

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9401,9402,9409,9410,9427,9428,9432,9433,9442,9443,9453,9454,9461,9462,9464,9465/ Lab / **09** / 2020 - 21 Dated:- 16 / 04 / 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/ **409** Dated :- 19 / 03 / 2020.

Qty. Recived. : 16 Sets of cube Date of Receipt: - 21/03/2020. Tested on: 03/04/2020 To 16/04/2020. as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube 1:2:4 Mix O.S No. :723,728,733,736,739/SP,3553,3555,3557/SS. Lab. Sample No.: 8448 To 8462

Tested By:

Mr. S. M. Patri. A. E. & Mrs. S.B. Naik Shirodkar. J.E.

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cube of mix 1:2:4 , cast on 06/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	203.87	Kg/Cm2	210 kg/cm2	16.50	1. Quantity represents 29.00 Cum for two sets of cubes cast on 06/03/2020. 2. Exact location of work done is not specified.
			258.24	Kg/Cm2			
			271.83	Kg/Cm2			
		<b>Average</b>	<b>244.65</b>	<b>Kg/Cm2</b>			
2	Plain Cement concrete cube of mix 1:2:4 , cast on 06/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	249.18	Kg/Cm2	210 kg/cm2	19.38	.... Do ....
			231.06	Kg/Cm2			
			271.83	Kg/Cm2			
		<b>Average</b>	<b>250.69</b>	<b>Kg/Cm2</b>			
3	Plain Cement concrete cube of mix 1:2:4 , cast on 07/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	271.83	Kg/Cm2	210 kg/cm2	22.97	1. Quantity represents 29.00 Cum for two sets of cubes cast on 07/03/2020. 2. Exact location of work done is not specified.
			258.24	Kg/Cm2			
			244.65	Kg/Cm2			
		<b>Average</b>	<b>258.24</b>	<b>Kg/Cm2</b>			
4	Plain Cement concrete cube of mix 1:2:4 , cast on 07/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	274.10	Kg/Cm2	210 kg/cm2	21.17	.... Do ....
			222.00	Kg/Cm2			
			267.30	Kg/Cm2			
		<b>Average</b>	<b>254.46</b>	<b>Kg/Cm2</b>			
5	Plain Cement concrete cube of mix 1:2:4 , cast on 12/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	208.40	Kg/Cm2	210 kg/cm2	9.31	1. Quantity represents 28.00 Cum for two sets of cubes cast on 12/03/2020. 2. Exact location of work done is not specified.
			253.71	Kg/Cm2			
			226.53	Kg/Cm2			
		<b>Average</b>	<b>229.55</b>	<b>Kg/Cm2</b>			
6	Plain Cement concrete cube of mix 1:2:4 , cast on 12/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	233.32	Kg/Cm2	210 kg/cm2	10.75	.... Do ....
			226.53	Kg/Cm2			
			237.85	Kg/Cm2			
		<b>Average</b>	<b>232.57</b>	<b>Kg/Cm2</b>			

Junior Engineer

Assistant Engineer

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Plain Cement concrete cube of mix 1:2:4 , cast on 13/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	228.79	Kg/Cm2	210 kg/cm2	5.35	1. Quantity represents 29.00 Cum for two sets of cubes cast on 13/03/2020. 2. Exact location of work done is not specified.
			217.47	Kg/Cm2			
			217.47	Kg/Cm2			
		<b>Average</b>	<b>221.24</b>	<b>Kg/Cm2</b>			
8	Plain Cement concrete cube of mix 1:2:4 , cast on 13/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	206.14	Kg/Cm2	210 kg/cm2	5.71	.... Do ....
			222.00	Kg/Cm2			
			237.85	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 14/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	199.34	Kg/Cm2	210 kg/cm2	4.27	1. Quantity represents 29.00 Cum for two sets of cubes cast on 14/03/2020. 2. Exact location of work done is not specified.
			210.67	Kg/Cm2			
			246.91	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 14/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm2	210 kg/cm2	5.35	.... Do ....
			217.47	Kg/Cm2			
			215.20	Kg/Cm2			
		<b>Average</b>	<b>221.24</b>	<b>Kg/Cm2</b>			
11	Plain Cement concrete cube of mix 1:2:4 , cast on 16/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210 kg/cm2	15.06	1. Quantity represents 28.00 Cum for two sets of cubes cast on 16/03/2020. 2. Exact location of work done is not specified.
			258.24	Kg/Cm2			
			240.12	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 16/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	235.59	Kg/Cm2	210 kg/cm2	10.39	.... Do ....
			237.85	Kg/Cm2			
			222.00	Kg/Cm2			
		<b>Average</b>	<b>231.81</b>	<b>Kg/Cm2</b>			
13	Plain Cement concrete cube of mix 1:2:4 , cast on 18/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210 kg/cm2	7.87	1. Quantity represents 29.00 Cum for two sets of cubes cast on 18/03/2020. 2. Exact location of work done is not specified.
			233.32	Kg/Cm2			
			219.73	Kg/Cm2			
		<b>Average</b>	<b>226.53</b>	<b>Kg/Cm2</b>			
14	Plain Cement concrete cube of mix 1:2:4 , cast on 18/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	217.47	Kg/Cm2	210 kg/cm2	6.07	.... Do ....
			231.06	Kg/Cm2			
			219.73	Kg/Cm2			
		<b>Average</b>	<b>222.75</b>	<b>Kg/Cm2</b>			

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
15	Plain Cement concrete cube of mix 1:2:4 , cast on 19/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	210.67	Kg/Cm2	210 kg/cm2	8.23	1. Quantity represents 28.00 Cum for two sets of cubes cast on 19/03/2020. 2. Exact location of work done is not specified.
			244.65	Kg/Cm2			
			226.53	Kg/Cm2			
		<b>Average</b>	<b>227.28</b>	<b>Kg/Cm2</b>			
16	Plain Cement concrete cube of mix 1:2:4 , cast on 19/03/2020. P.C.C. for Nallah wall.	28 <sup>th</sup> day compressive strength	217.47	Kg/Cm2	210 kg/cm2	8.23	.... Do ....
			228.79	Kg/Cm2			
			235.59	Kg/Cm2			
		<b>Average</b>	<b>227.28</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