

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 799,800,813,814,847,848,861,862,878/ Lab / **273**/ 2020 - 21 Dated:- 27/ 02 / 2021. Laboratory : Bicholim - Goa
,879,892,893, 906,907, 937,938,963,964,983,984,997,998,1008,1009 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Improvement to existing Tali at Sangavwada VP Ozari in Pernem Goa.

Ref. to Requisition No.:No-MI/SDIII/WDI/F-58/2020-21/364 Dated :- 25/ 01 / 2021.

Qty. Received. :24 Sets of cube Date of Receipt:- 27/ 01 / 2021. Tested on: -28 & 29/01/21 & 01 to 16/02/21 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No.:4820,4821,4835,4836,4874,4875,4888,4889,4908,4909,4924,4925,4939,4940,4979,4980,5008,5009,5033,5034,5051,5052,5065,5066/SS

Lab. Sample No.:221 to 244 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

REPORT PAGE 01 OF 04

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix 1 : 2 : 4 , cast on 31/12/2020. For Nallah wall.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents - 29.00 Cum for two sets of cubes.
			242.38	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	244.65			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 31/12/2020. For Nallah wall.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	14.70	----- do -----
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	240.87			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 01/01/2021. For Nallah wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	17.94	Qty represents - 28.00 Cum for two sets of cubes.
			260.51	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	247.67			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 01/01/2021. For Nallah wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	16.14	----- do -----
			253.71	Kg/Cm ²			
			240.12	Kg/Cm ²			
			Average	243.89			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/01/2021. For Nallah wall.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 28.00 Cum for two sets of cubes.
			237.85	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	237.10			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/01/2021. For Nallah wall.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	17.94	----- do -----
			262.77	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	247.67			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 04

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/01/2021. For Nallah wall.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	13.26	Qty represents - 29.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	237.85			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/01/2021. For Nallah wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.51	----- do -----
			212.93	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	225.77			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/01/2021. For Nallah wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	14.34	Qty represents - 29.00 Cum for two sets of cubes.
			255.97	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	240.12			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/01/2021. For Nallah wall.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	15.06	----- do -----
			262.77	Kg/Cm ²			
			228.79	Kg/Cm ²			
			Average	241.63			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/01/2021. For Nallah wall.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	12.54	Qty represents - 28.00 Cum for two sets of cubes.
			228.79	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	236.34			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/01/2021. For Nallah wall.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	7.15	----- do -----
			215.20	Kg/Cm ²			
			242.38	Kg/Cm ²			
			Average	225.02			
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/01/2021. For Nallah wall.	28 th day compressive strength	255.97	Kg/Cm ²	210.00 Kg/cm ²	15.06	Qty represents - 29.00 Cum for two sets of cubes.
			244.65	Kg/Cm ²			
			224.26	Kg/Cm ²			
			Average	241.63			

Junior Engineer

Assistant Engineer

REPORT PAGE 03 OF 04

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 09/01/2021. For Nallah wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 29.00 Cum for two sets of cubes.
			235.59	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
15	Cement concrete cube of mix 1 : 2 : 4 , cast on 12/01/2021. For Nallah wall.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 27.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
16	Cement concrete cube of mix 1 : 2 : 4 , cast on 12/01/2021. For Nallah wall.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	16.86	----- do -----
			249.18	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	245.40	Kg/Cm²			
17	Cement concrete cube of mix 1 : 2 : 4 , cast on 14/01/2021. For Nallah wall.	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	17.94	Qty represents - 29.00 Cum for two sets of cubes.
			249.18	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	247.67	Kg/Cm²			
18	Cement concrete cube of mix 1 : 2 : 4 , cast on 14/01/2021. For Nallah wall.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	12.18	----- do -----
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	235.59	Kg/Cm²			
19	Cement concrete cube of mix 1 : 2 : 4 , cast on 16/01/2021. For Nallah wall.	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 28.00 Cum for two sets of cubes.
			240.12	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	231.81	Kg/Cm²			
20	Cement concrete cube of mix 1 : 2 : 4 , cast on 16/01/2021. For Nallah wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	14.70	----- do -----
			226.53	Kg/Cm ²			
			258.24	Kg/Cm ²			
		Average	240.87	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 04 OF 04

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
21	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/01/2021. For Nallah wall.	28 th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 28.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
22	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/01/2021. For Nallah wall.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	14.34	----- do -----
			237.85	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	240.12	Kg/Cm²			
23	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/01/2021. For Nallah wall.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 27.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	231.06	Kg/Cm²			
24	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/01/2021. For Nallah wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	6.79	----- do -----
			219.73	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	224.26	Kg/Cm²			

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

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer