

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9586,9587,9614,9615,9700,9701,9756,9757,9768,9769,9790,9791,9810,9811,/ Lab / **48** / 2020 - 2021 Dated:- 11 / 06 / 2020.

9830,9831, 9854,9855,9885,9886,9905,9906,9907,9908,9938,9939

Laboratory : Bicholim - Goa. Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of Work: - Construction of Protection wall to R.H.S. of Chapora River near Ibrampur in Pernem Taluka under (SAGY).

Ref. to Requisition No.: MI/SDIII/WDI/WRD/ F.58/2020-21/ **22** Dated :- 14 / 05 / 2020.

Qty. Recived. : 26 Sets of cube Date of Receipt: - 16/05/2020. Tested on: 23/05/2020 To 11/06/2020. as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube 1:2:4 Mix O.S No. :3669,3683,3715,3747,3753,3766,3777,3793,3809,3830,3843,3844,3864/SS. Lab. Sample No.: 8668 To 8693

Tested By: Mrs. S.B. Naik Shirodkar. J.E. **Cube test is witnessed by Shri. Brijesh Kumar (RITES) & Shri. Babajan Budhasab, representative of M/s. I.B. Construction on 11/06/2020.**

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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 25/04/2020. for Nallah wall.	28 th day compressive strength	260.51	Kg/Cm2	210 kg/cm2	20.09	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			249.18	Kg/Cm2			
			246.91	Kg/Cm2			
			Average	252.20			
2	Cement concrete cube of mix 1:2:4 , cast on 25/04/2020. for Nallah wall.	28 th day compressive strength	244.65	Kg/Cm2	210 kg/cm2	13.62 Do
			237.85	Kg/Cm2			
			233.32	Kg/Cm2			
			Average	238.61			
3	Cement concrete cube of mix 1:2:4 , cast on 27/04/2020. for Nallah wall.	28 th day compressive strength	222.00	Kg/Cm2	210 kg/cm2	7.87	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			219.73	Kg/Cm2			
			237.85	Kg/Cm2			
			Average	226.53			
4	Cement concrete cube of mix 1:2:4 , cast on 27/04/2020. for Nallah wall.	28 th day compressive strength	228.79	Kg/Cm2	210 kg/cm2	8.95 Do
			224.26	Kg/Cm2			
			233.32	Kg/Cm2			
			Average	228.79			
5	Cement concrete cube of mix 1:2:4 , cast on 30/04/2020. for Nallah wall.	28 th day compressive strength	255.97	Kg/Cm2	210 kg/cm2	10.03	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			226.53	Kg/Cm2			
			210.67	Kg/Cm2			
			Average	231.06			
6	Cement concrete cube of mix 1:2:4 , cast on 30/04/2020. for Nallah wall.	28 th day compressive strength	228.79	Kg/Cm2	210 kg/cm2	12.18 Do
			246.91	Kg/Cm2			
			231.06	Kg/Cm2			
			Average	235.59			

Junior Engineer

Assistant Engineer

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Cement concrete cube of mix 1:2:4 , cast on 04/05/2020. for Nallah wall.	28 th day compressive strength	271.83	Kg/Cm2	210 kg/cm2	22.97	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			244.65	Kg/Cm2			
			258.24	Kg/Cm2			
		Average	258.24	Kg/Cm2			
8	Cement concrete cube of mix 1:2:4 , cast on 04/05/2020. for Nallah wall.	28 th day compressive strength	249.18	Kg/Cm2	210 kg/cm2	17.94 Do
			240.12	Kg/Cm2			
			253.71	Kg/Cm2			
		Average	247.67	Kg/Cm2			
9	Cement concrete cube of mix 1:2:4 , cast on 05/05/2020. for Nallah wall.	28 th day compressive strength	271.83	Kg/Cm2	210 kg/cm2	25.13	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			253.71	Kg/Cm2			
			262.77	Kg/Cm2			
		Average	262.77	Kg/Cm2			
10	Cement concrete cube of mix 1:2:4 , cast on 05/05/2020. for Nallah wall.	28 th day compressive strength	271.83	Kg/Cm2	210 kg/cm2	16.14 Do
			215.20	Kg/Cm2			
			244.65	Kg/Cm2			
		Average	243.89	Kg/Cm2			
11	Cement concrete cube of mix 1:2:4 , cast on 06/05/2020. for Nallah wall.	28 th day compressive strength	217.47	Kg/Cm2	210 kg/cm2	6.07	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			215.20	Kg/Cm2			
			235.59	Kg/Cm2			
		Average	222.75	Kg/Cm2			
12	Cement concrete cube of mix 1:2:4 , cast on 06/05/2020. for Nallah wall.	28 th day compressive strength	262.77	Kg/Cm2	210 kg/cm2	23.69 Do
			271.83	Kg/Cm2			
			244.65	Kg/Cm2			
		Average	259.75	Kg/Cm2			
13	Cement concrete cube of mix 1:2:4 , cast on 07/05/2020. for Nallah wall.	28 th day compressive strength	212.93	Kg/Cm2	210 kg/cm2	6.43	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			231.06	Kg/Cm2			
			226.53	Kg/Cm2			
		Average	223.51	Kg/Cm2			
14	Cement concrete cube of mix 1:2:4 , cast on 07/05/2020. for Nallah wall.	28 th day compressive strength	235.59	Kg/Cm2	210 kg/cm2	4.99 Do
			217.47	Kg/Cm2			
			208.40	Kg/Cm2			
		Average	220.49	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
15	Cement concrete cube of mix 1:2:4 , cast on 08/05/2020. for Nallah wall.	28 th day compressive strength	260.51	Kg/Cm2	210 kg/cm2	15.42	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			246.91	Kg/Cm2			
			219.73	Kg/Cm2			
		Average	242.38	Kg/Cm2			
16	Cement concrete cube of mix 1:2:4 , cast on 08/05/2020. for Nallah wall.	28 th day compressive strength	237.85	Kg/Cm2	210 kg/cm2	20.45 Do
			249.18	Kg/Cm2			
			271.83	Kg/Cm2			
		Average	252.95	Kg/Cm2			
17	Cement concrete cube of mix 1:2:4 , cast on 09/05/2020. for Nallah wall.	28 th day compressive strength	226.53	Kg/Cm2	210 kg/cm2	7.51	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			231.06	Kg/Cm2			
			219.73	Kg/Cm2			
		Average	225.77	Kg/Cm2			
18	Cement concrete cube of mix 1:2:4 , cast on 09/05/2020. for Nallah wall.	28 th day compressive strength	235.59	Kg/Cm2	210 kg/cm2	6.43 Do
			212.93	Kg/Cm2			
			222.00	Kg/Cm2			
		Average	223.51	Kg/Cm2			
19	Cement concrete cube of mix 1:2:4 , cast on 11/05/2020. for Nallah wall.	28 th day compressive strength	210.67	Kg/Cm2	210 kg/cm2	3.55	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			208.40	Kg/Cm2			
			233.32	Kg/Cm2			
		Average	217.47	Kg/Cm2			
20	Cement concrete cube of mix 1:2:4 , cast on 11/05/2020. for Nallah wall.	28 th day compressive strength	215.20	Kg/Cm2	210 kg/cm2	5.71 Do
			203.87	Kg/Cm2			
			246.91	Kg/Cm2			
		Average	222.00	Kg/Cm2			
21	Cement concrete cube of mix 1:2:4 , cast on 12/05/2020. for Nallah wall.	28 th day compressive strength	262.77	Kg/Cm2	210 kg/cm2	22.97	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			253.71	Kg/Cm2			
			258.24	Kg/Cm2			
		Average	258.24	Kg/Cm2			
22	Cement concrete cube of mix 1:2:4 , cast on 12/05/2020. for Nallah wall.	28 th day compressive strength	244.65	Kg/Cm2	210 kg/cm2	12.18 Do
			222.00	Kg/Cm2			
			240.12	Kg/Cm2			
		Average	235.59	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
23	Cement concrete cube of mix 1:2:4 , cast on 12/05/2020. for Nallah wall.	28 th day compressive strength	253.71	Kg/Cm2	210 kg/cm2	14.34	1. Quantity represents 58.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			244.65	Kg/Cm2			
			222.00	Kg/Cm2			
		Average	240.12	Kg/Cm2			
24	Cement concrete cube of mix 1:2:4 , cast on 12/05/2020. for Nallah wall.	28 th day compressive strength	235.59	Kg/Cm2	210 kg/cm2	10.39 Do
			226.53	Kg/Cm2			
			233.32	Kg/Cm2			
		Average	231.81	Kg/Cm2			
25	Cement concrete cube of mix 1:2:4 , cast on 13/05/2020. for Nallah wall.	28 th day compressive strength	294.48	Kg/Cm2	210 kg/cm2	26.57	1. Quantity represents 56.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			251.44	Kg/Cm2			
			251.44	Kg/Cm2			
		Average	265.79	Kg/Cm2			
26	Cement concrete cube of mix 1:2:4 , cast on 13/05/2020. for Nallah wall.	28 th day compressive strength	289.95	Kg/Cm2	210 kg/cm2	32.32 Do
			301.28	Kg/Cm2			
			242.38	Kg/Cm2			
		Average	277.87	Kg/Cm2			

Copy to: 1. The Assistant Engineer , SDIII , 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