

Annual Report 2025-2026

National Institute of Secondary Steel Technology

Estd. by Ministry of Steel, GoI



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Mandi Gobindgarh, Punjab 147301, India

Content

Chapter	Page no.
Chapter-1 Historic Overview - National Institute of Secondary Steel Technology (NISST)	3-5
Chapter-2 NISST Labs at Glance	6-10
Chapter-3 Activities carried out during FY-2025-26 Green Steel Certification	11-22 22-28
Chapter-4 Receipts and Payment statement	29
Chapter-5 Manpower Details List of Board Members	30 31

CHAPTER - 1

HISTORICAL OVERVIEW

NATIONAL INSTITUTE OF SECONDARY STEEL TECHNOLOGY (NISST)

In June 1987, a High-Powered Committee on the “Indian Steel Mission to Europe,” led by the then Secretary (Steel), Government of India, undertook a visit to the steel industries of the European Economic Community (EEC) countries. Based on the recommendations of this Committee, the **National Institute of Secondary Steel Technology (NISST)** was established by the Ministry of Steel, Government of India, on 18th August 1987 as a Registered Society. The Institute was constituted under the Chairmanship of the then Development Commissioner of Iron & Steel, a position presently held by the Joint Secretary/Additional Secretary, Ministry of Steel. NISST commenced its operations with an initial corpus of ₹10.08 crore drawn from the erstwhile Billet Re-Rollers Fund (BRC Fund).

Apart from skilling the technical manpower through cluster training programmes in Indian iron and steel industries, the Institute also provides industrial services, testing facilities, consultancy services for operational efficiency, energy efficiency, quality improvement and reducing environmental impact. It is managed by a Board of Governors with representatives from Industrial Associations, Educational Institutions and Research Organisations apart from the Ministry of Steel. Presently, Shri Daya Nidhan Pandey, Joint Secretary, Ministry of Steel, Govt. of India, is Chairman of the Institute.

As a key institution under the Ministry of Steel, NISST operates in alignment with the National Steel Policy and national priorities for enhancing steel sector competitiveness through upskill the manpower working in the secondary steel sector. To widen outreach and ensure sector-wide impact, the Institute collaborates with steel associations, industry bodies, and relevant stakeholders within the steel ecosystem.

KEY ACTIVITIES OF NISST INCLUDE:

- ❑ **Training and Skill Development:** Conducting cluster based structured training programmes for Indian iron and steel sector workforce to improve their productivity and efficiency. Also providing need based customised in-house trainings.
- ❑ **Green Steel Certification:** Nodal agency for Measuring, Reporting and Verification (MRV) as well as for issuing greenness certificates and star ratings for steel as per Ministry of Steel vide Notification F. No. 1(6)-2024-ID-2, dated 23rd December 2024.
- ❑ **Industrial Consultancy:** Offering advisory support for performance enhancement, energy efficiency, process and quality improvement.
- ❑ **Energy Audits:** Energy efficiency improvement-related projects were undertaken by NISST, encompassing energy audits in the steel industry, mandatory energy audits and Measurement & Verification (M&V) audits of designated consumers, along with the implementation of energy efficiency improvement initiatives. (Accreditation from Bureau of Energy Efficiency, Ministry of Power, Government of India)

- ❑ **Safety Audits & Inspection:** Under the capacity of Competent Persons recognized by Director of Factories, Govt. of Punjab, UT of Daman & Diu and Dadra Nagar Haveli, Kerala, Chhattisgarh, Meghalaya and Puducherry, NISST has conducted safety inspections and safety audits for the steel industry in the state of Punjab, UT of Daman & Diu and Dadra Nagar Haveli. Various training programs in the areas of industrial safety are being conducted for a safe environment in the industry.
- ❑ **Steel Testing Laboratories:** Over the last one decade the NISST has been emerging as the main institution for providing testing facilities, conducting consultancy studies, energy audits and participating in various projects aimed at technological improvements in re-rolling industry. (NABL Accredited and BIS recognized Mechanical, Metallography and Chemical Labs). NISST holds BIS recognition for testing 62 categories of steel products. Few equipment was added/upgraded in last 5 years to keep the equipment/labs updated. Accordingly, the following labs are operational in NISST's Mandi Gobindgarh campus.
 - Mechanical Testing lab
 - Chemical testing lab
 - Metallography lab
 - Pollution testing lab
- ❑ **Research and Development:** R&D activities are focused on addressing the issues faced by the secondary steel sector in the areas of ironmaking, steelmaking, and reheating furnaces.”.

AREAS OF SECONDARY STEEL SECTOR UNDER THE PURVIEW OF THE INSTITUTE:

- ❑ **Steelmaking through**
 - Electric Arc Furnace
 - Induction Furnace
- } route
- ❑ **Ladle Refining**
 - ❑ **Continuous Casting**
 - ❑ **Reheating Furnace**
 - ❑ **Rolling Mills (Hot & Cold)**
 - ❑ **Direct Reduce Iron Units**
 - ❑ **Quality Inspection and Testing**

ACCREDITATIONS/RECOGNITIONS

- ❑ Empanelled as Accredited Energy Auditor with Bureau of Energy Efficiency, Ministry of Power, Govt. of India.
- ❑ Bureau of Energy efficiency (Ministry of Power)- Member of Iron and Steel Sector – Technical committee (PAT cycles), Sectoral Advisory Group for supporting BEE.
- ❑ Bureau of Indian Standards (Ministry of Consumer affairs) – Member of various Committees in MTD and CED
- ❑ Ministry of Steel –Parent Ministry – Member in nine task forces (Climate & Environment), Safety committee, Various Constituted committees
- ❑ Ministry of Environment, Forest and Climate Change – Member of High-Level Expert Committee and Expert Committee for Iron and Steel Sector

IMPLEMENTATION OF RTI ACT. 2005

NISST has published information under section 4(1)(b) of the RTI Act, 2005 on its website www.nisst.org. Provisions of Right to Information Act, 2005 have been duly complied for processing the applications/requests received under RTI Act, 2005.

During the period from 01 April 2025 to 31 March 2026, a total of 01 application was received, and the same has been disposed of.

CHAPTER-2

NISST LABS AT GLANCE

CHEMICAL ENERGY & ENVIRONMENTAL LABORATORY

CHEMICAL ANALYSIS OF IRON & STEEL	SPONGE IRON ANALYSIS
- Basic 5 elements (i.e. C, Mn, Si, P & S) * - Nickel* - Chromium* - Tungsten - Molybdenum in steel* - Aluminum* - Copper* - Titanium* - Nitrogen* - Total Carbon in Cast iron - Silico - Manganese - Vanadium* - Boron - Calcium - Cobalt - Tin - Niobium	- Sponge Iron (Total Iron, Metallic iron, metallization) - Total Carbon in Sponge iron - Sulphur - Phosphorus
	ANALYSIS OF GALVANIZED STEEL
	- Analysis of mass of zinc coating - Uniformity test - Adherence Test
FUEL ANALYSIS	AIR POLLUTION TESTING (STACK EMISSIONS)
- Moisture Content - Viscosity Pre-heat Temp. - Calorific Value (Coal or Oil)	- CO - CO₂ - NO_x - SPM - SO₂ - Temperature - Velocity
DIRECT READING SPECTROMETER TESTINGS Elemental analysis of Steels & Cast Iron for 26 elements and Grade determination & Total Fe, Grade Determination/CE.	

MECHANICAL & NDT LABORATORY

Test/Analysis	SAFETY INSPECTION
1. Tensile/Compression Test by UTM (TS, YS, % Elongation) * 2. Nut/Bolt Test (Tensile Type) 3. Bend Test* 4. Re-bend Test* 5. Double Shear Test 6. Drift Expanding (for tubes) 7. Flattening (for tubes) 8. Hardness Rockwell/Brinell* 9. Impact Testing (Izod/Charpy) * (Room Temperature Zero and Sub Zero upto - 40° C) 10. Erichson Cupping 11. Dynamic/Impact Hardness Test (SHORE)* 12. Ultra Sonic Test 13. Magna flux 14. Measurements of Tolerances / Dimensions /Thickness* 15. Weight per unit length* 16. Twist (for tubes) 17. Rib Test* 18. Surface inspection of Ingots* 19. Pullout test* 20. Compression test* 21. Surface roughness* 22. Strain ageing 23. N value* 24. R value* 25. Bake hardening 26. Y groove* 27. Camber 28. Rolling mass 29. Crown 30. Flattening* 31. Strain measurement* 32. Freedom from defect 33. Surface finish 34. Straightness workmanship 35. Pipe/tube ends 36. Hydrostatic test 37. Bend for strip 180°* 38. Crushing 39. Bend of whole pipe 90°* 40. Eccentricity 41. Fracture disc test 42. Crop test of bar 43. Cold shearability 44. Deflection 45. Shear strength 46. Ageing embrittlement 47. Fracture toughness	1. Crane Testing 2. Chain Pulley Block 3. Chain Sling 4. Pressure vessel 5. Hydraulic testing of pressure vessel 6. Dangerous Machinery 7. Hydra Testing (Portable EOT) 8. Fork Lift 9. Lift

Note: (*) Marked tests conducted under NABL

ELECTRICAL LABORATORY

Test/Analysis
1. Transformer Oil Testing
2. Earth Testing

TESTING OF DIFFERENT PRODUCTS UNDER BIS

Sr No.	IS Number	Product
01.	IS 210	Grey iron castings – Specification (First Revision)
02.	IS 277	Galvanized steel strips and sheets (Plain and Corrugated) – Specification (Seventh Revision)
03.	IS 432 Part 1	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement: Part 1 Mild Steel and Medium Tensile Steel Bars
04.	IS 432 Part 2	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement: Part 2 Hard-Drawn Steel ire
05.	IS 513 Part 1	Cold reduced carbon steel sheet and strip: Part 1 cold forming and drawing purpose (Sixth Revision)
06.	IS 513 Part 2	Cold reduced carbon steel sheet and strip: Part 2 high tensile and multi – Phase steel (Sixth Revision)
07.	IS 963	Specification for chrome molybdenum steel bars and rods for aircraft purposes
08.	IS 1029	Specification for hot-rolled steel strip (Baling) (First Revision)
09.	IS 1038	Specification For Steel Doors, Windows And Ventilators
10.	IS 1079	Hot rolled carbon steel sheet, plate and strip – Specification (Seventh Revision)
11.	IS 1110	Ferrosilicon – Specification (Fourth Revision)
12.	IS 1171	Ferro Manganese
13.	IS 1341	Steel Butt Hinges – Specification (Sixth Revision)
14.	IS 1470	Silico Manganese
15.	IS 1566	Specification for hard – Drawn steel wire fabric for concrete reinforcement (Second Revision)
16.	IS 1786	High strength deformed steel bars and wires for concrete re – inforcement – Specification (Fourth Revision)

Sr No.	IS Number	Product
17.	IS 2039: Part 1	Steel tubes for bicycle and cycle rickshaws – Specification (Second Revision)
18.	IS 2039: Part 2	Steel tubes for bicycle and cycle rickshaws – Specification (Second Revision)
19.	IS 2039: Part 3	Steel tubes for bicycle and cycle rickshaws – Specification (Second Revision)
20.	IS 2062	Hot rolled medium and high tensile structural steel – Specification (Seventh Revision)
21.	IS 2255	Specification for mild steel wire rod for the manufacture of machine screws (By Cold Heading Process) (Second Revision)
22.	IS 2385	Specification for hot – Rolled mild steel sheet and strip in coil form for cold – Reduced tinplate and cold – Reduced black plate (First Revision)
23.	IS 2507	Specification for cold – rolled steel strips for springs (First Revision)
24.	IS 2830	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into steel for general structural purposes – Specification (Third Revision)
25.	IS 2831	Carbon steel cast billet ingots, billets, blooms and slabs for re-rolling into structural steel (Ordinary Quality) – Specification (Fourth Revision)
26.	IS 2879	Mild steel for metal arc welding electrodes – Specification (Third Revision)
27.	IS 3039	Specification for structural steel for construction of hulls of ships (Second Revision)
28.	IS 3195	Steel for the manufacture of volute and helical springs (For Railway Rolling Stock) – Specification (Third Revision)
29.	IS 3502	Steel chequered plates (Third Revision)
30.	IS 4224	Specification for steel wire for staples, pins and clips (First Revision)
31.	IS 4368	Specification for alloy steel billets, blooms and slabs for forging for general engineering purposes
32.	IS 4397	Cold – Rolled carbon steel strips for ball and roller bearing cages retainers – Specification (Second Revision)
33.	IS 4398	Carbon – Chromium steel for the manufacture of balls, rollers and bearing races – Specification (Second Revision)
34.	IS 5489	Specification for carburizing steels for use in bearing industry (First Revision)
35.	IS 5522	Stainless steel sheets and strips for utensils – Specification (Third Revision)
36.	IS 5651	Specification for steels for pneumatic tools (First Revision)
37.	IS 5986	Hot rolled steel sheet, plate and strip for forming and flanging purposes – Specification (Fourth Revision)
38.	IS 6240	Hot rolled steel plate (Up To 6 Mm) sheet and strip for the manufacture of low-pressure liquefiable gas cylinders (Fourth Revision)
39.	IS 6902	Specification for steel wire for spokes
40.	IS 6967	Specification for steels for electrically welded round link chains

Sr No.	IS Number	Product
41.	IS 7174	Carbon Steel tubes for use on board ships for working pressure 0.7 to 1.7n/mm ²
42.	IS 7283	Hot – Rolled bars for the production of bright bars and machined parts for engineering applications specification (First Revision)
43.	IS 7494	Specification for steel for valves for internal combustion engines (First Revision)
44.	IS 7887	Mild steel wire rod for general engineering purposes – Specification (First Revision)
45.	IS 7904	High carbon steel wire rods – Specification (Second Revision)
46.	IS 8036	Mild Steel transformer cooling tubes
47.	IS 8052	Steel ingots, billets and blooms for the production of springs, rivets and screws for general engineering applications – Specification (Second Revision)
48.	IS 8952	Steel ingots, blooms and billets for production of mild steel wire rods for general engineering purposes – Specification (First Revision)
49.	IS 9516	Specification for heat resisting steels
50.	IS 9550	Bright steel bars – Specification (First Revision)
51.	IS 9962	Specification for steel wire for needles
52.	IS 10748	Hot – Rolled steel strip for welded tubes and pipes – Specification (Second Revision)
53.	IS 11169: Part 1	Specification for steels for cold heading/cold extrusion applications: Part 1 wrought carbon and low alloy steels
54.	IS 11513	Hot rolled carbon steel strip for cold rolling purposes – Specification (Second Revision)
55.	IS 11587	Specification for structural weather resistant steels
56.	IS 12146	Specification for carbon manganese steel forgings for pressure vessels
57.	IS 14491	Low carbon high strength cold rolled steel sheets and coils for cold forming – Specification
58.	IS 15103	Fire resistant steel – Specification
59.	IS 15647	Hot rolled steel narrow width strip for welded tubes and pipes
60.	IS 15914	High tensile strength flat rolled steel plate (Up To 6 Mm), sheet and strip for the manufacture of welded gas cylinder – Specification
61.	IS 15997	Low nickel austenitic stainless-steel sheet and strip for utensils and kitchen appliances – Specification
62.	IS 9550	Bright Steel Bars- Specification

CHAPTER-3

ACTIVITIES CARRIED OUT DURING FY 2025-26

Training Programme Conducted in FY 2025-26

Sr No	Cluster	Location of Training	Units Name	Covered Subject
1	Raipur Cluster	Bilaspur, (Chhattisgarh) in 21st May 2025	Vraj Iron	DRI (Sponge Iron) and Safety
2	Raipur Cluster	Raipur (Chhattisgarh) in 22nd May 2025	Aarti Steel	DRI (Sponge Iron) and SMS and Safety
3	Hyderabad Cluster	Tirupati (Andhra Pradesh) on 18 th and 19 th June 2025	Prakash Ferrous	SMS and Rolling mill
4	Raipur (Chhattisgarh) Cluster	Raipur on 1 st and 2 nd July 2025	M/s Agarwal Channel Mills Pvt. Ltd M/s Shivam Structural Steel Pvt. Ltd M/s Sindh Ispat Pvt. Ltd M/s Laxmi Kirpa Ispat Pvt. Ltd	Shop Floor training on combustion study
5	Raipur Cluster	Raigarh (Chhattisgarh) 20 th and 21 st August 2025	MSP Steel & Power Ltd.	DRI (Sponge Iron) and SMS (steel making) and Safety
6	Jharsuguda Cluster	Kamanda (Odisha), 27 th & 28 th August 2025	Kamanda Steel	DRI (Sponge Iron) and SMS (steel making) and Safety
7	Guwahati Cluster	Niglok-Ngorlung, (Arunachal Pradesh) 18 th & 19 th September 2025	Aether Alloys LLP	Ferro alloys and Energy Efficiency

Sr No	Cluster	Location of Training	Units Name	Covered Subject
8	Jaipur-Bhiwadi Cluster	, Alwar, (Rajasthan), 24th & 25th September 2025	S B F Ispat	SMS (IF), CCM and Rolling Mill, Energy Efficiency
9	Bhavnagar, Gujarat Cluster	Bhavnagar, Gujarat 30th October 2025	Sihor Steel Re-rolling Mill Association (SSRMA)	Reheating Furnace Operation and, Rolling Mill Fundamentals, defects in rolling process and their remedies
10	Keonjhar (Odisha) Cluster	Keonjhar (Odisha) 30th October 2025	Hotel Shreeksheeta International, Keonjhar (Odisha).	Operational and Energy Efficiency in DRI making through Rotary Kiln and Steel making through Induction Furnace
11	Mandigobindgarh (Punjab) Cluster	Mandigobindgarh (Punjab) 29 th & 30 th October 2025	NISST (MGG)	Electrical Motors and its efficiency, IF efficiency calculations, Mechanical maintenance On Scrap segregation, Steel Melting through IF route, Safety
12	Raipur (Chhattisgarh) Cluster	M/s Karni Kripa Power Private Limited, Mahasamund , Chhattisgarh 13th and 14th November 2025	M/s Karni Kripa Power Private Limited, Mahasamund, Chhattisgarh	Raw material for Iron making, Sponge Iron making,
13	Indore (Madhya Pradesh) Cluster	Hotel Fairfield by Marriott, Indore 28th and 29th November 2025	Indore Re-Rolling Mills and Area Surrounding Indore Steel Making units	Rolling Mills, Steel Making through Induction Furnace Route, CCM, Reheating Furnace, Safety

Sr No	Cluster	Location of Training	Units Name	Covered Subject
14	Lucknow (Uttar Pradesh) Cluster	Hotel Holiday-in,Airport, Lucknow 28th and 29th November 2025	Lucknow and Surrounding Area Re- Rolling Mills	Reheating Furnace Operation and, Rolling Mill Fundamentals, Operational Safety of Reheating Furnace and Rolling Mills, Mechanical Maintenance and 5-S
15	Hindupur, (District-Sri Satya Sai), Andhra Pradesh	Samukha A/C Conventional Hall (KVR Function Hall), Naneppa Nagar, Hindupur, Sri Sathya Sai District, Andhra Pradesh, 19th December	Hindupur, Anathapur and Surrounding Area	Steel making Through IF route and Rolling Mill fundamental and Operational Safety
16	Coimbatore, Tamilnadu	Hotel Merlis, Near Airport, Coimbatore, 22nd December	Coimbatore	Steel making Through IF route and Rolling Mill fundamental and Operational Safety
17	Medak, Telangana	Vinayaka A/C Convention Opp. CWC Godwns, Ramayapet Road, Medak Town, Medak, Telangana, 20th January 2026	Medak	Steel making Through IF route and Rolling Mill fundamental and Operational Safety
18	Durgapur, West Bengal	Hotel Peerless, Durgapur, 22nd January 2026	Durgapur	DRI (Sponge Iron) making and Steel making Through IF route fundamental and Operational Safety
19	Kutch, Gujarat	MONO Steel India Limited, Anjar, Kutch, Gujarat, 29th and 30th January 2026	Kutch, Gujarat	DRI (Sponge Iron) making, Steel making Through IF route and Rolling Mills fundamental and Operational Safety

Sr No	Cluster	Location of Training	Units Name	Covered Subject
20	Rourkela, Odisha	Central Park, Rourkela 19th February 2026	Rourkela	DRI (Sponge Iron) making and Steel making Through IF route fundamental and Operational Safety
21	Jamshedpur, Jharkhand	Hotel Jeeva, Jamshedpur, 21st February	Jamshedpur	DRI (Sponge Iron) making and Steel making Through IF route fundamental and Operational Safety
22	Hosapete, Karnataka	Hotel Humpi International 14th March 2026	Hosapete,	DRI (Sponge Iron) making and Steel making Through IF route fundamental and Operational Safety
23	Kashipur, Uttarakhand	Hotel Manor Kashipur 16th March	Kashipur	Operational Energy Efficiency in Steelmaking (Through the IF)” and Rolling Mill, Safe Working Practices for the Steel Industry
Total Participants trained in FY 2025-26: 669+				

Training on AutoCAD was successfully provided to students, and certificates were issued to all participants upon completion of the training.

Few Glimpses of the Training Programmes conducted in FY 2025-26

MSP Steel & Power Ltd Raipur (Cluster)



Hotel Shreeekshetra International, Keonjhar (Odisha)**M/s Aether Alloys LLP (Niglok- Ngorlung, Arunachal Pradesh)****NISST Mandi Gobindgarh**

Hotel Merlis, Coimbatore (Tamil Nadu)**Hotel Fairfield by Marriott, Indore (M.P).****Hotel Holiday-in, Kanpur and Unnao district of Uttar Pradesh**

Karnikripa Power Private Limited, Raipur, Chhattisgarh**Peerless Hotel, Durgapur (West Bengal)****Hotel Jiva, Jamshedpur (Jharkhand)**

ENERGY AUDITS:

Sr No	Name of the Unit
1	M/s Rajdhani Casting (Mandi Gobindgarh)
2	M/s Parkash Ferrous Company, Kalahasti, Andhra Pradesh
3	M/s Aether Alloys, Arunachal Pradesh
4	M/s Karni Kripa Power Private Limited, Mahasamud, Chhattisgarh
5	M/s A-One Steel India Limited Gauribidanur, Karnataka.

Few Glimpses of Energy Audit conducted in FY 2025-26**COMBUSTION STUDY:**

Sr No	Name of the Unit
1	M/s Modi Steels, Mandi Gobindgarh
2	M/s Shivam Ispat (Raipur)
3	M/s Sindh Ispat (Raipur)
4	M/s Agarwal Channels Pvt. Ltd. (Raipur)
5	M/s Agrasen Rerollers, Urla, Raipur
6	M/s Aman Ispat (Khanna)
7	M/s VAE VKN India Pvt.Ltd, Bahalgarh Sonapat

Few Glimpses of Combustion Study conducted in FY 2025-26



SAFETY AUDITS:

Sr No	Name of the Unit
1	M/s Sunland Alloys, Khanvel Silvassa
2	M/s A Kumar Industries, Daman
3	M/s Amit Industries, Daman
4	M/s Sri Sai Trading Company, Daman
5	M/s Aarti Sponge & Power Ltd., Raipur, Chhattisgarh
6	M/s Vraj Iron and Steel Limited Bilaspur, Chhattisgarh
7	M/s Shivam Structural & Steel Pvt Ltd Raipur
8	M/s Agarwal Channel Mills Pvt. Ltd. Raipur
9	M/s Sindh Ispat Pvt. Ltd. Raipur
10	M/s Laxmi Kripa Ispat Pvt. Raipur
11	M/s Karni Kripa Power Private Limited, Mahasamud, Chhattisgarh
12	M/s Shyam Ingots unit-2, Naroli
13	M/s. Shree Khatu Shyam Alloys (Unit 1)
14	M/s. Shri Khatu Shyam Alloys (Unit 2)
15	M/s Shyam Ingots unit-1, Khadoli
16	M/s Shree Siddhi Ispat Corp.- Khadoli
17	M/s Balbir Metals & Power Private Limited, Sayli, Silvassa
18	M/s Balbir Rolling Mills Private Limited, Dapada, Silvassa
19	M/s Shri Vaishno Castings, Khadoli, Silvassa
20	M/s Shri Balaji Castings, Khadoli, Silvassa
21	M/s Sidhi Vinayak Steels, Khadoli, Silvassa
22	M/s Chatarbhuji Alloy Private Limited, Khadoli,
23	M/s M.I Alloys.

Few Glimpses of Safety Audit conducted in FY 2025-26



SAFETY INSPECTIONS:

Sr. No	Name of the Unit
1	M/s Ganga Mill, Khanna
2	M/s Ganga Mill, Khanna
3	M/s Rajbir Mill, Khanna
4	M/s Dhanraj Mill, Khanna
5	M/s Steelage Refractory, MGG
6	M/s Sanjay solvax, Khanna
7	M/s Satyam Agro Pvt Ltd, Khanna
8	M/s Gupta Steel Udyog, Khanna

Sr. No	Name of the Unit
9	M/s Vikas Industry Pvt Ltd, Khanna
10	M/s Shiv Shakti Casting Pvt. Ltd., MGG
11	M/s ANJ Metal Recycling Pvt. Ltd, MGG
12	M/s Bansal unit-1, Mandi Gobindgarh
13	M/s Bansal unit-2, Mandi Gobindgarh
14	M/s Ashok Steel, Mandi Gobindgarh
15	M/s Raj Shree Udyog, Mandi Gobindgarh
16	M/s Satyam Agro & Allied Industries, Khanna
17	M/s Satyam Roller Mill, Khanna
18	M/s Dev Industrial Corporation, Khanna
19	M/s Dev Steel Industries, Khanna
20	M/s Asian Steel, Khanna
21	M/s Lakshmi Steel Rolling, Khanna
22	M/s Madhuban Steel Rolling, Khanna
23	M/s Gill Hydra (Arjas Modern Steel), Mandi Gobindgarh
24	M/s Bansal Ispat Udyog.
25	M/s Khanna Feed Pvt. Ltd.
26	M/s A S Precision Pvt. Ltd.
27	M/s S R Ceramic Pvt. Ltd.
28	M/s Arti mill.
29	M/s Arti mill.
30	M/s Lord Ganesh mill.
31	M/s Verma mill.
32	M/s Verma mill.
33	M/s Kansal feed factory.
34	M/s Kansal Krushi Udyog.
35	M/s GS forging Pvt. Ltd.
36	M/s ANJ casting.
37	M/s AR Agro Pvt.Ltd
38	M/s Sharma Mill Pvt.Ltd
39	M/s Arpan Mill Pvt.Ltd
40	M/s SA Agrotech Pvt.Ltd
41	M/s Madhav Mill. Pvt.Ltd
42	M/s Bhagvati Mill. Pvt.Ltd
43	M/s Nav Durga Mill.Pvt.Ltd
44	M/S Ambay Mill, Khanna
45	M/S Ambay Mill, Khanna
46	M/S Aujla Mill, Khanna
47	M/S Guru Nanak Mill, Khanna
48	M/S Shree Ganpati & General Mill Khanna
49	M/S Jindal Mill, Khanna
50	M/S Ganga Roller Mill, Khanna
51	M/S Ganga Mill, Khanna
52	M/s Jindal Agro Industries, Khanna.
53	M/s Durga Mills, Khanna.
54	M/s Naveen Mills, Khanna.
55	M/s Shanker Steel Industries, MGG.
56	M/s Satyam Roller Mills, Khanna.

Sr. No	Name of the Unit
57	M/s Satyam Agro & ALLIED Industries, Khanna.
58	M/s Ambica Mills, Khanna.
59	M/s Rajbir , Khanna.
60	M/s Modern Refractories, Khanna.
61	M/s Sohna General Mills.
62	M/s Shree Ganesh Mills.
63	M/s Vivek Re-Rolling Mills
64	M/S Modi steel Pvt. Ltd.
65	M/S Aggarwal industries.
66	M/S United Agro industries.
67	M/S Aggarwal Agro industries.
68	M/S Dhanraj General Mills.
69	M/S Nihan Agro industries.
70	M/S Shiva Agro industries.
71	M/S Karam steel industries Pvt. Ltd.
72	M/S Singla steel & allied industries.
73	M/S Karam steel corporation.
74	M/S Shri guru dev 1008 Maharaj.
75	M/S Rajan kamal & General Mills.
76	M/S Nagra General Mills.
77	M/S Krishna Agro industries.
78	M/S Kang board
79	M/s Shiv Shakti Casting Pvt. Ltd.
80	M/s Royal Ispat Udyog Pvt. Ltd.
81	M/s Bansal Udyog Pvt. Ltd.

TESTINGS:

Sr. No	Name of testing	No of test
1	Chemical	834
2	Metallography	375
3	Mechanical	1072
4	Safety Inspection	290
5	Total	2571

OTHER ACTIVITIES**GREEN STEEL CERTIFICATION:**

To facilitate decarbonisation of steel sector and overall containment of CO₂ emission in Iron & Steel Sector, NISST has been notified Nodal agency for Measuring, Reporting and Verification (MRV) as well as for issuing greenness certificates and star ratings for steel, vide Ministry Notification F. No. 1(6)-2024-ID-2, dated 23rd December 2024.

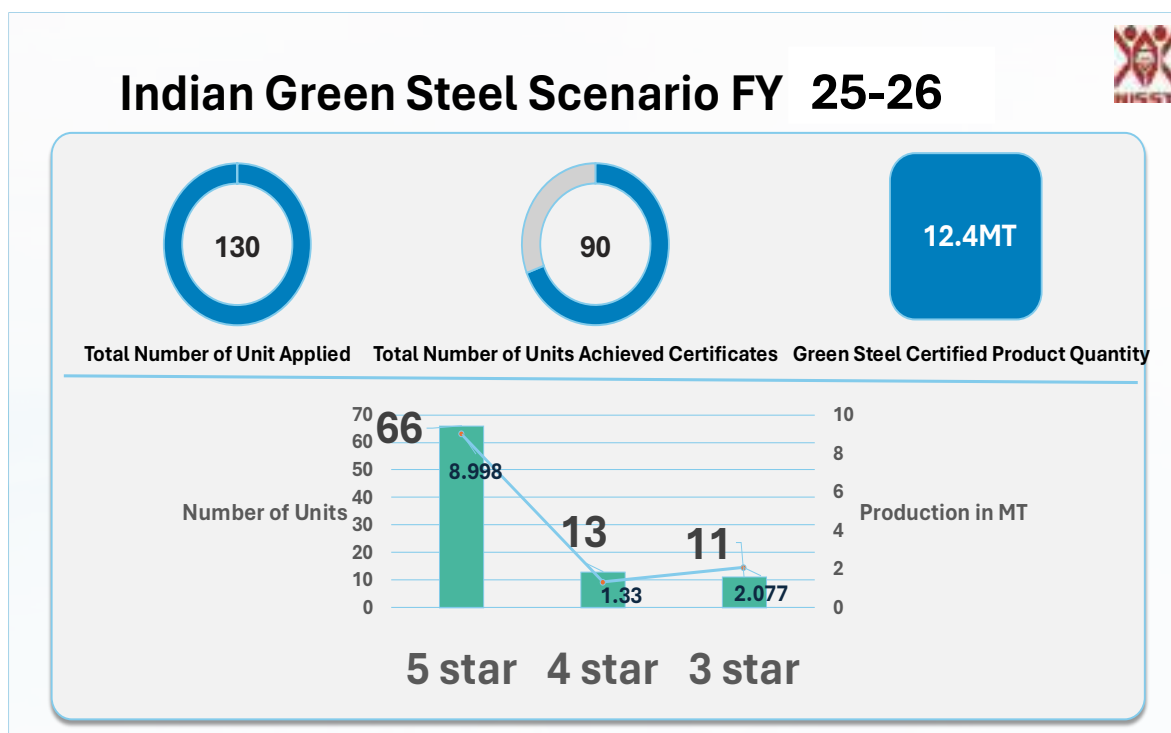
Work accomplished related to the activity are as below:

- ☐ As per the notification issued by Ministry of steel regarding Green Steel taxonomy NISST has developed Guidelines for Green Steel Certification.

- ☐ Developed worksheet for calculation of CO₂ emission per tonne of finished steel after consultation with stakeholders.
- ☐ Empanelment of Green Steel Audit Firms and also fixed rates for green steel audits as per the directions of ministry.
- ☐ Executed registration and certification processes.
- ☐ Awarded First Green Steel Certificate in the month of Aug 2025.
- ☐ Awareness on Green Steel certification through various platforms.
- ☐ Developed Green Steel Portal.

Status of Green Steel Certification as on 31.03.2026

Request Received in Month	Units Registered	Audit Conducted	Report Received	Certificate issued	Unit not qualified	Unit Refused for audit after registration
Apr-Aug-25	56	54	53	48	5	3
Sep-25	11	11	11	10	1	--
Oct-25	19	17	17	15	2	2
Nov-25	18	13	11	9	2	7
Dec-25	10	6	6	6	0	4
Jan-26	6	3	3	1	2	3
Feb-26	10	0	1	1	0	9
Total	130	107	102	90	12	28



Top 5 Green Steel Certified Plants



Plants having carbon emission less than <0.9 t-CO₂ e/tfs



GHG BASELINE STUDY:

- ❑ NISST was appointed as the Technical Nodal Agency to oversee the conduct of the GHG studies of Iron and steel sector excluding DCs.
- ❑ Accordingly, the reports pertaining to **637** number of units were evaluated by NISST and the reports of **497** number of units were finalized and forwarded to JPC. While efforts were made by the agencies to execute the assigned work, the activities could not be completed within the stipulated timeframe.
- ❑ Subsequently, the entire scope of work relating to the conduct of the studies was entrusted to NISST. In pursuance of the same, NISST floated a tender through newspapers on 11.12.2025 for the **“Selection of Agencies for Measuring Baseline GHG Emissions of the Steel Plants in India.”**
- ❑ The tender is being evaluated and Work Order issued to the following agencies as below:
 1. Green Tree Building Energy - South Zone.
 2. PTC India - West & Central Zone.
 3. TUV SUD - East Zone.
 4. Wire Consultancy – North-1 & North-2 Zones.

Status of GHG Baseline reports of Mar 2026

Sr No	No of Units Allotted	Zone	Agency Name	Report received till Mar 2026	Report evaluated till Mar 2026
1	290	N1	Wire consultancy	27	26
2	223	N2	Wire consultancy	44	30
3	255	South Zone	Green Tree Building Energy	0	0
4	433	West Zone	PTC India	12	12
5	357	Central Zone	PTC India	4	0
6	237	East Zone	TUV SUD	0	0

CHINTAN SHIVIR 2026

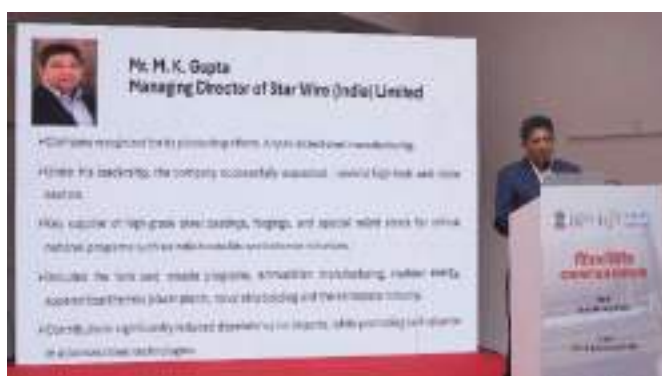
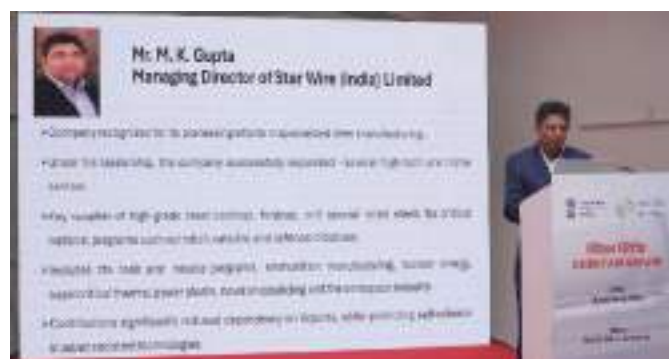
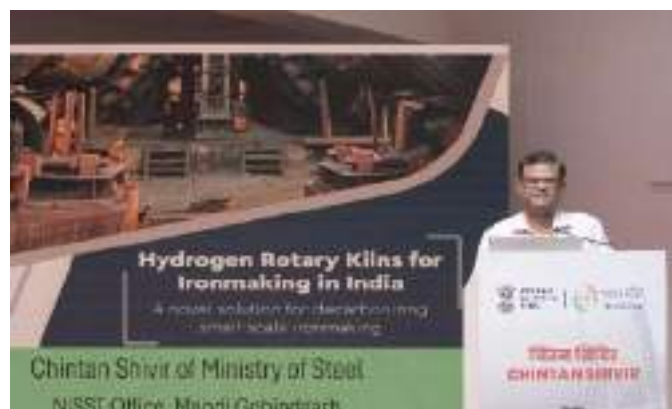
As directed by Ministry of Steel, A ‘Chintan Shivr’ was organized on 16th February, 2026 at National Institute of Secondary Steel Technology (NISST), Mandi Gobindgarh, Punjab in order to initiating the deliberations on Green Steel Production in the country. The event was inaugurated by Shri Sandeep Poundrik, Secretary, Ministry of Steel. Additional Secretary & Financial Advisor, Joint Secretary and other officials of the Ministry of Steel, CPSEs, technical experts, Industry associations and representatives from secondary steel sector participated in the event.

A total of 58 participants from various Industries and Associations attended the Chintan Shivr.

Few Glimpses of Chintan Shivir 2026







CHAPTER-4

RECEIPT & PAYMENT STATEMENT

<i>Details of Receipts & Payments</i>	
F.Y. 2025 - 26	
Receipts	(Rupees in Lakhs)
Technical Services	336.06
Interest Income	35.23
Revenue Grant from JPC	501.50
Special Grant for Strengthening of NISST from JPC	55.00
Special Grant from JPC B/F from previous year	58.58
Total	986.37
Payments	
Refurbishment of NISST Building	201.41
Other Capital Expenditure	42.93
Salary & Emp. Related Expenses	538.47
Office Running Exp.	59.17
Travelling	13.01
Expenses on training in clusters & other tech. activities	28.48
Expenditure against grant for strengthening of NISST	112.92
Total	996.39

CHAPTER-5

MANPOWER DETAILS

LIST OF REGULAR EMPLOYEES AS ON 31.03.2026

Sl No.	NAME S/Shri	Designation	Gender
1.	Parmjeet Singh	Director	Male
2.	Sandeep Pal Singh	Sr. Deputy Director (Technical)	Male
3.	Bimal Kumar Bansal	Sr. Deputy Director (F&A) / (P&A)	Male
4.	Brijesh Kumar Batish	Section Officer (E&PC)	Male
5.	Alok Kumar Jha	Section Officer (Computer)	Male
6.	Milind N Tupkar	Section Officer (F&A)	Male
7.	Kuldeep Singh	Section Officer (Electrical)	Male
8.	Vimal Kumar	Office Superintendent (P&A)	Male
9.	Hari Bahadur	Sr. Lab cum Office Attendant	Male
10.	Vikas Kumar	Lab Assistant	Male
11.	Mrs. Renu Bala Roy	Sr. Assistant	Female
Male = 10 & Female = 01 = 11 Total employees			

CONTRACTUAL EMPLOYEES AS ON 31.03.2026

S.No.	Name of the employee S/Shri/Ms	Designation	Gender
01	Rahul Sharma	Manager (Energy)	Male
02	Bikas Kumar Chandrakar	Manager (Energy)	Male
03	Vaibhav Singh Thakur	Manager (Energy)	Male
04	Ashok Verma	Technical Manager (Mechanical)	Male
05	Vipin Kumar	Technical Manager (Metallurgy)	Male
06	Koustav Paul	Technical Manager (Elect. & Electronics)	Male
07	Shivam Bhardwaj	Technical Assistant to Director	Male
08	Duregesh Notial	Dy. Quality Manager	Male
09	Sunil Kumar	Technical Assistant	Male
10	Paramveer Sharma	Technical Assistant	Male
11	Jujhar Singh	Technical Assistant	Male
12	Ravi Kumar	Technician	Male
13	Munish Kumar	Technical Assistant (Electrical)	Male
14	Chirag Ghawri	Assistant	Male
15	Akhilesh Kumar	Lab. Technician	Male
16	Amandeep Singh	Lab Attendant (Chemical Lab)	Male
17	Virender Singh Patwal	Consultant (F&A)	Male
18	Sachin Kumar	Assistant (F&A)	Male
19	Hitesh Kumar	Gardener	Male
20	Meetu Nihalani	HR Manager	Female
Male = 19 & Female = 01 = 20 Total employees			

LIST OF BOARD MEMBERS

Sr No	BOARD MEMBER NAME	DESIGNATION
1	Mr. Daya Nidhan Pandey (IAS)	Chairman, NISST & Joint Secretary, Ministry of Steel
2	Mr. Raj Kumar	Joint Director, Ministry of Steel
3	Mr. Shalabh Sharma	Executive Secretary, Joint Plant Committee
4	Dr. Jagannath Pal	Chief Scientist, National Metallurgical Laboratory
5	Mr. Deependra Kashiva	Director General, Sponge Iron Manufacturers Association (SIMA)
6	Mr. D. Ravi Kumar	Professor, Department of Mechanical Engineering
7	Dr. Anil Dhawan	Director General, Alloy Steel Producers Association of India (ASPA)
8	Mr. Yogesh Mandhani	President, All India Induction Furnace Association (AIIFA)
9	Mr. Sushil Kumar	General Secretary, All India Steel Re-Rollers Association (AISRA)
10	Mr. Rajesh Kumar Vijayavergia	Former Executive Director (Operation), SAIL
11	Mr. Parmjeet Singh	Director, NISST
12	Mr. Sandeep Pal Singh	Senior Deputy Director (Technical), NISST