

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1261,1262,1270,1271,1295/ Lab /**304** /2020 - 21 Dated:- 17 /03/ 2021. Laboratory : Bicholim - Goa  
,1296,1304,1305 Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Improvement to Porio Bund in Ward No.3 at Pomburpa in Aldona Constituency.**

Ref. to Requisition No.:SDII/WDI/WRD/F.24/20-21/487 Dated :- 04/ 03/ 2021.

Qty. Recived. :08 Sets of cube Date of Receipt:- 10/ 03/ 2021. Tested on: -10,11,12 & 13/03/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. :5353,5354,5364,5365,5395,5396,5406,5407/SS Lab. Sample No.: 810 to 817

Tested By: Mrs. S.B. Naik 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 <b>1 : 2 : 4</b> , cast on 10/02/2021. P.C.C. For Foundation. | 28 <sup>th</sup> day compressive strength | 210.67        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 3.91             | Qty represents - 42.00 Cum for two sets of cubes. |
|         |   |   | 226.53        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   |   | 217.47        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   | <b>Average</b>                            | <b>218.22</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |   |
| 2       | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 10/02/2021. P.C.C. For Foundation. | 28 <sup>th</sup> day compressive strength | 231.06        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 3.55             | ----- do -----                                    |
|         |   |   | 212.93        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   |   | 208.40        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   | <b>Average</b>                            | <b>217.47</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |   |
| 3       | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 11/02/2021. P.C.C. For Foundation. | 28 <sup>th</sup> day compressive strength | 210.67        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 6.79             | Qty represents - 44.00 Cum for two sets of cubes. |
|         |   |   | 235.59        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   |   | 226.53        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   | <b>Average</b>                            | <b>224.26</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |   |
| 4       | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 11/02/2021. P.C.C. For Foundation. | 28 <sup>th</sup> day compressive strength | 237.85        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 7.51             | ----- do -----                                    |
|         |   |   | 226.53        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   |   | 212.93        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   | <b>Average</b>                            | <b>225.77</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |   |
| 5       | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 12/02/2021. P.C.C. For Foundation. | 28 <sup>th</sup> day compressive strength | 262.77        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 16.50            | Qty represents - 43.00 Cum for two sets of cubes. |
|         |   |   | 237.85        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   |   | 233.32        | Kg/Cm <sup>2</sup>       |                            |                  |   |
|         |   | <b>Average</b>                            | <b>244.65</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |   |

Junior Engineer

Assistant Engineer

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| <b>SR. NO.</b> | <b>DISCRIPTION OF SAMPLE</b>   | <b>TESTED FOR</b>                         | <b>RESULTS</b> |                          | <b>Max./Min.Value permissable</b> | <b>% above or below</b> | <b>REMARK</b>                                     |
|----------------|--|---|----------------|--------------------------|-----------------------------------|-------------------------|---|
| 6              | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 12/02/2021. P.C.C. For Foundation.                | 28 <sup>th</sup> day compressive strength | 237.85         | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>         | 12.18                   | Qty represents - 43.00 Cum for two sets of cubes. |
|                |  |   | 249.18         | Kg/Cm <sup>2</sup>       |                                   |                         |   |
|                |  |   | 219.73         | Kg/Cm <sup>2</sup>       |                                   |                         |   |
|                |  | <b>Average</b>                            | <b>235.59</b>  | <b>Kg/Cm<sup>2</sup></b> |                                   |                         |   |
| 7              | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 13/02/2021. P.C.C. For Foundation and top coping. | 28 <sup>th</sup> day compressive strength | 255.97         | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>         | 7.51                    | Qty represents - 45.00 Cum for two sets of cubes. |
|                |  |   | 208.40         | Kg/Cm <sup>2</sup>       |                                   |                         |   |
|                |  |   | 212.93         | Kg/Cm <sup>2</sup>       |                                   |                         |   |
|                |  | <b>Average</b>                            | <b>225.77</b>  | <b>Kg/Cm<sup>2</sup></b> |                                   |                         |   |
| 8              | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 13/02/2021. P.C.C. For Foundation and top coping. | 28 <sup>th</sup> day compressive strength | 244.65         | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>         | 11.11                   | ----- do -----                                    |
|                |  |   | 219.73         | Kg/Cm <sup>2</sup>       |                                   |                         |   |
|                |  |   | 235.59         | Kg/Cm <sup>2</sup>       |                                   |                         |   |
|                |  | <b>Average</b>                            | <b>233.32</b>  | <b>Kg/Cm<sup>2</sup></b> |                                   |                         |   |

Copy to: 1. The Assistant Engineer , SDII , WD I, WRD,Mapusa-Bardez - 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