

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2238,2239,2253,2254,2274,2275/ Lab /136/ 2021 - 22 Dated:-02/07/ 2021. Laboratory : Bicholim - Goa.
2322,2323,2341,2342,2399,2400,2451,2452 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work :Construction of Pilgao-Narve Distributory of LBMC of TIP from ch.8670m to ch.10.725m at Narve in Bicholim Taluka.(Balance Work).

Ref. to Requisition No.: SDII/WDVIII/WRD/F.160/2020-21/15 Dated :- 11/ 06/ 2021.

Qty. Recived. : 14 Sets of cube Date of Receipt:-11/ 06 / 2021. Tested on: -12,14,16,19,22,26,29/06/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:1.5:3 & 1: 2: 4 O.S No. :6469,6470,6484,6485,6507,6508,6555,6556,6574,6575,6638,6639,6692,6693/SS Lab. Sample No.: 1828 To 1841

Tested By: Mrs.Shirodkar. J.E.

REPORT PAGE 01 OF 03

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2021. For Box CD and chambers.	28 th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/cm ²	4.86	Qty represents -23.00 Cum for two sets of cubes.
			262.77	Kg/Cm ²			
			280.89	Kg/Cm ²			
			Average	277.87			
2	Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2021. For Box CD and chambers.	28 th day compressive strength	260.51	Kg/Cm ²	265.00 Kg/cm ²	3.72	----- do -----
			271.83	Kg/Cm ²			
			292.22	Kg/Cm ²			
			Average	274.85			
3	Cement concrete cube of mix 1:2:4 , cast on 17/05/2021. For Retaining wall ch.10330m.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents -24.00 Cum for two sets of cubes.
			240.12	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	226.53			
4	Cement concrete cube of mix 1:2:4 , cast on 17/05/2021. For Retaining wall ch.10330m.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	11.82	----- do -----
			219.73	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	234.83			
5	Cement concrete cube of mix 1:2:4 , cast on 19/05/2021. For Lining from ch.9330m- ch.9280m Retaining wall ch.10330m.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents -46.00 Cum for two sets of cubes.
			222.00	Kg/Cm ²			
			258.24	Kg/Cm ²			
			Average	237.10			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 03

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 19/05/2021. For Lining from ch.9330m-ch.9280m Retaining wall ch.10330m.	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	13.62	Qty represents -46.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	238.61	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 22/05/2021. For Lining from ch.9280m-ch.9180m.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents -48.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 22/05/2021. For Lining from ch.9280m-ch.9180m.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	9.31	----- do -----
			208.40	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 25/05/2021. For Lining from ch.9180m-ch.9080m.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents -49.00 Cum for two sets of cubes.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 25/05/2021. For Lining from ch.9180m-ch.9080m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	8.59	----- do -----
			231.06	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 29/05/2021. For Lining from ch.9080m-ch.8980m.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents -48.00 Cum for two sets of cubes.
			217.47	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 29/05/2021. For Lining from ch.9080m-ch.8980m.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	10.03	----- do -----
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	231.06	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 03 OF 03

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 01/06/2021. For Lining from ch.8980m-ch.8880m.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents -49.00 Cum for two sets of cubes.
			235.59	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
14	Cement concrete cube of mix 1:2:4 , cast on 01/06/2021. For Lining from ch.8980m-ch.8880m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.43	----- do -----
			231.06	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	223.51	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD II , WDVIII, WRD-Tivim-Bardez - 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