

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2674 to 2679,2704,2705,2713,2714,2718 to 2725/ Lab /175 / 2021 - 22 Dated:-04 /10/ 2021. Laboratory : Bicholim - Goa.

Sub Division V (QC)/WRD/ Bicholim-

Name of work : Construction of Pilgao-Narva Distributory of LBMC of T.I.P from Ch.12.330 km to tail end at village Narva Mayem in Bicholim Taluka.

Ref. to Requisition No.: WRD/WDVIII/SDVI/WF.246/2021-22/83 Dated :- 02/09/ 2021.

Qty. Received. : 18 Sets of cube Date of Receipt:- 02/ 09 / 2021. Tested on: 02,11,22,28,29/09/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1: 2: 4 & M 25 O.S No. :6917 to 6922,6952,6953,6960,6961,6965 to 6972/SS Lab. Sample No.: 2178 To 2195 Tested By: Mrs.Shirodkar. J.E.

Cube Test Witnessed by Shri.Niranjan Pednekar T.A, SD VI, WDVIII,WRD,Bicholim-Goa on 02/09/2021.

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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 M 25 , cast on 05/08/2021. For raft of retaining wall Ch. 0 - 40m.	28 th day compressive strenath	382.83	Kg/Cm ²	290.00 Kg/cm ²	28.10	Qty represents -147.00 Cum for six sets of cubes.
			360.18	Kg/Cm ²			
			371.50	Kg/Cm ²			
		Average	371.50	Kg/Cm²			
2	Cement concrete cube of mix M 25 , cast on 05/08/2021. For raft of retaining wall Ch. 0 - 40m.	28 th day compressive strenath	389.63	Kg/Cm ²	290.00 Kg/cm ²	28.63	----- do -----
			373.77	Kg/Cm ²			
			355.65	Kg/Cm ²			
		Average	373.01	Kg/Cm²			
3	Cement concrete cube of mix M 25 , cast on 05/08/2021. For raft of retaining wall Ch. 0 - 40m.	28 th day compressive strenath	362.44	Kg/Cm ²	290.00 Kg/cm ²	27.06	----- do -----
			357.91	Kg/Cm ²			
			385.09	Kg/Cm ²			
		Average	368.48	Kg/Cm²			
4	Cement concrete cube of mix M 25 , cast on 05/08/2021. For raft of retaining wall Ch. 0 - 40m.	28 th day compressive strenath	373.77	Kg/Cm ²	290.00 Kg/cm ²	25.76	----- do -----
			364.71	Kg/Cm ²			
			355.65	Kg/Cm ²			
		Average	364.71	Kg/Cm²			
5	Cement concrete cube of mix M 25 , cast on 05/08/2021. For raft of retaining wall Ch. 0 - 40m.	28 th day compressive strenath	376.03	Kg/Cm ²	290.00 Kg/cm ²	27.06	----- do -----
			385.09	Kg/Cm ²			
			344.32	Kg/Cm ²			
		Average	368.48	Kg/Cm²			
6	Cement concrete cube of mix M 25 , cast on 05/08/2021. For raft of retaining wall Ch. 0 - 40m.	28 th day compressive strenath	371.50	Kg/Cm ²	290.00 Kg/cm ²	29.15	----- do -----
			389.63	Kg/Cm ²			
			362.44	Kg/Cm ²			
		Average	374.52	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
7	Cement concrete cube of mix 1:2:4 , cast on 14/08/2021. PCC for raft retaining wall Ch.40-80m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 22.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	218.22			
8	Cement concrete cube of mix 1:2:4 , cast on 14/08/2021. PCC for raft retaining wall Ch.40-80m.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	4.27	----- do -----
			235.59	Kg/Cm ²			
			203.87	Kg/Cm ²			
			Average	218.98			
9	Cement concrete cube of mix M 25 , cast on 25/08/2021. For 1 st Lift of R/w Ch.0 - 40m.	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	5.19	Qty represents - 28.00 Cum for two sets of cubes.
			308.08	Kg/Cm ²			
			289.95	Kg/Cm ²			
			Average	305.06			
10	Cement concrete cube of mix M 25 , cast on 25/08/2021. For 1 st Lift of R/w Ch.0 - 40m.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	5.45	----- do -----
			308.08	Kg/Cm ²			
			299.01	Kg/Cm ²			
			Average	305.81			
11	Cement concrete cube of mix M 25 , cast on 31/08/2021. For 2 nd Lift of R/w Ch.0 - 40m.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	3.89	Qty represents - 26.00 Cum for two sets of cubes.
			317.14	Kg/Cm ²			
			294.48	Kg/Cm ²			
			Average	301.28			
12	Cement concrete cube of mix M 25 , cast on 31/08/2021. For 2 nd Lift of R/w Ch.0 - 40m.	28 th day compressive strength	319.40	Kg/Cm ²	290.00 Kg/cm ²	8.84	----- do -----
			321.67	Kg/Cm ²			
			305.81	Kg/Cm ²			
			Average	315.63			
13	Cement concrete cube of mix M 25 , cast on 01/09/2021. For Raft of retaining wall Ch. 40 - 80m.	28 th day compressive strength	267.30	Kg/Cm ²	290.00 Kg/cm ²	1.81	Qty represents - 147.60 Cum for six sets of cubes.
			308.08	Kg/Cm ²			
			310.34	Kg/Cm ²			
			Average	295.24			

Junior Engineer

Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Cement concrete cube of mix M 25 , cast on 01/09/2021. For Raft of retaining wall Ch. 40 - 80m.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	4.93	Qty represents - 147.60 Cum for six sets of cubes.
			317.14	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	304.30	Kg/Cm²			
15	Cement concrete cube of mix M 25 , cast on 01/09/2021. For Raft of retaining wall Ch. 40 - 80m.	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	2.33	----- do -----
			308.08	Kg/Cm ²			
			265.04	Kg/Cm ²			
		Average	296.75	Kg/Cm²			
16	Cement concrete cube of mix M 25 , cast on 01/09/2021. For Raft of retaining wall Ch. 40 - 80m.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	6.23	----- do -----
			310.34	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	308.08	Kg/Cm²			
17	Cement concrete cube of mix M 25 , cast on 01/09/2021. For Raft of retaining wall Ch. 40 - 80m.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	3.89	----- do -----
			294.48	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	301.28	Kg/Cm²			
18	Cement concrete cube of mix M 25 , cast on 01/09/2021. For Raft of retaining wall Ch. 40 - 80m.	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	9.62	----- do -----
			326.20	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	317.89	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD VI , WD VIII, 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 VIII ,WRD, Karaswada-Bardez- Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer