



कोचीन शिपयार्ड केन्द्रीय प्रयोगशाला COCHIN SHIPYARD CENTRAL LABORATORY

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परीक्षण रिपोर्ट TEST REPORT

| | | |
|---|-----------------------|---|
| Customer: | Report No / Date | CSCS/TR/0002166/02/00/15-16 dt.17.03.16 |
| M/s Confident Projects (India) Pvt Ltd #868/2, S.A. Road Vytila, Kochi-19 | Your reference / Date | No. Nil dt.09.03.16 |
| | Our Reference / Date | 20160309E0002166 |
| | Sample description | Steel |
| | Quantity | 06 Set |
| Report Issued to: | Nature of Test | Mass per Meter, Tensile, Bend |
| M/s Confident Projects (India) Pvt Ltd Trivandrum Division | Test Reference | IS 1786:08, IS 1608:05, IS 1599:12 |
| | Samples received | 09.03.16 |
| | Date of Completion | 16.03.16 |
| | Test witnessed by | Not Applicable |

TEST RESULT PHYSICAL TEST

| | | | |
|-----------------------|------------|-----------------------|----------|
| Equipment / Capacity: | UTM/1000kN | Make: | Shimadzu |
| Date of Calibration: | 09.02.16 | Next Calibration due: | 08.02.17 |

| SI No. | Sample Id. | Mass per Meter (kg) | Tensile test | | | Bend Test | |
|--------|------------|---------------------|-------------------------|--------------------------|--------------------------|----------------|-------------|
| | | | YS (N/mm ²) | UTS (N/mm ²) | %Elongation in GL 5.65√A | Degree of Bend | Observation |
| 1 | 08 mm-1 | 0.375 | - | - | - | - | - |
| 2 | 08 mm-2 | - | 608.4 | 684.2 | 19.8 | - | - |
| 3 | 08 mm-3 | - | - | - | - | 5Φ/180° | Pass |
| 4 | 10 mm-1 | 0.553 | - | - | - | - | - |
| 5 | 10 mm-2 | - | 548.7 | 620.8 | 24.4 | - | - |
| 6 | 10 mm-3 | - | - | - | - | 4Φ/180° | Pass |
| 7 | 12 mm-1 | 0.884 | - | - | - | - | - |
| 8 | 12 mm-2 | - | 662.3 | 762.2 | 18.2 | - | - |
| 9 | 12 mm-3 | - | - | - | - | 5Φ/180° | Pass |
| 10 | 16 mm-1 | 1.517 | - | - | - | - | - |
| 11 | 16 mm-2 | - | 549.7 | 646.0 | 22.3 | - | - |
| 12 | 16 mm-3 | - | - | - | - | 4Φ/180° | Pass |
| 13 | 20 mm-1 | 2.402 | - | - | - | - | - |
| 14 | 20 mm-2 | - | 529.3 | 622.5 | 20.6 | - | - |
| 15 | 20 mm-3 | - | - | - | - | 4Φ/180° | Pass |
| 16 | 25 mm-1 | 3.855 | - | - | - | - | - |
| 17 | 25 mm-2 | - | 533.1 | 630.2 | 20.4 | - | - |
| 18 | 25 mm-3 | - | - | - | - | 5Φ*/180° | Pass |

YS: Yield Strength, UTS: Ultimate Tensile Strength, GL: Gauge Length, A: Cross Sectional Area

* - This Parameter does not come under the scope of NABL Accreditation.

Checked by

Jency Johnson

Jency Johnson

For C S C Laboratory



A MEGANATHAN

Authorized Signatory

Note:

****END****

♦ This Test Report refers ONLY to the samples submitted for the tests. ♦ This Test Report may not be reproduced except in full, without prior approval and cannot be used as evidence in a court of law and shall not be used in advertising media without prior permission in writing. ♦ Any correction not attested shall invalidate this report. ♦ Samples will be destroyed after 60 days from the date of completion of test. ♦ Any complaints about this report should be communicated in writing within 7 days of receipt of this report. ♦ Sample description is not verified in all cases and is given as described by the customer. ♦ Samples are not shown by us.

CSCS / FF-16, Issue Rev No. 01 02

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Quality Manager