

# ELEMENTAL

Aluminium & Power Business' Monthly Newsletter

## CEO's MESSAGE



**Ajay Kapur - CEO,**  
CEO - Aluminium & Power and  
Managing Director - Commercial,  
Vedanta Ltd

"Aluminium has a key role to play in rejuvenating India's post-pandemic economic growth. As India's largest producer of aluminium, our products hold immense value for India. They are critical to sectors of national importance, like space exploration, national defense, aviation, infrastructure, automobiles, electrification, manufacturing and many others."

## CONGRATULATIONS!

We congratulate Mr. Ajay Kapur and Mr. Rahul Sharma for their new roles and wish them the best in their endeavors!



**Ajay Kapur**  
CEO - Aluminium & Power and  
Managing Director - Commercial,  
Vedanta Ltd



**Rahul Sharma**  
Deputy Chief Executive  
Officer - Aluminium

## THIS ISSUE:

### HSE & COMMUNITY

Virtual safety walkthrough of  
Jharsuguda and BALCO units

Solar Light Distribution in  
Community

### SPECIAL INITIATIVE

Chhattisgarh Chief Minister  
Inaugurates 101 Nand Ghars

### RECOGNITION

APEX India Green Leaf 'Platinum'  
Award for Sustainability

'Most Innovative Best Practice'  
Digital Transformation Award

### WEBINAR

International Conference on  
Non-Ferrous Minerals and Metals

### MEDIA HIGHLIGHTS

Business Leaders Featured in  
Media



### Virtual safety walkthrough of our Jharsuguda and BALCO units

In a first of its kind event, our leaders were taken on a real-time virtual tour of both units, and respective HSE teams elaborated on safety best practices, precautions at worksites and innovative use of technology to bolster safety performance. Real-time feed of employees at work with site-specific safety protocols were showcased.

### Chhattisgarh Chief Minister inaugurates 101 Nand Ghars at Patan

Shri. Bhupesh Baghel, Hon'ble CM of Chhattisgarh, recently inaugurated 101 Nand Ghars by Vedanta. He expressed his appreciation for the Nand Ghar project, Vedanta Group's flagship CSR initiative in collaboration with Ministry of Women & Child Development (MoWCD), Govt. of India. Through Nand Ghars, Vedanta aims to transform the lives of 8.5 crore children and 2 crore women across 13.7 lakh anganwadis in the country.



### Cancer Sensitization Program at Lanjigarh

Recently, we conducted a cancer awareness campaign for beneficiaries of 50 Nand Ghars across Odisha's Kalahandi & Rayagada districts. Following strict COVID-19 guidelines, cluster coordinators hosted the sessions, imparting knowledge on cancer awareness to women beneficiaries & front-line workers.

### TSPL Supplements Community's Access to Quality Healthcare

TSPL is supporting the Primary Health Centre in Behniwal village of Mansa with medical & para medical staff and laboratory test services, ensuring community's access to affordable healthcare facilities. More than 100 patients from 13 villages have already availed the services. Additionally, TSPL organized health camps in the plant's peripheral villages, providing doorstep healthcare services to over 200 people.



## Agriculture Advancement in Punjab

TSPL provided multi-crop bed planter to farmers under its agriculture-based sustainable livelihood project, 'Navi Disha', its flagship CSR project reaching out to over 1100 farmers from 26 villages of Mansa and Bhatinda districts of Punjab. The multi-crop bed planter will optimize seeds and fertilizer usage by 25-30% while significantly reducing irrigation requirement by 30-35%.



## Tailoring Training Program for Women

To promote sustainable livelihood options among rural women, our Jharsuguda unit launched a 3-month long tailoring training program. The program will give enterprising women an avenue to learn/upgrade their skills and explore self-employment options for becoming financially empowered.

## Solar Lights Distribution in Community

Under Employee Volunteerism Program, employees of Vedanta Lanjigarh distributed solar lights to every household in Dengsargi village, as a part of the recently launched energy conservation project for peripheral villages. The main objective of this project is to promote clean lighting and clean cooking in the villages of Lanjigarh.



## Health & Hygiene Awareness Drive

BALCO recently organized large-scale programs for health and hygiene awareness in rural areas under their community development project 'Arogya'. Safety and sanitization kits were distributed to more than 5000 people in core villages, with a special focus supporting frontline health workers.

## APEX INDIA GREEN LEAF 'PLATINUM' AWARD FOR SUSTAINABILITY



Our Jharsuguda unit has been declared the winner of Platinum Award (Metal & Mining category) for outstanding achievement in sustainability performance with best-in-class global practices and standards by APEX India Foundation. Platinum is the highest category among the awards, which the company bagged after a thorough assessment of its sustainability best practices. 180+ organizations were contenders for the award.

## VEDANTA RANKS AMONG TOP COMPANIES IN DOW JONES SUSTAINABILITY INDEX

We are proud to be ranked 12th among the Top 15 Global Companies in the Metals and Mining sector by Dow Jones Sustainability Index 2020. Abiding by global standards in environmental performance and excellence, we scored a 100% in materiality, environmental reporting, water-related risks and social reporting. Our performance in DJSI is a testament to our unwavering focus on sustainable and responsible business, guided by the philosophy of 'Zero Harm, Zero Waste and Zero Discharge'.



### VEDANTA ALUMINIUM,

India's first and only company to deploy the *Digital Smelter Technology*, bagged the **'Most Innovative Best Practice' award**

at CII's Digital Transformation Summit and Awards 2020.

### MR. GG PAL, COO-METAL (JHARSUGUDA UNIT),

deliberated on recent developments in the field of non-ferrous metallurgy & **business sustainability during the pandemic**, as keynote speaker at the International Conference on Non-Ferrous Minerals & Metals.



## TEAM INNOVATION AT ICSOBA INTERNATIONAL CONFERENCE

Our Innovation Team represented Vedanta Aluminium at the 38th international conference by International Committee for Study of Bauxite, Alumina & Aluminium (ICSOBA). They virtually presented their technical study 'Measurement of Metal Inventory in Pots with Zinc Dilution for assessing the metal inventory' to global experts and industry leaders in aluminium.

Click on the stories to read more



Business World

Metal Market

Post-Covid World: Acid Test Of True Leadership

India had unending screenplays of life incidents, offering rich learnings and experiences for the future. Whether it was the lockdowns or their defiance leading to the migrant labour issue, we had many challenges to deal with.



The Covid-19 pandemic has brought about defining changes in our society and the economy. The challenges it threw up, and the unending saga of how to ensure continuity and solve emerging problems have occupied the minds of most leaders. All, however, agree that this development has once again reinforced the value of continuous learning even at the highest levels - on how to be prepared for the unforeseen and manage it with hands tied. Young leaders who are at the beginning of their management careers would do well by incorporating some of these learnings into the core fabric of their thinking and decision-making.

Mr. Ajay Kapur in conversation with Business World

Review of 2020

India's year reviewed

While Covid-19 makes the future uncertain, Indian industry has already seen some significant recovery as the year 2020 nears its end. Kunal Bose reviews progress

What has 2020 been like for India? A year of unprecedented challenges, a year of unprecedented growth, a year of unprecedented change. The Indian economy has shown resilience and strength in the face of the global pandemic. The government has taken bold steps to support the economy and protect the livelihoods of its citizens. The private sector has also shown remarkable resilience and innovation. The year has been a roller coaster ride, but it has also been a year of significant progress and achievement.



A good harvest bodes well for India's rural economy to boost demand for consumer goods and farm equipment

Mr. Ajay Kapur's take on outlook for metals in India

Powerline Magazine

Aluminium Association of India

POWERLINE

Talwandi Sabo Power Limited

Strong focus on performance and efficiency

October 2020



Talwandi Sabo Power Limited (TSPL), which operates a 1,980 MW thermal power plant based on supercritical technology, is Punjab's largest power supplier and one of the oldest independent power producers (IPPs) in the country. The plant is among the best performing power plants in India today, and operated at an availability level of 91 per cent in 2019-20. In a recent interview with Power Line, Vikas Sharma, chief executive officer (CEO) and whole-time director, TSPL, spoke about the company's performance and future plans, the impact of Covid, and his outlook for the sector. Excerpt...

What were some of the significant highlights for TSPL in the past one year or so?

TSPL's 1,980 MW supercritical thermal power plant (TPP) in Banawali, in Mansa district of Punjab, is one of India's best-in-class TPPs. It supplies 100 per cent of the electricity it generates to Punjab State Power Corporation Limited (PSPCL) and is vital to Punjab's agricultural economy, which depends heavily on electricity. The plant has been performing very well in terms of availability and plant efficiency. Its auxiliary power consumption, heat rate and specific water consumption have improved substantially over the past couple of years. We are the largest power supplier in Punjab, and our plant load factor depends on the requirements of the state.

How has the operational and financial performance of TSPL been in recent years?

TSPL's 2019-20 performance has been extremely encouraging. The plant functioned at an overall level of 91 per cent availability and 100 per cent coal availability. The last fiscal year has seen the plant record its best ever rates of auxiliary power consumption, specific oil consumption and net station heat rate.

What has been the impact of Covid-19 on the company's operations? How is the company being impacted?

Mr. Vikas Sharma's interview with Powerline magazine

BUILDING A SUSTAINABLE FUTURE WITH 'GREEN METAL' ALUMINIUM



MR. AJAY KAPUR, CEO - ALUMINIUM ASSOCIATION OF INDIA

Over the past decade, there has been a paradigm shift in global consciousness as the world population increasingly adopts a cleaner, greener and more sustainable lifestyle. With the ever-growing population demanding constant improvement in the support structure sustaining its lifestyle, the transition future is increasingly being led by a mix of sustainability, efficiency and environmental friendliness. And if there is a metal that remains fit into this paradigmatic plus sustainability equation, it is aluminium, the green metal.

The lifecycle of aluminium is an accepted in sustainability, from bauxite mining, which is sustainable and eco-friendly, to the metal's infinite recyclability. Coupled with the fact that aluminium has superior properties like high strength-to-weight ratio, high corrosion resistance, superior formability, superb ductility and conductivity, aluminium is undoubtedly the 'Metal of the Future' for a more sustainable world.

The 'green metal' of many needs Aluminium is a metal of strategic importance to a country's national security and socio-economic development, with diverse applications spanning core industries such as aerospace, space exploration, national defence, building and construction, transportation, automotive, electrical distribution and packaging, among others. Aluminium is the second most important metal in the world today and it has the potential to become the most important commercial metal in the near future.

Backed by the world's 9th largest reserves of bauxite and coal, India has the second largest aluminium production capacity in the world at 1.1 million tonnes per annum (MTPA). While the country's primary production grew at about 8.4% (FY16-FY20), aluminium consumption grew at a much lower CAGR of 2.7% in the same period. 42% of total demand in the country is met through domestic production whereas it is staggering 37% in imports, of which aluminium oxide is 62% and primary aluminium is 35% (FY16-FY20).

Today, the world per capita consumption of aluminium is 17.8 kg, whereas in India it stands at a mere 2.7 kg. India's aluminium

industry is a potential alternative to traditional materials. Clearly, there is a huge growth opportunity for aluminium in India.

Building a globally competitive aluminium industry

richly endowed with natural resources and technically skilled workforce, India has the potential to create a globally competitive aluminium industry. India has significant primary aluminium production and downstream processing capacities, which provides a good platform for exploring new applications of aluminium as well as catering to domestic demand without any reliance on imports.

This needs to be driven on four fronts. First, promotion of aluminium usage in green projects should be promoted. With the aim to make India a USD 5 trillion economy, the central govt. is rolling out numerous high-impact projects like Make in India, National Capital Good City, Smart Cities, renewable energy capacity enhancement, 100% electrification of railways, building indigenous capability in defence equipment and space exploration, urbanisation, mining and coal sectors, etc., all of which are key boost India's aluminium consumption.

Second, the domestic industry needs to build R&D and innovation capabilities in order to tap into emerging market needs with new products and product variants perfectly tailored to meet customers' requirements.

Third, the promotion of aluminium industry should be acknowledged, and the industry should be recognised as a core sector with a National Aluminium Policy that will encourage, protect and boost the domestic aluminium industry.

Finally, domestic capability needs to be harnessed for critical

Building a sustainable future with 'Green Metal' Aluminium

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