



CERTIFICATE NO.
T - 1452 & T - 1453



METALLURGICAL TESTING CENTRE

(NABL ACCREDITED LAB)
(An Unit of BSL Castings Pvt. Ltd.)

TEST REPORT

WORKS & OFFICE :
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BSL/SPECTRO/5.10F-01/01/00

Issued to :	M/s. Nov Sara India (P) Ltd. 7/1, Pritam Road, Unit - II Dehra Dun - 248001	Report No.	113952	D.O.T. :	06.02.2009
		Ref. No.	NIL	D.O.R. :	05.02.2009
Sample Description	Sample No. - 2663A, Heat No. - 810479			J.O. No. :	35207

RESULTS

Chemical Analysis

By Spectrometer (ASTM E1507:1998)

Sample ID: J.O.No. - 35207/3

Element	%
Carbon	0.081
Silicon	0.157
Sulphur	0.013
Phosphorus	0.027
Manganese	0.438
Nickel	0.010
Chromium	0.003
Molybdenum	0.001
Vanadium	0.000
Copper	0.001
Tungsten	0.000
Cobalt	0.001
Aluminium	0.021
Titanium	0.000
Iron	99.24

Checked By

Authorised Signatory
(Q.M. / T.M.)

- note : 1. The result listed refer only to the tested samples and applicable parameters, Endorsement of product is neither inferred nor implied.
2. Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
3. This report can not be used as an evidence in a court of law.
4. Samples will be destroyed after 15 days.
5. Any Complaints about this report should be communicated within 7 days of issue of this report.
6. This report shall not be reproduced except in full, without the written permission of the Laboratory.
7. *Not Covered under NABL Scope.

**RASHTRIYA ISPAT NIGAM LIMITED**

SAE1008

VISAKHAPATNAM STEEL PLANT

Quality Assurance & Techonology Development Department, Visakhapatnam

Page: 1 of 1

TEST CERTIFICATE

Product/Size :	90X90 mm Billets	Customer :
T.C.No.: QMS/R/QAD/RM/20/M004093 - 1	Dt. 16/02/2009	NOV SARA INDIA PVT. LTD. UNIT-II
Order No.	EMSB268008013	DEHRADUN
Invoice No.:	2008001150	
Wagon/Truck No.: PB23G 6094		Invoice Wt. (T): 19.990

HEAT NO	810479
No Of Pcs/Bundles	2
C %	0.07
Mn %	0.41
P %	0.030
S %	0.017
Si %	0.160
Al %	0.034
C.E. (IF APPLICABLE)	0.14
YS (N/mm ²)	NA
UTS (N/mm ²)	NA
%EL	NA
%RA	NA
OTHERS	NA
BEND TEST	
GRADE	SAE1008

AVERAGE WEIGHT OF EACH BUNDLE IS 9.995 TONS APPROXIMATELY

The material supplied conform to the standard rolling and weight tolerances.

[Signature]
RASHTRIYA ISPAT NIGAM LTD.
Visakhapatnam Steel Plant
(A GOVT. OF INDIA ENTERPRISE)
1st Floor, 27 E.C. ROAD
DEHRADUN-248 001