95	Kg/Cm <sup>2</sup>			
			276.36	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>278.63</b>	<b>Kg/Cm<sup>2</sup></b>			
45	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 24/ 11 / 2019, for RCC canal lining from Ch.1020.00 to 1056.00(C45) .	28 <sup>th</sup> day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.57	... Do ....
			271.83	Kg/Cm <sup>2</sup>			
			292.22	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>282.40</b>	<b>Kg/Cm<sup>2</sup></b>			
46	Plain Cement concrete cube of mix 1:3:6, cast on 25/11/2019,for canal bed from ch.1056.00 to 1128.00m.(C46)	28 <sup>th</sup> day compressive strength	106.47	Kg/Cm2	100 kg/cm2	11.75	... Do ....
			120.06	Kg/Cm2			
			108.73	Kg/Cm2			
		<b>Average</b>	<b>111.75</b>	<b>Kg/Cm2</b>			
47	Plain Cement concrete cube of mix 1:3:6, cast on 25/11/2019,for canal bed from ch.1128.00 to 1200.00m.(C47)	28 <sup>th</sup> day compressive strength	115.53	Kg/Cm2	100 kg/cm2	11.00	... Do ....
			113.26	Kg/Cm2			
			104.20	Kg/Cm2			
		<b>Average</b>	<b>111.00</b>	<b>Kg/Cm2</b>			

Copy to: 1. The Assistant Engineer SD IV , 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 ,WDVII,WRD , Dhargal - Pernem- Goa.

4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer