



भारतीय मानक ब्यूरो
गुवाहाटी शाखा प्रयोगशाला



BUREAU OF INDIAN STANDARDS
GUWAHATI BRANCH LABORATORY

हमारा संदर्भ/Our Ref. :GBL/Creation of new test facility/steel

तारीख/Date: 08/12/2023

विषय: दिए गए आईएस के लिए इस्पात उत्पादों के लिए रासायनिक परीक्षण सुविधा का निर्माण।
Subject: Creation of Chemical test facility for steel products for the given ISs.

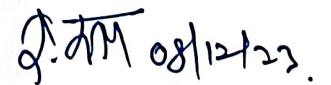
Below are the details of test facility created by Chemical Section of GBL and the same is for information of all ROs/BOs and Departments of BIS.

जीबीएल के रासायनिक अनुभाग द्वारा बनाई गई परीक्षण सुविधा का विवरण नीचे दिया गया है और यह बीआईएस के सभी क्षेत्रीय कार्यालयों/शाखा कार्यालयों और विभागों की जानकारी के लिए है।

Sl. No.	IS no.	IS name	Status of test facility created
1.	1786: 2008	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement- Specification.	Complete (excluding microalloying elements)
2.	IS 2062:2011	Hot Rolled Medium and High Tensile Structural Steel- Specification	Complete (excluding microalloying elements)
3.	IS 2830: 2012	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into steel for general structural purposes — specification	Complete (excluding microalloying elements)
4.	IS 2831: 2012	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into structural steel (ordinary quality) — specification	Complete (excluding microalloying elements)
5.	IS 1875: 1992	Carbon steel billets, blooms, slabs and bars for forgings- specification	Complete (excluding microalloying elements)
6.	IS 9802: 1987	Specification for adjustable crampons for mountaineering	Complete (excluding microalloying elements)
7.	IS 4454(Part 1): 2001	Steel wire for mechanical springs- specification	Complete (excluding microalloying elements)
8.	IS 2004: 1991	Carbon steel forgings for general engineering purposes- specification	Complete (excluding microalloying elements)
9.	IS 7887: 1992	Mild steel wire rod for general engineering purposes- Specification	Complete (excluding microalloying elements)
10.	IS 1239 (Part 1):2004	Steel tubes, tubulars and other wrought steel fittings- specification	Complete (excluding microalloying elements)

In view of the above, all ROs/BOs/Depts. are requested to send drillings of steel samples to GBL for testing as detailed above. This is issued with approval of Competent Authority.

उपरोक्त को ध्यान में रखते हुए, सभी क्षेत्रीय कार्यालयों/शाखा कार्यालयों/ विभागों से अनुरोध किया जाता है कि वे उपरोक्त विवरण के अनुसार परीक्षण के लिए स्टील के नमूनों की ड्रिलिंग जीबीएल को भेजें। यह सक्षम प्राधिकारी के अनुमोदन से जारी किया जाता है।


Rahul Roy
Sc. B
OIC(Sample Cell)

Copy to:

All ROs/BOs/Depts.

ITSD - with a request to host this circular on BIS Intranet.

आईटीएसडी - इस परिपत्र को बीआईएस इंटरनेट पर होस्ट करने के अनुरोध के साथ।

BUREAU OF INDIAN STANDARDS
GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/ creation of new test facility/steel/1

Dated: 29-11-2023

Guwahati Branch Laboratory has created test facility as per details given below:

IS No.	:	IS 1786: 2008
Product	:	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement- Specification.
Test(s) with clause no. for which facility has been created	:	Cl. 4.2 (Carbon, Sulphur, Phosphorus,)
Type/Size/Grade/Variety for which test facility has been created	:	Fe 415, Fe 415D, Fe 415S, Fe 500, Fe 500D, Fe 500S, Fe 550, Fe 550D, Fe 600.
Test Section	:	Chemical
Major equipments procured for creation of test facility	:	Strohlein Apparatus, Fortin's Barometer, Refrigerator and Vacuum Filtration Pump.
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs.3,63,000/- (approx.)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

Lethensang
29/11/23
TA (Lab)

~~OIC (Testing)~~

Head (GBL)

DDGL

Head (LPPD)

BUREAU OF INDIAN STANDARDS
GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/Creation of new test facility/steel/2

Date: 29-11-2023

Guwahati Branch Laboratory has created test facility as per details given below:

IS No.	:	IS 2062: 2011
Product	:	Hot Rolled Medium and High Tensile Structural Steel- Specification
Test(s) with clause no. for which facility has been created	:	Table 1, Cl. 8.1(Carbon , Silicon , Sulphur , Manganese, Phosphorus)
Type/Size/Grade/Variety for which test facility has been created	:	E 250, E 275, E 300, E 350, E 410, E 450, E 550, E 600, E 650
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Strohlein Apparatus, Vacuum Pump, Refrigerator, Fortin's Barometer
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs. 3,63,000/- only(approx.)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

OIC (Testing)Head (GBL)DDGLHead (LPPD)

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TA (Lab)

BUREAU OF INDIAN STANDARDS
GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/Creation of new test facility/steel/3

Date: 29-11-2023

Guwahati Branch Laboratory has created test facility as per detail given below:

IS No.	:	IS 2830: 2012
Product	:	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into steel for general structural purposes — specification
Test(s) with clause no. for which facility has been created	:	Table 1, Cl. 6.1 (Carbon, Manganese, Sulphur, Phosphorus)
Type/Size/Grade/Variety for which test facility has been created	:	Grades - A,B,C Designation-i)C15 ii) C18 iii) C20 iv) C15 MMn v) C18 MMn vi) C20 MMn vii) C15 HMn viii) C18 HMn ix) C20 HMn x) C25 HMn
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Strohlein Apparatus, Vacuum Pump, Refrigerator, Fortin's Barometer
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs. 3,63,000/- only(approx.)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

~~OIC (Testing)~~

Head(GBL)

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Head(LPPD)

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GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/Creation of new test facility/steel/4

Date: 29-11-2023

Guwahati Branch Laboratory has created test facility as per details given below:

IS No.	:	IS 2831: 2012
Product	:	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into structural steel (ordinary quality) — specification
Test(s) with clause no. for which facility has been created	:	Table 1, Cl. 6.1(Carbon , Sulphur , Manganese, Phosphorus)
Type/Size/Grade/Variety for which test facility has been created	:	Designation -C8, C15, C22
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Strohlein Apparatus, Vacuum Pump, Refrigerator, Fortin's Barometer
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs. 3,63,000/- only(approx.)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

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OIC (Testing)

Head (GBL)**DDGL****Head (LPPD)**

BUREAU OF INDIAN STANDARDS
GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/Creation of new test facility/steel/5

Date: 29-11-2023

Guwahati Branch Laboratory has created test facility as per detail given below:

IS No.	:	IS 1875: 1992
Product	:	Carbon steel billets, blooms, slabs and bars for forging – specification.
Test(s) with clause no. for which facility has been created	:	Table 1, Cl. 6.1(Carbon , Silicon , Sulphur , Manganese, Phosphorus)
Type/Size/Grade/Variety for which test facility has been created	:	Class 1, Class 1A, Class 2, Class 2A, Class 3, Class 3A, Class 4, Class 5, Class 6
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Strohlein Apparatus, Vacuum Pump, Refrigerator, Fortin's Barometer
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs. 3,63,000/- (approx)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

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Head(GBL)

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Head (LPPD)

BUREAU OF INDIAN STANDARDS
GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/Creation of new test facility/steel/6

Date: 29-11-2023

Guwahati Branch Laboratory has created test facility as per details given below:

IS No.	:	IS 9802 : 1987
Product	:	Specification for adjustable crampons for mountaineering
Test(s) with clause no. for which facility has been created	:	Cl. 3.1 (Carbon, Silicon, Manganese, Sulphur, Phosphorus)
Type/Size/Grade/Variety for which test facility has been created	:	NA
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Strohlein Apparatus, Vacuum Pump, Refrigerator, Fortin's Barometer
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs. 3,63,000/- only (approx.)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

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OIC (Testing)

Head (GBL)**DDGL****Head (LPPD)**

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GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/Creation of new test facility/steel/7

Date: 29-11-2023

Guwahati Branch Laboratory has created test facility as per details given below:

IS No.	:	IS 4454(Part 1): 2001
Product	:	Steel Wire for Mechanical springs — Specification
Test(s) with clause no. for which facility has been created	:	Table 2, Cl. 7.1(Carbon , Silicon , Sulphur , Manganese, Phosphorus)
Type/Size/Grade/Variety for which test facility has been created	:	SL,SM,SH,DM,DH
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Strohlein Apparatus, Vacuum Pump, Refrigerator, Fortin's Barometer
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs. 3,63,000/- (approx.)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

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BUREAU OF INDIAN STANDARDS
GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/Creation of new test facility/steel/8

Date: 29-11-2023

Guwahati Laboratory has created test facility as per details given below:

IS No.	:	IS 2004: 1991
Product	:	Carbon steel forgings for general engineering purposes – specification.
Test(s) with clause no. for which facility has been created	:	Table 1, Cl. 7.1 (Carbon , Silicon, Sulphur, Manganese, Phosphorus)
Type/Size/Grade/Variety for which test facility has been created	:	Class 1, Class 1A, Class 2, Class 2A, Class 3, Class 3A, Class 4, Class 5, Class 6
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Strohlein Apparatus, Fortin's Barometer, Vacuum Pump, Refrigerator
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs. 3,63,000/- only(approx.)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

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Head(GBL)DDGLHead (LPPD)

BUREAU OF INDIAN STANDARDS
GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/Creation of new test facility/steel/9

Date: 29-11-2023

Guwahati Branch Laboratory has created test facility as per details given below:

IS No.	:	IS 7887: 1992
Product	:	Mild Steel Wire Rod For General Engineering Purposes – Specification.
Test(s) with clause no. for which facility has been created	:	Table 1, Cl. 6.1(Carbon, Manganese, Sulphur, Phosphorus)
Type/Size/Grade/Variety for which test facility has been created	:	1,2,3,4,4M,5,6,6M,7,7M,8,8M,9,10,10M
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Strohlein Apparatus, Fortin's Barometer, Vacuum Pump, Refrigerator
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs. 3,63,000/- only(approx.)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

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BUREAU OF INDIAN STANDARDS
GUWAHATI BRANCH LABORATORY

Ref. No. : GBL/Creation of new test facility/steel/10

Date: 29-11-2023

Guwahati Laboratory has created test facility as per details given below:

IS No.	:	IS 1239 (Part 1): 2004
Product	:	Steel tubes, tubulars and other wrought steel fittings – specification
Test(s) with clause no. for which facility has been created	:	Table 1, Cl. 6.1.1(Carbon, Manganese , Sulphur, Phosphorus)
Type/Size/Grade/Variety for which test facility has been created	:	Designation- Light, Medium, Heavy
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Strohlein Apparatus, Fortin's Barometer, Vacuum Filtration Pump, Refrigerator
Status of facility created	:	Complete (excluding microalloying elements)
Test(s) with clause no. for which facility yet to be created for complete testing	:	Nil
Expenditure in creation/ up-gradation of test facility	:	Rs. 3,63,000/- (Approx.)
Sample size	:	50 g drillings of sample
Testing Capacity/month	:	15 Samples/month
Remarks	:	Test facility for micro alloying elements will be created after procurement of Spark OES through Centralized purchase.

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