



Indian Register of Shipping

Certificate No.: 2023PC001

PRODUCT CERTIFICATION

(Voluntary Certification at Manufacturer's Request for Non-Class Items)

This is to certify that the "AI enabled NDT system – Intelligent Weld Inspector (i-Weld)" is developed by GRSE Ltd. in collaboration with CoEAMT, IIT Kharagpur (Academia Partner) as described below has been found to comply with the reference standards and considered suitable for its intended purpose.

- Manufacturer** : **GARDEN REACH SHIPBUILDERS AND ENGINEERS LIMITED**
Office & Works:
GRSE Bhavan, 61, Garden Reach Road, Kolkata 700024
- Product Description** : NDT system – Intelligent Weld Inspector
(For details see Annexure-I).
- Reference Standards** : Manufacturer's Product Technical specifications
ISO 5817:2014, ISO 23053:2022
IRS procedures and guidelines
NES 773
- Intended Application** : Detecting, classifying and measuring of weld defects in ship hull structure using D-RT images of welds
- Conditions of Certification** : **See Annexure-I**
- Validity** : **This Certification is valid till 08th August 2028.**

ISSUE DATE: 09/08/2023
PLACE : MUMBAI


PREMJIT PANIGRAHI
SR PRINCIPAL SURVEYOR

See overleaf for conditions of Issue of this certificate