

TECHNICAL INSTITUTES UNDER MINISTRY OF STEEL

BIJU PATNAIK NATIONAL STEEL INSTITUTE

Based on the concept plan developed by the Task Force setup by the Ministry of Steel, a decision was taken to setup a National Steel Institute (NSI) at Puri, as a training-cum-service-cum- R&D centre under the management of Joint Plant Committee (JPC). The foundation stone for the Biju Patnaik National Steel Institute (BPNSI) at Puri was laid on 1st January 2001. The institute is registered under the Societies Registration Act, 1860 and started functioning from 1st January, 2002. The Chairman, JPC is also the Chairman of the BPNSI. The BPNSI was established to help the domestic secondary steel industry to be in tandem with the rapid transformation which global and Indian steel industry has been undergoing. Presently, the BPNSI is conducting courses on Software Engineering and Computer System Maintenance, Welding & Fabrication and steel making technology etc. The Cabinet has on 20th February, 2004 approved the setting up of the BPNSI at Puri as a full-fledged institute with capital funding from JPC. The shortfall in establishment expenditure will also be met by the JPC till the Institute becomes self-sustaining. An advance of Rs. 10 crores has been given to the BPNSI from the JPC fund, the interest of which is to be utilised for undertaking research and development projects.

The major initiatives taken by BPNSI in the year 2004-05 were as follows:-

- (i) National workshop on stainless steel fabrication was organised by BPNSI in collaboration with Indian Institute of Welding and Indian Stainless Steel Development Association (ISSDA) etc. on 8th and 9th of April, 2004.
- (ii) 47 students from various engineering colleges were given training.
- (iii) M/s. Kalinga Foundation Trust have offered Biju Patnaik National Steel Institute (BPNSI) 2500-4500 Square feet of space in prime location of Bhubaneswar free of rental for undertaking research activities.
- (iv) M/s. Macedon Indo Austrian Ventures (P) Ltd. has offered its induction/are base modern Alloy Steel Plant with modern lab equipment/facilities in Titalgarh to Biju Patnaik National Steel Institute (BPNSI) as a prototype Research & Development and demonstration centre free of cost.

Biju Patnaik National Steel Institute (BPNSI) has developed a waste to wealth project with RRL for converting ferruginous waste (iron ore fines and oily mill scales) and carbon residues and coke wasting including charcoal fines into a highly metallized sponge iron and hot charging directly into induction furnace.

NATIONAL INSTITUTE OF SECONDARY STEEL TECHNOLOGY

The idea of setting up of NISST was conceived in the year 1984. The Institute was incorporated as a Society on 18th August, 1987 with its registered office at Chandigarh under the Chairmanship of Development Commissioner for Iron & Steel with the following aims and objectives:

To provide trained manpower to secondary steel sector by conducting short term and long term courses.

- To bring awareness about the State of Art Technology by holding seminars, symposia, workshops and in-house training programmes relevant to secondary steel sector.
- To provide various industrial services and testing facilities.
- To extend consultancy services to the industry in terms of solving technological prob-



Medium Merchant & Structural Mill

lems, improving energy efficiency and reducing pollution levels.

- To conduct Research, Development and Design work in frontier areas for providing updated technology to this sector.
- To organize for documentation and information retrieval services to the industry.
- To provide a platform for interaction between industry and educational as well as research institution.

The following areas of the secondary steel sector are under the purview of the Institute: -

- Electric Arc and Induction Furnace units
- Ladle Refining facility
- Rolling Mills (Hot & Cold)
- Direct Reduced Iron Units

The Institute has its own campus constructed on six acres of land located on GT Road, Mandi Gobindgarh, Punjab. The Institute also has Hostel facility as well as staff quarters besides having a Laboratory and a library. It has two regional Centres located at Nagpur and Kolkata. The headquarters of the institute was shifted from Delhi to Mandi Gobindgarh in April 1997.

The Institute is managed by a Board of Governors consisting of members from industry, Educational Institutions, Industrial Associations & Ministry of Steel. The Joint Secretary, Ministry of Steel looking after the work of DCI&S is the Chairman of the Institute.

INSTITUTE FOR STEEL DEVELOPMENT AND GROWTH

The initiatives for setting up the INSDAG emanated from the steel producers and the Institute was registered as Society on 26th August, 1996. The mission of the Institute is to work in unison with all the stakeholders so as to evolve wage and means for efficient use of steel and provide optimum value to the customers.

The Institute primarily works towards the development of technology in steel usage and market for the steel producers. INSDAG is housed in part of the Office of the Joint Plant Committee (JPC) at Kolkata. INSDAG was expected to function and grow on contribution from the industry. However, the membership contribution is barely 20% of the total fund requirement, with the balance being met through grants from the JPC.