



D & H INDIA LTD

Important Approvals & Certifications

Head Off. & Correspondence Address : Plot 'A', Sector 'A', Industrial Area, Sanwer Road,
INDORE - 452 015 (M.P.) INDIA **Ph.:** +91 2973101 & 2974501 **Email:** ho@dnhindia.com

Regd. Off.: A-204, Kailash Esplanade, Opp. Shreyas Cinema, L.B.S. Marg, Ghatkopar (W)
MUMBAI - 400 086 (MH) INDIA **Ph.:** +91 22 25006441, **Website:** www.dnhindia.com

CIN : L28900MH1985PLC035822



ISO 9001 : 2015



D & H INDIA LTD

S No	D & H INDIA LTD BRAND NAME	APPROVALS						
		AWS CODE	ABS	DNV	LRS	BV	IR S	CE
1	STANDARD	E-6013	✓	✓	✓	✓	✓	✓
2	SUPER-LH	E-7018	✓	✓	✓	✓	✓	✓
3	SUPER-LH H4R	E-7018 H4R	✓	-	✓	✓	-	✓
4	SUPER-LH (SPL)	E-7018-1	✓	-	✓	✓	-	✓
5	SUPER-LH (SPL) H4R	E-7018-1 H4R	✓	✓	✓	✓	-	✓
6	MIGARC WS-6	ER70S6	-	-	-	✓	✓	✓
7	SUPERCORE-71 T-1	E71T1-1C	✓	✓	✓	✓	✓	✓

Head Off. & Correspondence Address : Plot 'A', Sector 'A', Industrial Area, Sanwer Road, INDORE - 452 015 (M.P.) INDIA **Ph.:** +91 2973101 & 2974501 **Email:** ho@dnhindia.com

Regd. Off.: A-204, Kailash Esplanade, Opp. Shreyas Cinema, L.B.S. Marg, Ghatkopar (W) MUMBAI - 400 086 (MH) INDIA **Ph.:** +91 22 25006441, **Website:** www.dnhindia.com

CIN : L28900MH1985PLC035822





D & H INDIA LTD

LIST OF APPROVAL

Sr. No.	APPROVAL AGENCY	Scope	Approval Agency Logo
01	ISO 9001:2015	MANUFACTURING AND SUPPLY OF WELDING ELECTRODES, SUBMERGED ARC FLUXES & WIRES, CO2 WELDING WIRES, FILLER WIRES, FLUX CORED WIRES AND M-CORED WIRES	
02	CE CERTIFICATE	All types of Welding Electrodes, MIG/MAG Filler Wire, TIG wires, Flux Cored Wires, Saw Wire & Saw Flux	

Sr. No.	BRAND NAME	AWS- CODE	APPROVAL AGENCY	Approval Agency Logo
01	STANDARD	E 6013	AMERICAN BUREAU OF SHIPPING (ABS)	
			BUREAU VERITAS (BV)	
			DET NORKSEY VERITAS (DNV)	
			LLOYD'S REGISTER OF SHIPPING (LRS)	
			INDIAN REGISTER OF SHIPPING (IRS)	
02	SUPER-LH	E 7018	AMERICAN BUREAU OF SHIPPING (ABS)	
			BUREAU VERITAS (BV)	
			DET NORKSEY VERITAS (DNV)	
			LLOYD'S REGISTER OF SHIPPING (LRS)	
			INDIAN REGISTER OF SHIPPING (IRS)	

Head Off. & Correspondence Address : Plot 'A', Sector 'A', Industrial Area, Sanwer Road, **INDORE** - 452 015 (M.P.) INDIA **Ph.:** +91 2973101 & 2974501 **Email:** ho@dnhindia.com

Regd. Off.: A-204, Kailash Esplanade, Opp. Shreyas Cinema, L.B.S. Marg, Ghatkopar (W) **MUMBAI** - 400 086 (MH) INDIA **Ph.:** +91 22 25006441, **Website:** www.dnhindia.com

CIN : L28900MH1985PLC035822





D & H INDIA LTD

03	SUPER-LH H4R	E 7018 H4R	AMERICAN BUREAU OF SHIPPING (ABS)	
			BUREAU VERITAS (BV)	
			LLOYD'S REGISTER OF SHIPPING (LRS)	
04	SUPER-LH (SPL)	E 7018-1	AMERICAN BUREAU OF SHIPPING (ABS)	
			BUREAU VERITAS (BV)	
			LLOYD'S REGISTER OF SHIPPING (LRS)	
05	SUPER-LH (SPL) H4R	E 7018-1	AMERICAN BUREAU OF SHIPPING (ABS)	
			LLOYD'S REGISTER OF SHIPPING (LRS)	
			BUREAU VERITAS (BV)	
06	MIGARC WS-6	ER 70S-6	BUREAU VERITAS (BV)	
			INDIAN REGISTER OF SHIPPING (IRS)	
07	SUPERCORE-71-T1	E 71T1-C	AMERICAN BUREAU OF SHIPPING (ABS)	
			BUREAU VERITAS (BV)	
			DET NORSKSEY VERITAS (DNV)	
			INDIAN REGISTER OF SHIPPING (IRS)	
			LLOYD'S REGISTER OF SHIPPING (LRS)	

Head Off. & Correspondence Address : Plot 'A', Sector 'A', Industrial Area, Sanwer Road, **INDORE** - 452 015 (M.P.) INDIA **Ph.:** +91 2973101 & 2974501 **Email:** ho@dnhindia.com

Regd. Off.: A-204, Kailash Esplanade, Opp. Shreyas Cinema, L.B.S. Marg, Ghatkopar (W) **MUMBAI** - 400 086 (MH) INDIA **Ph.:** +91 22 25006441, **Website:** www.dnhindia.com

CIN : L28900MH1985PLC035822



ISO 9001 : 2015



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 877178-6898677-001_____

Report No.: 6898677_____

Port of: Mumbai, India_____

Date: 21-APRIL-2025_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF D&H INDIA LIMITED, ATTEND THEIR PLANT AT PLOT-A, SEC-A, INDUSTRIAL AREA, SANWER ROAD, INDORE, M.P, INDIA, ON THE 13 DAY OF MARCH, 2025 AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE SHIELDED METAL ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
STANDARD	ABS	2	NA	ALL	AC/DCEN	2.50-5.0 MM
SUPER-LH	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM
SUPER-LH(SPL) H4R	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM



RAHUL VIDYADHAR BHAT SURVEYOR

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Certificate number : WM 12390/03/V.0

File number : 540/01

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

D & H INDIA LIMITED

Indore - INDIA

for the product

Covered Electrode for Manual Metal Arc Welding

Designation	: STANDARD
Grade	: 2
Description	: Rutile covering
Diameter	: 2.5 - 3.15 - 4.0 - 5.0 mm
Welding current	: AC/DC
Welding position	: All positions for butt welding except vertical downwards (PA, PF, PC, PE)
Remark	: Nil.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

This certificate will expire on: 06 Jun 2026

For Bureau Veritas Marine & Offshore,

Local office: BV MUMBAI (BOMBAY)

Issued on 18 Jun 2025

Surveyor: N. KANAWADE

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW0000047
Revision No:
2

This is to certify:

that the **Electrode**

with trade name
Standard

Manufacturer
D & H India Limited
Indore, Madhya Pradesh, India

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	2
Current	AC/DC
Approved diameter	2.5 mm - 5.0 mm
Positions	All, incl. vertical downwards
Remarks	-

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2024-06-05**

This Certificate is valid until **2029-06-04**.

DNV local unit: **India CMC MES**

Approval Engineer: **Dietmar Liebich**

for **DNV**

Digitally Signed By:
Martin Wenning
Location: DNV Hamburg,
Germany



Any significant change in design or construction may render this Certificate invalid.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.





Indian Register of Shipping

Certificate No.: 12 WC 117

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.

NAME OF MANUFACTURER	:	D & H INDIA LIMITED PLOT A, SECTOR-A, INDUSTRIAL AREA, SANWER ROAD, INDORE - 452 015, (M.P.)
TYPE OF ELECTRODE	:	COATED ELECTRODES FOR MANUAL ARC WELDING
TRADE NAME	:	STANDARD
WELDING POSITION	:	ALL POSITIONS
GRADE	:	2
SIZE (dia.) mm	:	2.5mm to 6.3mm
CURRENT TYPE	:	AC/DC (- ve)

Place : Mumbai
Date : 20.07.2012


C. SRIRAMAMURTHY
Chief Surveyor

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

See overleaf for conditions of issue of this Certificate

This Certificate replaces Cert. No. 97 WC 133 dated 01.12.1997.



Indian Register of Shipping

Attachment to Cert. No.: 12 WC 117

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


prashil Waghmare
Bhopal
19.10.2021



Signature

Surveyor's name

Port

Date


Prashil Waghmare
BHOPAL
15.12.2022



Signature

Surveyor's name

Port

Date


prashil Waghmare
Bhopal
27.10.2023



Signature

Surveyor's name

Port

Date


NITIN A RANE
Mumbai
02/08/24

IRS Stamp

MISC - CERT CONTD. (REV 0)



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 877178-6898677-001_____

Report No.: 6898677_____

Port of: Mumbai, India_____

Date: 21-APRIL-2025_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF D&H INDIA LIMITED, ATTEND THEIR PLANT AT PLOT-A, SEC-A, INDUSTRIAL AREA, SANWER ROAD, INDORE, M.P, INDIA, ON THE 13 DAY OF MARCH, 2025 AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE SHIELDED METAL ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
STANDARD	ABS	2	NA	ALL	AC/DCEN	2.50-5.0 MM
SUPER-LH	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM
SUPER-LH(SPL) H4R	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM



RAHUL VIDYADHAR BHAT SURVEYOR

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Certificate number : WM 12390/02/V.0

File number : 540/02

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

D & H INDIA LIMITED

Indore - INDIA

for the product

Covered Electrode for Manual Metal Arc Welding

Designation	: SUPER LH
Grade	: 3Y HHH
Description	: Basic covering
Diameter	: 2.5 - 3.15 - 4.0 - 5.0mm
Welding current	: AC/DC
Welding position	: All positions for butt welding except vertical downwards (PA, PF, PC, PE)
Remark	: Nil.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

This certificate will expire on: 06 Jun 2026

For Bureau Veritas Marine & Offshore,

Local office: BV MUMBAI (BOMBAY)

Issued on 18 Jun 2025

Surveyor: N. KANAWADE

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW0000049
Revision No:
2

This is to certify:

that the **Electrode**

with trade name
Super LH

Manufacturer
D & H India Limited
Indore, Madhya Pradesh, India

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	3 YH5
Current	AC/DC
Approved diameter	2.5 mm - 5.0 mm
Positions	All, incl. vertical downwards
Remarks	-

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2024-06-05**

This Certificate is valid until **2029-06-04**.

DNV local unit: **India CMC MES**

Approval Engineer: **Dietmar Liebich**

for **DNV**

Digitally Signed By:
Martin Wenning
Location: DNV Hamburg,
Germany



Any significant change in design or construction may render this Certificate invalid.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



CERTIFIED COPY



Indian Register of Shipping

Certificate No.: 12 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.

NAME OF MANUFACTURER : D & H INDIA LIMITED
PLOT A, SECTOR-A, INDUSTRIAL AREA,
SANWER ROAD,
INDORE - 452 015, (M.P.)

TYPE OF ELECTRODE : COATED ELECTRODES FOR MANUAL
ARC WELDING

TRADE NAME : SUPER - LH

WELDING POSITION : ALL POSITIONS

GRADE : 3Y HH

SIZE (dia.) mm : 2.5mm to 5mm

CURRENT TYPE : AC/DC (+ ve)

Place : Mumbai
Date : 20.07.2012


C. SRIRAMAMURTHY
Chief Surveyor

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

See overleaf for conditions of issue of this Certificate

This Certificate replaces Cert. No. 97 WC 125 dated 28.11.1997.

1 of 2



Indian Register of Shipping

Attachment to Cert. No.: 12 WC 118

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

Signature _____
Surveyor's name Prashil Waghmare
Port Bhopal
Date 19.10.2021



Signature _____
Surveyor's name Prashil Waghmare
Port BHOPAL
Date 15.12.2022



Signature _____
Surveyor's name Prashil Waghmare
Port Bhopal
Date 27.10.23



Signature _____
Surveyor's name NARGE
Port Mumbai
Date 02/08/24

IRS Stamp



ABS

WELDING CONSUMABLE MARKETING CERTIFICATE

Certificate No.: 877178-6598505-002_____

Report No.: 6598505_____

Port of: Mumbai_____

Date: 02 SEPT 2024_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF MARKETING COMPANY D&H INDIA LIMITED, ATTEND THEIR FACILITY AT PLOT 'A', SECTOR 'A', INDUSTRIAL AREA, SANWER ROAD INDORE, M.P, INDIA, ON THE 12 DAY OF JULY,2024, AND SUBSEQUENT DATES, IN ORDER TO CARRY OUT A SURVEY OF FACILITIES AND ASSOCIATED HANDLING/ STORAGE CONTROL PROCEDURES IN ACCORDANCE WITH ABS PROCESS FOR APPROVAL OF FIRMS MARKETING WELDING CONSUMABLES AND,

THAT THE FACILITY OF THE ELECTRODE MANUFACTURER SUPPLYING THE MARKETING COMPANY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT BASED ON CERTIFICATION TESTS WITNESSED BY ABS CONFIRMED AT THIS TIME, AND THAT EACH WELDING CONSUMABLE LISTED BELOW IS CONSIDERED IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE SUBMERGED ARC WELDING SECTION:

<u>BRAND NAME (OEM)</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
SUPER-LH H4R	ABS	3YH5	NA	ALL	AC/DCEP	2.5-5.0 MM

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



RAHUL VIDYADHAR BHAT, MUMBAI SURVEYOR

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Certificate number : WD 12390/05/C.0

File number : 12390 N 2023

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

D & H INDIA LIMITED

Indore - INDIA

for the product

Covered Electrode for Manual Metal Arc Welding

Designation	: SUPER - LH H4R
Grade	: 3Y HHH
Description	: Basic covering
Diameter	: 2.5 - 3.15 - 4.0 - 5.0mm
Welding current	: AC/DC
Welding position	: All positions for butt welding except vertical downwards (PA, PF, PC, PE)
Remark	: Nil.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which has been declared to Bureau Veritas Marine & Offshore as identical to a product already approved in compliance with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

This certificate will expire on: 06 Jun 2026

For Bureau Veritas Marine & Offshore,

Local office: BV MUMBAI (BOMBAY)

Issued on 18 Jun 2025

Surveyor: N. KANAWADE

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.



CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

Company	D&H India Limited
Address	Sector A Plot A, Sanwer Road Industrial Area, Indore, 452012, India
Type of welding consumable	Section 3 - Covered Electrodes
Trade name	SUPER LH H4R
Welding Process	Shielded Metal Arc Welding
Grade & Technique	3Ym
Welding Positions	Downhand, horizontal-vertical, vertical upward and downward, and overhead.
Weld Type	Butt and Fillet Welding.
Diameter (mm)	2.5 - 5.0
Current	DC(+)
Remarks	Approved low hydrogen consumable, conforming to standard H5.

Sufair Shaikh

Welding Team - Specialist to Lloyd's Register
EMEA
A member of the Lloyd's Register group



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 877178-6898677-001_____

Report No.: 6898677_____

Port of: Mumbai, India_____

Date: 21-APRIL-2025_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF D&H INDIA LIMITED, ATTEND THEIR PLANT AT PLOT-A, SEC-A, INDUSTRIAL AREA, SANWER ROAD, INDORE, M.P, INDIA, ON THE 13 DAY OF MARCH, 2025 AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE SHIELDED METAL ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
STANDARD	ABS	2	NA	ALL	AC/DCEN	2.50-5.0 MM
SUPER-LH	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM
SUPER-LH(SPL) H4R	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM



RAHUL VIDYADHAR BHAT SURVEYOR

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Certificate number : WM 12390/01/V.0

File number : 540/03

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

D & H INDIA LIMITED

Indore - INDIA

for the product

Covered Electrode for Manual Metal Arc Welding

Designation	: SUPER-LH (SPL)
Grade	: 3Y HHH
Description	: Basic covering
Diameter	: 2.5 - 3.15 - 4.0 - 5.0 mm
Welding current	: AC/DC
Welding position	: All positions for butt welding except vertical downwards (PA, PF, PC, PE)
Remark	: Nil.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

This certificate will expire on: 06 Jun 2026

For Bureau Veritas Marine & Offshore,

Local office: BV MUMBAI (BOMBAY)

Issued on 18 Jun 2025

Surveyor: N. KANAWADE

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 877178-6898677-001_____

Report No.: 6898677_____

Port of: Mumbai, India_____

Date: 21-APRIL-2025_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF D&H INDIA LIMITED, ATTEND THEIR PLANT AT PLOT-A, SEC-A, INDUSTRIAL AREA, SANWER ROAD, INDORE, M.P, INDIA, ON THE 13 DAY OF MARCH, 2025 AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE SHIELDED METAL ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
STANDARD	ABS	2	NA	ALL	AC/DCEN	2.50-5.0 MM
SUPER-LH	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM
SUPER-LH(SPL) H4R	ABS	3Y H5	NA	ALL	AC/DCEP	2.50-5.0 MM



RAHUL VIDYADHAR BHAT SURVEYOR

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

Company	D&H India Limited
Address	Sector A Plot A, Sanwer Road Industrial Area, Indore, 452012, India
Type of welding consumable	Section 3 - Covered Electrodes
Trade name	SUPER LH (SPL) H4R
Welding Process	Shielded Metal Arc Welding
Grade & Technique	3Ym
Welding Positions	Downhand, horizontal-vertical, vertical upward and downward, and overhead.
Weld Type	Butt and Fillet Welding.
Diameter (mm)	3.15 - 5.0
Current	DC(+)
Remarks	Approved low hydrogen consumable, conforming to standard H5.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Sufair Shaikh

Welding Team - Specialist to Lloyd's Register
EMEA
A member of the Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Certificate number : WD 12390/06/C.0

File number : 12390 N 2023

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

D & H INDIA LIMITED

Indore - INDIA

for the product

Covered Electrode for Manual Metal Arc Welding

Designation	: SUPER - LH (SPL)H4R
Grade	: 3Y HHH
Description	: Basic covering
Diameter	: 2.5 - 3.15 - 4.0 - 5.0 mm
Welding current	: AC/DC
Welding position	: All positions for butt welding except vertical downwards (PA, PF, PC, PE)
Remark	: Nil.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which has been declared to Bureau Veritas Marine & Offshore as identical to a product already approved in compliance with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

This certificate will expire on: 06 Jun 2026

For Bureau Veritas Marine & Offshore,

Local office: BV MUMBAI (BOMBAY)

Issued on 18 Jun 2025

Surveyor: N. KANAWADE

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

TYPE APPROVAL CERTIFICATE

This is to certify:
that the Electrode

with trade name
SUPER-LH (SPL) H4R

Manufacturer
D & H India Limited
Indore, Madhya Pradesh, India

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	3Y H5
Current	AC / DC
Approved diameter	2.5 mm - 5.0 mm
Positions	All, including vertical downwards
Remarks	Also for fillet welding

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2025-05-19**

This Certificate is valid until **2030-05-18**.

DNV local unit: **India CMC MES**

Approval Engineer: **Dietmar Liebich**

for **DNV**



Digitally Signed By:
Ludger Hachmöller
Location: DNV Hamburg,
Germany

Any significant change in design or construction may render this Certificate invalid.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Certificate number : WM 142001/01/C.0

File number : 142001 N 2023

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

D & H INDIA Limited

Indore - INDIA

for the product

Solid Wire / Gas Combination for Semi-Automatic or Automatic Welding

Designation	: MIGARC WS-6
Grade	: SA3YM H10
Description	: Gas Shield To be precised
Diameter	: 0.8-1.2 mm
Welding current	: DC+
Welding position	: All positions for butt and fillet welding including vertical downwards (PA, PF, PG, PB, PC, PE, PD)
Remark	: Shielding Gas:- 100% CO2

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

This certificate will expire on: 06 Jun 2026

For Bureau Veritas Marine & Offshore,

Local office: BV MUMBAI (BOMBAY)

Issued on 18 Jun 2025

Surveyor: N. KANAWADE

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.



Indian Register of Shipping

Certificate No.: BHP24WC005

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 : **D & H INDIA LIMITED**
VILLAGE SEJVAYA, GHATABILLOD
DHAR ROAD
DISTRICT DHAR 454773
MADHYA PRADESH
INDIA

TYPE OF ELECTRODE : **FLUX COATED WIRE/GAS SHIELD**

TRADE NAME : **MIGARC WS-6**

WELDING POSITIONS : **All Positions**

GRADE : **3Y S H5**

SIZE (dia.) mm : **0.80mm to 1.20mm**

CURRENT TYPE : **DC (+ ve)**

Tapesh Ghosh

Place : Mumbai

Date : 13/02/2024

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 **October** every year and the attachment to this certificate being endorsed by the society's Surveyors.

See overleaf for conditions of issue of this certificate



WELDING CONSUMABLE CERTIFICATE

Certificate No.: 487698-6899213-001_____

Report No.: 6899213_____

Port of: Mumbai, India_____

Date: 21-APRIL-2025_____

THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF D&H INDIA LIMITED, ATTEND THEIR PLANT AT VILLAGE SEJVAYA, DHAR ROAD, GHATABILLOD, DISTRICT DHAR, M.P - 454773, INDIA, ON THE 13 DAY OF MARCH, 2025 AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE FLUX CORED ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
SUPERCORE 71 T-1	ABS	3Y SA C1 H5	CO2	ALL	DCEP	1.20-1.60 MM



RAHUL VIDYADHAR BHAT SURVEYOR

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Certificate number : WM 142001/02/C.0

File number : 142001 N 2023

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

D & H INDIA Limited

Indore - INDIA

for the product

Flux-Cored Wire for Semi-Automatic or Automatic Welding with Shielding Gas

Designation	: SUPERCORE 71T-1
Grade	: SA3YM HH
Description	: Gas Shield CO2 100%
Diameter	: 1.2-1.6 mm
Welding current	: DC+
Welding position	: All positions for butt and fillet welding including vertical downwards (PA, PF, PG, PB, PC, PE, PD)
Remark	: NIL

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

This certificate will expire on: 06 Jun 2026

For Bureau Veritas Marine & Offshore,

Local office: BV MUMBAI (BOMBAY)

Issued on 18 Jun 2025

Surveyor: N. KANAWADE

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.



Certificate no.:
TAW00005S8

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Flux Cored Wire/Gas combination**

with trade name
SUPERCORE-71-T1 / C1

Manufacturer
D & H India Limited
Ghatabillod, Madhya Pradesh, India

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	III YMS H5
Current	DC(+)
Approved diameter	1.2 mm - 1.6 mm
Positions	All, including vertical downwards
Remarks	

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2024-06-05**

This Certificate is valid until **2029-06-04**.

DNV local unit: **India CMC MES**

Approval Engineer: **Dietmar Liebich**

for **DNV**

Digitally Signed By:
Martin Wenning
Location: DNV Hamburg,
Germany



Any significant change in design or construction may render this Certificate invalid.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.





Indian Register of Shipping

Certificate No.: BHP24WC004

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 : **D & H INDIA LIMITED**
VILLAGE SEJVAYA, GHATABILLOD
DHAR ROAD
DISTRICT DHAR 454773
MADHYA PRADESH
INDIA

TYPE OF ELECTRODE : **FLUX CORED WIRE**

TRADE NAME : **SUPERCORE 71-T1**

WELDING POSITIONS : **All Positions**

GRADE : **3Y S H5**

SIZE (dia.) mm : **1.20 MM,1.60 MM**

CURRENT TYPE : **DC (+ ve)**

Place : **Mumbai**

Date : **13/02/2024**

Tapes 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 **October** 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 _____
Surveyor's Name NITIN RANE
Port MUMBAI
Date 18/10/2024



Signature _____
Surveyor's Name _____
Port _____
Date _____

IRS Stamp

Signature _____
Surveyor's Name _____
Port _____
Date _____

IRS Stamp

Signature _____
Surveyor's Name _____
Port _____
Date _____

IRS Stamp



CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

Company	D&H India Limited
Address	Sector A Plot A, Sanwer Road Industrial Area, Indore, 452012, India
Type of welding consumable	Section 5 - Flux-Cored Wire/Gas Shield
Trade name	Supercore 71-T1/CO2
Welding Process	Flux Cored Arc Welding
Grade & Technique	3YS
Welding Positions	Downhand, horizontal-vertical, vertical upward and downward, and overhead.
Weld Type	Butt and Fillet Welding.
Diameter (mm)	1.2 -1.6
Current	DC(+)
Remarks	Approved also for automatic multirun welding in the downhand position only. Approved low hydrogen consumable, conforming to standard H5.

Jaspal Nirankari

Welding Team Leader to Lloyd's Register
EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.