

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:

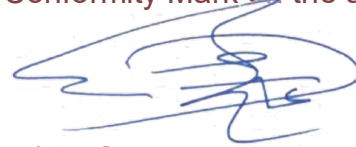
NATIONAL METAL MANUFACTURING AND CASTING CO. "MAADANIYAH"

Road 198 P.O. Box 10882 Jubail Industrial City 31961, KSA

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: CL11020152
Valid Until: 18/10/2021



Current Issue Date: 19/10/2020
Original Issue Date: 19/10/2011



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. CL11020152**

Certificate Issued To: **NATIONAL METAL MANUFACTURING AND CASTING CO. (MAADANIYAH).**
Road 198, P.O. Box 10882, Jubail Industrial City 31961, KSA

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	Steel Strand, Un-Coated Seven-Wire for Prestressed Concrete	9.53	Seven-Wire Low relaxation steel strand No. 9, grade 1860[270] with nominal diameter 9.53mm, minimum Breaking Strength of 102 kN.
2	Steel Strand, Un-Coated Seven-Wire for Prestressed Concrete	12.7	Seven-Wire Low relaxation steel strand No. 13, grade 1860[270] with nominal diameter 12.70 mm, minimum Breaking Strength of 184 kN.
3	Steel Strand, Un-Coated Seven-Wire for Prestressed Concrete	15.2	Seven-Wire Low relaxation steel strand No. 15, grade 1860[270] with nominal diameter 15.2 mm, minimum Breaking Strength of 261 kN.
4	Steel Strand, Un-Coated Seven-Wire for Prestressed Concrete	15.7	Seven-Wire Low relaxation steel strand No. 15, grade 1860[270] with nominal diameter 15.70 mm, minimum Breaking Strength of 279 kN.

NOTE1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

NOTE2: The above product shall bear the DCL Conformity Mark (applied on each product or on the packaging)

Original Issue Date : 19 October 2011
Current Issue Date : 19 October 2020
Valid Until : 18 October 2021



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