

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :5268 to 5271,5288 to 5290/ Lab /148/ 2022 - 23 Dated:- 18/07/2022.

Laboratory : Bicholim - Goa.

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

Name of work :Augmentation of Right Bank Main Canal of T.I.P at ch 12.950 km from Kalna river to secure uninterrupted raw water supply for drinking, agricultural and industrial purpose during the annual canal maintenance period of TIP dam and its appurtenances".

Ref. to Requisition No.: SDIV/WDVII/WRD/F.19/2022-2023/46 Dt.:-08/07/ 2022

Qty. Received. : 07 Sets of cube Date of Receipt:- 08/07/ 2022. Tested on: 09 & 15/07/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M-30** O.S No. :9220 to 9223,9240 to 9242/SS Lab. Sample No.: **5137 to 5143** Tested By: Mrs. S. B. Naik Shirodkar J.E.

Cube test witnessed by Shri C. H. Gopi representative by agency M/s South East Construction Company Pvt. Ltd. on 09/07/2022.

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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 30 , cast on 11/06/2022. RCC for Retaining wall of river bank and five columns (1st lift).	28 th day compressive strenath	373.77	Kg/Cm ²	345.00 Kg/cm ²	11.62	Qty represents - 36.00 Cum for four sets of cubes.
			373.77	Kg/Cm ²			
			407.75	Kg/Cm ²			
			Average	385.09			
2	Cement concrete cube of mix M 30 , cast on 11/06/2022. RCC for Retaining wall of river bank and five columns (1st lift).	28 th day compressive strenath	387.36	Kg/Cm ²	345.00 Kg/cm ²	5.06	----- do -----
			332.99	Kg/Cm ²			
			366.97	Kg/Cm ²			
			Average	362.44			
3	Cement concrete cube of mix M 30 , cast on 11/06/2022. RCC for Retaining wall of river bank and five columns (1st lift).	28 th day compressive strenath	351.12	Kg/Cm ²	345.00 Kg/cm ²	1.33	----- do -----
			335.26	Kg/Cm ²			
			362.44	Kg/Cm ²			
			Average	349.61			
4	Cement concrete cube of mix M 30 , cast on 11/06/2022. RCC for Retaining wall of river bank and five columns (1st lift).	28 th day compressive strenath	344.32	Kg/Cm ²	345.00 Kg/cm ²	6.15	----- do -----
			376.03	Kg/Cm ²			
			378.30	Kg/Cm ²			
			Average	366.22			
5	Cement concrete cube of mix M 30 , cast on 17/06/2022. RCC for Retaining wall of river bank (III rd lift 8 m long approach to building).	28 th day compressive strenath	400.95	Kg/Cm ²	345.00 Kg/cm ²	10.97	Qty represents - 30.00 Cum for three sets of cubes.
			385.09	Kg/Cm ²			
			362.44	Kg/Cm ²			
			Average	382.83			

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 30 , cast on 17/06/2022. RCC for Retaining wall of river bank (III rd lift 8 m long approach to building).	28 th day compressive strength	391.89	Kg/Cm ²	345.00 Kg/cm ²	9.21	Qty represents - 30.00 Cum for three sets of cubes.
			366.97	Kg/Cm ²			
			371.50	Kg/Cm ²			
		Average	376.79	Kg/Cm²			
7	Cement concrete cube of mix M 30 , cast on 17/06/2022. RCC for Retaining wall of river bank (III rd lift 8 m long approach to building).	28 th day compressive strength	353.38	Kg/Cm ²	345.00 Kg/cm ²	7.46	----- do -----
			373.77	Kg/Cm ²			
			385.09	Kg/Cm ²			
		Average	370.75	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDIV , WD VII , WRD, Dhargal, Pernem - 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 VII ,WRD, Dhargal, Pernem - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer