

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1587,1588,1592,1593,1599,1600,1605./ Lab /24 / 2021 - 22 Dated:- 24/04 / 2021. Laboratory : Bicholim - Goa.
1606,1637,1638,1648,1649,1661,1662,1679,1680 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work:-: Development of Poi in Survey No.169 near Fishing Jetty and Beautification of bund of River Chapora in V.P.Siolim in Siolim Constituency.

Ref. to Requisition No.: MI/WRD/SDI/WDI/F.57/20-21/752 Dated :- 19/ 03 / 2021.

Qty. Received. :16 Sets of cube Date of Receipt:- 19/03/ 2021. Tested on: -03,05,06,07,10,12,13 & 14/04/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 :2 :4 O.S No.:5739,5740,5748,5749,5757,5758,5767,5768,5804,5805,5816,5817,5830,5831,5848,5849/SS. Lab.Sample No.: 947 To 962
Tested By: Mrs. Shirodkar. J.E.

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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 1 :2 : 4 , cast on 06/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 258.24 | Kg/Cm ² | 210.00 Kg/cm ² | 18.30 | Qty represents - 32.00 Cum for two sets of cubes. |
| | | | 240.12 | Kg/Cm ² | | | |
| | | | 246.91 | Kg/Cm ² | | | |
| | | Average | 248.42 | Kg/Cm² | | | |
| 2 | Cement concrete cube of mix 1 :2 : 4 , cast on 06/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 249.18 | Kg/Cm ² | 210.00 Kg/cm ² | 20.09 | ----- do ----- |
| | | | 262.77 | Kg/Cm ² | | | |
| | | | 244.65 | Kg/Cm ² | | | |
| | | Average | 252.20 | Kg/Cm² | | | |
| 3 | Cement concrete cube of mix 1 :2 : 4 , cast on 08/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 212.93 | Kg/Cm ² | 210.00 Kg/cm ² | 5.71 | Qty represents - 33.00 Cum for two sets of cubes. |
| | | | 226.53 | Kg/Cm ² | | | |
| | | | 226.53 | Kg/Cm ² | | | |
| | | Average | 222.00 | Kg/Cm² | | | |
| 4 | Cement concrete cube of mix 1 :2 : 4 , cast on 08/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 231.06 | Kg/Cm ² | 210.00 Kg/cm ² | 8.95 | ----- do ----- |
| | | | 219.73 | Kg/Cm ² | | | |
| | | | 235.59 | Kg/Cm ² | | | |
| | | Average | 228.79 | Kg/Cm² | | | |
| 5 | Cement concrete cube of mix 1 :2 : 4 , cast on 09/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 226.53 | Kg/Cm ² | 210.00 Kg/cm ² | 3.91 | Qty represents - 29.00 Cum for two sets of cubes. |
| | | | 208.40 | Kg/Cm ² | | | |
| | | | 219.73 | Kg/Cm ² | | | |
| | | Average | 218.22 | Kg/Cm² | | | |

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 1:2:4 , cast on 09/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 228.79 | Kg/Cm ² | 210.00 Kg/cm ² | 12.90 | Qty represents - 29.00 Cum for two sets of cubes. |
| | | | 251.44 | Kg/Cm ² | | | |
| | | | 231.06 | Kg/Cm ² | | | |
| | | | Average | 237.10 | | | |
| 7 | Cement concrete cube of mix 1:2:4 , cast on 10/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 251.44 | Kg/Cm ² | 210.00 Kg/cm ² | 11.82 | Qty represents -32.00 Cum for two sets of cubes. |
| | | | 222.00 | Kg/Cm ² | | | |
| | | | 231.06 | Kg/Cm ² | | | |
| | | | Average | 234.83 | | | |
| 8 | Cement concrete cube of mix 1:2:4 , cast on 10/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 203.87 | Kg/Cm ² | 210.00 Kg/cm ² | 5.35 | ----- do ----- |
| | | | 233.32 | Kg/Cm ² | | | |
| | | | 226.53 | Kg/Cm ² | | | |
| | | | Average | 221.24 | | | |
| 9 | Cement concrete cube of mix 1:2:4 , cast on 13/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 246.91 | Kg/Cm ² | 210.00 Kg/cm ² | 16.86 | Qty represents - 30.00 Cum for two sets of cubes. |
| | | | 244.65 | Kg/Cm ² | | | |
| | | | 244.65 | Kg/Cm ² | | | |
| | | | Average | 245.40 | | | |
| 10 | Cement concrete cube of mix 1:2:4 , cast on 13/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 235.59 | Kg/Cm ² | 210.00 Kg/cm ² | 6.07 | ----- do ----- |
| | | | 215.20 | Kg/Cm ² | | | |
| | | | 217.47 | Kg/Cm ² | | | |
| | | | Average | 222.75 | | | |
| 11 | Cement concrete cube of mix 1:2:4 , cast on 15/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 244.65 | Kg/Cm ² | 210.00 Kg/cm ² | 19.02 | Qty represents - 28.00 Cum for two sets of cubes. |
| | | | 262.77 | Kg/Cm ² | | | |
| | | | 242.38 | Kg/Cm ² | | | |
| | | | Average | 249.93 | | | |
| 12 | Cement concrete cube of mix 1:2:4 , cast on 15/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 237.85 | Kg/Cm ² | 210.00 Kg/cm ² | 14.70 | ----- do ----- |
| | | | 249.18 | Kg/Cm ² | | | |
| | | | 235.59 | Kg/Cm ² | | | |
| | | | Average | 240.87 | | | |
| 13 | Cement concrete cube of mix 1:2:4 , cast on 16/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 208.40 | Kg/Cm ² | 210.00 Kg/cm ² | 3.20 | Qty represents - 33.00 Cum for two sets of cubes. |
| | | | 215.20 | Kg/Cm ² | | | |
| | | | 226.53 | Kg/Cm ² | | | |
| | | | Average | 216.71 | | | |

Junior Engineer

Assistant Engineer

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| SR. NO. | DISCRIPTION OF SAMPLE | TESTED FOR | RESULTS | | Max./Min.Value permissable | % above or below | REMARK |
|----------------|---|---|----------------|--------------------------|-----------------------------------|-------------------------|---|
| 14 | Cement concrete cube of mix 1 : 2 : 4 , cast on 16/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 217.47 | Kg/Cm ² | 210.00 Kg/cm ² | 4.27 | Qty represents - 33.00 Cum for two sets of cubes. |
| | | | 203.87 | Kg/Cm ² | | | |
| | | | 235.59 | Kg/Cm ² | | | |
| | | Average | 218.98 | Kg/Cm² | | | |
| 15 | Cement concrete cube of mix 1 : 2 : 4 , cast on 17/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 249.18 | Kg/Cm ² | 210.00 Kg/cm ² | 8.59 | Qty represents - 31.00 Cum for two sets of cubes. |
| | | | 208.40 | Kg/Cm ² | | | |
| | | | 226.53 | Kg/Cm ² | | | |
| | | Average | 228.04 | Kg/Cm² | | | |
| 16 | Cement concrete cube of mix 1 : 2 : 4 , cast on 17/03/2021. For Foundation & Plinth. | 28 th day compressive strength | 217.47 | Kg/Cm ² | 210.00 Kg/cm ² | 9.67 | ----- do ----- |
| | | | 246.91 | Kg/Cm ² | | | |
| | | | 226.53 | Kg/Cm ² | | | |
| | | Average | 230.30 | Kg/Cm² | | | |

Copy to: 1. The Assistant Engineer , SDI , 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

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