

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 486,496,507,521,522,537,557, / Lab / **221** / 2020 - 21 Dated:- 01/ 02 / 2021. Laboratory : Bicholim - Goa
558,574,575,619,620,658,659,683 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of open type bandhara across nalla at Vagharachoband Surla in Bicholim Taluka.

Ref. to Requisition No.: WRD / WDV/SDI/F.W.206/2020-21/405 Dated :- 29/ 12 / 2020.

Qty. Recived. :15 Sets of cube Date of Receipt:- 29/ 12/ 2020. Tested on:- 31/12/2020 To 15/01/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 & 1 : 1.5 : 3 O.S No. : 4530,4548,4562,4573,4574,4585,4603,4604,4615,4616,4652,4653,4686,4687,4711. Lab.

Sample No.: 9895 To 9909 Tested By: 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 1 : 2 : 4 , cast on 03/12/2020. For u/s cut off	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 13.00 Cum for one sets of cubes
			235.59	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/12/2020. For Bandhara Raft for bed	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	9.31	Qty represents - 9.00 Cum for one sets of cubes
			237.85	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/12/2020. For Ret.Wall LHS Foundation	28 th day compressive strength	271.83	Kg/Cm ²	210.00 Kg/cm ²	20.09	Qty represents - 14.00 Cum for one sets of cubes
			249.18	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	252.20	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/12/2020. For Ret.Wall RHS & LHS Foundation	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	18.30	Qty represents - 27.00 Cum for two sets of cubes
			244.65	Kg/Cm ²			
			258.24	Kg/Cm ²			
		Average	248.42	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/12/2020. For Ret.Wall RHS & LHS Foundation	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	13.98	----- do -----
			228.79	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	239.36	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 09/12/2020. For U/s appron	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 10.00 Cum for one sets of cubes
			215.20	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
7	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 10/12/2020. For pier raft	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	10.27	Qty represents - 23.00 Cum for two sets of cubes
			310.34	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	292.22	Kg/Cm²			
8	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 10/12/2020. For pier raft	28 th day compressive strength	310.34	Kg/Cm ²	265.00 Kg/cm ²	17.39	----- do -----
			305.81	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	311.10	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 11/12/2020. D/s appron	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	21.17	Qty represents -25.00 Cum for two sets of cubes
			249.18	Kg/Cm ²			
			255.97	Kg/Cm ²			
		Average	254.46	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 11/12/2020. D/s appron	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	20.09	----- do -----
			271.83	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	252.20	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 14/12/2020. D/s appron	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	17.94	Qty represents -25.00 Cum for two sets of cubes
			237.85	Kg/Cm ²			
			260.51	Kg/Cm ²			
		Average	247.67	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 14/12/2020. D/s appron	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	22.25	----- do -----
			262.77	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	256.73	Kg/Cm²			

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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 16/12/2020. D/s apron & Cut off wall	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents -33.00 Cum for two sets of cubes
			240.12	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	226.53	Kg/Cm ²			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 16/12/2020. D/s apron & Cut off wall	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	10.75	----- do -----
			237.85	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	232.57	Kg/Cm ²			
15	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/12/2020. R.W. 1 st Step	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents -16.00 Cum for one sets of cubes
			237.85	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	235.59	Kg/Cm ²			

- Copy to: 1. The Assistant Engineer , SD I , WD VI, WRD,Bicholim - 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 VI, WRD,Bicholim - Goa.
4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer