

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 6476,6477,6486,6487,6493,/Lab/15/2023 - 24 Dated:- 11/04/2023.
6494,6505,6506,6509,6510,6520,6521,6536,6537,6548,6549,6560,6561,6568,6569,6573,6574,6589,6590.

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

Name of work : Improvement to existing nallah from Fonseca house to the hall [Casa-do-Povo hall] V.P. St. Estevam in Cumbharjua Constituency.

Ref. to Requisition No : SDI/WDI/WRD/F.57/22-23/469 Dt.:- 09/03/2023

Qty. Recived : 24 Sets of cube Date of Receipt:- 24/03/2023.

Tested on: 24,25,27,28,29,30,31/03/2023 & 01,03,04,05,06/04/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No: 1025,1026,1037,1038/RK & 493,494,503,504,511,512,523,524,528,529,545,546,559,560,573,574,579,580,598,599/SS.

Lab. Sample No: 6564 to 6587 Tested By : Mrs. R.R. Kadam A.E & Mrs. S. B. Naik Shirodkar J.E.

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix 1:2:4, cast on 24/02/2023. for Foundation & Plinth.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 40.00 M3 for Two sets of cube.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4, cast on 24/02/2023. for Foundation & Plinth.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	10.75	---do---
			226.53	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4, cast on 25/02/2023. for Foundation & Plinth.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 42.00 M3 for Two sets of cube.
			233.32	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4, cast on 25/02/2023. for Foundation & Plinth.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	11.11	---do---
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	233.32	Kg/Cm²			

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Cement concrete cube of mix 1:2:4 , cast on 27/02/2023. for Foundation & Plinth.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 38.00 M3 for Two sets of cube.
			219.73	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
6	Cement concrete cube of mix 1:2:4 , cast on 27/02/2023. for Foundation & Plinth.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	4.99	---do---
			208.40	Kg/Cm ²			
			242.38	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 28/02/2023. for Foundation & Plinth.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 45.00 M3 for Two sets of cube.
			212.93	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 28/02/2023. for Foundation & Plinth.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	6.07	---do---
			210.67	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 01/03/2023. for Foundation & Plinth.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 41.00 M3 for Two sets of cube.
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 01/03/2023. for Foundation & Plinth.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.91	---do---
			212.93	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 02/03/2023. for Foundation & Plinth.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	11.82	Qty represents - 39.00 M3 for Two sets of cube.
			240.12	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	234.83	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 02/03/2023. for Foundation & Plinth.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	12.54	---do---
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	236.34	Kg/Cm²			

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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 03/03/2023. for Foundation & Plinth.	28 th day compressive strength	226.53	Ka/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 41.00 M3 for Two sets of cube.
			228.79	Ka/Cm ²			
			208.40	Ka/Cm ²			
			Average	221.24			
14	Cement concrete cube of mix 1:2:4 , cast on 03/03/2023. for Foundation & Plinth.	28 th day compressive strength	226.53	Ka/Cm ²	210.00 Kg/cm ²	3.55	---do---
			215.20	Ka/Cm ²			
			210.67	Ka/Cm ²			
			Average	217.47			
15	Cement concrete cube of mix 1:2:4 , cast on 04/03/2023. for Foundation & Plinth.	28 th day compressive strength	233.32	Ka/Cm ²	210.00 Kg/cm ²	13.98	Qty represents - 40.00 M3 for Two sets of cube.
			235.59	Ka/Cm ²			
			249.18	Ka/Cm ²			
			Average	239.36			
16	Cement concrete cube of mix 1:2:4 , cast on 04/03/2023. for Foundation & Plinth.	28 th day compressive strength	226.53	Ka/Cm ²	210.00 Kg/cm ²	3.91	---do---
			212.93	Ka/Cm ²			
			215.20	Ka/Cm ²			
			Average	218.22			
17	Cement concrete cube of mix 1:2:4 , cast on 06/03/2023. for 1st Lift.	28 th day compressive strength	258.24	Ka/Cm ²	210.00 Kg/cm ²	16.14	Qty represents - 44.00 M3 for Two sets of cube.
			246.91	Ka/Cm ²			
			226.53	Ka/Cm ²			
			Average	243.89			
18	Cement concrete cube of mix 1:2:4 , cast on 06/03/2023. for 1st Lift.	28 th day compressive strength	215.20	Ka/Cm ²	210.00 Kg/cm ²	10.39	---do---
			244.65	Ka/Cm ²			
			235.59	Ka/Cm ²			
			Average	231.81			
19	Cement concrete cube of mix 1:2:4 , cast on 07/03/2023. for 1st Lift.	28 th day compressive strength	226.53	Ka/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 45.00 M3 for Two sets of cube.
			210.67	Ka/Cm ²			
			212.93	Ka/Cm ²			
			Average	216.71			
20	Cement concrete cube of mix 1:2:4 , cast on 07/03/2023. for 1st Lift.	28 th day compressive strength	246.91	Ka/Cm ²	210.00 Kg/cm ²	11.11	---do---
			226.53	Ka/Cm ²			
			226.53	Ka/Cm ²			
			Average	233.32			

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
21	Cement concrete cube of mix 1:2:4 , cast on 08/03/2023. for 1st Lift.	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 42.00 M3 for Two sets of cube.
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
22	Cement concrete cube of mix 1:2:4 , cast on 08/03/2023. for 1st Lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.99	---do---
			212.93	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
23	Cement concrete cube of mix 1:2:4 , cast on 09/03/2023. for 1st Lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents - 44.00 M3 for Two sets of cube.
			208.40	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	215.95	Kg/Cm²			
24	Cement concrete cube of mix 1:2:4 , cast on 09/03/2023. for 1st Lift.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	6.07	---do---
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	222.75	Kg/Cm²			

Copy to: 1. The Assistant Engineer, SDI, WDI, 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, WDI, WRD, Porvorim - Goa.

4. QC Lab File. 5. Bill File.

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