

Certificate

TÜVNORD/15085/CL1/556/24/0

Report no. / Manufacturer no. / Validity notice: 8122440718 / TN2064 / 2024-03-15 - 2027-03-14

Welding of railway vehicles and components according to EN 15085-2:2020

TÜV NORD Systems GmbH & Co. KG hereby certifies that the welding company

**MADRAS HYDRAULIC HOSE PVT. LTD.
D-16, SIPCOT INDUSTRIAL COMPLEX
601201 GUMMIDIPOONDI, Tamilnadu
India**

fulfills the requirements of the TNS-EN15085 certification scheme for the scope

**EN 15085-2:2020 classification level CL1
in the type of activity P**

in the range indicated in the annex.

Lead auditor:
B.Eng. RAGHAVENDRAN

Hamburg, 2024-03-15



certification body, Dipl.-Ing. (FH) ROHARDT

TÜV NORD Systems GmbH & Co. KG
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Scope of the certificate

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Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
141	8.1	$D \geq 16.65 \text{ mm}$	FW, t1= 1.47 - 4.2; t2= 3 - 6.6
142	8.1	t = 0.75 - 3 mm	BW
15	8.1	t = 0.1 - 0.4 mm	BW, 151 Plasma MIG welding

Area of Application:

- New build of components for railway vehicles

Responsible welding coordinator(s):

T.S. Ravichandran, Level A (IWE) [external]

born: 1961-02-05

1st deputy(ies) of the responsible welding coordinator(s):

K.L. Naresh Raj, Level C

born: 1992-03-23

Others deputies:

S. Anandkrishnan, Level C

born: 1982-06-27

Remarks:

The welding coordinator T.S. Ravichandran is entitled to test welders / operators in accordance with the relevant standards within the scope of this certificate.