

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 7284,7285,7308 To 7311 ,7423,7424,/ Lab / **240** /2019 - 20 Dated:- 10/06/ 2019 Laboratory : Bicholim- Goa.
7468,7469,7665,7666,7708 & 7709. Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of Work: - Flood Control measures including Re- Construction of road side drains and cross culverts at Mala Panaji – Goa.

Ref. to Requisition no.: MI/SDIV/WDI/WRD/ F.38 /2019-20/99 dated :-13/06/2019.

Qty. Recived. : 14 Sets of cube Date of Receipt: 15/06/2019. Tested on: 16/06/2019 To 09/07/2019. as per due dates. Ref to CPWD :2002, Vol. I

Sample: Cube **M-20 & M-30** Mix O.S No. :899,900/AF, 2263 to 2266,2322,2323,2367,2368,2498,2499,2530,2531/SS, Lab. Sample No.: 6172 to 6185.

Tested By: Mr. Anil R. Fadte. J.E. & Mrs. S.B. Naik Shirodkar. J.E.

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Plain Cement concrete cube of mix M-20 (R.M.C.) cast on 19/05/2019 for Foundation & Plinth (Base PCC - PDA road)	28 th day compressive strength	235.59	Kg/Cm2	236.00 Kg/Cm ²	10.06	Quantity represents 5.00 Cum for two sets of cubes.
			280.89	Kg/Cm2			
			262.77	Kg/Cm2			
			Average	259.75			
2	Plain Cement concrete cube of mix M-20 (R.M.C.) cast on 19/05/2019 for Foundation & Plinth (Base PCC - PDA road)	28 th day compressive strength	289.95	Kg/Cm2	236.00 Kg/Cm ²	17.10	... Do ...
			267.30	Kg/Cm2			
			271.83	Kg/Cm2			
			Average	276.36			
3	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 20/05/2019 for Foundation & Plinth (Top slab - ch. 0.00 to 6.00 m/ Pavement slab)	28 th day compressive strength	339.79	Kg/Cm2	345.00 Kg/Cm ²	4.40	Quantity represents 30.00 Cum for Four sets of cubes.
			378.30	Kg/Cm2			
			362.44	Kg/Cm2			
			Average	360.18			
4	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 20/05/2019 for Foundation & Plinth (Top slab - ch. 0.00 to 6.00 m/ Pavement slab)	28 th day compressive strength	362.44	Kg/Cm2	345.00 Kg/Cm ²	5.93	... Do ...
			373.77	Kg/Cm2			
			360.18	Kg/Cm2			
			Average	365.46			
5	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 20/05/2019 for Foundation & Plinth (Top slab - ch. 0.00 to 6.00 m/ Pavement slab)	28 th day compressive strength	380.56	Kg/Cm2	345.00 Kg/Cm ²	3.96	... Do ...
			353.38	Kg/Cm2			
			342.05	Kg/Cm2			
			Average	358.67			
6	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 20/05/2019 for Foundation & Plinth (Top slab - ch. 0.00 to 6.00 m/ Pavement slab)	28 th day compressive strength	355.65	Kg/Cm2	345.00 Kg/Cm ²	4.84	... Do ...
			362.44	Kg/Cm2			
			366.97	Kg/Cm2			
			Average	361.69			

Junior Engineer

Assistant Engineer

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 27/05/2019 for Foundation & Plinth (Bottom Raft - PDA road)	28 th day compressive strength	339.79	Kg/Cm2	345.00 Kg/Cm ²	7.90	Quantity represents 14.00 Cum for two sets of cubes.
			380.56	Kg/Cm2			
			396.42	Kg/Cm2			
			Average	372.26 Kg/Cm2			
8	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 27/05/2019 for Foundation & Plinth (Bottom Raft - PDA road)	28 th day compressive strength	362.44	Kg/Cm2	345.00 Kg/Cm ²	5.27	... Do ...
			382.83	Kg/Cm2			
			344.32	Kg/Cm2			
			Average	363.20 Kg/Cm2			
9	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 29/05/2019 for Foundation & Plinth (Side pardi - PDA road)	28 th day compressive strength	394.16	Kg/Cm2	345.00 Kg/Cm ²	6.15	Quantity represents 10.00 Cum for two sets of cubes.
			346.59	Kg/Cm2			
			357.91	Kg/Cm2			
			Average	366.22 Kg/Cm2			
10	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 29/05/2019 for Foundation & Plinth (Side pardi - PDA road)	28 th day compressive strength	355.65	Kg/Cm2	345.00 Kg/Cm ²	6.59	... Do ...
			362.44	Kg/Cm2			
			385.09	Kg/Cm2			
			Average	367.73 Kg/Cm2			
11	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 07/06/2019 for Foundation & Plinth (Top Slab - PDA road)	28 th day compressive strength	366.97	Kg/Cm2	345.00 Kg/Cm ²	5.06	Quantity represents 20.00 Cum for two sets of cubes.
			362.44	Kg/Cm2			
			357.91	Kg/Cm2			
			Average	362.44 Kg/Cm2			
12	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 07/06/2019 for Foundation & Plinth (Top Slab - PDA road)	28 th day compressive strength	373.77	Kg/Cm2	345.00 Kg/Cm ²	4.84	... Do ...
			360.18	Kg/Cm2			
			351.12	Kg/Cm2			
			Average	361.69 Kg/Cm2			
13	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 11/06/2019 for Foundation & Plinth (Top Wearing Coat - PDA road)	28 th day compressive strength	357.91	Kg/Cm2	345.00 Kg/Cm ²	4.62	Quantity represents 5.00 Cum for two sets of cubes.
			371.50	Kg/Cm2			
			353.38	Kg/Cm2			
			Average	360.93 Kg/Cm2			
14	Reinforced Cement concrete cube of mix M-30 (R.M.C.) cast on 11/06/2019 for Foundation & Plinth (Top Wearing Coat - PDA road)	28 th day compressive strength	355.65	Kg/Cm2	345.00 Kg/Cm ²	5.93	... Do ...
			378.30	Kg/Cm2			
			362.44	Kg/Cm2			
			Average	365.46 Kg/Cm2			

Copy to: 1. The Assistant Engineer ,SD IV,WD I,WRD, Porvorim - 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 I,WRD, Porvorim Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer