



minds AND **mettle**

MSPL NEWS BULLETIN

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MSPL Pellet Plant commences commercial production

In July 2009, the Baldota group laid the foundation stone for MSPL Pellet Plant as part of its strategic forward integration plan. In 18 months the plant with a capacity of 1.2 MTPA was commissioned and commenced commercial production. Built at an investment of nearly 300 crores, the pellet plant is modeled on the Grate-Kiln Technology which enables production of high quality pellets at the lowest possible cost.

The advantage of Grate-Kiln technology is that the pellets are indurated, thus producing spheres of ore with high iron content and uniform quality.



MSPL Pellet Plant commences commercial production

There is also an option of using different types of fuels including non coking coal. This, coupled with an advantage of relatively low specific heat consumption, makes this process one of the most popular for production of pellets.

The pellet plants can produce two varieties of pellets: blast furnace pellets and direct reduction pellets (DR pellets).

The blast furnace pellets are used in coke-based blast furnace process, which is the most common method of producing hot metal (molten iron for steelmaking). These pellets are primarily delivered to steel mills.



DR pellets are used in the direct reduction processes to produce sponge iron, which is an alternative process route, as an initial stage from iron to steel. The DR process is primarily based on the use of natural gas and has become increasingly common wherever there is access to inexpensive natural gas.

Features of the plant

- A sophisticated system of gas recirculation within the individual zones
- Standby equipment are provided to avoid plant shutdown in case of any failures/problems
- High precision control
- High degree of automation
- Redundancies are embedded in the plant design to ensure high availability of the plant

Benefits of the pelletization process

- Standardization - uniform size range, generally within a range of 9-16 mm
- Purity - 63-68 % iron, mainly Fe_2O_3
- Cost-effectiveness - virtually no loss on ignition while a high and uniform porosity of 25-30 % allows fast reduction and high metallization rates
- Strength - high and uniform mechanical strength even under thermal stress in reducing atmospheres
- Transportable - low degradation under abrasive influences

Care has also been taken to incorporate safety features across the plant. Interlocks have been provided in the automation system to avoid equipment failure and facilitate change over to standby equipment.

The pellet plant has created direct employment opportunities to close to 200 people and indirect employment to many more.





Leadership exemplified

Shri N.A. Baldota elected as Chairman of JITO

The new board of directors of JITO, in their first meeting held on December 26, 2010 at Mumbai, unanimously elected Shri Narendrakumar A. Baldota as the Chairman of JITO.

As the new Chairman, Shri Narendrakumar A. Baldota brings with him the rich experience of managing the Baldota Group of companies, which shall help JITO reach out to more people across the nation and expand its reach further across the country.

The Baldota Group's affiliation with Jain International Trade Organisation (JITO) is based on a common belief that ethical practices can only flourish in an open system where there is a seamless exchange of knowledge and best practices.



JITO is a worldwide organisation of Jain businessmen, industrialists, knowledge workers and professionals reflecting the glory of ethical business practices. JITO undertakes programs like JITO education loan program and JITO employment Assistance program. These programs empower the Jain youth to integrate themselves in the emerging economy of the nation.

Upholding the spirit of innovation



The Indian Institute of Mineral Engineers conducts a seminar on Mineral Processing Technology (MPT) every year. This time MSPL LIMITED was the Co-Sponsor for "MPT-2010", which was held at NML, Jamshedpur from December 15 to December 17, 2010. The seminar is jointly organized by National Metallurgical Laboratory and Tata Steel Limited and Indian Institute of Mineral Engineers.

The exhibition was inaugurated by Mr. S. Machendranathan, Additional Secretary and Financial Adviser, Ministry of Steel, Government of India. The main theme was "Recent trends in processing of coal, ferrous and strategic Minerals".

MSPL was well represented at the seminar by Mr. Meda Venkataiah, Executive Director, Mr. Tapas Chattopadhyay, VP (Mines), Mr. Nagesh Shenoy DGM (Mines), Mr. Gopalakrishna, AGM (Plants) and Mr. Kumaraswamy, Sr. Manager (Plants).

Mr. Meda Venkataiah, Executive Director, MSPL Ltd. presented a paper on the work done by MSPL and its CSR activities at the seminar and also chaired the 1st session on 'Beneficiation of iron ore'. Mr. Tapas Chattopadhyay, VP (Mines) chaired the session on 'Waste and Environmental issues'. MSPL also set up a stall at the technical exhibition.

Distributing tools to hone skills



Sometimes, it takes just a tool to hone one's talents. It could be as simple as a sewing machine or a fruit sapling.

MPSL has been empowering rural women with such simple tools since 2007. It has provided over 443 women free tailoring training till date through its vocational training centers across six villages. In addition to this, 403 sewing machines have been distributed free of cost so that these women can put their newly acquired skill to good use and earn a livelihood for their families.

Name of the village	No. of machines provided during the quarter	No. of machines provided till date
Danapura		60
Hanumanahalli		105
Galammagudi	20	60
Basapura		18
Kanavihally		60
Halavarhty	20	60
Jaishingpura	20	40
Total	60	403



We have also distributed 4800 saplings of four varieties of kitchen garden fruit plants to 1200 families in the adopted villages through Women Self Help Group members to help alleviate malnutrition among children.

Towards a healthy and self-reliant India

Mahatma Gandhi had aptly quoted, "India lives in its villages." Therefore at MSPL the focus of our assistance programs is to help villagers with dreams become self-reliant so that they become beacons of hope for their village and in the process inspire other villages to follow suit.

Lakshmi, a resident of Hanumanahalli village and a member of Sreedevi Self Help Group, had long harboured a simple dream of purchasing a cow so that she can provide basic

nourishment to her family. She had some savings, but they were not enough. That is when MSPL helped realize her dream by partially financing her first cow. This cow eventually gave birth to two calves. Now, Lakshmi not only had enough milk for her family, but also sold the extra milk to generate income. She eventually sold one of the calves in order to register the site for a business in milk distribution.

Replacing illiteracy with e-literacy



At MSPL, we understand the importance of computer literacy in the 21st century. We strive to ensure that no bright mind is deprived of a livelihood opportunity just because of computer illiteracy.

Kavitha, a B.A. from Galemmanagudi village, could not pursue higher education due to financial constraints. Worse still, when she set out to find a job, she realized that the prospects of employment for a computer illiterate were bleak. At this point, the free computer training course initiated by MSPL in Hanumanahalli village came to her rescue. This 6 month course introduced Kavitha to the basics of MS Office and Tally. She successfully found employment in a private firm in Hospet and that too as a computer operator.

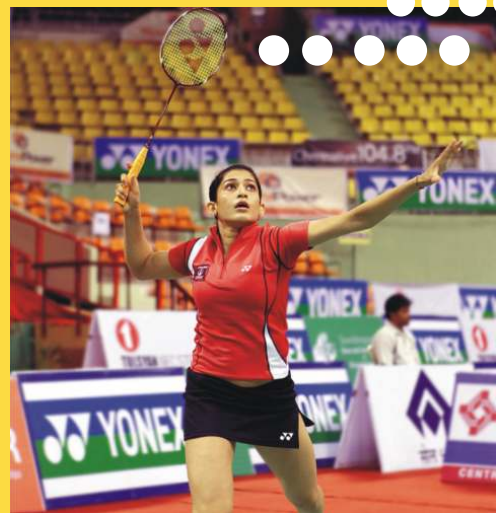
"The computer training provided by MSPL was an unforgettable help for me. That training changed my life. Now I am an empowered woman with confidence and courage."

-Kavitha

Supporting a sporting tradition

India has always had a rich tradition of promoting sports and encouraging sportsmanship. We have always tried to give support and financial assistance to sportspersons across various sports; **Ms. Ashwini Ponnappa** is one such sportsperson.

She won the senior National Badminton Championship held at Guwahati in the Women Double category and won two gold and one silver medal in the South Asian Games held at Dhaka. She won gold and silver medal at the Common Wealth Games held at New Delhi. She was also awarded with the Rajsthava Award for 2010. We wish her all the best for all her future endeavours.



ENVIRONMENT SECTION

Securing a greener tomorrow

MSPL has always endeavoured to 'add value to nature's resources', rather than simply taking away from it. This same ethos has been cascaded to the newly commissioned Pellet Plant.

In an effort to create environmental awareness among the staff, a tree plantation drive was conducted at pellet plant on 10th December 2010. Mr. Mahesh D.J., Manager (Environment) was instrumental in conducting the drive. The first sapling was planted by Mr. V. Krishnamoorthy, DGM (Pellet Plant) and Mr. Madhusudhan, GM (Mines). A total of 900 saplings of Ashoka, Alstonia and Spathodea trees were planted in the south-west corner of the pellet plant. Post plantation, watering efforts & safeguarding methods have ensured a good survival rate of the saplings.

This is just the beginning of our efforts to secure a greener tomorrow for AISL and its surroundings. Additional plantation drives have been planned for the future.



**Around 900 saplings were
planted at MSPL Pellet Plant**

Preserving habitats, protecting wildlife

MSPL has been supporting the activities of Society for Wildlife and Nature (SWaN) for creating awareness among the students, documentation of birds of Bellary and North Karnataka, protection of migratory birds and breeding birds at T.B. Dam, campaign against ritual hunting, monitoring of Great Indian Bustard etc.

This year MSPL continued its support by formation of 20 new nature clubs in Hospet and Koppal talukas to create awareness about wildlife and preserving nature & natural habitats through special programs.

As part of the scheduled activities, SWaN has conducted following activities during October, November and December, 2010.

Wildlife week

The 56th Wildlife week was organized jointly by Daroji Bear Sanctuary and SWaN at Bhuvana Vijaya, Hampi Kannada University, Vidyaranya on October 6, 2010.

More than 200 students from primary and High Schools around Daroji Bear Sanctuary attended the program. Elocution, Drawing and essay writing competitions were held on the occasion.



Securing the habitat of the Great Indian Bustard

Great Indian Bustard, once common on the dry plains of the Indian Subcontinent, is today an endangered species. Today, less than a thousand survive and the species is being threatened by hunting and loss of habitat. There were no official reports of existence of this bird in Karnataka. It has vanished from Ranibennur Black Buck Sanctuary.

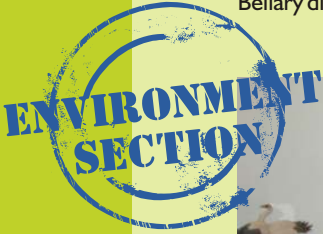
Hence, it is matter of great pride that SWaN had identified an excellent habitat of the Great Indian Bustards in the remote corner of Sirguppa in 2005. With the help of local supporters and wildlife enthusiasts SWaN sighted 10 birds in the black cotton fields of Sirguppa. Then onwards, SWaN volunteers and local trackers have been observing, documenting and conserving the habitat of this highly endangered bird.

Today there is a healthy population of this gigantic bird in this typical habitat and there have been increased sightings of offsprings every year.



Great Indian Bustards recovery workshop at Bombay Natural History Society (BNHS), Mumbai

On invitation by Bombay Natural History Society (BNHS), Mr. Samad Kottur attended the workshop on "Great Indian Bustard- species recovery action plan" at Hornbill House, Mumbai on December 13, 2010. Mr. Kottur represented Karnataka which is the only state where the Great Indian Bustards are seen in private lands. He shared his observations of the Great Indian Bustard in Bellary district and gave his inputs on future strategies for conservation of fast dwindling GIBs.



Teachers' training



After initial interaction with the school authorities, SWaN conducted a training program for Nature club coordinators at TB Dam. 20 teachers attended the program. Mr. Manu from Mysore Amateur Naturalists (MAN) and Mr. Samad Kottur conducted the training. The subjects covered during the training included, 'how to run a Nature club', the activities to be taken up round the year and the important days to be observed among others.

Awareness programs for schools

Awareness programs for the school children were conducted in 12 schools between December 22, 2010 and December 30, 2010. During these programs, the students were introduced to the fundamentals of nature and wildlife, and were explained about the activities of Nature clubs.

Date	Schools in which the awareness program was conducted
22.12.2010	Govt. High School, Ginigera, Koppal taluka
22.12.2010	Govt. High School, Hirebaganal, Koppal taluka
24.12.2010	Govt. High School, Karkihalli, Koppal taluka
24.12.2010	Valmiki High School, Hospet
27.12.2010	Narbada Devi Memorial School, Chitwadgi, Hospet taluka
27.12.2010	SMIORE Vyasapuri High School, Vyasanakere, Hospet taluka
28.12.2010	Indira Priyadarshini High School, Mariyammanahalli
28.12.2010	Govt. PU College, High School section, Mariyammanahalli
29.12.2010	SGSRS composite P.U. College (High School section), Vyasanakere
29.12.2010	Govt. P.U. College (High School Section), T.B. dam
30.12.2010	Deepayan High School, Hospet
30.12.2010	Kasturba Girls Residential School, Kamalapura, Hospet taluka



Weather Station

Month	Avg. Wind Speed (Km/Hr)	Min Temp. (°C)	Max Temp. (°C)	Total Rainfall (mm)
Oct-10	3.13	19	34.5	110
Nov-10	2.44	20	33	261.5
Dec-10	2.37	16	31	0

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MSPL

INDIA'S ONE OF THE LARGEST PRODUCERS OF **WIND POWER**

Energy is the lifeline of modern societies and we at MSPL believe energy independence should be a nation's first and highest priority. We are committed to invest in reliable, affordable and environmentally sustainable energy and have made substantial investments in wind power. Today our wind farms have a power generating capacity of 127.8 MW and the group's total installed capacity is 215.75 MW.



ADDING VALUE TO NATURE'S RESOURCES



BALDOTA

MSPL LIMITED

Baldota Enclave, Abheraj Baldota Road, Hospet-583 203, Karnataka, India.

Tel.: +91- 8394 - 232002, 232003 Fax: +91- 8394 - 232333, 232444

www.mspllimited.com