

BSL**SPECTRO LAB**CERTIFICATE NO.
- 1452 & T - 1453

&

METALLURGICAL TESTING CENTRE

(An Unit of BSL Castings Pvt. Ltd.)

(NABL ACCREDITED LAB)

WORKS & OFFICE :
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FARIDABAD-121005 (INDIA)
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BSL/SPECTRO/5.10F-01/01/00

ed to : M/s. Nov Sara India (P) Ltd.	Report No.	108274	D.O.T. :	01.11.2008
7/1, Pritam Road, Unit - II	Ref. No.	Nil	D.O.R. :	01.11.2008
Dehra Dun - 248001	Sample Description Sample No. - 2009, RCS - 90mm, Heat No. - 809164		J.O. No. :	33476

RESULTS**Chemical Analysis**

By Spectrometer (ASTM E1507;1998)

Sample ID: J.O.No. - 33476/6

<u>Element</u>	<u>%</u>
Carbon	0.065
Silicon	0.177
Sulphur	0.025
Phosphorus	0.026
Manganese	0.381
Nickel	0.017
Chromium	0.014
Molybdenum	0.001
Vanadium	0.000
Copper	0.005
Tungsten	0.001
Cobalt	0.010
Aluminium	0.025
Titanium	0.008
Iron	99.23

Checked By

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

e : 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.



8007848

RASHTRIYA ISPAT NIGAM LIMITED

SAE1008

VISAKHAPATNAM STEEL PLANT
Quality Assurance & Technology Development Department, Visakhapatnam

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TEST CERTIFICATE

Product/Size :	90X90 mm Billets		Customer :
T.C.No.:	QMS/R/QAD/RM/20/M003642 - 2	Dt. 20/12/2008	NOV SARA INDIA PVT. LTD. UNIT-II DEHRADUN
Order No.	EMSB268008011		
Invoice No.:	2008000729		
Wagon/Truck No.:	HR04N 1233		Invoice Wt. (T): 8.340

HEAT NO	809164
No Of Pcs/Bundles	1
C %	0.06
Mn %	0.37
P %	0.028
S %	0.034
Al %	0.100

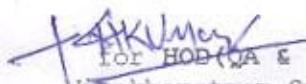
Al %	0.032
C.E. (IF APPLICABLE)	0.13
YS (N/mm ²)	NA
UTS (N/mm ²)	NA
%EL	NA
%RA	NA
OTHERS	NA
BEND TEST	
GRADE	SAE1008
SL %	0.100

AVERAGE WEIGHT OF EACH BUNDLE IS 8.340 TONS APPROXIMATELY

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

Reduction Ratio : 7.41 : 1

Manufacturing Route: BOF-LF/IRUT-CCM-Billet



For HOD (QA & TD)
Visakhapatnam Steel Plant
RASHTRIYA ISPAT NIGAM LTD.
A GOVT. OF INDIA ENTERPRISE
1st Floor, 27 E.C. ROAD
DEHRADUN-248 001