

# CERTIFICATE FOR MANUFACTURE ASSESSMENT

Certificate No.:  
311958-PA-DNV GL-IND Rev.0.0

Issue date:  
05, October, 2019

Valid date:  
05, October 2019 – 04 October 2024

This certificate consists of 2 pages

This is to certify that DNV-GL, at the request of

## **MADRAS HYDRAULIC HOSE (P) LTD**

Attended its Manufacturing unit located at,

**D – 16 (S) SIPCOT Industrial Complex,  
Gummidipoondi, Chennai - 601201, INDIA**

In order to carry out a survey of the facilities and associated quality procedures. It was observed that adequate capacity has been established for manufacturing, inspection and testing with respect to the applied standards EN ISO 10380:2012 Articles 4.1 to 4.16, 5.1 to 5.8, 6.5 & 7.1 to 7.4 for the following product;

**Manufacturer of Stainless Steel Corrugated Metal Hoses and Hose Assemblies with or without external wire braiding Size ranges starting from 6mm to 300mm (1/4" to 12")**

**TYPE – 1 – 50 – Corrugated Metal hose of high flexibility with high fatigue life.**

Pressure Range: Upto 405 bar

Temperature Range: -200 Deg C to 550 Deg C

This certification is valid subject to Annual facility surveys by DNV-GL and re-certification after five years.

Place and date:  
**Chennai, 05, October, 2019**

For the issuing office:  
**DNV GL Business Assurance India Pvt. Ltd.  
ROMA, No.10, G.S.T. Road,  
Chennai – 600 016, India**



**Iyer Hariharan Sundareswara**  
Manager – Product Certification

Certificate No.: 311958-PA-DNV GL-IND  
Place and Date: Chennai, 05<sup>th</sup> October, 2019  
Revision No.: 0.0

**Initial audit on the production site has been carried out by DNV GL Business Assurance India Pvt. Ltd. (Chennai), on 11<sup>th</sup> & 12<sup>th</sup> September, 2019**

**Terms and conditions for the Statement**

- Product Liability rests with manufacturer, in case of damages caused by defective products, Council Directive 85/374/EC, as amended, will apply;
- the system approval is valid only for the products listed above. For other types, an application for extension of the Statement must be sent to DNV GL Business Assurance India Pvt. Ltd. (Chennai);
- periodical audits and unexpected visits will be held, in order to verify that the manufacturer duly fulfils the obligations arising out of the approved quality system;
- the manufacturer shall fulfil the obligations arising out of the quality system as approved and uphold it so that it remains adequate and effective;
- the manufacturer must give information of any intended adjustments of the Quality System to DNV GL Business Assurance India Pvt. Ltd. (Chennai), who will assess the changes and decide if the Statement remains valid;
- products were assessed on sampling basis only;
- Madrats Hydraulic Hose (P) Ltd. shall be responsible for type testing as part of FPC at regular intervals as per table 13 of 6.5.2 of the Standard and draw up Declaration of Conformity after final assessment testing as per Table 14 of the Standard.

The following may render this statement invalid:

- changes in the quality system affecting production;
- periodical audits not held within the allowed time window.

**END OF STATEMENT**