

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3232,3243,3265,3278,3281,3306,/ Lab / **335/** 2021 - 22 Dated:- 19/03/2022. Laboratory : Bicholim - Goa.
3354,3376,3401,3417,3428,3444,3463 & 3485. Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work :Improvement of damaged existing bund from Nerul bridge to Sinquerim in V.P. Candolim Bardez in Calangute Constiuecy.

Ref. to Requisition No.: S.D.II/W.D.I/WRD/F.24/2021-22/440 Dt.:- 19/ 02/ 2022

Qty. Recived. : 14 Sets of cube Date of Receipt:- 21/ 02 / 2022. Tested on: 21,24,26 & 28/02/2022 & 01,03,05,07,09,11,12,14,16 & 18/03/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix PCC 1:3:6 O.S No. :7728 & 7740/SS , 137/R.K. , 7764 & 7770/SS, 141/R.K. , 7827,7850,7877,7895 & 7906/SS , 161 & 168/R.K. , 7945/SS Lab. Sample No.: 3047 to 3060 Tested By: Mrs. R.R.Kadam A.E. & Mrs. S. B. Naik 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 CC 1:3:6 , cast on 24/01/2022. PCC for Ch 1482 - ch 1182 (1st layer).	28 th day compressive strength	122.32	Kg/Cm ²	100.00 Kg/cm ²	20.81	Qty represents - 20.00 Cum.
			111.00	Kg/Cm ²			
			129.12	Kg/Cm ²			
			Average	120.81			
2	Cement concrete cube of mix CC 1:3:6 , cast on 27/01/2022. PCC for Ch 1482 - ch 1182 - Band - (1st layer).	28 th day compressive strength	126.85	Kg/Cm ²	100.00 Kg/cm ²	16.28	Qty represents - 18.00 Cum.
			101.94	Kg/Cm ²			
			120.06	Kg/Cm ²			
			Average	116.28			
3	Cement concrete cube of mix CC 1:3:6 , cast on 29/01/2022. PCC for Ch 1182 - ch 882 - (1st layer).	28 th day compressive strength	135.92	Kg/Cm ²	100.00 Kg/cm ²	20.06	Qty represents - 20.00 Cum.
			122.32	Kg/Cm ²			
			101.94	Kg/Cm ²			
			Average	120.06			
4	Cement concrete cube of mix CC 1:3:6 , cast on 31/01/2022. PCC for Ch 1182 - ch 882 - Band - (1st layer).	28 th day compressive strength	122.32	Kg/Cm ²	100.00 Kg/cm ²	26.10	Qty represents - 18.00 Cum.
			135.92	Kg/Cm ²			
			120.06	Kg/Cm ²			
			Average	126.10			
5	Cement concrete cube of mix CC 1:3:6 , cast on 01/02/2022. PCC for Ch 1482 - ch 1182 - (2nd layer).	28 th day compressive strength	113.26	Kg/Cm ²	100.00 Kg/cm ²	17.79	Qty represents - 15.00 Cum.
			120.06	Kg/Cm ²			
			120.06	Kg/Cm ²			
			Average	117.79			
6	Cement concrete cube of mix CC 1:3:6 , cast on 03/02/2022. PCC for Ch 1482 - ch 1182 -Band - (2nd layer).	28 th day compressive strength	124.59	Kg/Cm ²	100.00 Kg/cm ²	16.28	Qty represents - 12.00 Cum.
			113.26	Kg/Cm ²			
			111.00	Kg/Cm ²			
			Average	116.28			

Junior Engineer

Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Cement concrete cube of mix CC 1:3:6 , cast on 05/02/2022. PCC for Ch 1182 - ch 882 - (2nd layer).	28 th day compressive strength	122.32	Kg/Cm ²	100.00 Kg/cm ²	20.81	Qty represents - 15.00 Cum.
			115.53	Kg/Cm ²			
			124.59	Kg/Cm ²			
		Average	120.81	Kg/Cm²			
8	Cement concrete cube of mix CC 1:3:6 , cast on 07/02/2022. PCC for Ch 1182 - ch 882 - Band - (2nd layer).	28 th day compressive strength	101.94	Kg/Cm ²	100.00 Kg/cm ²	16.28	Qty represents - 12.00 Cum.
			117.79	Kg/Cm ²			
			129.12	Kg/Cm ²			
		Average	116.28	Kg/Cm²			
9	Cement concrete cube of mix CC 1:3:6 , cast on 09/02/2022. PCC for Ch 882 - ch 582 - (1st layer).	28 th day compressive strength	101.94	Kg/Cm ²	100.00 Kg/cm ²	7.98	Qty represents - 20.00 Cum.
			113.26	Kg/Cm ²			
			108.73	Kg/Cm ²			
		Average	107.98	Kg/Cm²			
10	Cement concrete cube of mix CC 1:3:6 , cast on 11/02/2022. PCC for Ch 882 - ch 582 - (1st layer).	28 th day compressive strength	99.67	Kg/Cm ²	100.00 Kg/cm ²	14.02	Qty represents - 18.00 Cum.
			122.32	Kg/Cm ²			
			120.06	Kg/Cm ²			
		Average	114.02	Kg/Cm²			
11	Cement concrete cube of mix CC 1:3:6 , cast on 12/02/2022. PCC for Ch 882 - ch 582 - (2nd layer).	28 th day compressive strength	113.26	Kg/Cm ²	100.00 Kg/cm ²	19.30	Qty represents - 15.00 Cum.
			124.59	Kg/Cm ²			
			120.06	Kg/Cm ²			
		Average	119.30	Kg/Cm²			
12	Cement concrete cube of mix CC 1:3:6 , cast on 14/02/2022. PCC for Ch 882 - ch 582 -Band- (2nd layer).	28 th day compressive strength	115.53	Kg/Cm ²	100.00 Kg/cm ²	23.83	Qty represents - 12.00 Cum.
			126.85	Kg/Cm ²			
			129.12	Kg/Cm ²			
		Average	123.83	Kg/Cm²			
13	Cement concrete cube of mix CC 1:3:6 , cast on 16/02/2022. PCC for Ch 582 - ch 282 - (1st layer).	28 th day compressive strength	106.47	Kg/Cm ²	100.00 Kg/cm ²	26.10	Qty represents - 20.00 Cum.
			135.92	Kg/Cm ²			
			135.92	Kg/Cm ²			
		Average	126.10	Kg/Cm²			
14	Cement concrete cube of mix CC 1:3:6 , cast on 18/02/2022. PCC for Ch 582 - ch 282 -Band - (1st layer).	28 th day compressive strength	122.32	Kg/Cm ²	100.00 Kg/cm ²	22.32	Qty represents - 18.00 Cum.
			115.53	Kg/Cm ²			
			129.12	Kg/Cm ²			
		Average	122.32	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD II , WDI, WRD, Mapusa, Bardez - Goa.

2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.

3. Copy submitted to The Executive Engineer , WDI ,WRD, Porvorim - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer