

# 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



Certificate No: CL19020721  
Valid Until: 26/11/2021



Current Issue Date: 27/11/2020  
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**

**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:** **DM-DCLD-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".

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

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)

Original Issue Date : 27 November 2019  
Current Issue Date : 27 November 2020  
Valid Until : 26 November 2021

ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager  
Dubai Central Laboratory Department