

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 5350, 5351, 5356,5363 & 5365 /Lab/**163** / 2022 - 23 Dated:- 26/09/2022. Laboratory : Bicholim - Goa.

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

Name of work : "Flood Mitigation measures and construction of flood water pumping station at Mala, Panaji - Goa".

Ref. to Requisition No.: SDIV/WDI/WRD/F.38/22-23/371 Dt.:- 05/09/2022

Qty. Recived. : 5 Sets of cube Date of Receipt:- 05/09/2022. Tested on: 06,10,19 & 25/09/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M-30** O.S No. :9305, 9306,9311, 9327 & 9329/SS Lab. Sample No.: **5217 to 5221** 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 M-30 , cast on 09/08/2022. For Tie Beam & Bracket Concrete Casting. | 28 th day compressive strength | 362.44 | Kg/Cm ² | 345.00 Kg/cm ² | 1.33 | Qty represents - 12.00 M3 for two sets of cubes. |
| | | | 355.65 | Kg/Cm ² | | | |
| | | | 330.73 | Kg/Cm ² | | | |
| | | Average | 349.61 | Kg/Cm² | | | |
| 2 | Cement concrete cube of mix M-30 , cast on 09/08/2022. For Tie Beam & Bracket Concrete Casting. | 28 th day compressive strength | 328.46 | Kg/Cm ² | 345.00 Kg/cm ² | 2.21 | ---do--- |
| | | | 357.91 | Kg/Cm ² | | | |
| | | | 371.50 | Kg/Cm ² | | | |
| | | Average | 352.63 | Kg/Cm² | | | |
| 3 | Cement concrete cube of mix M-30 , cast on 13/08/2022. For Staircase sloping slab & Beams. | 28 th day compressive strength | 339.79 | Kg/Cm ² | 345.00 Kg/cm ² | 1.99 | Qty represents - 5.00 cum. |
| | | | 362.44 | Kg/Cm ² | | | |
| | | | 353.38 | Kg/Cm ² | | | |
| | | Average | 351.87 | Kg/Cm² | | | |
| 4 | Cement concrete cube of mix M-30 , cast on 22/08/2022. For Column Concrete casting above the Beam. | 28 th day compressive strength | 362.44 | Kg/Cm ² | 345.00 Kg/cm ² | 1.77 | Qty represents - 5.00 cum. |
| | | | 335.26 | Kg/Cm ² | | | |
| | | | 355.65 | Kg/Cm ² | | | |
| | | Average | 351.12 | Kg/Cm² | | | |
| 5 | Cement concrete cube of mix M-30 , cast on 28/08/2022. For pump foundation of 1500m3/hr 2Nos. | 28 th day compressive strength | 342.05 | Kg/Cm ² | 345.00 Kg/cm ² | 1.12 | Qty represents - 5.00 cum. |
| | | | 335.26 | Kg/Cm ² | | | |
| | | | 369.24 | Kg/Cm ² | | | |
| | | Average | 348.85 | Kg/Cm² | | | |

Copy to: 1. The Assistant Engineer , SD IV , 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.

Junior Engineer

Assistant Engineer