

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

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

Report No. 171792

D.O.T. : 04.07.2011

Ref. No. Nil

D.O.R. : 02.07.2011

Sample Description Sample No. - 6350, Heat No. - 22500, Dia - 40.0mm

J.O. No. : 51888

RESULTS

Chemical Analysis (Fe Base - SS)
Protocol : ASTM E 1086:2008 (By O.E.S)

Sample ID; J.O.No. - 51888

Element	%
Carbon	0.084
Silicon	0.124
Sulphur	0.012
Phosphorus	0.019
Manganese	0.423
Nickel	<0.05
Chromium	<0.05
Molybdenum	<0.05
Vanadium	<0.04
Copper	<0.01
Tungsten	<0.02
Cobalt	0.030
Aluminium	0.025
Magnesium	<0.01
Titanium	<0.02
Iron	99.26

Checked By

263,
SECTOR-24,
FARIDABAD
BSL SPECTROLAB & METALLURGICAL TESTING CENTER
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.

VISAKHAPATNAM STEEL PLANT

Quality Assurance & Technology Development Department, Visakhapatnam

TEST CERTIFICATE

Product/Size :	40 mm Round	Customer :
T.C.No.: QMS/R/QAD/RM/15/M000494 - 6	Dt. 30/08/2011	NOV SARA INDIA PVT. LTD. UNIT-II
Order No. EMP2278009009		DEHRADUN
Invoice No.: 2011000988		
Wagon/Truck No.: HR46D 5641		Invoice Wt. (T): 15.490

HOT NO	022500
No. Of Pcs/Bundles	3
C %	0.07
Mn %	0.46
P %	0.028
S %	0.017
Si %	0.170
Al %	0.025
C.B. (IF APPLICABLE)	0.15
YS (N/mm ²)	250
UTS (N/mm ²)	375
%EL.	27
%RA	NA
COILERS	NA
BEND TEST	NA
GRADE	SAE1008

AVERAGE WEIGHT OF EACH BUNDLE IS 5.163 TONS APPROXIMATELY

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

for HOD(QA & TD)
Visakhapatnam Steel Plant

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