

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 5310 To 5313, 5324 To 5326, 5339 To 5342/ Lab /159/ 2022 - 23 Dated:- 06/03/2022. Laboratory : Bicholim - Goa.
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Piligao - Narva Distributory of LBMC of TIP from Ch. 12.330 km to tail end at village Narva Mayem in Bicholim Taluka.

Ref. to Requisition No.: WRD/WDVIII/SDIV/WF.246/2022-23/75 Dated :- 08/08/ 2022.

Qty. Recived. : 11 Sets of cube Date of Receipt:- 08/ 08 / 2022. Tested on: 13/08/2022 to 31/08/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M-25 & 1:1.5:3** O.S No.: 9266 To 9269, 9278 To 9280, 9297 To 9300/SS Lab. Sample No.: **5164 to 5174** 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 M-25 , cast on 16/07/2022. For tie beam concrete of pump house.	28 th day compressive strenath	292.22	Kg/Cm ²	290.00 Kg/cm ²	1.55	Qty represents - 16.00 Cum for two sets of cubes.
			287.69	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	294.48	Kg/Cm²			
2	Cement concrete cube of mix M-25 , cast on 16/07/2022. For tie beam concrete of pump house.	28 th day compressive strenath	294.48	Kg/Cm ²	290.00 Kg/cm ²	3.11	----- do -----
			296.75	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	299.01	Kg/Cm²			
3	Cement concrete cube of mix M-25 , cast on 17/07/2022. For 4 th lift of storage tank wall concrete.	28 th day compressive strenath	292.22	Kg/Cm ²	290.00 Kg/cm ²	4.15	Qty represents - 25.00 Cum for two sets of cubes.
			303.55	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	302.03	Kg/Cm²			
4	Cement concrete cube of mix M-25 , cast on 17/07/2022. For 4 th lift of storage tank wall concrete.	28 th day compressive strenath	280.89	Kg/Cm ²	290.00 Kg/cm ²	2.33	----- do -----
			310.34	Kg/Cm ²			
			299.01	Kg/Cm ²			
		Average	296.75	Kg/Cm²			
5	Cement concrete cube of mix M-25 , cast on 26/07/2022. For 5 th lift of storage tank wall concrete.	28 th day compressive strenath	292.22	Kg/Cm ²	290.00 Kg/cm ²	4.41	Qty represents - 39.00 Cum for three sets of cubes.
			305.81	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	302.79	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 M-25 , cast on 26/07/2022. For 5 th lift of storage tank wall concrete.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	4.67	Qty represents - 39.00 Cum for three sets of cubes.
			314.87	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	303.55	Kg/Cm²			
7	Cement concrete cube of mix M-25 , cast on 26/07/2022. For 5 th lift of storage tank wall concrete.	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	5.45	----- do -----
			305.81	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	305.81	Kg/Cm²			
8	Cement concrete cube of mix M-25 , cast on 03/08/2022. For 6 th lift of storage tank wall concrete & Sub station foundation.	28 th day compressive strength	326.20	Kg/Cm ²	290.00 Kg/cm ²	11.70	Qty represents - 25.00 Cum for two sets of cubes.
			337.52	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	323.93	Kg/Cm²			
9	Cement concrete cube of mix M-25 , cast on 03/08/2022. For 6 th lift of storage tank wall concrete & Sub station foundation.	28 th day compressive strength	314.87	Kg/Cm ²	290.00 Kg/cm ²	8.84	----- do -----
			317.14	Kg/Cm ²			
			314.87	Kg/Cm ²			
		Average	315.63	Kg/Cm²			
10	Cement concrete cube of mix 1:1.5:3 , cast on 03/08/2022. For Anchor block, thrust block (800 mm Dia)	28 th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/cm ²	12.27	Qty represents - 20.00 Cum for two sets of cubes.
			303.55	Kg/Cm ²			
			296.75	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
11	Cement concrete cube of mix 1:1.5:3 , cast on 03/08/2022. For Anchor block, thrust block (800 mm Dia)	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	8.85	----- do -----
			292.22	Kg/Cm ²			
			278.63	Kg/Cm ²			
		Average	288.44	Kg/Cm²			

- Copy to: 1. The Assistant Engineer , SD IV , WD VIII, WRD- Dodamarg - 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