



# Indian Register of Shipping

Certificate No.: 11 WC 118

**AMENDED**

## **CERTIFICATE OF APPROVAL OF WELDING CONSUMABLES FOR USE IN SHIP CONSTRUCTION**

***This is to Certify*** that the electrode described below has been tested in accordance with the Society's requirements and is being retained in the approved list of consumables for Welding in Ship Construction.

<b>NAME OF MANUFACTURER</b>	:	<b>RASI ELECTRODES LTD.</b>
		<b>44/4, STOTTEN MUTHIA MUNDALI STREET, CHENNAI-600 079</b>
<b>TYPE OF ELECTRODE</b>	:	<b>COATED ELECTRODE FOR MANUAL ARC WELDING</b>
<b>TRADE NAME</b>	:	<b>RASI E 7018 LH</b>
<b>WELDING POSITION</b>	:	<b>ALL POSITIONS EXCEPT VERTICAL DOWNWARD</b>
<b>GRADE</b>	:	<b>3YH</b>
<b>SIZE (dia.) mm</b>	:	<b>2.5 TO 5.0mm</b>
<b>CURRENT TYPE</b>	:	<b>DC ( + ve)</b>

**Place : Mumbai**  
**Date : 20.09.2011**

  
**C. SRIRAMAMURTHY**  
**Chief Surveyor**

This certificate replaces Cert. No. 98WC190 dated 16.07.1998

The validity of this certificate is subject to Annual Approval being carried out in **FEBRUARY** every year and the attachment to this certificate being endorsed by the Society's Surveyors.

*See overleaf for conditions of issue of this Certificate*



# Indian Register of Shipping

The validity of this Certificate is renewed on satisfactory completion of Annual Approval in accordance with the Society's Rules.

Signature

R. Bala Murugan

Surveyor's Name

BALA MURUGAN R

Port

CHENNAI

Date

17-09-2024

IRS Stamp



Signature

R. Bala Murugan

Surveyor's Name

BALA MURUGAN R

Port

CHENNAI

Date

24-10-2025

IRS Stamp



Signature

Surveyor's Name

Port

Date

IRS Stamp

Signature

Surveyor's Name

Port

Date

IRS Stamp



# Indian Register of Shipping

Certificate No.: MDR22WC026

## CERTIFICATE OF APPROVAL OF WELDING CONSUMABLES FOR USE IN SHIP CONSTRUCTION

This is to certify that the electrode described below has been tested in accordance with the Society's rule requirements and is being included in the approved list of consumables for Welding in Ship Construction.

NAME & ADDRESS OF MANUFACTURER : RASI ELECTRODES LTD  
A/14,  
RAMS APARTMENTS  
RAJAANNAMALAI ROAD  
PURASAWALKKAM  
CHENNAI 600084  
TAMILNADU  
INDIA

TYPE OF ELECTRODE : SOLID WIRE (COPPER COATED)/GAS SHIELD

TRADE NAME : RASI CO2 (ER70S-6)

WELDING POSITIONS : All except Vertical Downwards

GRADE : 3Y

SIZE (dia.) mm : 0.8-1.2

CURRENT TYPE : DC (+ ve)

Place : Mumbai

Date : 10/03/2023



Tapesh Ghosh

Head of Department  
Ships and Technical Services  
Indian Register of Shipping

The validity of this certificate is subject to Annual Approval being carried out in **September** every year and the attachment to this certificate being endorsed by the society's Surveyors.

*See overleaf for conditions of issue of this certificate*





# Indian Register of Shipping

The validity of this Certificate is renewed on satisfactory completion of Annual Approval in accordance with the Society's Rules.

Signature K. S.  
Surveyor's Name K. Sathyanarayanan  
Port Chennai  
Date 15/09/2023



Signature R. Bala Murugan  
Surveyor's Name BALA MURUGAN R  
Port CHENNAI  
Date 17-09-2024



Signature R. Bala Murugan  
Surveyor's Name BALA MURUGAN R  
Port CHENNAI  
Date 06-10-2025



Signature \_\_\_\_\_  
Surveyor's Name \_\_\_\_\_  
Port \_\_\_\_\_  
Date \_\_\_\_\_

IRS Stamp



# Indian Register of Shipping

Certificate No.: 09 WC 113

## CERTIFICATE OF APPROVAL OF WELDING CONSUMABLES FOR USE IN SHIP CONSTRUCTION

*This is to Certify* that the electrode described below has been tested in accordance with the Society's requirements and is being retained in the approved list of consumables for Welding in Ship Construction.

NAME OF MANUFACTURER	:	RASI ELECTRODES LTD. RAJA ANAMALAI ROAD FLAT NO. A/14, 3 <sup>RD</sup> FLOOR CHENNAI - 600 008
TYPE OF ELECTRODE	:	COATED ELECTRODES FOR MANUAL ARC WELDING
TRADE NAME	:	RASI E 6013
WELDING POSITION	:	ALL POSITIONS
GRADE	:	2
SIZE (dia.) mm	:	2.5 to 5.0mm
CURRENT TYPE	:	AC/DC ( + ve)

Place : Mumbai  
Date : 20.08.2009

  
C. SRIRAMAMURTHY  
Chief Surveyor

The validity of this certificate is subject to Annual Approval being carried out in **FEBRUARY** every year and the attachment to this certificate being endorsed by the Society's Surveyors.

*See overleaf for conditions of issue of this Certificate*



# Indian Register of Shipping

Attachment to Cert. No. : 09 WC113

The validity of this Certificate is renewed on satisfactory completion of Annual Approval in accordance with the Society's Rules.

Signature

Surveyor's Name

Port

Date

*R. Hariprasad*

R. HARIPRASAD  
CHENNAI

31/10/2022

IRS Stamp



Signature

Surveyor's Name

Port

Date

*Dhiraj Kumar*

DHIRAJ KUMAR  
CHENNAI

15/09/2023.

IRS Stamp



Signature

Surveyor's Name

Port

Date

*R. Bala Murugan*

BALA MURUGAN R

CHENNAI

17-09-2024

IRS Stamp



Signature

Surveyor's Name

Port

Date

*R. Bala Murugan*

BALA MURUGAN R

CHENNAI

24/10/2025

IRS Stamp

