

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 :

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

Issued to : M/s. Sara Sae (P) Ltd.
7/1, Pritam Road, Unit - II
Dehra Dun - 248001

Report No. 13723

D.O.T. : 31.10.2013

Ref. No.

D.O.R. :

Nil

31.10.2013

Sample Description. : Sample No. - 8863, Heat No. - 306982

J.O. No. : 3612

RESULTS

Chemical Analysis (Fe Base - LAS)
Protocol : ASTM E 415.2008 (By O.E.S)

Sample ID: J.O No. - 3612

Element	%
Carbon	0.082
Silicon	0.175
Sulphur	0.008
Phosphorus	0.028
Manganese	0.402
# Nickel	0.003
# Chromium	0.008
# Molybdenum	0.001
# Vanadium	0.002
# Copper	0.002
# Tungsten	0.001
# Cobalt	0.001
Aluminium	0.014
# Titanium	0.001
# 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.



VISAKHAPATNAM STEEL PLANT

Quality Assurance & Technology Development Department, Visakhapatnam

TEST CERTIFICATE

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Product/Size :	90X90 mm Billets	Customer :
T.C.No.: QMS/R/QA/TD/29/M003440	2	DL 25/10/2012
Order No.	KMS2146009054	SARA SAE PRIVATE LIMITED UNIT - II
Invoice No.:	2013001293	DEHRADUN
Wagon/Truck No.:	NR04N 1233	Invoice Wt. (T): 25.720

Heat No	306982	✓
No of Pcs/Bundles	3	
C %	0.06	✓
Mn %	0.36	✓
P %	0.027	✓
S %	0.015	✓
Si %	0.120	✓
Al %	0.030	✓
C.S. (IF APPLICABLE)	0.12	
YS (N/mm ²)	NA	
UTS (N/mm ²)	NA	
TEL	NA	
S	NA	
OTHERS	NA	
BEND TEST		
GRADE	SAE1008	✓

AVERAGE WEIGHT OF EACH BUNDLE IS 8.573 TONS APPROXIMATELY

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

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

