NARMADA TUBES PRIVATE LIMITED

Works: Plot No. Manjusar Sarkhi Industrial Estate, Sarkhi, Taluka Savli, Dist. Vadodara, Gujarat (India)
Head Office : 104, Sakar III, Opp. Old Octroi Court, Ahmedabad-380014

CM/L - 7300114597

Test Certificate for Steel Pipes for Water and Sewage

Test Certificate No. :- NTPL / QA / 2025 -26 / 00121

To, M/s. NTPC TAMILNADU ENERGY CO. LTD. (NTECL)

VALLUR TERMAL POWER PROJECT PO: VELLIVOYAL CHAVADI, PONNERI TALUK, DIST- THIRUVALLUR
CHENNAI - 600103 (TN)

Date : 26-05-2025

CONSIGNEE: MANAGER/SR. MANAGER (STORES). M/S NTPC TAMILNADU ENERGY CO. LTD. (NTECL),
VALLUR THERMAL POWER PROJECT, PO: VELLIVOYAL CHAVADI, PONNERI TALUK, DIST: THIRUVALLUR, CHENNAI - 600103 (TN)

We certify that the material described below fully conforms to IS:3589-2001 Chemical composition and physical properties of the product as tested in accordance with the scheme of testing and inspection contained in the BI Certification Marks Licence No. CM/L : 7300114597 are as indicated below against Order No. Po No.:- GEMC-511687775540020 DTD - 12-05-2025

(Please refer to IS: 3589 - 2001 for details of Specification requirements)

Test Results

Order No. & Date	Control Unit No. / Lot No., Batch No.	Grade and Type	Dimension and Tolerances: Outside Diameter (mm)	Thickness (mm)	Length (Mtrs.)	Qty. in Mtrs. / Pcs. / Tonn	Cast / Heat No.	Chemical Composition: C%	S%	P%	Si%	Mn%	Al%	Micro Alloying Elements %	Physical Properties: Tensile Strength (Mpa)	Yield Stress (Mpa)	% EL	G.Bend Test	Hydrulic Test
Work Order No. AE -403	15052025	Fe410 SAW BE	914.00	9.50	7.500 to 12.000 Mtrs. Random	3998.285Mtrs. 334 Nos.	R28520	0.145	0.0070	0.009	0.164	0.912	0.041	0.006	501	370	29.46	PASSED	Passed Test Pressure 3.00 Mpa / Holding Time Seconds.
	16052025						P31733	0.154	0.0045	0.013	0.164	0.168	0.037	0.006	493	351	29.00	PASSED	
	17052025						R28521	0.148	0.0055	0.009	0.163	0.914	0.042	0.006	512	376	30.50	PASSED	
	19052025						Q29958	0.151	0.0075	0.007	0.169	0.941	0.05	0.006	500	363	29.00	PASSED	
	20052025						R28523	0.156	0.0098	0.006	0.009	0.897	0.038	0.004	500	361	29.00	PASSED	
	21052025						Q29956	0.152	0.0074	0.007	0.158	0.880	0.034	0.006	508	382	31.46	PASSED	
	22052025						R28519	0.148	0.0048	0.008	0.176	0.915	0.034	0.006	507	360	29.52	PASSED	
	23052025						S31614	0.146	0.0029	0.009	0.168	0.924	0.038	0.007	494	367	28.00	PASSED	
	24052025						R28528	0.153	0.0024	0.009	0.162	0.818	0.04	0.004	506	367	27.00	PASSED	
	26052025						S31708	0.140	0.0039	0.008	0.156	0.855	0.042	0.014	491	350	29.00	PASSED	

Material Code No :- M1613539101

P.O. No. : GEMC-511687775540020 DTD - 12-05-2025

Remark : Test certificate meet the Requirement of EN 10204, TYPE 3.1

Following Inspection & Testing activities are carried out as per Approved NTPC-SQP (Standard Quality Plan).

1. 100% Visual & Dimensional inspection carried out by M/s. NTPL & 08 Nos. Witnessed by M/s. ICS Ltd. as per IS 4711-Found Satisfactory.
2. 100% Hydro Testing carried out by NTPL & 5% (18 Nos) Witnessed By M/s. ICS Ltd. -No pressure drop & Leakage Observed.
3. Mechanical Testing (Tensile & Guided Bend Test) Performed by NTPL & Witnessed by M/s. ICS Ltd. as per IS 4711 -Found Satisfactory.
4. All pipes Externally Black Painted on Outer Surface & Stenciling Marking – 'ISI MONOGRAM, IS:3589, IS LICENSE NO., NARMADA, SIZE, THK., FE410 SAW, P.O. NO., ITEM NO. HEAT NO./ BATCH NO., PIPE NO. ...LENGTH... TO BE STENCILLED AT INSIDE ONE END OF PIPE.

PIPE NO. AS PER ATTACHED FINAL INSP. REPORT

For, Narmada Tubes Private Limited

Challan No. & Date :25-26/...

Truck No.:

ISI MONOGRAM, IS:3589, IS LICENSE NO., NARMADA, SIZE, THK., FE410 SAW, P.O. NO., ITEM NO. HEAT NO./ BATCH NO., PIPE NO. ...LENGTH... TO BE STENCILLED AT ONE END OF PIPE.

HOD (QA QC)

This is to certify that the Pipes are manufactured, tested and inspected in accordence with the product Speen. IS: 3589 -2001.
Since the Pipes found meeting all the requirements of IS: 3589 -2001.

ICS INDIA PVT LTD.

Office : 17 – 18 Omnkar Industrial Premises Co-Op. Society Ltd.
Sector 7, Plot No. 139, PCNTDA, Pradhikaran, Bhosari. Pune - 411 026. India
Tel: 020-66305050 /66141841/42/43/44 Mob: 09822041076 Email: inspcos@yahoo.com Web: www.icsipl.org

INSPECTION RELEASE NOTE
(Original Copy)

IRN No. & Date.:	IRN/ICS/2025/05/AT/NTECL/NTPL/001. DT. 28.05.2025
Ref.Final IR No.& Date:	IR/ICS/2025/05/AT/NTECL/NTPL/001. DT. 23.05.2025,24.05.2025 & 26.05.2025
Client Name:	M/s. NTPC TAMILNADU ENERGY CO. LTD.
Supplier Name:	M/s NARMADA TUBES PRIVATE LIMITED
Project Name:	Vallur Thermal Power Project, Vallur -Chennai
PO No.:	GEMC-511687775540020 dt:12.05.2025
WO /SO No.:	NA
Item Description.:	PIPE MS BLACK, SAW (SPIRALLY WELDED)
Standard Specification	AS PER PO
Material Identified as	
STATUS OF VISIT	☐ INITIAL ☐ STAGE ✓ FINAL

Item Sr. No. as per PO	Item Description in details with Item Code as per PO	Ordered Qty.	Offered Qty.	Released Qty.	Reject/ Rework Qty.	Balance Qty.	Remarks
02	1100 MM NB X 1118 MM OD X 12 MM THK M1613539301	24 Mtrs.	23.660 Mtrs.	23.660 Mtrs.	—	0.34 Mtrs.	Accepted
03	900 MM NB X 914 MM OD X 9.50 MM THK M1613539101	4000 Mtrs.	3998.285 Mtrs.	3998.285 Mtrs.	—	1.715 Mtrs.	Accepted
04	1400 MM NB X 1422 MM OD X 12.5 MM THK M1613539401	24 Mtrs.	23.670 Mtrs.	23.670 Mtrs.	—	0.34 Mtrs.	Accepted

Order Status: Partial — Completion Date: 26.05.2025

Reason for Rejection/ Rework: - (If applicable) N/A
Original (Client Name):M/s NTPC TAMILNADU ENERGY CO. LTD
Place.: BARODA
"Inspection has been carried out based on Purchase Specification, drawings /data sheets /approved QAP/ITP"
Inspection Engineer: ASHWIN TADVI

ICS INDIA PVT LTD ICS 2003

ICS INDIA PVT LTD ICS 2003

Pune, Mumbai, Delhi, Chennai, Bangaluru, Baroda, Ahmedabad, Hyderabad, Kolkata, Trichy, Bhopal, Nagpur, Kolhapur, Aurangabad, Hubli.

Total Inspection Solutions

Material accepted and cleared for dispatch based on Inspection Report.

28/05/25

D K MARGHADE
Sr. Manager (FQA)
NTPC Tamilnadu Energy Company Ltd.
Vallur Thermal Power Station
P.O.: Vellivoyal Chavadi, Chennai-600 103.