

**GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD / QC / F.6-2 / Cube -T -7680, 7700, 7715, 7724, 7785, 7826, 7853 / Lab / **260** / 2019 - 20 Dated:- 24/ 07 / 2019 Laboratory : Bicholim - Goa.
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Pilgao Narve Distributory of LBMC of TIP from Ch. 11.020 kms to Ch. 12.330 kms at Pilgao and Narva Villages in Bicholim Taluka.

Ref. to Requisition No.: WRD /WD VIII / SD II / F.160-5 /2019-20/53 dated :-04 / 07 / 2019.

Qty. Recived. : 07 Sets of cube Date of Receipt:- 06/ 07 / 2019. Tested on: - 06/07/2019 To 23/07/2019 as per due dates. Ref to CPWD :2002, Vol. I

Sample: Cube Mix 1 : 2 : 4 O.S No. : 2512,2523,2537,2546,2599,2639/SS & 1054/AF. Lab. Sample No.: 6618 To 6624

Tested By: Mrs. S.B. Naik Shirodkar. J.E. & Mr. Anil R. Fadte,J.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 08/06/2019, for retaining wall. | 28 th day | 269.57 | Kg/Cm ² | 210.00 Kg/cm ² | 24.41 | Quantity represented:19 Cu.m. Exact location of work done is not specified. |
| | | compressive | 265.04 | Kg/Cm ² | | | |
| | | strength | 249.18 | Kg/Cm ² | | | |
| | | Average | 261.26 | Kg/Cm² | | | |
| 2 | Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 10/06/2019, for retaining wall. | 28 th day | 260.51 | Kg/Cm ² | 210.00 Kg/cm ² | 10.75 | Quantity represented:18 Cu.m. Exact location of work done is not specified. |
| | | compressive | 226.53 | Kg/Cm ² | | | |
| | | strength | 210.67 | Kg/Cm ² | | | |
| | | Average | 232.57 | Kg/Cm² | | | |
| 3 | Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 11/06/2019, for retaining wall. | 28 th day | 235.59 | Kg/Cm ² | 210.00 Kg/cm ² | 12.18 | Quantity represented:21 Cu.m. Exact location of work done is not specified. |
| | | compressive | 253.71 | Kg/Cm ² | | | |
| | | strength | 217.47 | Kg/Cm ² | | | |
| | | Average | 235.59 | Kg/Cm² | | | |
| 4 | Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 12/06/2019, for retaining wall. | 28 th day | 231.06 | Kg/Cm ² | 210.00 Kg/cm ² | 10.39 | Quantity represented:19.5 Cu.m. Exact location of work done is not specified. |
| | | compressive | 249.18 | Kg/Cm ² | | | |
| | | strength | 215.20 | Kg/Cm ² | | | |
| | | Average | 231.81 | Kg/Cm² | | | |
| 5 | Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 18/06/2019, for retaining wall. | 28 th day | 215.20 | Kg/Cm ² | 210.00 Kg/cm ² | 7.15 | Quantity represented:19.8 Cu.m. Exact location of work done is not specified. |
| | | compressive | 224.26 | Kg/Cm ² | | | |
| | | strength | 235.59 | Kg/Cm ² | | | |
| | | Average | 225.02 | Kg/Cm² | | | |

Junior Engineer

Assistant Engineer

| SR.N O. | DISCRIPTION OF SAMPLE | TESTED FOR | RESULTS | | Max./Min.Value permissable | % above or below | REMARK |
|------------|--|---|---------------|--------------------------|-------------------------------|---------------------|---|
| | | | | | | | |
| 6 | Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 21/06/2019, for retaining wall. | 28 th day compressive strength | 231.06 | Kg/Cm ² | 210.00 Kg/cm ² | 11.47 | Quantity represented:18.5 Cu.m. Exact location of work done is not specified. |
| | | | 222.00 | Kg/Cm ² | | | |
| | | | 249.18 | Kg/Cm ² | | | |
| | | Average | 234.08 | Kg/Cm² | | | |
| 7 | Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 25/06/2019, for retaining wall. | 28 th day compressive strength | 215.20 | Kg/Cm ² | 210.00 Kg/cm ² | 8.23 | Quantity represented:25.00 Cu.m. Exact location of work done is not specified. |
| | | | 244.65 | Kg/Cm ² | | | |
| | | | 222.00 | Kg/Cm ² | | | |
| | | Average | 227.28 | Kg/Cm² | | | |

Copy to: 1. The Assistant Engineer , SDII , WD VIII, WRD, Tivim, 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 VIII ,WRD, Karaswada -Bardez - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer