

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9091,9168,9176,9190,9206,9224,9238,9269,9280,9299,9329 & 9348. / Lab / **509** / 2019 - 20 Dated:- 31 / 03 / 2020.  
Laboratory : Bicholim - Goa. Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of Work: - Construction of Protection wall to R.H.S. of Chapora River near Ibrampur in Pernem Taluka under ( SAGY ).**

Ref. to Requisition No.: MI/SDIII/WDI/WRD/ F.58/2019-20/ **375** Dated :- 03 / 03 / 2020.

Qty. Recived. : 12 Sets of cube Date of Receipt: - 03/03/2020. Tested on: 09/03/2020 To 28/03/2020. as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube 1:2:4 Mix O.S No. :3414/SS,638/SP,3475,3484,3499,3516,3533/SS,649,567,671,687 & 698/SP. Lab. Sample No.: 8231 To 8242

Tested By: Mrs. S.B. Naik Shirodkar. J.E. & Mr. S. M. Patri. A. 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 1:2:4 , cast on 10/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm2	210 kg/cm2	6.79	1. Quantity represents 28.00 Cum . 2. Exact location of work done is not specified.
			231.06	Kg/Cm2			
			203.87	Kg/Cm2			
		<b>Average</b>	<b>224.26</b>	<b>Kg/Cm2</b>			
2	Plain Cement concrete cube of mix 1:2:4 , cast on 15/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	217.47	Kg/Cm2	210 kg/cm2	2.48	1. Quantity represents 29.00 Cum . 2. Exact location of work done is not specified.
			212.93	Kg/Cm2			
			215.20	Kg/Cm2			
		<b>Average</b>	<b>215.20</b>	<b>Kg/Cm2</b>			
3	Plain Cement concrete cube of mix 1:2:4 , cast on 17/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	208.40	Kg/Cm2	210 kg/cm2	6.07	1. Quantity represents 28.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			219.73	Kg/Cm2			
			240.12	Kg/Cm2			
		<b>Average</b>	<b>222.75</b>	<b>Kg/Cm2</b>			
4	Plain Cement concrete cube of mix 1:2:4 , cast on 18/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	215.20	Kg/Cm2	210 kg/cm2	5.35	1. Quantity represents 27.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			222.00	Kg/Cm2			
			226.53	Kg/Cm2			
		<b>Average</b>	<b>221.24</b>	<b>Kg/Cm2</b>			
5	Plain Cement concrete cube of mix 1:2:4 , cast on 19/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	219.73	Kg/Cm2	210 kg/cm2	2.84	1. Quantity represents 29.00 Cum . 2. Exact location of work done is not specified.
			226.53	Kg/Cm2			
			201.61	Kg/Cm2			
		<b>Average</b>	<b>215.95</b>	<b>Kg/Cm2</b>			
6	Plain Cement concrete cube of mix 1:2:4 , cast on 20/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	260.51	Kg/Cm2	210 kg/cm2	12.18	1. Quantity represents 27.00 Cum . 2. Exact location of work done is not specified.
			226.53	Kg/Cm2			
			219.73	Kg/Cm2			
		<b>Average</b>	<b>235.59</b>	<b>Kg/Cm2</b>			

Junior Engineer

Assistant Engineer

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
7	Plain Cement concrete cube of mix 1:2:4 , cast on 21/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	210.67	Kg/Cm2	210 kg/cm2	4.63	1. Quantity represents 29.00 Cum . 2. Exact location of work done is not specified.
			208.40	Kg/Cm2			
			240.12	Kg/Cm2			
		<b>Average</b>	<b>219.73</b>	<b>Kg/Cm2</b>			
8	Plain Cement concrete cube of mix 1:2:4 , cast on 24/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	215.20	Kg/Cm2	210 kg/cm2	5.71	1. Quantity represents 28.00 Cum . 2. Exact location of work done is not specified.
			237.85	Kg/Cm2			
			212.93	Kg/Cm2			
		<b>Average</b>	<b>222.00</b>	<b>Kg/Cm2</b>			
9	Plain Cement concrete cube of mix 1:2:4 , cast on 25/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210 kg/cm2	4.27	1. Quantity represents 28.00 Cum . 2. Exact location of work done is not specified.
			217.47	Kg/Cm2			
			212.93	Kg/Cm2			
		<b>Average</b>	<b>218.98</b>	<b>Kg/Cm2</b>			
10	Plain Cement concrete cube of mix 1:2:4 , cast on 26/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210 kg/cm2	2.84	1. Quantity represents 29.00 Cum . 2. Exact location of work done is not specified.
			212.93	Kg/Cm2			
			208.40	Kg/Cm2			
		<b>Average</b>	<b>215.95</b>	<b>Kg/Cm2</b>			
11	Plain Cement concrete cube of mix 1:2:4 , cast on 28/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm2	210 kg/cm2	15.06	1. Quantity represents 29.00 Cum . 2. Exact location of work done is not specified.
			233.32	Kg/Cm2			
			253.71	Kg/Cm2			
		<b>Average</b>	<b>241.63</b>	<b>Kg/Cm2</b>			
12	Plain Cement concrete cube of mix 1:2:4 , cast on 29/02/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	224.26	Kg/Cm2	210 kg/cm2	11.82	1. Quantity represents 29.00 Cum . 2. Exact location of work done is not specified.
			253.71	Kg/Cm2			
			226.53	Kg/Cm2			
		<b>Average</b>	<b>234.83</b>	<b>Kg/Cm2</b>			

- Copy to: 1. The Assistant Engineer, SD III, WD I, WRD, 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 I,WRD, Porvorim Goa.  
4. QC Lab File.        5. Bill File.

Junior Engineer

Assistant Engineer