

BSL**SPECTRO LAB****&****METALLURGICAL TESTING CENTRE**(A Unit of BSL Castings Pvt. Ltd.)
(NABL ACCREDITED LAB)CERTIFICATE NO.
T - 1452 & T - 1453**TEST REPORT**

M/s. Sara Sae (P) Ltd.	2523	06.05.2013
Issued to : 7/1, Pritam Road, Unit - II	Report No.	D.O.T. :
Dehra Dun - 248001	Ref. No.	D.O.R. : 03.05.2013
Sample No. - 8407, Heat No. - 204050	Nil	559
Sample Description. :		J.O. No.:

RESULTS**Chemical Analysis** (Fe Base - LAS)
Protocol : ASTM E 415:2008 (By O.E.S)

Sample ID; J.O.No. - 559

<u>Element</u>	<u>%</u>
Carbon	0.082
Silicon	0.254
Sulphur	0.021
Phosphorus	0.021
Manganese	0.406
# Nickel	0.003
# Chromium	0.008
# Molybdenum	0.001
# Vanadium	0.002
# Copper	0.003
# Tungsten	0.001
# Cobalt	0.001
Aluminium	0.033
# Titanium	0.000
# Boron	0.000


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. *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.
8. # Results found outside the range of NABL accredited scope.

**RASHTRIYA ISPAT NIGAM LIMITED**G.E 8/144
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/M001667 - 8		Dt. 28/03/2013
Order No.	EMSC293010038		
Invoice No.:	2012002844		
Wagon/Truck No.:	UK07CA3788		Invoice Wt. (T) : 5.310

HEAT NO	204050
No Of Pcs/Bundles	1
C %	0.05
Mn %	0.39
P %	0.023
S %	0.013
Si %	0.160
Al %	0.034
C.E. (IF APPLICABLE)	0.12
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 5.310 TONS APPROXIMATELY
 The material supplied conform to the standard rolling and weight tolerances.

for HOD(QA & TD)
 Visakhapatnam Steel Plant

Jitendra Singh
 RASHTRIYA ISPAT NIGAM LTD.
 A GOVT. OF INDIA ENTERPRISE
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