



**STEEL AUTHORITY OF INDIA LIMITED  
ROURKELA STEEL PLANT  
ROURKELA - 769011 (ORISSA)  
RESEARCH AND CONTROL LABORATORY**

IS 3589

Page 1 of 2



CM/L 1277452

<b>Test Certificate For: ELECTRIC RESISTANCE WELDED STEEL PIPES</b>		
<b>Test Certificate No: 871592</b>	<b>Dated: 23.02.2026</b>	Product : ERW Pipe
<b>Specification: IS - 3589 : 2001 ERW Pipes in Single/Double Random Lengths.</b>		
<b>To: FERROBEAM STEEL AND PIPES PVT LTD INDUSTRIAL ESTATE, KALUNGA, ROURKELA 770031</b>		

All the pipes are mill tested to hydrostatic pressure for 5 seconds. Flattening Test of all pipes found OK. The material has been manufactured, sampled, tested and inspected in accordance with IS 3589 - 2001 and customer specification and has been found to meet the requirements. Method of manufacture is ERW. [CM / L : 0001277452]

**We confirm that our products are RoHS compliant as per Recast EU directive 2011/65/EU (RoHS 2) and EU directive 2015/863 Annex II (RoHS 3). We also confirm that our products contain no radioactive elements beyond naturally occurring limits.**

**Heat Analysis**

Cast No	C%	Mn%	P%	S%	Si%	Al%	CE
2316965	0.1600	1.0400	0.0190	0.0140	0.1690	0.0440	0.3330
2600521	0.1800	1.1000	0.0240	0.0100	0.1880	0.0200	0.3630
2600582	0.1800	1.0800	0.0210	0.0050	0.2100	0.0250	0.3661
2600585	0.1700	0.9900	0.0200	0.0060	0.1850	0.0270	0.3350
2600591	0.1600	1.1200	0.0230	0.0210	0.1740	0.0250	0.3510
2600597	0.1600	1.0300	0.0350	0.0200	0.2000	0.0420	0.3320

**Product Analysis**

Cast No	Coil No	C%	Mn%	P%	S%	Si%	Al%
2316965	NC063917	0.15	0.98	0.018	0.015	0.152	0.021
2600521	NE104994	0.15	1.06	0.02	0.0070	0.183	0.021
2600582	NE104993	0.16	1.04	0.019	0.0030	0.202	0.024
2600585	NE104979	0.16	0.94	0.021	0.0050	0.182	0.024
2600591	NE106831	0.14	1.07	0.022	0.02	0.18	0.024
2600597	NE105191	0.16	0.97	0.029	0.015	0.186	0.032

SI NO	MP / SO NUMBER	CAST NO / BATCH NO	SIZE(mm) D X T X L	WEIGHT (T)	GRADE	Mode of Killing	YS	UTS Body	EI	Test Pressure						
							MPa	MPa	%	MPa						
1	1400925525	2600597 / 26IER00034	406.4 X 9.5 X 11247	1.046	IS 3589 FE410 ALSIK		349	457	30	5.0						
2	1400925525	2600597 / 26IER00230	406.4 X 9.5 X 11258	1.047	IS 3589 FE410 ALSIK		362	461	27	5.0						

This Test Certificate can be viewed via a Blockchain powered web Application.  
Please click on below link or Scan the QR Code.  
<https://santrupti.sailrsp.co.in/steelverifier>



Shipping Advice No: 811634661

Dated: 21.02.2026

Wagon / Truck No: OD14AE4617

, R&amp;C Lab

There's a little bit of SAIL in everybody's life.

Rourkela Steel Plant



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SI NO	MP / SO NUMBER	CAST NO / BATCH NO	SIZE(mm) D X T X L	WEIGHT (T)	GRADE	Mode of Killing	YS	UTS	EI	Test Press ure						
							MPa	MPa	%	MPa						
3	1400925525	2600597 / 26IER00231	406.4 X 9.5 X 11258	1.047	IS 3589	FE410 ALSIK	362	461	27	5.0						
4	1400925525	2600591 / 26IER00248	406.4 X 9.5 X 11387	1.059	IS 3589	FE410 ALSIK	362	461	27	5.0						
5	1400925525	2600597 / 26IER00091	406.4 X 9.5 X 12043	1.120	IS 3589	FE410 ALSIK	349	457	30	5.0						
6	1400925525	2600585 / 26IER00004	406.4 X 9.5 X 12097	1.126	IS 3589	FE410 ALSIK	349	457	30	5.0						
7	1400925525	2600597 / 26IER00280	406.4 X 9.5 X 10269	0.955	IS 3589	FE410 ALSIK	362	461	27	5.0						
8	1400925525	2600582 / 26IER00019	406.4 X 9.5 X 11247	1.046	IS 3589	FE410 ALSIK	349	457	30	5.0						
9	1400925525	2600582 / 26IER00020	406.4 X 9.5 X 11247	1.046	IS 3589	FE410 ALSIK	349	457	30	5.0						
10	1400925525	2600521 / 26IER00045	406.4 X 9.5 X 11247	1.046	IS 3589	FE410 ALSIK	349	457	30	5.0						
11	1400925525	2600597 / 26IER00022	406.4 X 9.5 X 11237	1.045	IS 3589	FE410 ALSIK	349	457	30	5.0						
12	1400925525	2600597 / 26IER00023	406.4 X 9.5 X 11237	1.045	IS 3589	FE410 ALSIK	349	457	30	5.0						
13	1400925525	2600597 / 26IER00232	406.4 X 9.5 X 11237	1.045	IS 3589	FE410 ALSIK	362	461	27	5.0						
14	1400925525	2600521 / 26IER00046	406.4 X 9.5 X 11237	1.045	IS 3589	FE410 ALSIK	349	457	30	5.0						
15	1400925525	2600597 / 26IER00035	406.4 X 9.5 X 11226	1.044	IS 3589	FE410 ALSIK	349	457	30	5.0						
16	1400925525	2600597 / 26IER00181	406.4 X 9.5 X 11226	1.044	IS 3589	FE410 ALSIK	349	454	25	5.0						
17	1400925525	2600597 / 26IER00021	406.4 X 9.5 X 11226	1.044	IS 3589	FE410 ALSIK	349	457	30	5.0						
18	1400925525	2600521 / 26IER00049	406.4 X 9.5 X 11183	1.040	IS 3589	FE410 ALSIK	349	457	30	5.0						
19	1400925525	2600597 / 26IER00026	406.4 X 9.5 X 11151	1.037	IS 3589	FE410 ALSIK	349	457	30	5.0						
20	1400925525	2316965 / 23IER01348	406.4 X 9.5 X 11075	1.030	IS 3589	FE410 ALSIK	367	441	30	5.0						
21	1400925525	2600585 / 26IER00236	406.4 X 9.5 X 10742	0.999	IS 3589	FE410 ALSIK	362	461	27	5.0						
22	1400925525	2600582 / 26IER00301	406.4 X 9.5 X 10731	0.998	IS 3589	FE410 ALSIK	366	479	32	5.0						
23	1400925525	2600582 / 26IER00284	406.4 X 9.5 X 10710	0.996	IS 3589	FE410 ALSIK	362	461	27	5.0						
24	1400925525	2600597 / 26IER00134	406.4 X 9.5 X 10452	0.972	IS 3589	FE410 ALSIK	349	454	25	5.0						

**Total Pipes: 24      Total Length:263970**

Note: The Steel is fully Killed as per details given in Mode of Killing.  
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