Issue Date	Rev. No.	Summary Of Amendments
28/07/2016	0	First draft for comments
03/08/2016	0	Final draft
09/08/2016	1	Issue for use
25/03/2019	2	Updated format as per new DM template and new DM logo

1. GENERAL

1.1 INTRODUCTION

1.1.1 This document prescribes the specific rules for the implementation of the DM Third Party Product Certification System through factory assessment as applied to the specific product(s) identified herein, taking into consideration the applicable normative references and standard specifications.

1.1.2 The applicant shall comply with these specific rules, **and** to those already mentioned in the "General Rule for DM Third Party Product Certification System Through Factory Assessment" DM-DCLD-RD-DP21-2001 (IC).

1.2 SCOPE

This specific rule specifies requirements for certifying plastic piping system for non-pressure underground drainage and sewerage application.

1.3 PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

1.3.1 Product Name: Plastic piping system for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE)

1.3.2 Applicable standard/Normative reference: BS EN 13476-2: 2007 Plastic piping system for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) –

Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A

1.3.3 Additional references:

1.3.3.1 ISO 9001:2015 - Quality Management System – Requirements
1.3.3.2 ISO 19011:2018 - Guidelines for Quality and Environmental Management System Auditing

1.4 DEFINITION OF TERMS

The definitions given in BS EN 13476-2: 2007, DM-DCLD-RD-DP21-2001 (IC) and in addition, the following shall apply:

1.4.1 Independent Testing Laboratory - Dubai Central Laboratory Department or any testing laboratory recognized by the DM Certification Body.

1.4.2 Independent Test – test performed or conducted by an Independent Testing Laboratory

1.4.3 Standard Specifications – refers to BS EN 13476-2

1.4.4 Factory Production Control and Quality Assurance Plan – a document being agreed upon both by the client and the certification body being used to ensure continuous compliance of the certified product.

1.4.5 QMS – Quality Management System aligned with the requirements of ISO 9001:2015 Standard.

2. REQUIREMENTS FOR CERTIFICATION

2.1 APPLICATION

2.1.1 Manufacturer of the product to be certified shall apply to Dubai Central Laboratory through Products Conformity Assessment Section for certification and authorization to use the DCL Conformity Mark.

2.1.2 Application forms shall be filled-up and submitted by the applicant-company together with the following documents

a. Industrial Trade License
b. Complete product description and specifications
c. Brief Description of Manufacturing Process
d. Copy of the Quality Manual (Controlled Copy)
e. Vicinity Map and Factory Layout
f. Valid Certification to ISO 9001 (If available)
g. List of personnel and their designation
h. Total Number of effective personnel involved in the manufacture of the product (technical, managerial, and support personnel)
i. List of available testing equipment and tests conducted internally
j. Others

2.1.3 Separate application shall be submitted for each product type or group of products that refers to a different specific rules

2.2 FACTORY OPERATION

2.2.1 Quality Management System

Applicant manufacturer shall have a Quality Management System that is aligned to the requirements of ISO 9001 standard.

NOTE: Certification to ISO 9001 is not a mandatory requirement.

2.2.2 Laboratory

The applicant manufacturer shall have a laboratory, (or access to a laboratory) that can perform the following minimum tests to check product compliance with the requirements of Standard Specification.

a. Geometrical characteristics
b. Physical characteristics
c. Mechanical characteristics
d. Performance requirements

2.3 INITIAL FACTORY AUDIT

2.3.1 DCL Certification Body shall designate an Audit Team to carry out initial factory audit. The Audit Team shall visit the applicant's factory/plant with the aim of ascertaining that the factory's quality management system is in accordance with the requirements of ISO 9001.

2.3.2 An independent certification to ISO 9001 issued by a QMS certification body recognized by DM shall be considered as having satisfied this requirement; however, the Audit Team shall carry out verification audit to confirm that the factory is in compliance with the QMS requirements.

2.3.3 Verification audit shall be conducted by designated Audit Team based on ISO 19011 – Guidelines for Quality and Environment Management System Auditing.

2.3.4 Any non-compliance found during the audit shall be raised as an NCR against the applicant manufacturer, subject to rectification by the applicant within an agreed period.

2.3.5 In order to proceed with the certification, all raised NCRs shall be rectified and closed out by the Audit Team.

2.4 PRODUCT EVALUATION

2.4.1 Sampling

2.4.1.1 The Audit Team shall prepare a sampling plan to cover the range of products that will be covered by the Scope of Certification.

2.4.1.2 Three sets of samples shall be taken either from the production line or warehouse; the first set, if applicable, shall be tested in the plant to be witnessed by an Audit Team member, the second set shall be sent to an independent testing laboratory while the third set will be kept by the manufacturer as reference for future use.

2.4.1.3 Test sample(s) for independent test shall be prepared and packed in the presence of Audit Team representative.

2.4.1.3 The Audit Team Representative shall affix his signature and (Reference) Sender Number on the sample that will be submitted to an independent testing laboratory.

2.4.2 Testing

The test to be carried out in accordance with the Standard Specification shall be as follows:

2.4.2.1 Material – When tested in accordance with Standard Specifications Clause [4], the product shall comply with the applicable requirements in Tables 1, 2, 3, or 4.

2.4.2.2 Appearance and color – When examined visually, appearance and color shall comply with the applicable requirements of Standard Specifications clause [6].

2.4.2.3 Geometrical characteristics – Geometrical characteristics shall comply with the applicable requirements of Standard Specifications clause [7].

2.4.2.4 Physical characteristics – When tested in accordance with Standard Specifications clause [8],

the product shall comply with the applicable requirements in Tables 9, 10, 11, 12, 13, or 14.

2.4.2.5 Mechanical characteristics – When tested in accordance with the Standard Specifications clause [9], the product shall comply with the applicable requirements in Tables 15, 16, or 17.

2.4.2.6 Performance requirements – When tested in accordance with Standard Specifications clause [10] , the product shall comply with the applicable requirements in Table 18.

2.4.2.7 The product shall comply with the applicable marking requirements as per Standard Specifications clause [11].

2.4.3 Independent test shall only be conducted if the result of the applicable in-plant test shows satisfactory results.

2.4.4 If the result of the test conducted by the independent testing laboratory shows non-conformance to the specified requirements, the applicant may request for a retest. The retest shall be carried out on the reference sample kept by the manufacturer, or, on new samples collected by DM Certification Body, on which full testing shall be carried out, if necessary.

2.4.5 If the retest passed, the initial product assessment is considered conforming to product specification. If not, the manufacturer will be advised to take corrective action.

2.4.6 Only after reassessment and subsequent product compliance shall the certification proceed with the granting of the DCL Certification.

3. GRANTING OF THE DCL CERTIFICATION

3.1 CONDITIONS FOR GRANTING THE DCL CERTIFICATION

3.1.1 When the results of the factory audit clause [2.3] and product evaluation clause [2.4] show conformity to the requirements specified in the General Rules and this Specific Rules, the certification shall be issued to the manufacturer for the scope and type(s) of the product tested.

3.1.2 The factory shall agree with the DM Certification Body for the preparation and implementation of a factory production control plan and an independent testing plan to ensure continuing compliance with the applicable standard specifications and the requirements of this certification scheme.

3.1.3 Factory Production Control System (Internal Product Quality Assurance Plan)

The factory shall prepare and submit to DM Certification Body for approval a factory production control system (internal product quality assurance plan).

The plan shall take into consideration the production process, the volume of production, the criticality of the test to be specified, frequency of sampling and testing, and other relevant factors.

3.1.4 Independent Testing Plan

The factory shall agree to an independent testing plan to be carried out on samples which are collected in accordance with DM-DCLD-RD-DP21-2096 (IC) – Surveillance of Certified Establishments under the Factory Assessment Scheme, and implemented by the DM Certification Body. The cost of testing under

the independent testing plan shall be borne by the factory.

3.2 ISSUANCE OF DCL CERTIFICATION

If the conditions mentioned in clause 3.1 above have been complied, the manufacturer shall be issued a DCL Conformity Certificate and a Scope of Certification that covers the type(s) of the products that are certified.

3.3 RESPONSIBILITIES OF THE CLIENT

3.3.1 Every certified client shall ensure that his product, for which a DCL Conformity Certificate has been issued, conforms at all times to the requirements of the General Rule and Specific Rules and shall maintain to the satisfaction of DCL, a system of quality control including inspection and testing.

3.3.2 The client shall give the duly authorized representative(s) of DCL, access during working hours, without prior notification, to the premises of the factory where certified product is manufactured, for the purpose of evaluating the materials, production processes, finished products, quality assurance facilities, records and others in accordance with the requirements of the scheme.

3.3.3 The client shall inform the DM Certification Body in writing of any change of management, transfer of plant site, modification in the product, manufacturing process or factory quality management system.

3.3.4 Upon transfer of plant site, the DCL Conformity Certificate shall be deemed valid only after factory and product audit at the new site has been satisfactorily completed.

3.3.5 Any infraction stated in the Terms and Conditions for the use of DCL Conformity Mark shall constitute sufficient grounds for suspension, withdrawal and cancellation of the DCL Conformity Certificate against a client.

3.3.6 Any dispute that may arise in connection with the Terms and Conditions of the DCL Conformity Mark shall be settled in accordance with DM-DCLD-IMS-RD-08 Appeals, Disputes, and Complaints Procedure.

3.3.7 The client shall pay all applicable fees related to the certification process.

4. SURVEILLANCE

4.1 DM Certification Body shall carry out periodic surveillance to ensure consistent compliance with the requirements of this certification scheme as per DM-DCLD-RD-DP21-2096 (IC) – Surveillance of Certified Establishments under the Factory Assessment Scheme.

4.2 The surveillance shall be in accordance with the Independent Testing Plan (clause 3.1.4) that has been agreed between the DCLD and the factory.

5. USE OF THE DCL CONFORMITY MARK

5.1 The design and use of the DCL Conformity Mark shall be in accordance with the Terms and Conditions for the Use of the DCL Mark of Conformity, DM-DCLD-IMS-RD-13

5.2 The certified client shall submit a product-marking proposal for approval by the DM Certification Body. The proposal shall include drawings and/or diagrams showing the location and size of the marking for

each size of the product/product container.

5.3 The authorization to use the DCL Conformity Mark is non-transferable.

6. FEE SCHEDULE

6.1 The client shall pay the applicable fees and charges related to the granting of the certification and authorization to use the DCL Conformity Mark based on the DCL Official Fee Structure, RD-DP21-2074 (IC).

6.2 The fees for this certification scheme shall include but not limited to the following

6.2.1 Application Fee
6.2.2 Initial Assessment Fee
6.2.3 Certification Fee
6.2.4 Marking Fee
6.2.5 Surveillance Fee
6.2.6 Annual Renewal Fee
6.2.7 Testing Fee