

**BSL****SPECTRO LAB**

CERTIFICATE NO.  
T - 1452 & T - 1453

## METALLURGICAL TESTING CENTRE

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

## TEST REPORT

**WORKS & OFFICE :**  
PLOT NO. 263, SECTOR-24,  
FARIDABAD - 121 005 (INDIA)  
Ph. No. : 0129-4189800  
FAX No. : +91-129-4065535  
E.mail : castings@bsltd.net

BSL/SPECTRO/5.10F-01/01/00

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

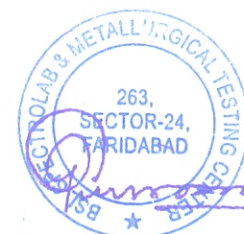
## RESULTS

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

G.E 8/144



RASHTRIYA ISPAT NIGAM LIMITED

SAE1008

VISAKHAPATNAM STEEL PLANT

Quality Assurance & Techonology 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	SARA SAE PRIVATE LIMITED UNIT - II	
Order No. EMSC293010038		DEHRADUN	
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 <sup>2</sup> )	NA
UTS ( N/mm <sup>2</sup> )	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

*Litendrasnyk*  
RASHTRIYA ISPAT NIGAM LTD.  
(A GOVT. OF INDIA ENTERPRISE)  
1st Floor, 27 E.C. ROAD  
DEHRADUN-248 001