

BSL**SPECTRO LAB****METALLURGICAL TESTING CENTRE**

(A Unit of BSL Castings Pvt. Ltd.)

(NABL ACCREDITED LAB)

&

CERTIFICATE NO.
T - 1452 & T - 1453**TEST REPORT**WORKS & OFFICE :
PLOT NO. 263, SECTOR-24
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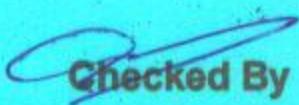
BSL/SPECTRO/5.10F-01/01/00

sued to :	M/s. Nov Sara India (P) Ltd. 7/1, Pritam Road, Unit - I, Dehra Dun - 248001	Report No.	112097	D.O.T. :	08.01.2009
		Ref. No.	Nil	D.O.R. :	07.01.2009
Sample Description	Sample No. - 2453B, Heat No. - 811807				
	J.O. No. : 34734				

RESULTS**Chemical Analysis** (Fe Base - LAS)
Protocol : ASTM E 1507 (By O.E.S)

Sample ID; J.O.No. - 34734/6

<u>Element</u>	<u>%</u>
Carbon	0.092
Silicon	0.224
Sulphur	0.012
Phosphorus	0.021
Manganese	0.454
Nickel	0.014
Chromium	0.001
Molybdenum	0.004
Vanadium	0.000
Copper	0.004
Tungsten	0.000
Cobalt	0.001
Aluminium	0.020
Titanium	0.000
Iron	99.14


Checked ByAuthorised 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. *Not Covered under NABL Scope.
 4. This report can not be used as an evidence in a court of law.
 5. Samples will be destroyed after 15 days.
 6. Any Complaints about this report should be communicated within 7 days of issue of this report.
 7. This report shall not be reproduced except in full, without the written permission of the Laboratory.

RASHTRIYA ISPAT NIGAM LIMITED

SAE1008



VISAKHAPATNAM STEEL PLANT
 Quality Assurance & Technology Development Department, Visakhapatnam

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TEST CERTIFICATE

Product/Size :	68 mm Round	Customer :
T.C.No.:	QMS/R/QAD/RM/15/M005839 - 5	Dt. 21/12/2008
Order No.	EMPC360008001	NOV SARA INDIA PVT. LTD. UNIT-II DEHRADUN
Invoice No.:	2008000829	
Wagon/Truck No.:	HR37B 4858	Invoice Wt. (T) : 18.410

HEAT NO	811807
No Of Pcs/Bundles	2
C %	0.08
Mn %	0.38
P %	0.025
S %	0.025
Si %	0.250
Al %	0.032
C.E. (IF APPLICABLE)	0.15
YS (N/mm ²)	258
UTS (N /mm ²)	379
%EL	33
%RA	NA
OTHERS	NA
BEND TEST	NA
GRADE	SAE1008

AVERAGE WEIGHT OF EACH BUNDLE IS 9.215 TONS APPROXIMATELY

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

Reduction Ratio :24.36 : 1

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

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