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Chairman, SAIL addresses employees on 1st January, 2022
हमें क्षमा है, हमें हमेशा इसे साबित किया है अब हमें और बेहतर करना है

हमारे प्रिय आधिकारिक,

हमें क्षमा की, क्योंकि हम एकजुट होकर कुछ नीतियों का साभार कर सकते हैं और अपनी उपयोगियों को साक्षर कर सकते हैं। हम राहत की नीतियों को प्रस्तुत करने के साथ योजनाओं के जीवनसाथी, स्वयं, आधुनिक प्रौद्योगिकी से सहभागिता है। हमारी शाखाओं, संगठन, देशवासी और राजनीति की मान्यता साक्षरी पर उजागर रहते हैं।

हम सभी को, प्रशासन से लेकर अपनी व्यक्तित्वता से आगे बढ़ने की अग्रेसिव योजना देना है। हमारे आपसी तारीख से हमारे परिदृश्य निर्देशित रूप से हमारे संघर्ष को विकास और संपर्क से एक कठोर पथ की ओर आगरसर करेगा।

इस वर्ष-2022 के लिए हमारे ध्यान अपनी पूर्ण क्षमा का उपयोग करने के साथ ही, इस दृष्टि के है कि टॉपिकर में से लगभग हजारों का रजत कर लेंगे।

उन्नत भविष्य के लिए सात सूत्र

- **संयुक्त**

  संयुक्त संघ भारतीय और रचनाकार आवश्यकता है। हमें यह सुनिश्चित करना होगा कि सुसंगठन का मानक प्रक्रियाओं (SOPs) का पालन किया जाए। सुसंगठन प्रति हमारी जीवन डालर की नीति है। संयुक्त संघ के लिए सहयोगी जीवन डालर का पितात्सा होगा और हमें कुर्सी-विवरण की रोजगार के लिए प्रीशीली कार्यों से सीता लेकर आगे बढ़ना चाहिए।

- **कार्य निर्माण**

  फिर से चित के दौरे में बाँटने वाली नीतियों के बाकी हैं, जो कि साक्षरता कर दिया है जिससे हमारी कार्यवाही, हमारी संगठनों में बढ़ता है। हमें देखना होगा कि इसका संगठन भी हमारे प्रस्तावों में होता है। हमें अपने संगठन की दिशा में आगरसर, आगे बढ़ने की योजना करना होगा। हम लोगों के साक्षरता की गुणवत्ता के लिए सुनिश्चित करना होगा।

- **सहयोगी संवेदनशीलता**

  सहयोगी संवेदनशीलता संबंधी विचारों को स्वीकार करें। इसके लिए हमें संयुक्त संघ के साथ लगभग निर्देशित रूप से आगरसर करना होगा। हमें संयुक्त संघ के साथ लगभग निर्देशित रूप से आगरसर करना होगा। हमारे प्रति हमारी जीवन डालर की नीति है। संयुक्त संघ के लिए सहयोगी जीवन डालर का पितात्सा होगा और हमें कुर्सी-विवरण की रोजगार के लिए प्रीशीली कार्यों से सीता लेकर आगे बढ़ना चाहिए।

- **पर्यावरणीय संवेदनशीलता**

  पर्यावरण संबंधी नीतियों को स्वीकार करें। इसके लिए हमें संयुक्त संघ के साथ लगभग निर्देशित रूप से आगरसर करना होगा। हमें संयुक्त संघ के साथ लगभग निर्देशित रूप से आगरसर करना होगा। हमारे प्रति हमारी जीवन डालर की नीति है। संयुक्त संघ के लिए सहयोगी जीवन डालर का पितात्सा होगा और हमें कुर्सी-विवरण की रोजगार के लिए प्रीशीली कार्यों से सीता लेकर आगे बढ़ना चाहिए।

- **विभिन्न क्षेत्रों में संयुक्त**

  हमारे ध्यान पर रखें कि संयुक्त संघ का आग्रह पूरा करना है। हमें अपने विभिन्न शाखाओं के लिए संयुक्त कार्यवाही प्रवर्तित करना होगा।

- **राजनीति**

  राजनीति की लागू होने वाली नीतियों को स्वीकार करें। इसके लिए हमें संयुक्त संघ के साथ लगभग निर्देशित रूप से आगरसर करना होगा। हमारे दिशा में संयुक्त संघ के साथ लगभग निर्देशित रूप से आगरसर करना होगा। हमारे प्रति हमारी जीवन डालर की नीति है। संयुक्त संघ के लिए सहयोगी जीवन डालर का पितात्सा होगा और हमें कुर्सी-विवरण की रोजगार के लिए प्रीशीली कार्यों से सीता लेकर आगे बढ़ना चाहिए।

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  हमारे ध्यान पर रखें कि संयुक्त संघ का आग्रह पूरा करना है। हमें अपने विभिन्न शाखाओं के लिए संयुक्त कार्यवाही प्रवर्तित करना होगा।
My Dear Colleagues,

We have proved time and again that as a Collective we can rise to the occasion in the face of challenges and surpass all expectations. Our execution of plans with urgency of purpose during the last several quarters in the face of the pandemic has made us realise the depth of our potential. We have discovered our spirit of resilience, fighting back, care and compassion. Let all of us, at professional level, surpass our potential and contribute our best to the cause of the company. The synergy of this contribution shall surely propel our organisation to a greater trajectory of growth and prosperity. Our focus for the Year-2022 is to utilise our full potential and make our stakeholders proud of their association with SAIL.

Seven Sutras for a Sustainable Future

✦ Safety

Safety remains our first and foremost priority. We must ensure that safety SOPs are followed and that we have ‘Zero tolerance’ to safety violation. ‘Safety’ must be our way of life and near-miss cases should be our catalyst for prevention of accidents.

✦ Performance

Our several record-breaking performances during last year, amidst severe challenges, have amply proved that our potential is much more. We must surpass our best in productions whether at Mines or Steel Plants. Coupled with enhanced production in desired quality and quantity, we have to maximize production of finished steel and enhance the share of value added steel. We have to neutralize all impediments to productions by way of scheduled preventive maintenance and efficient analytics based material planning. There is a need to focus on improving efficiencies in the entire value chain from Mining to Marketing by optimal use of available facilities and resources. We have to improve our bottomline with better techno-economics, minimize process rejections, lower dependency on imported coal, optimize asset utilization and monetization.

✦ Customer Connect

Customer satisfaction and getting the best value for our products remain the cornerstone of our efforts to ensure increased market presence. We have to not only be aware about our customers’ current requirements but also help them in their future growth story by way of new products, innovative usages, committed supply chain and unfailing quality. We must invest in building a professional relationship with our customers that would stand the test of market volatility by way of superior services, reach and information-sharing.

✦ Environmental Sensitivity

Environment concerns have to be mitigated both for the current times and for the future. We have to not only attain and adhere to the governmental norms and specifications for various environmental standards but also to strive to go beyond them to set new benchmarks.

✦ Competence Building

Judicious use of precious and competent manpower is most important in the context of a competitive steel industry. For this, we must re-emphasize on re-skilling, up-skilling and multi-skilling of our employees on a sustained basis. Leaders are required to act as enablers for nurturing, encouraging ideation & creativity which are beneficial for the growth of the company. There is a need to provide suitable space for a culture of creativity and entrepreneurship to thrive.

✦ Digital Footprint

We have already started adopting digital interventions. We must continuously upgrade ourselves to embrace Industry 4.0 to take our digital journey forward.

✦ People at the Core

Our people are our greatest strength. Our policies and actions must support all activities that can motivate our people to achieve their potential while maintaining the high standards of probity, accountability and transparency. The decisions we take must be based on inclusivity and to promote equal opportunity.

I truly believe that change is the only constant. We need to be the change we want to see.

(Soma Mondal)
Chairman
The Minister of Steel, Shri Ram Chandra Prasad Singh addressed major steel users of North West Region at a Customer Meet organised by SAIL in Chandigarh on 19 December, 2021. While addressing the gathering, Shri Singh emphasized that production of steel in India has been envisaged at 300 million tonnes annually as per National Steel Policy keeping the increased domestic consumption in mind. The Union Government is working on various fronts of economy to support infrastructure, industry, exports etc. These efforts require higher production and will see a matching increase in steel consumption. All enabling support will be extended by the Ministry of Steel to all stakeholders, within the ambit of Atmanirbhar Bharat, to see the targets set are achieved.

This customer meet organized by SAIL at Chandigarh was attended by 45 customers representing diverse segments of steel industry viz. LPG, boilers, cold reducers, pipe manufacturers, re-rollers, railway fabricators, projects etc. from Chandigarh, Ludhiana and Mandi Govindgarh. Customers presented their views on valuable contribution of state run SAIL during 2020 ensuring availability of material. Additional Secretary, Ministry of Steel and Chairman, SAIL were also present at this interaction.

In line with the Ministry of Steel continuous efforts towards increasing the consumption of steel in the country, the Union Steel Minister, Shri Ram Chandra Prasad Singh held a meeting with different steel consumers including MSMEs for enhancing the usage of steel in the North-Eastern Region of the country and particularly in Tripura. While addressing the gathering, Shri Singh mentioned that infrastructure development is being given top priority by the Government and steel will play
an important role in it. Highlighting the immense potential of Tripura in the light of upcoming connectivity through Chittagong port, the Minister said that there are huge opportunities to enhance steel consumption in the state. He assured to address all issues highlighted in the meeting.

**Hon’ble Minister of Steel, Shri RCP Singh speaks to steel users in Jammu**

As part of a two-day public outreach campaign in Jammu and Kashmir, Hon’ble Union Minister for Steel, Shri Ram Chandra Prasad Singh addressed steel consumers meet in Jammu on 9 October, 2021 saying-

“Steel is essential for economic development since it is a critical component of construction, infrastructure, defense, automobile, engineering, and packaging. With a number of new road and rail projects in the Union Territory, the Steel Ministry, as well as Steel firms, would be able to provide faster and even economic development to the region”.

Joint Secretary, Ministry of Steel, Shri Puneet Kansal reiterated the importance of Jammu & Kashmir and Ladakh regions to the Government and assured full help from Ministry of Steel in facilitating better availability of steel to the industry and projects in the UTs.

**Meeting of Hon’ble Minister of Steel with Hon’ble Minister of Energy of the Russian Federation**

Hon’ble Minister of Steel, Shri Ram Chandra Prasad Singh met with Hon’ble Minister of Energy of the Russian Federation, Mr. Nikolay Shulginov in Moscow during the “Russian Energy Week”. During their meeting, the two leaders discussed opportunities of collaboration in coking coal in steel sector. A landmark ‘Memorandum of Understanding’ (MoU) regarding collaboration in coking coal used in steel making and R&D in steel sector was signed between the two countries.

**Seminar on the Production Linked Incentive (PLI) Scheme for Specialty Steel**

Ministry of Steel organized a day long Seminar on the PLI Scheme for Specialty Steel on 25 October, 2021. The objective of the seminar was to provide a platform to the stakeholders for brainstorming key features of the PLI scheme, to leverage the opportunities and resolve the challenges that the industry may foresee.

Minister of Steel, Shri Ram Chandra Prasad Singh presided over the seminar and Minister of State for Steel, Shri Faggan Singh Kulaste delivered special address on the
occasion. Shri Pradip Kumar Tripathi, then Secretary Steel and other Senior Officials from the Ministry of Steel were also present.

Delivering the inaugural address Shri Ram Chandra Prasad Singh said that “100 crore vaccination against Covid-19 shows that as the nation India is capable of attaining goals even in extremely challenging situations”.

The Minister also stated that India also should have a Centre of Excellence in the field of research to further enhance production of quality steel and reduce dependence on imports as a nation. He said that equity and inclusiveness is the focus of the scheme. “We need to develop and strengthen our R&D in steel. IP Bardin, world renowned R&D institute and leader in development of specialty steel, is ready to collaborate with India in this important field. We should work together to make this PLI scheme, a success”, he said. The Minister also stressed on the importance of reducing carbon footprint while enhancing steel production.

“We have successfully administered 1 billion doses, which is praiseworthy. In spite of the pandemic, our country maintained the process of economic activities and manufacturing activities survived the turbulence.” Hon’ble Minister of Steel, Shri RCP Singh
Shri Singh mentioned that India is never short of demand for steel due to the progressive steps by the Government in different sectors. The vision of PLI is one such step, wherein we can reduce our dependence on imports and move towards Atmanibhar Bharat.

The Minister further said that there is huge scope for import substitution & export. PLI Scheme and its guidelines have been formulated by Ministry of Steel & MECON based on discussion with stakeholders, industry & inter-ministerial units.

The Minister of State for Steel and Rural development, Shri Faggan Singh Kulaste said that the objective of the Government is “Make in India- Atamnirbhar Bharat”. The scheme shall boost the production in specialty steel which will lead to employment generation. With this initiative, secondary steel producers and MSME sector will be benefited too. In his address, Shri Kulaste also asked the stakeholders participating in the conference to discuss and come out with suggestions on the scheme.

The then Secretary Steel, Shri Pradip Kumar Tripathi said that the steel industry leaders and government agencies are involved in developing this scheme. He also said that we have achieved 109 MT Steel productions in 2019-20, before pandemic set in. “We hope to increase the production of speciality steel from 18MT to 42 MT in the next 5 years through this scheme. Our aim is to improve cost competitiveness of steel sector” he said.

The seminar witnessed participation from policy makers, bureaucrats, steel PSUs, integrated steel producers, secondary steel producers, potential investors, specialty steel makers, steel associations, academicians and others. Shri Vikram Misri, Indian Ambassador to Peoples Republic of China also addressed the gathering virtually.

A report on PLI for Steel prepared by Invest India was released by Hon’ble Minister of Steel, Shri Singh in presence of Minister of State for Steel and Rural Development, Shri Kulaste and other dignitaries on the dais. Earlier, lighting of lamp ceremony at the Seminar was held by the Steel Minister and Minister of State for Steel and dignitaries of Steel Industry.
Dashboard 2.0 of the Ministry of Steel was launched by Hon’ble Minister of Steel, Shri RCP Singh

Developed by the NICSI, the Dashboard is an interactive and dynamic online platform that captures the performance on various parameters related to steel sector such as steel capacity utilisation, production and consumption, prices, raw material production, trade, stocks and rail production etc.

The Dashboard will help to monitor and analyse the performance of steel companies on real time basis for different KPIs of steel sector.

Salient features of the Analytical Dashboard are:

- Steel Production: Sector wise (Public and Private) and Route wise production of Crude Steel, Finished Steel, Pig Iron and Sponge Iron
- Capacity Utilization: Monthly Trends of Capacity Utilization for Public and Private Sector
- Trade: Daily and Monthly analysis of Import, Export and Trade Balance, both top 10 and bottom 10 Importing and Exporting countries
- Consumption: Month wise and Category wise trend of Consumption for Finished and Value-Added Steel
- Price: Fortnightly Prices of Steel Items at four metro cities
- Raw material: Monthly trend of Iron Ore and Manganese Ore, Daily quantity evacuated by NMDC, SAIL and MOIL
• Rail Production: Daily data of Rail production
• Stock: Month wise stock of Alloy, Non-Alloy and Stainless Steel
• Historical data: Production and Trade for last 10 years
• Alerts: Negative Trend of Production, Utilization etc.

The Dashboard will enable Ministry of Steel to get better insights to assist data driven decision making by way of extraction of trends, patterns and useful information. Visualisation of trends and patterns assist decision makers in finding anomalies and forecasting based on patterns. Monthly and Yearly comparison of different KPIs is also available.

Hon’ble Minister has given valuable suggestions for improving the Dashboard in a time bound manner. He also emphasised on the regular updation of the Dashboard so that most current information is available for the Ministry.

Meeting of the Consultative Committee for Ministry of Steel

Hon’ble Minister of Steel, chaired the 2nd meeting of the Consultative Committee for the calendar year during 14-15 November, 2021 at Kevadia, Gujarat. During the meeting, Hon’ble Minister of Steel visited the stall where SAIL had displayed “Retail Promotional” items. Hon’ble Minister was also briefly explained about SAIL’s activities in retail promotion.
Hon’ble Minister of Steel, Shri RCP Singh visits Durgapur Steel Plant
Hon’ble Minister of State for Rural Development and Steel visits Bhilai Steel Plant
Shri Sanjay Kumar Singh assumes charge as Secretary, Ministry of Steel

Shri Sanjay Kumar Singh assumed charge as Secretary, Ministry of Steel in New Delhi on 30 December, 2021. He is a 1987 batch IAS officer of Madhya Pradesh cadre. Before assuming the present post, Shri Sanjay Kumar Singh was holding the post of Secretary, Department of Administrative Reforms & Public Grievances (DARPG) and Department of Pensions & Pensioners Welfare (DoPPW). Earlier Secretary, Ministry of Steel, Shri PK Tripathi has taken charge as Secretary, Department of Personnel and Training (DOPT).
SAIL continuously integrates itself with the evolving requirements of steel products for various end uses. There is a regular and sustained focus on research and development of newer products and grades at SAIL. Every year, each plant rolls out some new grades which cater to specific market and user requirements.

Smt. Soma Mondal, Chairman, SAIL in her address to the share-holders of the company during the 49th Annual General Meeting held at SAIL’s headquarters in Delhi on 28 September, 2021 said that, “SAIL has been the front runner in taking forward the ‘Atmanirbhar Bharat’ initiative by developing and producing import substitute steel products. The continuous activities in respect of product development have led to development of 17 new steel products during the FY’21, the most prominent among them being R-260 Rails, API X70 Plates, Wire Rod Coils in High Carbon/EN8 and EWN, WDG4 Wheels, etc.”

These products while adding to the product basket of SAIL will also help in meeting the objective of import substitution and strengthening the country in strategic areas such as shipbuilding, auto, railway, infrastructure & construction etc. Smt. Mondal had further added in her address. The company is bolstering its product portfolio on these lines and keeping the nuanced requirements of steel for the domestic market. The past year was extremely challenging and the current financial year also began under the dark clouds of uncertainty brought upon by the Covid-19 pandemic. However, the proactive steps and nimble footed approach adopted by the management helped the company stride over the challenges posed by the pandemic.
Rails and railway products including the wheels and wheel & axle sets have remained an area of dominance for SAIL. The rails supplied by the company thus far can circumnavigate the moon more than 14 times, when joined end-to-end. This is a matter of pride and also a huge responsibility for the company. It has always strived to be supplier of quality and quantity of products for the Indian Railways. SAIL’s Bhilai Steel Plant rolled out and despatched the first rake of vanadium alloyed special grade Rails, R 260 grade, for the Indian Railways in June 2020.

The R 260 grade of Rails is targeted to meet the requirements of Indian Railways for higher speed and higher axle load. The high strength of more than 550 MPa (Mega Pascal) will enable Indian Railways to withstand more rigorous Rail traffic and also achieve better life.

Another important product was dispatch of WDG-04 wheels to Indian railways on 11 February, 2021 from SAIL- Durgapur Steel plant, the only producer of forged railway wheels in India. SAIL-DSP has been successfully developing various railway wheels of latest designs as per requirements and specification of Indian railways, thereby helping in import substitution. Prior to this, DSP has successfully developed and supplied MGLOCO, BG LOCO, S-Profile loco (2 variants), WAG-09 and WAP-05 wheels as per requirements of locomotive wheels for Indian Railways. The design of
WDG4 wheels is critical due to its complex curvature in web profile which is different from the existing product basket. This called in for a new designing of forging and dishing dies. The entire designing, trial production, optimization and subsequent manufacturing activities and dispatch has been done with the help of complete in-house resources of Wheel & Axle Plant of DSP within a record time.

The development and successful dispatch of WDG4 wheels, Durgapur Steel Plant is now catering to 100% requirement of locomotive wheels for Indian railways, thereby ensuring complete indigenization of Loco wheels segment, thereby embracing the true spirit of “Atmanirbhar Bharat”.

SAIL-Bokaro Steel Plant (BSL) has recently developed High Strength Galvanized Coil with high coating thickness, another furtherance in paving the way for Atmanirbhar Bharat. The Hot-Dip Galvanizing Line (HDGL) at Cold Rolling Mill-3 (CRM-3) of BSL has developed High Strength Galvanized Coil having YS (Yield Strength) greater than 350 MPa with high coating thickness of 450 GSM for the first time in SAIL. This grade has been made in accordance with IS 277:2018 GP350 & EN 10346: S350GD+Z350 GSM. The product will cater to the market of Grain & Food Storage Silos Manufacturing Sector as an import substitute. Notably, HDGL line of CRM-3 is also capable of processing construction steel grades as well as higher quality steel grades with a broad-gauge range. BSL is fully committed to cater to the requirements of speciality and high-grade steels in the country.

SAIL’s Rourkela Steel Plant has developed API X70 grade plates which will be a significant step towards import substitution of plates. The demand for oil and gas has ever increased and this has necessitated the use of high-pressure gas transmission pipe lines for best transport efficiency. Use of higher wall thickness is being replaced with high-strength thinner sections for cost effectiveness, better weldability and faster pipe-line laying time. The input materials for making these pipes were being imported. As a part of the prestigious “Make in India”, and “Aatmanirbhar Bharat” initiatives, RSP took a drive for import substitution as well as become a global supplier by developing different grades of API plates to cater to the needs of domestic as well as global market. RSP underwent detailed manufacturer procedure qualification and inspection test procedure after deliberation with the customer for processing of plates at RSP.

With rigorous and continual technological interventions, RSP has been successful in developing API X70 PSL-2 plates through SMS-II-NPM route.

Apart from these ‘feather in cap’ products in the SAIL’s product basket, various new and customized products with variety of specifications are being produced at SAIL plants. Coils for SAIL’s branded TMT bars-
SAIL SeQR are being produced in various specifications from BSP’s Bar and Rod Mill, high tensile quality structural steel products like channels and angles, blooms of special grades for rolling out heavy structural beams in desired quality and for transmission line towers are being produced from BSP.

RSP is rolling various special grade plates to meet the stringent and specialized requirements of strategic sectors. DSP has also developed LHB axles along with ASP and VISL for supplying to the Indian Railways.

Indian Railways is switching from BG coaches to LHB coaches to improve the safety standards. In supporting the Indian Railways, Durgapur Steel Plant had developed and dispatched LHB wheels in the past as per their needs and requirements. Always remaining ahead, Durgapur Steel Plant decided to meet the challenges of developing LHB Axles also for Indian Railways.

Three units of SAIL, namely DSP, ASP and VISL had started working with synergy in this direction to develop LHB Axles for Railways. While DSP produced the hot metal, ASP converted it into steel and VISL produced forged LHB axles from it.

These sustained efforts from all units of SAIL will not only give a fillip to the self-reliance of the country but it will also be an example for “Make in India”. The company has remain committed to meet every domestic steel requirement and partner India’s development story.
Shri Vejendla Srinivasa Chakravarthy has taken charge as Director (Commercial) of Steel Authority of India Limited (SAIL) on 24 December, 2021. A chemical engineer from Laxminarayan Institute of Technology, Nagpur University, Shri Chakravarthy joined SAIL in 1987 in the company’s Central Marketing Organization.

Shri Chakravarthy became the Executive Director, Marketing in SAIL before taking over as the Director (Commercial) of the company. He is known for his commercial and marketing acumen. Shri Chakravarthy has worked on various important projects including formulation of the company’s ‘Annual Business Plan’ for Marketing and contributed to production planning which has guided the company’s long term marketing strategy. He has taken several new initiatives during his tenure and postings at various marketing verticals in SAIL, which has helped in expanding the company’s base and making inroads in the market. As Executive Director, he had contributed to formulation and implementation of various products and price strategy.
SAIL's Research & Development Centre for Iron & Steel (RDCIS), SAIL-Bhilai Steel Plant, Indian Railway's research wing, RDSO and IIT Kanpur under Govt. of India initiative on Technology Mission on Rail Safety (TMRS) have jointly developed a unique welding and post weld-controlled cooling program for Ni-Cr-Cu (Nickel- Chromium- Copper) or NCC grade rails. The NCC rail which was developed for laying rails in coastal regions and corrosion prone locations of Indian Railways network has shown remarkable performance under field trials over the years. The approval tests for these rails were witnessed and certified by Rail India Technical and Economic Service Limited (RITES Ltd.)

The NCC rails are prone to develop undesired microstructure and hardness in the heat affected zone of weld joint with conventional welding procedure. Sur to technological innovation and such welding at joints successfully cleared the approval test. The development has enabled BSP to supply these rails in 260 metre welded panel with a sound and acceptable weld joint. Indian Railways were looking for these rails in 260 metre welded panel for laying tracks in coastal regions. The NCC rails guarantee double the life than normal rails under hostile corrosive environment in coastal areas.
In-house tech intervention of CCM-I, RSP helps optimise operational efficiency

An in-house technological intervention by a team of employees of Continuous Casting Shop-I (CCM-I), the casting shop of Steel Melting Shop-I has helped Rourkela Steel Plant to accrue huge savings and optimise operational efficiency. The team has successfully developed and installed a Propane Gas fuelled Sub-Entry Nozzle (SEN) Preheating Assembly at Tundish Car of CCM – I. This new fuel efficient system has replaced the existing preheating system based on mixed gas and air combustion.

This propane based new preheating system has reduced maintenance and down time considerably, thereby enhancing productivity and performance of the unit. Besides, the techno-economics have also further improved with the use of cleaner and high calorific value based propane gas. In the continuous casting process, molten steel from the Tundish is teemed into the water cooled mould through SEN. The SEN is preheated up to a temperature of about 450 degree centigrade in order to prevent cracking and breaking of the SEN due to thermal shocks. Earlier, mixed gas and air were being used together for the preheating purpose which was taking two to three hours to attain the desired temperature.

Besides, the use of mixed gas as fuel in the preheating was requiring frequent maintenance of the burners, valves, hoses, pipelines and headers due to choking by condensate and high preheating time.

Shri Celestine Tirkey-GM In-charge- SMS-1 and Shri A.V. Pradeep-GM (Mechanical), SMS-1 took up the challenge of commissioning the propane gas fuelled new system under the guidance of Shri R.K. Patra-CGM, SMS-1.

The innovative project was successfully executed using in house resources by team CCM-I (Mechanical) under the supervision of Shri S.N. Rout-Senior Manager, Shri J.K. Mohapatra-Manager, Shri P. Suchit Rao and Shri J.D. Mohapatra both Senior Technicians, CCM-I (Mechanical).
SAIL has been continually striving hard to improve its product basket for gaining edge in the global market. Recently with the joint efforts of RDCIS, High Phosphorous HRNO (Hot Rolled Non- Oriented) coil has been successfully rolled out from the Hot Strip Mill-1 of Rourkela Steel Plant. This would be used for producing Cold Rolled Non-Oriented (CRNO) steel used in manufacturing of electrical appliances like transformers and electrical motors.

These research and development activities of SAIL and RSP are helping in strengthening and realising the mission of Atmanirbhar Bharat.

This project was taken up with RDCIS to develop higher grades of CRNO having low core loss properties with increase in the resistivity induced by phosphorus addition along with lesser silicon content compared to what is required in CRNO steel without added phosphorus. The steel was made at Steel Melting Shop - I of RSP. Process chart for rolling of high phosphorus HRNO, developed by RDCIS, was reviewed by HSM team along with RCL. Different parameters like furnace zonal temperature, R2 temperature, finishing and coiling temperature, retention time in reheating furnace, draft schedule in roughing and finishing mill, mill speed etc. were discussed and fine tuned as per the mill and process requirement. The addition of phosphorus to the extent of 0.1 to 0.15% modifies the Fe-C-Si phase diagram to such an extent that it requires rolling of high phosphorus HRNO steel in dual phase with the anticipated high load in mill during hot rolling. Adequate preventive measures were taken to process the steel at a higher temperature and without any holding in the mill.

The trial rolling of first high phosphorus HRNO steel heat was taken up in HSM1 on 22 July, 2021. All the pre-decided parameters were closely monitored from slab charging in the furnace to finished coil discharge from coiler.

These coils were further rolled at SSM (Silicon Steel Mill) and converted to CRNO. The properties achieved for these CRNO coils will be measured and on confirmation this new grade will be commercialized. The main advantage of CRNO steel is the low core loss. Different grades of CRNO steel is categorised depending upon the degree of watt loss properties. Cost of production of higher grades of CRNO steel increase because of high silicon content and the associated process to obtain the related magnetic properties. This will definitely fetch a high value for the plant.
New facility inaugurated at Silicon Steel Mill of RSP

A new PLC and Control Desk with necessary protections interlocks and displays in Annealing and Pickling (AP) Line of Silicon Steel Mill was inaugurated on 13 August, 2021 at Rourkela Steel Plant. The old and obsolete Analog “Simadyne C” drives in AP line were giving frequent problems, resulting in intermittent stoppages of line. The stoppages of line caused lot of quality issues related to over pickling.

The spare cards could not be changed as those were unavailable and also declared obsolete by the original equipment manufacturer. The in-use cards had become old and unreliable after multiple times in-house repair as well as repairing from EED. To enhance the capacity as well as the quantity of production, an AMR project was undertaken for “Design, Engineering, Supply, Erection, Testing and commissioning of Digital drive system. Accordingly, new PLC and Control Desk with necessary protections interlocks and displays in Annealing and Pickling (AP) Line of SSM, was commissioned successfully earlier this year. With the new facilities, digital drives, PLC HMI and new smart control desks the line is running smoothly with fine controls by optimising the speed, current and voltage of the entire line. Operation has become easy due to availability of HMI screen in the control desk and fault finding has become quick with the availability of data logging and trending facility.
BOF Converter Shell replaced with provision for bottom stirring system and installation of New secondar emission control facilities

DSP did a commendable job of replacing the BOF Converter Shell including provision for Bottom Stirring System and installation of New Secondary Emission Control facilities in all three Converters of the Steel Melting Shop.

The job of replacement of third Converter i.e. Converter#1 along with hood changing was completed and made ready for first heat on 39th day on 31 August, 2021 vis-a-vis schedule of 55 days without affecting the normal production at SMS. Similarly, Converter#2 was also completed within scheduled contractual time and commissioned on 09 November, 2021 while Converter#3 was completed two weeks ahead of schedule on 24 June, 2021.

The lighting up of Converter #1 along with secondary emission control facilities for all the converters for commissioning was inaugurated by Shri AV Kamlakar, CEO, ISP with additional charge of CEO, DSP & ASP on 31 August, 2021. amidst presence of senior officials of DSP and CET.

Revamping of coke oven battery at DSP

Durgapur Steel Plant (DSP) has a well developed Coke Oven & Coal Chemicals plant for converting coking coal to coke for use in the Blast Furnace along with producing several other revenue earner by-products. We know that Coke oven Battery (COB) #3 of the Coke Oven & Coal Chemicals plant after its re-building was re-commissioned in 1996, but the condition of the ovens had deteriorated over time and required essential repair and maintenance.

To enhance its life & obtain steady coke production, the battery was taken up for cold repair. Subsequently COB# 3, a top-charged battery consisting of 78 Ovens of 4.45 metre height in two blocks was revamped by DSP and inaugurated on 06 October, 2021 by Shri AV Kamlakar, CEO ISP with addl. charge of CEO (DSP & ASP) in presence of other senior officials & cross-section of employees. The revamped battery will not only help in enhancing the production capacity of DSP but also contribute to emission control.
बीएसएल के एसएमएस-2 एवं सीसीएस ने बनाया नया कीर्तिमान

बोकारो इम्युङ संयंत्र के निदेशक प्रभारी श्री अमरेन्दु प्रकाश के आद्यन पर बित वर्ष 2021-22 के हर माह को एक बेहतर माह बनाने के लिए इम्युशक्ति प्रतिबद्ध हैं. कार्यों के सामाजिक प्रयास से उत्तादन के क्षेत्र में लगभग हर माह उक्तीता का नया बेंचमार्क स्थापित किया जा रहा है जिसका सिलसिला सितम्बर माह में भी जारी है.

इस शंखुता में एसएमएस-2 एवं सीसीएस की टीम ने 22 सितंबर को कॉस्टर संख्या -1 से सिंगल डीवीएम टंडश द्वारा 22 हीट लगातार कास्ट कर नया कीर्तिमान स्थापित किया है. इससे पहले टीम एसएमएस-2 एवं सीसीएस ने 14 जनवरी-21 को लगातार 21 हीट कास्ट कर कीर्तिमान स्थापित किया था.

इतने ही नहीं, टीम एसएमएस-2 एवं सीसीएस ने अपने 22 सितंबर के 22 हीट के रिकार्ड को तोड़ते हुए 23 सितंबर को कास्ट संख्या-2 से सिंगल डीवीएम टंडश द्वारा 23 हीट लगातार 20 पढ़े एवं 54 मिनट में कास्ट कर नया कीर्तिमान स्थापित किया. इस दौरान औसत कास्टिंग स्पीड 54.5 मिनट प्रति हीट थी जबकि पूर्व में सामान्यतः औसत कास्टिंग स्पीड 57 मिनट प्रति हीट होती थी.

एसएमएस-2 एवं सीसीएस की टीम ने इस उपलब्धि को कास्टिंग स्पीड बढ़ाकर तथा सुपर हीट कंट्रोल करते हुए निरंतर नवोधियों के माध्यम से टंडश लाइफ में सुधार कर इस सफलता को प्राप्त किया है.

End-Forged Thick Web Asymmetric Rails rolled out by BSP flagged off

In line with the Govt of India’s ‘Atmanirbhar Bharat’ initiative, the Rail & Structural Mill of SAIL-Bhilai Steel Plant has been rolling out thick web asymmetric (TWA) rails for the Indian Railways. These special grade of rails are utilised in cross-over points along railway tracks, this grade of rails has so far been imported. Globally too, only a few of top steel producers produce it.

As many as 429 pairs of end-forged thick web asymmetric (TWA) rails weighing about 815 Tonnes loaded onto a rake with 14 wagons was flagged off from Rail & Structural Mill. This is the biggest lot of TWA rails despatched directly by BSP to Indian Railways.
The industrious and enterprising employees of Structural and Fabrication Shops of Rourkela Steel Plant successfully developed the charging side Skid Elements for Plate Mill Reheating Furnace thereby bringing about a substantial savings for the company. Twenty skid elements of varying length totalling to about 125 meters are installed in the charging end of the reheating furnace of the Plate Mill. Though they have been procured several times from outside, because of the high value of these equipment, structural shop collective decided to develop the system utilising in-house resources.

The scope of developing procedure was frozen in consultation with Shri S.C. Sabat-GM, Shops (S&F). A set of fixtures were designed and developed to facilitate accurate assembly as well as to minimize the distortion of the long skid pipes during welding. The materials for different components like, pipes, middle bars, buttons, rider bars, pipe bends etc of the job were selected carefully considering the intrinsic working environment of the job. The welding electrodes and consumables were selected accordingly to meet the requirements.

The process and sequence of operations of individual parts at various work stations was planned properly to get control over some of the parameters like dimensional accuracy, distortion and deformation due to welding, shrinkage allowance of the pipes, quality of welding joints etc. The machining of the pipes for edge preparation was done in Repair Shop (Mechanical) that ensured the sound welding joints. Purchasing the equipments would have led to a cash outflow of about ₹75 lakhs.

Enterprising endeavours of Structural and Fabrication Shops of RSP bring about substantial savings
**LED Vehicle Advertising for SAIL SeQR TMT in Eastern Region**

There is a constant endeavor to increase visibility of SAIL SeQR TMT Bars in order to help build and popularize the SAIL brand. There was a need to have a novel way of advertising and also to capitalize on the excitement generated by the festive season of Durga Puja when people are out and about on the streets in large numbers. Advertising through LED vehicle in Eastern Region, Kolkata was thought of as it is a new and popular concept wherein the vehicle is branded with the product to be advertised and also show audio visual clips of advertisement while moving around the city. The vehicle is GPS activated and environment friendly. It can park for short intervals at important strategic locations like malls, market places, parks etc. where people can watch the audio visual and notice the branding. Branding and advertising on LED vehicle for SAIL SeQR TMT was done by ER, Retail for a period of 30 days in and around the city of Kolkata. The visibility achieved through this medium was very good and was appreciated by all.

**Forging of LHB Axles in the new DSP-ASP-VISL-DSP route**

Forging of LHB Axles in the new (DSP-ASP-VISL-DSP) route has commenced from 25 September, 2021 at VISL. 790mm R16 grade ingots (5.85 T) made at ASP using DSP hot metal are being sent to VISL as input for forgings. In addition to the 790 ingots, ASP has also supplied 270 dia forged rounds to VISL to supplement the feed material required for axle making.
SAIL Gaurav Diwas 2022

SAIL Foundation Day was celebrated on 24 January 2022 as ‘SAIL Gaurav Diwas’ and to mark the occasion, a virtual commemorative programme was held integrating all plants and units. The programme provided a platform to SAIL employees, their families and ex-employees to showcase their talent.

The virtual programme started with the address of the Chairman, Directors and CVO followed by each plant/unit showcasing talents through performances by their employees/their families/ex-employees located in that region. The live programme was watched by a large number of viewers on SAIL’s various social media platforms.
Scan QR code to watch the SAIL Gaurav Diwas 2022 programme on SAIL's YouTube channel
73rd Republic Day Celebrations at SAIL
SAIL Chairman says Company ready to move to next realm of expansion at Company’s 49th AGM

SAIL held its 49th Annual General Meeting on 28 September, 2021 through a virtual platform. Attending the meeting from the Company’s headquarters situated at Lodi Road, New Delhi, Smt. Soma Mondal, Chairman, SAIL addressed the shareholders on this occasion.

The Chairman underlined some of the important events / highlights of SAIL for the Company’s shareholders. Describing FY’21 as the year of ‘Growth and Scaling newer heights’ for SAIL, she said SAIL posted its highest ever EBITDA of ₹13,740 Crore which was higher by 23% over CPLY.

The factors which helped improve profitability included higher sales of secondary products, sale of iron ore fines, lower usage of other raw materials, improvement in techno-economic parameters, benefit in stores and spares expenses, decreased purchased power rates, reduction in interest charges, higher dividend income and forex exchange gain among others.

The Profit Before Tax (PBT) of the company stood highest in the last ten years. The company’s borrowings came down to ₹35,350 Crore with a reduction of more than ₹16,000 Crore consequently improving the debt-equity ratio to 0.87 on 31.03.2021 vis-à-vis 1.36 as on 31.03.2020.

Citing the various challenges faced by the Company due to the ongoing COVID19 Pandemic, the shareholders were informed about the measures taken by the Company to counter the impact of this pandemic. Taking pro-active actions, the Company reworked its plans and strategies to sustain all round activities. Outlining some of those, she said, SAIL made optimal utilization of the operational facilities instead of operating greater number of facilities at sub-optimal level. Along with reduction in cost by reducing consumption level for various inputs, the capital repairs were also pre-poned wherever feasible. In these
trying times, the company maximized sales volumes through potential channels like exports, dispatch to Railways while it reduced cash outflows by reviewing commitments and renegotiating contracts among others.

She added that not only did the Company focussed on continuing its operations with minimum disruptions, but also ensured this was achieved without compromising the safety of employees and population in the nearby areas. In fact, the Company was a front-runner in partnering the Nation in its fight against Covid-19 Pandemic. She informed the shareholders about the scaled response activated by SAIL for management of Covid-19 outbreak across all locations of its presence. In the address, the various initiatives undertaken by SAIL were highlighted:

Development of Medical infrastructure for handling CoVID-19 pandemic as well as augmenting these facilities during the second wave. SAIL hospitals at 5 integrated steel plant locations initially earmarked 10% or 330 beds out of the total beds for CoVID-19 patients which was subsequently augmented to 1000 dedicated CoVID-19 beds with oxygen support. Setting up covid care units with facilities of gaseous oxygen direct supplied from the plants at various plant locations. Developing CoVID-19 testing facilities like RAT, RTPCR, TRU-NAT at SAIL hospitals in coordination with respective State Governments

Other initiatives to handle the surge of Covid-19 infection included supply of more than 1 Lakh Metric Tonnes of Liquid Medical Oxygen (LMO) till date to the different states.

Talking on the growth plans of the Company, Smt. Mondal told the shareholders that with the improved leverage position, the company is ready to move into the next phase of expansion.

It may be mentioned here that since inception SAIL has been contributing to nation building by supplying steel ranging from big projects of national significance and strategic importance to smallest of the retail consumers. During FY’21, SAIL effected supplies to projects like Katra to Banihal Tunnel project, BRTF Leh-Ladakh project, Leh Airport, Eastern Dedicated Freight Corridor Corporation, Lower Subansiri Hydel project in Assam, Agartala – Akhura Rail link project in Tripura among others.

The shareholders were informed about the regular initiatives being taken by SAIL to increase its presence in different areas by targeting defined market segments. The company is also expanding the 2-Tier and 1-Tier distribution network across the country to strengthen its retail presence.

Scan QR code or click on https://sail.co.in/sites/default/files/2021-09/SAILAnnualReport2020-21.pdf to download your copy of the SAIL annual report 2020-21
Glimpses of SAIL stall at India International Trade Fair (IITF) 2021
SAIL supplies 48,200 Tonnes of steel for Purvanchal Expressway

SAIL has supplied 48,200 Tonnes of steel for the Purvanchal Expressway which has been recently inaugurated by Hon’ble Prime Minister Shri Narendra Modi. The total quantity of steel supplied by SAIL for this massive project comprises of TMT Bars, Structurals and Plates. The 341 km long Purvanchal Expressway will substantially improve the road connectivity and will join several districts of Uttar Pradesh.

SAIL has always catered to the country’s domestic steel requirement and played a crucial role in the growth and development of the country. In the past, SAIL steel has been extensively used in the construction of various infrastructure projects including Eastern and Western Peripheral Expressways, Atal Tunnel, Bogibeel and Dhola Sadiya bridges etc along with several other notable projects of national importance. SAIL is continuously enhancing its production with steady increase in the percentage of value-added products in its product basket.

Health checkup camp at VISL

A Health Checkup Camp was organized at VISL jointly by Taluk Health Department, Bhadravathi & VISL under the banner of ‘Azadi Ka Amrit Mahotsav’, (AKAM) in which employees & contract labour were checked for diabetes, blood pressure & mouth cancer. The camp was coordinated by VISL HRD & PR departments.
Vaccination Drive at SAIL-VISL

A “Vaccination Drive” was arranged in SAIL-VISL covering VISL employees and contract labour, retired employees and family members. Vaccines were administered both within the factory premises & outdoors at VISL Stadium. Due to this proactive initiative, most of the employees, contractors, retired employees & their family members have been administered double dose of Covid vaccine.

Safety Training in Western Region

There has been an increased focus across SAIL on the culture of ‘Safe Practices’ at our workplace and this drive is being led by Chairman SAIL. Central Marketing Organization (CMO) has also embarked upon its initiatives at ensuring safe work environment for all employees and contract labour. Since the lifting of heavy loads, and working in between moving vehicles happens at warehouses, the largest focus of this drive is in the Departmental and CA warehouses of CMO. The Marketing Services Headquarters has drawn out specific SOPs for safety at warehouses, and these have been shared with all those working at warehouses and a review is done every month. A safety pledge is taken at all warehouses by the contract labour in the morning and the opportunity is used to have a short dialogue on safe practices to start the day. In the western region, the training was conducted by Shri A.T. Rodrigues of the National Safety Council on 22 November, 2021 at the Kalamboli warehouse in Mumbai whilst employees from Ahmedabad, Bhilai, Bhopal, Jaipur, Kota, Nagpur and employees and operators from Kalamboli attended the programme.
Safety Training imparted to Contract Labour at Bhilai Warehouse

Bhilai Warehouse team along with Senior Assistants from the warehouse were imparted safety training on 22 November, 2021 at Kalamboli Warehouse wherein executives, staff and supervisors of the Handling Contractor at Kalamboli were imparted very valuable training.
Azadi ka Amrit Mahotsav celebrations began in Rourkela Steel Plant with a massive plantation drive on 12 August, 2021. Mr. Amarendra Prakash, Director In Charge BSL with Additional charge of RSP led the drive by planting a ‘Bakul’ sapling at Rourkela House. Employees of RSP including other senior officers were also present during the occasion. Simultaneous plantation activity was also carried out adjacent to the Sector – 20 ground by different groups like senior citizens, various local yoga groups, Covid warriors, members of Rotary Club CISF personnel and employees of Town engineering, Town Services and CSR. Around 325 flowering shrubs like Kanchan, Kumkum, Patuli, Cassealata and Bakul were planted in different batches to mark the occasion. The plantation activity will continue during the Azadi ka Amrit Mahotsav celebrations.

Under the AKAM celebrations employees along with their families enthusiastically participated in the nation-wide ’Lets sing the National Anthem,' event. This was in response to the announcement made by Hon’ble Prime Minister of India, for singing Rashtragaan as part of commemoration of ‘Azadi ka Amrit Mahotsav’. More than 2200 entries were registered by RSP from its different stakeholders. Kiosks were put up and key persons were assigned to spread awareness, popularize the event and ensure wider participation.

Engineers Day Celebrated with Tech Quest Quiz

In order to celebrate ‘Azadi ka Amrit Mahotsav’ and to commemorate the 162th birthday of Dr. M Visvesvaraiya, a unique quiz named ‘Tech_Quest 1.0’ was organized on 15 September, 2021 at HRDC by the Human Resources Development Department of SAIL-Bhilai Steel Plant. This Audio–Visual Quiz, dedicated to Technology & Engineering, had 30 two-member teams participating in the written qualifying round, out of which six teams reached the finale. The top 3 prize winning teams are Vikash Piprani- Sr. Manager (SP-3) & Ashish Agrawal- Sr. Manager (T&D), Aiman Ali-Manager (EMD) and Umesh Sahu- Sr. Manager (Projects) and Amit Mathur- AGM (CED) & Sandeep Sahoo- AGM (Convertor Shop).
HR initiative “Spandan - Sustaining the Journey of Excellence” re-launched at RSP

‘Spandan - Sustaining the Journey of Excellence’, the communication intervention of Rourkela Steel Plant which was discontinued during July 2020 owing to the Covid-19 pandemic has been re-launched on 22 September, 2021. This one-day programme organised by HRD Centre aims at preparing team RSP to brainstorm and suggest innovative ideas for improving the performance of the Plant in every aspect and face the challenges during the changing times and business scenario.

Mr. SR Suryawanshi- ED (Works) chaired the session that was attended by about 100 executives and employees of the Plant.

Elaborating on the organisational needs, he said, “For the sustainability of an organisation we need growth which comes from right decision making. Decisions are in turn based on knowledge, experience and expertise.” The session also focused on cost optimisation, cost reduction and improving the financials of the company, which will go a long way in reassuring various key stakeholders. In the different sessions of the programme, the participants were sensitized about company’s strengths and opportunities, change management, creativity and innovation, bringing passion into action and managing self to manage others.
दुर्गापुर स्टील प्लांट में राजभाषा पखवाड़ा समारोह

हर साल की तरह दुर्गापुर स्टील प्लांट में 14 से 28 सितंबर, 2021 तक राजभाषा पखवाड़ा-2021 समारोह मनाया गया। यह कार्यक्रम "आजादी का अमृत महोत्सव" उत्सव के हिस्से के रूप में आयोजित किया गया था। पखवाड़े की शुरुआत हिंदी दिवस सह राजभाषा पखवाड़े के उद्घाटन सत्र से हुई।

इसके साथ ही कार्यक्रम के लिए 16 सितंबर 2021 को हिंदी चित्र अभिव्यक्ति प्रतियोगिता, 20 सितंबर 2021 को सामान्य ज्ञान प्रशोधनी प्रतियोगिता, 22 सितंबर 2021 को सुलेख प्रतियोगिता, 23 सितंबर 2021 को हिंदी निबंध लेखन प्रतियोगिता और 24 सितंबर, 2021 का आयोजन किया गया।

RSP supplies Pipes to Oil and Natural Gas Sector

Rourkela Steel Plant has recently supplied around 3000 tonnes of API grade Pipes both electrical resistant and spiral welded, to Indian Oil Corporation Limited (IOCL) and Bharat Petroleum Corporation Limited, both Public Sector Undertakings under the Ministry of Oil and Natural Gas, Government of India. The Steel Plant supplied pipes with total length of 20 kilometers to different locations of IOCL across the country such as Vijaywada, Vishakapatnam, New Delhi, Howrah, Kota, Durgapur and Chittorgarh through warehouse transport. Similarly pipes with total length of 20 kilometers were dispatched to Kanpur, Bokaro and other sites of BPCL by means of RSP transport. The pipes were of in the category of 200 to 600 NB. This is the first time that RSP has been directly dealing with the sale of the products by participating in tender. Accordingly it is producing pipes as per customer’s specification, getting it inspected and accepted as per norms and finally arranging third party inspection for the authentication and validation of the product.
A number of Technical Papers Submitted by SSO executives at various forums


- Contribution of Technical Paper in International Conference (APOSCHO-35): A technical paper titled 'Top Down Thrust by the Leadership - a Key Enabler in Effective Safety Management', was contributed by Shri Suresh Kumar-GM (Safety), SSO in the APOSCHO-35 (35th Conference and Annual General Meeting of Asia Pacific Occupational Safety & Health Organization), held in Japan during 27-28 October, 2021.

Webinars conducted by SSO for Plants/Units of SAIL

- Fire Safety Management in Steel Industry by Dr. AR Sontake - Dy.CFO (Fire Services Department), Bhilai Steel Plant.

- Testing, Examination and certification of Lifting machine, tools & tackles and Pressure Vessels conducted by Dr. BN Jha - Director(Safety), & I/c Industrial Safety, CLI, Ministry of Labour and Employment, Govt. of India, Mumbai.

- Safety Audit conducted by Dr. BN Jha -Director(Safety), & I/c Industrial Safety, CLI, Ministry of Labour and Employment, Govt. of India, Mumbai.

- Safety in Manual and Mechanical Material Handling conducted by Dr. RN Meena - Director, C L I, Ministry of Labour and Employment, Govt. of India, Mumbai.
Safety Awareness program for DSOs

Two days Safety Awareness program for DSOs was organized by SSO recently at MTI, Ranchi. The program covered topics like Overview of Safety Management in SAIL, Roles & Responsibilities of DSOs, HIRA, Statutory requirement in Safety, Safety during Material Handling, Road & Rail Safety and preparation of Protocols, Electrical Safety, Gas Safety in ISPs, Safety in Cranes and Fire Safety.

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11 अक्टूबर को बोकारो नगर राजभाषा कार्यान्वयन समिति (नराकास) की वर्ष 2021-22 की प्रथम बैठक बीएसएल के निदेशक प्रभारी श्री अमरेन्दु प्रकाश की अध्यक्षता में बोकारो निरास के समालन कक्ष में आयोजित की गई। बैठक में अधिशासी निदेशक (कार्यकर्ता एवं प्रशासन) श्री समीर स्वरूप, भारत सरकार के राजभारा विभाग, उप निदेशक (कार्यान्वयन) प्रभारी अधिकारी (पुरूष क्षेत्र) श्री निम्नलिंग कुमार दूबे सहित बीएसएल के अन्य अधिकारी तथा बोकारो नराकास के प्रतिनिधियों पर प्रकाश डाला। बैठक की शुरुआत अतिशयों द्वारा दीप प्रज्वलन कर की गई।

तत्पश्चात बीएसएल के महाप्रबंधक (संपर्क एवं प्रशासन) श्री एन ए सैफी ने अतिशयों का स्वागत किया। बीएसएल के दरीय प्रबंधक(संपर्क एवं प्रशासन) श्री सचिदानंद कुमार बरियार ने पिछली बैठक में लिए गए निर्णयों के आन्विकल की स्थिति पर प्रकाश डाला।

सदस्य संगठन के प्रतिनिधियों को संबोधित करते हुए निदेशक प्रभारी श्री अमरेन्दु प्रकाश ने सभी को कार्यान्वयन कार्यों में हिंदी का अधिकारिक उपयोग सुनिश्चित करने का आदेश किया। उन्होंने कहा कि बोकारो नराकास में राजभाषा हिंदी के प्रचार-प्रसार को गवत देने के लिए बीएसएल सदस्य संगठनों को सभी सहयोग भी उपलब्ध कराएगा। उप निदेशक(कार्यान्वयन) प्रभारी अधिकारी(पुरुष क्षेत्र) श्री निम्नलिंग कुमार दूबे ने भी बोकारो नराकास में राजभाषा कार्यान्वयन सुनिश्चित करने हेतु आवश्यक दिशा-निर्देश दिए।

बैठक के दौरान उपस्थित सभी सदस्य संगठनों के प्रतिनिधियों ने राजभाषा के प्रचार-प्रसार को गवत प्रदान करने के प्रति अपनी प्रतिष्ठितता व्यक्त की। बीएसएल के दरीय विभाग(संपर्क एवं प्रशासन) श्री शहांक शेखर ने बैठक की रूप से सभी का ग्राह्य दिया और उन्होंने कहा कि बीएसएल के राजभाषा के प्रचार-प्रसार का प्रभाव प्राप्त करने के लिए सहयोग अनिवार्य है।
Safety audits conducted

The following safety audits were conducted by SSO in Plants & Units and audit reports with observations & recommendations was sent to all Plants & Units for taking remedial measures to improve safety standards:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Month conducted</th>
<th>Department</th>
<th>Plant/Unit</th>
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<tbody>
<tr>
<td>1</td>
<td>September</td>
<td>Traffic</td>
<td>DSP</td>
</tr>
<tr>
<td>2</td>
<td>September</td>
<td>Operation Garage</td>
<td>ISP</td>
</tr>
<tr>
<td>3</td>
<td>September</td>
<td>Energy Management</td>
<td>ISP</td>
</tr>
<tr>
<td>4</td>
<td>October</td>
<td>Raw Material Handling Plant</td>
<td>RSP</td>
</tr>
<tr>
<td>5</td>
<td>October</td>
<td>Compliance audit of Barsua Iron Mine, OGOM</td>
<td>RSP</td>
</tr>
<tr>
<td>6</td>
<td>October</td>
<td>Plate Mill</td>
<td>BSP</td>
</tr>
<tr>
<td>7</td>
<td>October</td>
<td>Fire Safety audit</td>
<td>SRU, Bhilai</td>
</tr>
<tr>
<td>8</td>
<td>November</td>
<td>Steel Melting Shop</td>
<td>SSP</td>
</tr>
<tr>
<td>9</td>
<td>November</td>
<td>By Product Plant</td>
<td>BSL</td>
</tr>
<tr>
<td>10</td>
<td>November</td>
<td>Bokaro Warehouse</td>
<td>CMO</td>
</tr>
</tbody>
</table>

LEO workshop on Crane Safety

In view of recent accidents involving EOT cranes, a Learning from Each Other (LEO) workshop on ‘Crane Safety’ was organized by SSO in association with MTI during 30 November–1 December, 2021 which was participated by ISPs of SAIL, TATA Steel, JSW Vijaynagar, JSPL Raigarh, RINL and CET.

Dr. Madan Jha- Ex. Sr. DGM (HEC) was the expert faculty on the occasion. The workshop was attended by 20 participants.

SAIL Award scheme for near miss reporting launched

The Award Scheme proposed by SAIL Safety Organisation titled “Sarvocha Suraksha Puraskar-SAIL Award Scheme for promoting Safety Culture at Workplace” through Reporting, Recording & Analysis of Near Miss cases has been implemented after approval of competent authority.
Steel Authority of India Limited (SAIL) declared the financial results of the company for the second quarter (July – Sep’21) and H1 (Apr – Sep’21) of this financial year (FY 2021-22) on 29 October 2021.

Key highlights of SAIL’s performance during Q2 FY’22:
- Crude Steel Production : 4.468 Million Tonnes
- Saleable Steel Sales : 4.280 Million Tonnes
- Best ever Quarterly EBITDA, Profit Before Tax (PBT) and Profit After Tax (PAT).
- Gross borrowings at ₹22,478 Crore as on 30.09.2021 as against ₹35,350 Crore as on 31.03.2021, which is a reduction of ₹12,872 Crore during H1 FY’22
- Company’s board has approved an interim dividend of ₹4 per share for FY’22 to the shareholders.

<table>
<thead>
<tr>
<th></th>
<th>Standalone</th>
<th>Consolidated</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Q1 FY’22</td>
<td>Q2 FY’22</td>
</tr>
<tr>
<td>Revenue from Operations</td>
<td>20642</td>
<td>26827</td>
</tr>
<tr>
<td>EBITDA</td>
<td>6674</td>
<td>7248</td>
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<tr>
<td>PBT</td>
<td>5145</td>
<td>5753</td>
</tr>
<tr>
<td>PAT</td>
<td>3850</td>
<td>4304</td>
</tr>
</tbody>
</table>
Ispat Suraksha Puraskar Given Away to Different Deptts.

Ispat Suraksha Puraskar instituted by Joint Committee on Safety, Health & Environment in the Steel Industry (JCSSI) were given away to different departments of Bhilai Steel Plant on 9 August, 2021.

Bhilai Steel Plant (BSP) has been adjudged winner in several collective schemes of Ispat Suraksha Puraskar in Integrated Steel Plant category. Under Scheme II, Group A for integrated Steel Plant, Ispat Suraksha Puraskar 2020 were given away for no fatal accident during Calendar Year 2018 & 2019 in Coke Ovens & Coal Chemicals Deptt., Continuous casting Shop in Steel Melting Shops, Rolling Mills, Projects & Mines zones. Ispat Suraksha Puraskar 2021 were given away for no fatal accident during Calendar Year 2018 & 2019 in Coke Ovens & Coal Chemicals Dept, Rolling Mills & Projects zones.

BSP bags Greentech Safety Culture Award 2021

Bhilai Steel Plant (BSP) bagged the Greentech Effective Safety Culture Award 2021 in the Metal and Mining category in Heavy Industries. This award was given away in Jammu and Kashmir’s Sonmarg recently.

This award is given to those institutions who take preventive measures against dangerous incidents and are committed to follow an effective Safety culture. The objective of this award is to felicitate those organisations who are continuously taking measures to improve Safety culture. The Greentech Safety Culture Award 2021 was awarded on the basis of Safe practices at BSP for the Calendar year 2020. The entries for the award are judged by national level experts and professionals.
RSP felicitated for exemplary tax compliance and GST deposit

In a function organised at the Commissionerate office of CGST and Central Excise, Rourkela, Shri Vijay Rishi-IRS and Commissioner felicitated Rourkela Steel Plant for being the highest GST payer under the Commissionerate and also for exemplary tax compliance for three consecutive financial years, viz. from 2018 to 2021. During the program, Shri Rishi also praised the Finance Department of RSP led by Shri Praveen Nigam, then CGM In-charge (F&A) for filing of taxes within statutory time period, and said that this is an example for others to emulate. RSP has deposited GST of ₹4,684 crore in the period of 2018 - 2021. At the time of introduction and implementation of GST, the Finance Department collective of RSP made extra efforts to learn and understand the intricacies of the taxation structure and adhered to its guidelines. Shri G.S. Das-GM, Shri Prashant Puhan-

GM, Shri D. Parida-GM, Shri N.K. Sahu-DGM and Shri Biswajit Pal-Deputy Manager from Finance Department of RSP received certificates of appreciation. Members of Rourkela Chamber of Commerce, Chartered Accountant Association, Tax Bar Association and other important stakeholders were present on the occasion.

RSP executive bags Prakriti Bandhu Award

Dr. Avijit Biswas-DGM (Horticulture) & In-charge, Zoo Development Programme of Rourkela Steel Plant has bagged the prestigious ‘Prakriti Bandhu’ Award given by the Forest & Environment Department of Government of Odisha. The award comprises of ₹10,000 cash award and a citation from the Additional Chief Secretary, Forest and Environment Department and Collector, Sundargarh. Dr Biswas received the award from Mr. Pradeep Kumar Sethi, DFO, Rourkela in a function organised on 19 August, 2021 at the office of the DFO, Rourkela. The award has been conferred as recognition for Dr. Biswas’s noteworthy contributions in the field of conservation.
Seven Zones of Rourkela Steel Plant won the prestigious Ispat Suraksha Puraskar 2020 and 2021 for no fatal accident in their respective areas for the calendar year 2018 and 2019 by the Joint Committee on Safety, Health and Environment in the Steel Industry. In a function organised at the ED (Works) Office on 14 August, 2021. ED (Works)-RSP handed over the Ispat Suraksha Puraskar 2020 to Coal, Coke and Chemical zone, Steel Melting Shops - Continuous Casting Shops and Rolling Mills Zone for the year 2018 and 2019. In the same function he also handed over the Ispat Suraksha Puraskar 2021 to four zones namely Coal, Coke and Chemical, Blast Furnace, Slag Granulation Plant, Sinter Plants and Raw Materials Department, Steel Melting Shops, Continuous Casting Shops and Rolling Mills, for the calendar year 2019 and 2020.

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SAIL-BSP has lived up to its standards of is creative endeavours even during the COVID crisis—with QC teams winning a number of awards at ‘Gunvatta 2021’. Gunvatta 2021 is a Plant level competition organised to promote Quality Circle teams which is organised by Business Excellence department of SAIL-Bhilai Steel Plant every year.

63 teams from Works and Non-Works prepared a case study related to creative jobs done by them. An expert panel of Judges evaluated the case study. Physical presentations were not held due to the COVID 19 pandemic. Results of the competition were declared on the basis of Case studies and presentations submitted by the teams.

SAIL-BSP’s teams took part in all categories of the competition, i.e. Quality Circle, 5S system and lean Quality Circle. This was further divided into Manufacturing stream, Manufacturing support stream and Pure Services stream. 13 teams in Manufacturing stream, 17 teams in Manufacturing support and 3 teams from Pure Services competed in Quality Circles. 12 teams took part in 5S systems while 18 teams took part in Lean Quality Circles.

SAIL-BSP’s excellence at creativity and innovation was reflected by teams winning the following awards in different categories:

- Pure Services stream: First prize: Sampark Samvad (PR department), Second prize: Sajag (Vigilance department), Third prize: Rajbhasha (L & A deptt.).
- Lean Quality circle stream: First prize: Navoday(SMS 3), Second prize: Guruthwakarshan (RCL), Third prize: Mahamaya (BF-8).
- 5S stream: First prize: Jagriti(SS Shop), Second prize: Creative (Merchant Mill), Third prize: Nirmal(Foundry & Pattern shop).

Guided by Business Excellence Deptt., SAIL-BSP’s teams took part in all the categories. The team comprising of Shri Manoj Dubey-HoD and GM(BE), Shri Prakash Kumar Sahu-AGM(BE), Shri Ravi Kumar-DM(BE) and Shri Sunil Kumar Deshmukh played a pivotal role in guiding and assisting the QC teams.
SAIL employees win the highest number of PM’s Shram Awards

The Prime Minister’s Shram Awards recognizes the outstanding contributions made by workmen for their distinguished record of performance, devotion to duty of the highest order, specific contribution in the field of productivity, proven innovative abilities, presence of mind and exceptional courage, among others.

31 employees of Steel Authority of India Limited (SAIL) have won the Prime Minister’s Shram Awards for the Performance Year 2018 for their exemplary workmanship, innovativeness and dedication to the duty. Out of the total 69 awardees, 31 awardees are from SAIL. This is the highest number of PM’s Shram awards won by the employees of any organization during the year. Six employees of SAIL have won Shram Bhushan, six employees have won Shram Vir/Veerangana and nineteen employees have bagged the Shram Shree/Devi awards.

Congratulating the winners, Smt. Soma Mondal, Chairman, SAIL said, “SAIL employees have always made their mark with their skill, ingenuity and dedication. Shram Awards being one of the most respectable awards conferred upon workmen by the Government of India, our employees have once again made all of us proud with their achievements. A company is as good as its workforce and the winners have brought recognition not only for themselves but also for this great company. Winning such awards shall enthuse the collective to contribute even higher”.

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Two iron ore mines of SAIL, Kiriburu Iron Ore Mines and Meghahatuburu Iron Ore Mines, received 5-star rated awards for sustainable mining practices and all round performance in the Iron Ore category at the 5th National Conclave on Mines & Minerals held in New Delhi on 23 November, 2021. The Hon’ble Union Minister of Coal, Mines and Parliamentary Affairs Shri Pralhad Joshi presented the awards to Smt Soma Mondal, Chairman, SAIL in a glittering award ceremony. Chairman, SAIL was accompanied by Shri Kamlesh Rai, Chief General Manager, Kiriburu Iron Ore Mines and Shri RP Selvam, Chief General Manager, Meghahatuburu Iron Ore Mines while receiving the awards.

SAIL’s Kiriburu Iron Ore Mines was awarded for the year 2017-18 and 2018-19 while Meghahatuburu Iron ore Mines was awarded for the year 2018-19 and 2019-20. Both these SAIL mines are under the Jharkhand Group of Mines of SAIL, Bokaro Steel Plant.
Steel Authority of India Limited (SAIL) has been awarded with the prestigious Golden Peacock Environment Management Award for the year 2021 in the Steel Sector by the Institute of Directors. SAIL has been the winner of this award for successive three years. This bears testimony to the efforts made by the Company for sustainable and environmentally responsible steel making.

The Company’s environmental protection measures are focused on adopting various environmental measures including, upgrading of pollution control facilities, water conservation efforts with aim to achieve Zero Liquid Discharge, efficient handling of different solid wastes (viz. process waste, hazardous waste, canteen/township waste), carbon sequestration through afforestation, eco-restoration of mined out area etc. The award was conferred on SAIL in a virtual award presentation ceremony held on 8 December, 2021.

Team of young managers from SAIL, Rourkela Steel Plant felicitated for splendid performance in Global Management Challenge

Shri. Prakash Chandra Sahu and Shri. Bikrant Kumar Patel, both Managers of Finance & Accounts Department and Shri. Biswajit Jena, Manager from Instrumentation Department bagged the third prize in the Global Management Challenge (GMC) International Finals, organised at Nizhny Novgorod, Russia. The team was nominated to take part in the prestigious global event after winning the GMC India-2020 edition held in November, 2020.

23 countries from across the globe participated in the world’s largest strategy and management competition. Portugal bagged the 1st place while China won the 2nd place in the event.
बीएसएल ने बच्चों के बीच वितरित किया हाई प्रोटीन युक्त आहार

बोकारो इम्प्रेस संचालित द्वारा बच्चों के बीच बच्चों के बीच वितरित किया हाई प्रोटीन युक्त आहार का वितरण किया गया।

बीएसएल द्वारा महिला समिति में कार्यरत महिलाओं के बीच हाई प्रोटीन युक्त आहार का वितरण

बोकारो इम्प्रेस संचालित द्वारा मनाए जा रहे भारत की आजादी का अमृत महोत्सव तथा कुशल भारत हेतु सरकार के राष्ट्रीय पोषण अभियान की पुस्तकेज में 8 अक्टूबर को बीएसएल के सी.एस. आर के तहत संचालित बालिका विद्यालय, सेक्टर-9 डी में बच्चों के बीच हाई प्रोटीन युक्त आहार का वितरण किया गया।

बीएसएल द्वारा मनाए जा रहे भारत की आजादी का अमृत महोत्सव तथा कुशल भारत हेतु सरकार के राष्ट्रीय पोषण अभियान की पुस्तकेज में 27 सितंबर को महिला समिति द्वारा संचालित सुरंग केन्द्र में मुख्य महाप्रबंधक (सीईडी) श्री शालिग्राम रणजीत तथा बोकारो महिला समिति के अपाध्यक्ष श्रीमती मोनिका रंगारी ने महिला समिति में कार्यरत महिलाओं के बीच हाई प्रोटीन युक्त आहार का वितरण किया।
BSP's JLN Hospital & RC launches Ayushman Bharat Pradhan Mantri Jan Arogya Yojana

Jawaharlal Nehru Hospital and Research Centre at Bhilai Steel Plant launched the flagship scheme of the Government of India - Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (PM-JAY) on 23 September, 2021. Launched in September 2018 by the Ministry of Health & Family Welfare, Government of India, PM-JAY is the largest health assurance scheme in the world which aims at providing a health cover of Rs. 5 lakhs per family per year for secondary and tertiary care hospitalization. It is a national public health insurance fund of the Government of India that aims to provide free access to health insurance coverage for low income earners in the country.

The programme was launched in three verticals: ENT, Eye and Dental. A beneficiary of the PMJAY who holds an Ayushman Card will be eligible for free indoor treatment of diseases of Eye (Cornea & Cataract), diseases of ENT (Micro surgery of ear, Surgery of sinus and nose, endoscopic sinus surgery, Tracheostomy surgery, Faccio maxillary surgery, Micro laryngial surgery, surgery of thyroid, parotid, submandibular, surgery of tonsil & adenoid, laryngoscopy and oesophagoscopy) and Dental diseases (Extraction of tooth and treatment of fractured jaw by wiring).

Tree Plantation Drive at DSP

दुर्गापुर टीटील टाउनशिप में शॉट्ट रोड-रामकृष्ण एक्सटेंशन के मोड पर वृक्षारोपण अभियान का आयोजन किया गया। वृक्षारोपण अभियान डीएसपी में कई अन्य अतीत और भविष्य में नियोजित वृक्षारोपण पहिँ का सहित भयानक था। यह पहिँ भारत सरकार द्वारा आजादी का अमकृत महोत्सि समारोह के रूप में पुष्टि की गई थी। इस अयोजन पर कांटेदार तारों से जमी-सूरत सो से अजधक पौधे िगाए गए।
Classrooms on both side of the common courtyard are bubbling with bright young minds of students at Bhilai Ispat Vikas Vidyalaya, Khursipar, (BIVV) Bhilai. These students, who hail from BPL families, are provided free education facilities under CSR scheme of SAIL-Bhilai Steel Plant. Parents of students of BIVV, Khursipar have different professions like being a Barber, Auto-driver, Contractor, Electrician etc. With a skeletal education background SAIL-BSP giving is giving wings to their children by enrolling them in BSP’s Bhilai Ispat Vikas Vidyalaya, Khursipar and giving them a chance to pursue education and dream big. Setup in the year 2011 by SAIL-BSP, the students currently has 189 students studying in classes 1 to 8 who are owned and taken care of and given optimal education facilities to support their academics by SAIL-BSP.

Headmaster Shri Tula Ram Suryavanshi and his team of 13 teachers shower love, affection, right values, ambience to study and interesting teaching techniques to guide the children. The school not just promotes education, but co-curricular activities too. Children studying here are adept at Athletics, Volleyball, Football too. The school team was the Runner-up in the Cub Bulbul rally in Bhilai recently. Many students have been trained and groomed by the teachers to excel in Public speaking and competitions like Debate, Elocution etc.

Students who have passed out from BIVV like Sumit Singh are very good orators too. Sumit has won many debate competitions and is good at craft work too. Aniket who completed Class 8 from the school is a National Volleyball champion. G Harita has raised the level of performing Bharatnatyam by dancing and winning accolades at the state level. B Tanushree, Soumya Shubham Behera and Harika have won the Inspire award with a prize of ₹10,000 for Model-making by the State government.

Ms. Rashmi Mishra, an English teacher who opted to teach at BIVV Khursipar stated that “I get immense satisfaction teaching students here. Numerous challenges were faced while conducting online classes for children due to COVID. We held classes
डीएसपी मुख्य अस्पताल पर ग्रिड कनेक्टेड रूफटॉप सोलर प्लांट की स्थापना

दीएसपी मुख्य अस्पताल नए अक्षय ऊजा्ष मंत्रािय (MNRE) द्ारा “उपिब्धि लिंकड प्रोत्साहि योजिा” के  अिदुसार, सरकार और केंद्रीय साि्षजनिक उपक्रमों के  भििों पर वग्ड किेक्ेड रूफ टॉप सोिर पांट (GCRT) की स्ापिा को प्रोत्साहहत करिे के  लिए CAPEX का 25% भारत सरकार द्ारा भदुगताि नकया जाएगा।

इस योजिा के  अिदुसार, सेि को अपिे आजधकाररक भििों के  शीर्ष पर 6,195 नकिोिाट पीक (KWp) रूफटॉप सौर संयंत्रों की स्ापिा क्मता आिंनटत की गई थी। इसमें से डीएसपी को 1000 KWp रूफटॉप सोिर पांट िगािे की क्मता आिंनटत की गई है। इस पररयोजिा को डीएसपी के  विद्दुत प्रबंधि विभाग द्ारा हक्रयासन्वत नकया गया है।

इस पररयोजिा में योगदाि करते हुए, 28 अक्तूबर 2021 को श्री ए वी कमलाकर, सीईओ, आईएसपी के  साथ सीईओ, डीएसपी और एएसपी का अतिरिक्त प्रभाव, द्वारा डीएसपी मुख्य अस्पताल भवन की छत पर 400 केडब्लूपी ग्रिड कनेक्टेड रूफटॉप सोलर प्लांट का उद्ाटि नकया गया।

इसके  साथ, दुर्गापुर टील प्लांट ने अब 1,000 KWp की संयुक्त क्षमता के  ग्रिड कनेक्टेड रूफटॉप सोलर प्लांट स्थापित किए है।

यह GCRT सोलर प्लांट डीएसपी के विजली वितरण नेटवर्क में पहली बार कमीशन किया गया और यह हरित ऊजा्ष और पर्यावरण के  अनुकूल पहल की दिशा में एक बड़ा कदम है। इससे भारत को सतत विकास और ऊजा्ष सुरक्षा प्राप्त करने में मदद मिलेगी विजली लागत बचत के  अलावा, ये और संयंत्र लगभग 1,000 टन जीवाश कील्न बचाने में मदद करेंगे और सालाना 800 टन कार्बन उत्सर्जन को कम करेंगे।

during evening hours so that students could access their parents' mobiles after they came back home from work", she said.

“Currently, 50% of the students are attending classes offline since August 2021 following Odd-Even scheme” says Head Master Shri TR Suryavanshi.

Ms. Kalyani M, a teacher feels that the children are very cooperative and receptive to learning. I engage children such that they enjoy all their classes at school, she says.

Soumya Shubham Behera, a student of Class 8 is keen on discovering new things on MARS when she grows up to be a Scientist. Her younger sister too is a student of BIVV, studying in Class 3. A Rahul from Class 8 dreams of building homes in the future after pursuing Civil Engineering.

Bhilai Ispat Vikas Vidyalaya, Khursipar is spreading hope, offering a medium to channelize the energies of young students in the right direction and creating a sustainable future for them in a situation where parents could not have afforded quality education for their children. The school is providing academic support, instilling confidence in children and giving them a chance to dream big too.
Pledging of Eyes by VISL Collective

VISL Collective comprising of Employees, Contract Labour, Retired Employees & family members have pledged to donate their eyes.

The programme was attended by ED- VISL, ophthalmologists and experts form Shankar Eye Hospital, representatives of VISL Workers Association, VISL Contract Workers Union, VISL Officers Association, VISL Retired Employees etc. wherein people present were informed about the role of Shankar Eye Hospital in collecting, storing and utilizing eyes donated for helping sightless individuals. The role of VISL Collective was appreciated in motivating the personnel to come forward to pledge their eyes & hoped this would further motivate other members of society to not only pledge their eyes but also to donate their eyes.
18 new cadets selected for SAIL Hockey Academy at RSP

Eighteen cadets successfully made through the selection trial which was held at Biju Patnaik Hockey Stadium from 22 to 25 September, 2021 for enrolment in the SAIL Hockey Academy (SHA), of Rourkela Steel Plant (RSP). A total of 168 youngsters in the age group of 14 - 16 years appeared in the preliminary round of this selection trial. 138 candidates were selected for the first stage trial round. In this round the players were tested through 22 matches played among themselves and with the cadets of SHA and 70 were screened for the second stage trial round. In this stage they underwent battery test and skill test. 45 of them made it to the merit list. 27 candidates were selected and finally 18 of them successfully completed medical fitness test and were selected to join SHA. Further, 3 cadets have been retained in the academy to continue training keeping in view their excellent performance. With this the strength of the academy has increased to 32. The selected cadets will now be under the ambit of SHA. Here they would be provided free boarding facilities, monthly stipend, balanced diet, furnished accommodation, education and gymnasium facility. Free sports kits, free medical treatment at RSP hospital, assistance for education in local school/college, insurance coverage for the training period and bus/train fare for visiting parents/guardians once a year are some of the other facilities added for the benefit of the cadets. Besides, the cadets will also get an opportunity to play many important national level tournaments that will provide them the much needed exposure.

The SAIL Hockey Academy team of RSP has carved a niche for itself not only in the national but also international hockey firmament by producing players of International repute like Birendra Lakra (Olympian), Jerom Lakra, Sushil Xalxo, Anand Lakra, Pankaj Rajak, Deepak Kullu, Aijub Ekka, Ranjan Lakra, and John Jual Topno.

Arjun Awardee Rajendra Prasad Gets Empanelled By BFI For Selection of National Team

Olympian Boxer & Arjuna Awardee Shri Rajendra Prasad has been selected by Boxing Federation of India to officiate as Member of Selection Committee for selection of elite men boxers for the National Boxing Coaching Camp. Shri Rajendra Prasad, DGM SAIL - Bhilai Steel Plant’s Sports, Cultural & Civic Amenities Department.
Two Boxers from BSP Selected for National Championship

Two young boxers from SAIL’s Bhilai Steel Plant have been selected for Steel Plant Sports Board Team for participation in the 5th Elite Senior National Boxing Championship to be held in Bellari, Karnataka from 15-21 September, 2021.

The two boxers representing Bhilai Steel Plant are Shouryajit Senapati in 51 kg category and A. Samir in 57 kg category.

Bokaro gets an Indoor Badminton Hall

In a bid to give a fillip to sporting activities in the city, SAIL- Bokaro Steel Plant has come forward in a big way by setting up of a modern and well equipped Indoor Badminton Hall at the Sports Complex, Sector 4 in Bokaro.

The glittering Indoor Badminton Hall with two Synthetic Turfed Courts, was inaugurated by the Director In-charge, SAIL- Bokaro Steel Plant on 8 August, 2021 in the presence of senior officials of the plant. The inauguration function was also attended by sportsmen & witnessed by enthusiastic sports lovers of Bokaro.

This one of its kind Indoor Badminton Hall of international standards in Jharkhand has left the entire sports fraternity of Bokaro elated. This facility will facilitate and empower future champions from Bokaro to hone their skills in badminton and bring laurels for the country at international levels.

This second Indoor Badminton Court is in addition to one Indoor Badminton court already present in the sports complex. With this, Sports Complex at Bokaro now boasts of 3 synthetic Indoor Badminton Courts.
SPORTS SNIPPETS

Steel Plants Sports Board (SPSB) organized an inter steel plant badminton competition at Bokaro Steel Plant from 10 – 12 December, 2021. Tata Steel and Rashtriya Ispat Nigam Limited (RINL) were the winners and Rourkela Steel Plant (RSP) emerged as the Runners Up.

Both the finalists were felicitated in a ceremony graced by senior officials from BSL at the brand new state of the art indoor Badminton stadium at Bokaro.

Ms. Raju Ranwa of Bhilai has been selected in the Senior Woman National Coaching Camp at SAI Centre, Bangalore which is being conducted from 27 December, 2021 to 28 January, 2022. Ms. Ranwa has represented SBSB Women’s Hockey team at the Senior Nationals.
After a long lull, sports activities were reinitiated at VISL as part of “Azadi ka Amrit Mahotsav & Founder’s Day Celebrations 2021-22” wherein the following events were organized in which employees participated actively:

For Men employees: Chess, Table Tennis (Doubles), Volley Ball, Tennis Ball Cricket, Ball Badminton (Fives), Long Tennis (Doubles), Shuttle Badminton (Doubles), Foot Ball & Kabbaddi

For Women Employees: Carrom (Doubles), Chess, Shuttle Badminton (Doubles), Ball Badminton (Fives), Throw Ball, Tennicoit (Doubles).
RSP executive co-authors book on Environmental Enrichment

Dr. Satya Narayan Mishra, Curator & Biologist at Indira Gandhi Park Zoo of SAIL, Rourkela Steel Plant, has co-authored a pioneering book on ‘Environmental Enrichment: A prospective of captive field management’. The other distinguished authors of this unique book are Dr. Arun Kumar Mishra, Dr. Rajesh Kumar Mohapatra and Dr. Siba Prasad Parida. Notably, Dr. Arun Kumar Mishra is presently working as Regional Chief Conservator of Forests, Rourkela Circle, Forest Department, Government of Odisha. The book presents general principles and scientific knowledge on environmental enrichment and case studies on enrichment practices in zoo felids. It is a practical yet scientific book that will help to create and evaluate successful enrichment programmes for captive animals considering their natural history.

The book is a helpful reference tool for those who work with or study animals in captivity. Dr. Satyanarayan Mishra is also a wildlife enthusiast and has co-authored three books and has published many research papers. He is a versatile naturalist with a passion for wild life photography.
Corona Warriors of Boria Stores of SAIL– BSP feted

As many as 6000 Oxygen-filled cylinders were supplied by Boria Store complex to JLN Hospital and RC of SAIL’s Bhilai Steel Plant during the peak COVID wave in April–May 2021. The cylinders saved numerous precious lives of COVID and other patients which were supplied by the “Door Delivery” section of Store department. A function was organised to felicitate the Corona warriors from Store department.


Chandrakant Kamde, Uttara Kumar Rawate, Dal Pratap Singh, and Shri Naveen Nayak.
For a strong home

2022

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