

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 2804,2805,2809,2810,2817,2818,2823,2824,/ Lab / **235** / 2021 - 22 Dated:-16/12/ 2021. Laboratory : Bicholim - Goa.
2832,2833,2836,2837,2850,2851,2857,2858,2859 & 2860 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Nallah protection wall near the St Sufala Pokhare at Chonsaiwada in V.P.Parcem in Mandrem constituency.

Ref. to Requisition No.: MI/SDIII/WDI/F-58/2021-22/271 Dated :- 18/ 11/ 2021.

Qty. Received. :18 Sets of cube Date of Receipt:- 18/11/ 2021. Tested on: 29, 30/11/2021 & 02,04, 07, 08, 11, 13 & 15/12/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. : 7130, 7131, 7137, 7138, 7150, 7151, 7163, 7164/SS , 118,119/R.K. , 7166, 7167, 7181, 7182, 7188, 7189, 7191 & 7192/SS Lab. Sample No.: 2362 To 2379 Tested By: Mrs.R.R. Kadam A.E. & Mrs.S. B. 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 :2 : 4 , cast on 01/11/2021. For Nallah protection wall.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents -28.00 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
2	Cement concrete cube of mix 1 :2 : 4 , cast on 01/11/2021. For Nallah protection wall.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	1.76	--do--
			203.87	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	213.69	Kg/Cm²			
3	Cement concrete cube of mix 1 :2 : 4 , cast on 02/11/2021. For Nallah protection wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents -20.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
4	Cement concrete cube of mix 1 :2 : 4 , cast on 02/11/2021. For Nallah protection wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	6.79	--do--
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
5	Cement concrete cube of mix 1 :2 : 4 , cast on 04/11/2021. For Nallah protection wall.	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents -24.00 Cum for two sets of cubes.
			228.79	Kg/Cm ²			
			206.14	Kg/Cm ²			
		Average	228.79	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 04/11/2021. For Nallah protection wall.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	13.26	Qty represents -24.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	237.85	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/11/2021. For Nallah protection wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents -30.00 Cum for two sets of cubes.
			222.00	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/11/2021. For Nallah protection wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	5.35	--do--
			235.59	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/11/2021. For Nallah protection wall.	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents -28.00 Cum for two sets of cubes.
			203.87	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/11/2021. For Nallah protection wall.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	3.20	--do--
			222.00	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/11/2021. For Nallah protection wall.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents -24.00 Cum for two sets of cubes.
			212.93	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/11/2021. For Nallah protection wall.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	1.76	--do--
			219.73	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	213.69	Kg/Cm²			

Junior Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 13/11/2021. For Nallah protection wall.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents -24.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	223.51			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 13/11/2021. For Nallah protection wall.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.20	--do--
			203.87	Kg/Cm ²			
			219.73	Kg/Cm ²			
			Average	216.71			
15	Cement concrete cube of mix 1 : 2 : 4 , cast on 15/11/2021. For Nallah protection wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents -20.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	224.26			
16	Cement concrete cube of mix 1 : 2 : 4 , cast on 15/11/2021. For Nallah protection wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	7.87	--do--
			228.79	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	226.53			
17	Cement concrete cube of mix 1 : 2 : 4 , cast on 17/11/2021. For Nallah protection wall.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents -28.00 Cum for two sets of cubes.
			217.47	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	222.00			
18	Cement concrete cube of mix 1 : 2 : 4 , cast on 17/11/2021. For Nallah protection wall.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	4.99	--do--
			210.67	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	220.49			

Copy to: 1. The Assistant Engineer , SD III , WDI, WRD 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 , WDI ,WRD, Porvorim - Goa.

4. QC Lab File. 5. Bill File.

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