

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2726 to2729,2735,2736,2752 to 2757/ Lab /196 / 2021 - 22 Dated:-01/11/ 2021. Laboratory : Bicholim - Goa.

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

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.246/2021-22/92 Dated :- 01/10/ 2021.

Qty. Received. : 12 Sets of cube Date of Receipt:- 01/ 10 / 2021. Tested on: 02,04,10&27/10/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1: 2: 4 & M 25 O.S No. :6981,6982,6985,6986,6999,7000 to 7046/SS Lab. Sample No.: 2229 to 2240 Tested By: Mrs.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 04/09/2021. PCC for raft of retaining wall Ch. 80-120m.	28 th day compressive strenath	219.73	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 22.00 Cum for two sets of cubes.
			203.87	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 04/09/2021. PCC for raft of retaining wall Ch. 80-120m.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	5.71	----- do -----
			217.47	Kg/Cm ²			
			206.14	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
3	Cement concrete cube of mix M 25 , cast on 06/09/2021. For 1st Lift of R /w.Ch. 40-80m.	28 th day compressive strength	271.83	Kg/Cm ²	290.00 Kg/cm ²	5.45	Qty represents - 28.00 Cum for two sets of cubes.
			312.61	Kg/Cm ²			
			332.99	Kg/Cm ²			
		Average	305.81	Kg/Cm²			
4	Cement concrete cube of mix M 25 , cast on 06/09/2021. For 1st Lift of R /w.Ch. 40-80m.	28 th day compressive strength	362.44	Kg/Cm ²	290.00 Kg/cm ²	21.60	----- do -----
			339.79	Kg/Cm ²			
			355.65	Kg/Cm ²			
		Average	352.63	Kg/Cm²			
5	Cement concrete cube of mix M 25 , cast on 12/09/2021. For 2nd Lift of R /w.Ch. 40-80m.	28 th day compressive strength	328.46	Kg/Cm ²	290.00 Kg/cm ²	4.93	Qty represents - 26.00 Cum for two r sets of cubes.
			294.48	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	304.30	Kg/Cm²			
6	Cement concrete cube of mix M 25 , cast on 12/09/2021. For 2nd Lift of R /w.Ch. 40-80m.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	2.85	----- do -----
			312.61	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	298.26	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 M 25 , cast on 29//09/2021. For raft of retaining wall Ch. 80-120m	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	9.36	Qty represents - 147.60 Cum for six sets of cubes.
			326.20	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	317.14	Kg/Cm²			
8	Cement concrete cube of mix M 25 , cast on 29/09/2021. For raft of retaining wall Ch. 80-120m.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	4.15	----- do -----
			305.81	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	302.03	Kg/Cm²			
9	Cement concrete cube of mix M 25 , cast on 29/09/2021. For raft of retaining wall Ch. 80-120m.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	2.07	----- do -----
			312.61	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	295.99	Kg/Cm²			
10	Cement concrete cube of mix M25, cast on 29/09/2021. For raft of retaining wall Ch. 80-120m.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	2.85	----- do -----
			294.48	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	298.26	Kg/Cm²			
11	Cement concrete cube of mix M25 , cast on 29/09/2021. For raft of retaining wall Ch. 80-120m.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	3.11	----- do -----
			289.95	Kg/Cm ²			
			301.28	Kg/Cm ²			
		Average	299.01	Kg/Cm²			
12	Cement concrete cube of mix M25, cast on 29/09/2021. For raft of retaining wall Ch. 80-120m.	28 th day compressive strength	296.75	Kg/Cm ²	290.00 Kg/cm ²	6.49	----- do -----
			308.08	Kg/Cm ²			
			321.67	Kg/Cm ²			
		Average	308.83	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