

CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality
hereby attests that the product(s)

Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete

(Details as per the attached Scope of Certification)

manufactured by:

ESSEN STEEL INDUSTRY L.L.C.

KHIA4-18D, KIZAD-A4, Al Taweelah, Abu Dhabi, UAE

have been assessed in accordance with DCLD Document Ref. No. DM-DCLD-RD-DP21-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

ASTM A 416/A 416M: 17a

Accordingly, DCLD hereby authorizes the above manufacturer
to affix the DCL Product Conformity Mark on the above-mentioned product(s).



for / ENGR. AMIN AHMED AMIN
Director, Dubai Central Laboratory Department
Dubai Municipality



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مركز الاعتمادات الدولية
Emirates International Accreditation Centre
CB-003-PRD

Certificate No: CL19020721
Valid Until: 26/11/2020



Current Issue Date: 27/11/2019
Original Issue Date: 27/11/2019

The attached Scope of Certification bearing the same Certificate Number forms an integral part of this Certificate.
This Certificate is an electronic document subject to the Terms and Conditions of the Product Certification System and shall not be reproduced except in full.

**DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME**

**SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL19020721 Rev.01**

Certificate Issued To: ESSEN STEEL INDUSTRY L.L.C.
KHIA4-18D, KIZAD-A4, Al Taweelah, Abu Dhabi, UAE

Applicable Standard Specification: ASTM A 416/A 416 M -17a Specification for Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete

Applicable Specific Rules: RD-DP21-2131 (IC) "Specific Rules for Certification of Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete (as per ASTM A 416/A 416 M -17a) Through Factory Assessment".

| | | NOMINAL DIAMETER (MM) | PRODUCT DETAILS |
|---|---|--------------------------|--|
| 1 | Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete | 9.53 | Seven-Wire Low Relaxation Steel Strand Grade 1860[270] with nominal diameter 9.53mm, Minimum Breaking Strength Of 102 KN . |
| 2 | Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete | 12.70 | Seven-Wire Low Relaxation Steel Strand Grade 1860[270] with nominal diameter 12.70 mm, Minimum Breaking Strength Of 184 KN . |
| 3 | *Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete | *15.2 | *Seven-Wire Low Relaxation Steel Strand Grade 1860[270] with nominal diameter 15.2 mm, Minimum Breaking Strength Of 261 KN . |

NOTE 1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

NOTE 2: The above product shall bear the DCL Conformity Mark (applied on each product or on the packaging)

*NOTE 3: * Additional product added in the scope.*

NOTE 4: This supersedes the scope of certification issued on 27 November 2019.

Original Issue Date : 27 November 2019

Current Issue Date : 08 April 2020

Valid Until : 26 November 2020



ARIF HUSAIN AL MARZOOQI
Products Conformity Assessment Section Manager
Dubai Central Laboratory Department