

ZINC



NEWS

हिन्दुस्तान जिंक का मुख पत्र / The House Journal of Hindustan Zinc

OCTOBER 2017



...an **Insight**
with
Ashish Vidyarthi

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COMPANIES 2017 BY FORBES INDIA

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Hindustan Zinc

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Dear Shareholders,

I welcome you all to the 51st Annual General Meeting of your Company. The Annual Report for the year ended March 31, 2017, along with the Directors' Report and Audited Financial Statements of the Company have been shared with you. With your permission, I will take them as read.

To achieve the vision to be the world's most admired Zinc, Lead and Silver company, your Company has taken the path of Innovation, encompassing all verticals of the company. Last year, we laid the foundation for Mine Digitalization and have successfully completed the piloting. We have ordered latest and best-in-class equipment for faster ramp-up of mines

and implemented various technological solutions in safety, HR, commercial, etc. We also started implementation of Transport management system – ITMS 2.0 to revamp the transportation within and outside the company and have faster turnaround.

This year, we will be leveraging latest technologies including mine digitalization at SK mine to excel in Safety and productivity, enabling real time tracking of assets, underground traffic control, audio/video communication, predictive maintenance of equipment etc. We will work with global best companies on various projects like recovery improvement, data analytics, cell house efficiency improvements, excellence in procurement, marketing and people practices.

I am pleased to inform that your Company is advancing significantly towards excellence and sustainability and is the only company in the country with three mines rated as 'Five Star' by Indian Bureau of Mines. Your Company has been awarded Sustainable Plus Platinum rating in the field of Environment, Social and Governance. These premises you are seated-in is a certified Platinum Green Building by CII-IGBC. Your Company has been certified as a Great Place to Work, which is a testimony to efficient and sustainable people practices.

Last year, your Company achieved all time high mined metal & silver production, EBITDA and net income, while successfully limiting our operating costs in a high commodity price scenario through significant efficiency improvements.

Mined metal production was 9,06,984 MT, up 2% from a year ago and the highest ever. The underground mines ramped up significantly during the year to achieve a substantial 44% y-o-y increase in ore production and 32% y-o-y increase in mined metal production. The total refined zinc was 6,71,988 MT, down 11% from a year ago, while total saleable lead production was 1,39,009 MT, lower by 4% compared to FY 2016. The decrease was as per plan on account of low availability of mined metal in first half due to the cyclical pattern of the Rampura Agucha open cast mine. During the year, production of integrated saleable silver increased by 7% to an all-time high of 453 MT on account of higher volume and grades from Sindesar Khurd mine.

Your Company's financial performance continues to remain strong with total revenue (excluding other income) of `18,798 Crore, an increase of 22% compared to FY 2016. 'Other income' was `2,474 Crore during the year, down 10% compared to the previous year.

Your Company achieved profit before depreciation, interest and tax (PBDIT) of `12,213 Crore in FY 2017, up 30%. The Company reported record net profit of `8,316 Crore for the year, marginally higher than previous year. The impact of higher PBDIT was partly offset by higher tax, higher depreciation and lower other income during the year.

The Company remains on track for achieving 1.2 mtpa mined metal capacity by FY 2020. The transition to underground mining is progressing well. The share of underground mined metal production increased from 40% in FY 2016 to 52% in FY 2017. Our ore production from underground mines increased by 44% compared to last year. Further, total mine development reached 66,545 meters during the year, higher by 15% from a year ago.

During the year, Rampura Agucha underground mine produced 1.4 million MT of ore as compared with 0.2 million MT a year ago. South ventilation shaft sinking was completed towards the end of the year, while the main shaft sinking reached its ultimate depth of 955 metres.

Sindesar Khurd mine achieved record ore production of 3.7 million MT of ore in this year against 2.97 million MT in the previous year. The winder foundation work for the shaft was completed while head gear erection is nearing completion. The new mill of 1.5 mtpa capacity was completed in record 14 months and is running smoothly. We plan to reach our targeted capacity of 4.5 million MT this year, ahead of schedule.



Zawar mine achieved record ore production of 1.8 million MT during the year. Environmental clearance of 4 mtpa ore production & beneficiation along with other statutory permissions were received towards the end of the year. Zawar mill expansion and associated power up-gradation project are at advanced stages with completion planned in Q2 of FY 2018.

Fumer project, which has been undertaken to enhance Company's carbon footprint, improve metal recoveries and profitability from the Company's hydro metallurgical plant, is progressing well with scheduled completion by mid FY 2019. The Company successfully commissioned 16 MW of captive solar farms in March 2017. This project has been set up on waste lands and will help the Company partly meet its renewable power obligation.

Our exploration activity has consistently added to our reserve and resource base over the last several years. We have added 26.40 million MT to our R&R this year, prior to a depletion of 11.90 million MT during the period. Total R&R on March 31, 2017 were 404.40 million MT containing 36.09 million MT of zinc-lead metal and approximately 32 kT of silver.

The Company's efforts towards reinforcing a positive safety culture have resulted in reduction of total Lost Time Injuries from 23 last year to 15 this year, while the Lost Time Injury Frequency Rate reduced from 0.50 a year ago to 0.30 this year. However, the Company is deeply anguished to report an unfortunate accident at the project site, where a rare crane collapse caused four fatalities of contractor employees. The accident was fully investigated and corrective action has been taken at all our sites.

Continued efforts to conserve water and reduce carbon foot print have resulted in reduced specific water consumption of 13.78 m³/MT of metal in concentrate for the year FY-17 as compared to 14.56 m³/MT in FY-16. Our energy conservation efforts have reduced our specific consumption by 9% from 23.49 GJ/MT of metal in concentrate in FY-16 to 21.33 GJ/MT in FY-17.

Company's CSR policy focuses on Education, Sustainable Livelihoods, Women's Empowerment, Health, Water & Sanitation, Sports & Culture, Environment, and Community Development. During the year, we spent `49.40 Crore on our CSR programs and contributed `50 Crore to Vedanta Foundation for setting-up Nandghars under our Bal Aanganwadi program. In addition, the Company has also provided `543 Crore as contribution to District Mineral Foundation which will be utilized for the interest and benefit of the persons and areas affected by mining related operations. Some of the Key Initiatives during the year include Partnership with Government of India for its flagship program 'Skill India' with a view to upgrade skills in underground mining operations in the country by setting up Hindustan Zinc Mining Academy; reached out to about 36,000 children in the 3 to 6 years age group and another 63,000 children below 3 years of age through Khushi Anganwadi Program; Shiksha Sambal Project impacted the lives of 6,194 children from classes 9th to 12th in 57 schools across 5 districts; under Unchi Udaan Program, 28 students including 10 girls screened for beginning exclusive 2-year residential program for entry into IITs and other streams of higher education.

On March 22, 2017, the Board of Directors declared a Special Interim dividend of 1375% i.e. `27.50 per share on every share of `2 each. The Company returned `24,157 Crore (Including Dividend Distribution Tax) to Shareholders in the 12 Months ending March 31, 2017, a record in Indian corporate history. In view of the Special dividend paid in March 2017, no final dividend was recommended.

Following changes were made to the Board: Ms. Reena Sinha Puri, Mr. Nikunja Bihari Dhal and Ms. Farida M Naik were appointed as Directors on the Board, while Mr. Akhilesh Joshi, Ms. Sujata Prasad, Mr. Nikunja Bihari Dhal and Mr. Sudhaker Shukla ceased to be directors during the year.

Underground mining is progressing well and we expect the share of mined metal to increase from 52% in FY17 to 80% in FY18. Both, Rampura Agucha and Sindesar Khurd shafts are on track for completion in FY19. The capex on the on-going mine expansion projects, fumer and smelter debottlenecking will be around \$350-360 million in FY 2018. Mined metal production is expected to be higher than FY 2017. Refined zinc-lead metal production will be around 950 kt, which will be evenly spread through the year. Silver production will be over 500 MT. Dollar COP (excluding royalty) is expected to be marginally higher based on current levels of coal & input commodity prices. Treasury income is expected to be lower due to reduction in investment corpus and current softening in rates while tax rate for FY 2018 is expected to be slightly higher than MAT.

Your company is committed to continuously create value for shareholders. I, on behalf of Hindustan Zinc, would like to thank all our Shareholders, Customers, Suppliers, Employees, Governments, Recognised Union and the Communities around our operations for their continued support and trust.

Thank You

Chairman, Hindustan Zinc Limited

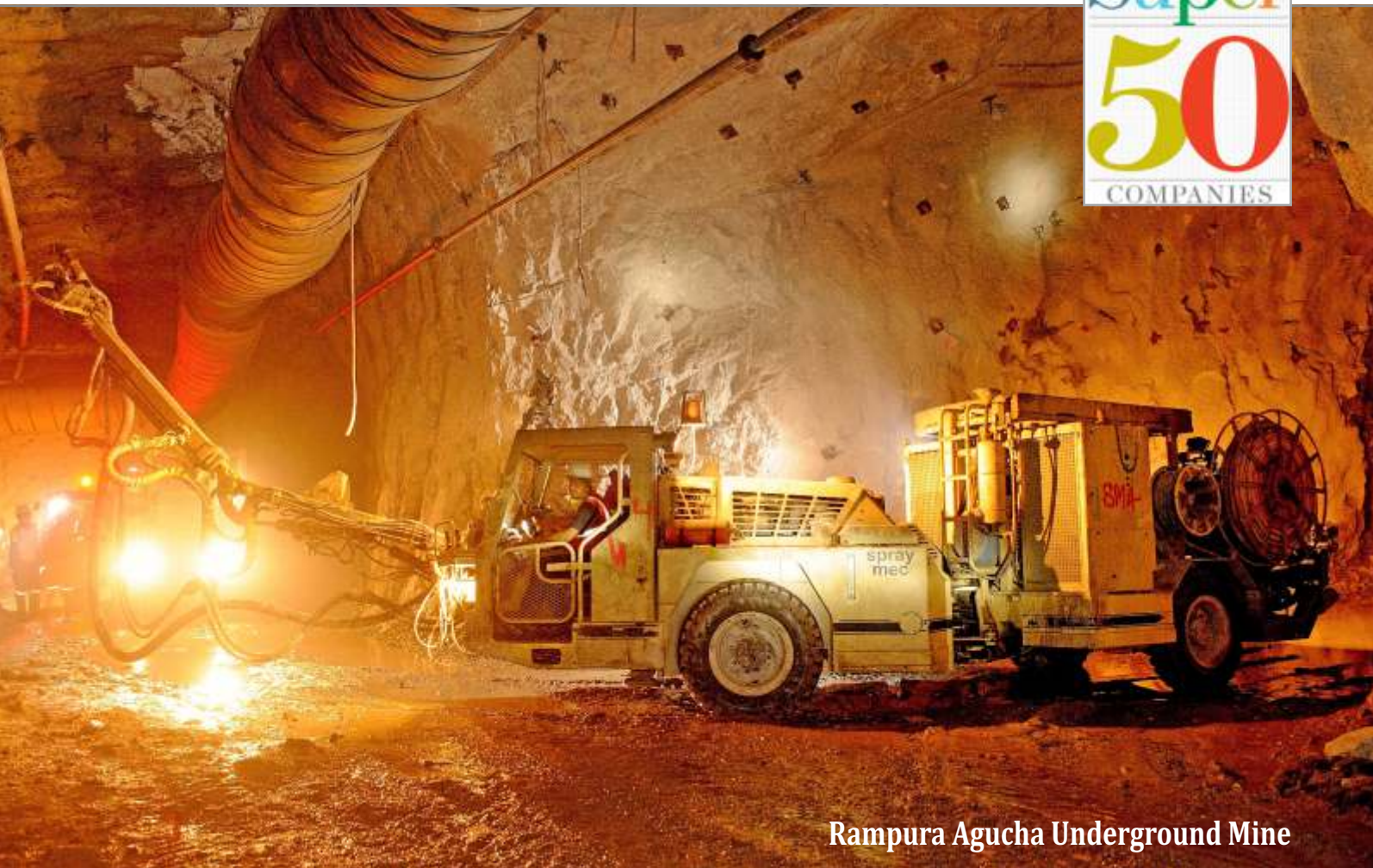
Place: Udaipur

Date: August 18, 2017

Beneath the Surface

by Varsha Meghani

Published in Forbes India | Issue : 4th August, 2017



Rampura Agucha Underground Mine

Hindustan
Zinc -
India's
Super 50
Companies
2017
by
Forbes
India.

A 100-tonne truck emerges from pitch darkness and rumbles past us. Outfitted with helmets, rubber boots and fluorescent overalls, we're seated in an SUV, waiting to plunge into the same abyss. Around us hills dot the dry landscape.

We're at the mouth off the Sindesar Khurd, an underground zinc-lead mine operated by Hindustan Zinc in Dariba on the outskirts of Udaipur in Rajasthan. About an hour ago, a blasting had been carried out in the 500-metre deep mine. The truck that crossed us had scooped up the broken rock and was on its way to a nearby mill where the zinc-lead ore would be separated from the waste.

This extraction of zinc, lead and silver as a by-product is a thriving business; one that has catapulted Hindustan Zinc from deep losses, when it was a government run-entity, to huge profits after Anil Agarwal's Vedanta Ltd (formerly Sesa Sterlite) bought its first tranche of the company's shares in 2002. Last fiscal, the company – 29.5 percent of it is still owned by the government—reported earnings before interest, tax, depreciation and amortisation (Ebitda) of Rs. 9,734 crore on revenues of Rs. 18,642 crore. Meanwhile, cash reserves stood at Rs. 16,065 crore. This, despite declaring an interim and special dividend totaling Rs. 27,157 crore—the highest ever paid by an Indian company in a single financial year claims the company, which trades at Rs. 274 on both the BSE and the NSE (as of July 14). “When our balance sheet became very fat, we decided to share the money with the government, our shareholders and us”, jokes Sunil Duggal, CEO, Hindustan Zinc.



Mr. Sunil Duggal - CEO, HZL

Despite the huge outflow, the company's expansion plans remain undented. With a current output of 1 million metric tonnes per annum (MMTPA) of refined metal, Hindustan Zinc is the second largest Zinc producer in the world – after Anglo-Swiss mining giant Glencore – and seems well on its way to achieving a targeted output of 1.2 MMTPA by FY2019. It is among the world's least expensive zinc producers, and also Vedanta's most profitable unit. In India, it enjoys a near-monopoly (the only other Zinc producer, Binani Zinc, produces 0.03 MMTPA), meeting 80 percent of the domestic demand for the metal that is largely used as a coating to protect steel from rusting. Clearly, Duggal, 55, has much to smile to about.

Our SUV makes its way into the mine. Floodlights blinking, we drive through the mine passages, first 300 metres underground and then 200 metres further. The air becomes heavy and the darkness is interrupted by

light bulbs hanging from the rock ceiling at intervals of a few metres. Jumbos—large vehicles that blast through the ore body—navigate the rocky terrain, making way for our car.

Huge mineral wealth is buried deep within those rocks. In fact, some of the richest ore bodies are found in the five zinc-lead mines owned by Hindustan Zinc spread across Rajasthan. At Sindesar Khurd, the ore grade—the concentration of mineral within an ore—is 6 percent. While at Rampura Agucha—the company's flagship mine, and also the world's largest zinc-producing mine – the ore grade is even higher: “The open cast pit mine at Rampura Agucha has a grade quality of 13 percent, while the underground mine has a grade of 14.1 percent. Globally the average is about 3 percent”, says Ashutosh Somani, metals and mining analyst, institutional equities research, JM Financial.

This natural bounty has ensured that Hindustan Zinc maintains its advantage on the cost of production of zinc. At around \$800 per tonne, the company's cost of production is around 30 percent lower than that of its global peers, says Andrew Thomas, principal analyst, zinc markets, at Wood Mackenzie, an Edinburgh-headquartered research consultancy.

Remarkably, Hindustan Zinc has been able to maintain this cost over the years; around 15 years ago, at the time Vedanta stepped in, the cost was the same. What was different, however, was the price of zinc on the London Metal Exchange (LME). Back then it hovered around \$800 to \$850 per tonne, says Duggal, which meant that the company was largely loss making. So much so that in 2002 when Vedanta bid for a controlling stake in Hindustan Zinc, it encountered little competition; it bought a 26 percent stake from the government for Rs. 445 crore, while another 20 percent was acquired from the public. (In 2003, Vedanta acquired an additional 18.9 percent stake from the government for Rs. 324 crore, taking its total ownership in Hindustan Zinc to 64.9 per cent.)

Around the mid-2000s a China driven commodities boom began, with the prices of oil to iron ore and zinc shooting up. Hindustan Zinc's profit followed suit; in fact its margins only became fatter as its cost of production remained steady.

Today, zinc prices move between \$2500 to \$2700 per tonne on the LME. “We never look at commodity cycles when looking at production,” says Duggal, pointing out that even at about \$1400 per tonne – the lowest zinc prices have sunk to over the last five to six years—Hindustan Zinc still pocketed a good margin, given its \$800 per tonne cost of production. Even at the height of the global financial meltdown in 2009, when zinc prices plummeted to around \$1100 per tonne and prompted producers worldwide to shut mines or halt production, Hindustan Zinc made money. “So that [global zinc prices] is not a topic for me. The only topic is first to control costs and second to increase volumes”, adds Duggal.

Apart from the low cost of labour in India, Hindustan Zinc's access to abundant, and high grade, ore is just one of the factors that enables it to maintain its low cost of production. After all, these resources were available to it even when it was an unprofitable, state-run company.

WHAT MAKES IT SUPER

- Access to high quality grades of ore lends it a 'natural' advantage
- Tight control on costs helps it retain its healthy margins
- Quick adoption of the best-in-class technologies
- The integrated nature of their operations adds to their cost advantage.

In fact, at the time of Vedanta take over in 2002, Hindustan Zinc produced only 0.2 MMTPA of refined metal. “Globally, we were nowhere,” says Naveen Singhal - President and Director, Projects at Hindustan Zinc. “But our chairman’s (Anil Agarwal), vision was to make the company a global first or second.”

Upping production was key to that vision. And so from 2003 to 2005, Hindustan Zinc undertook what Singhal describes as “Phase 1 of the expansion journey, targeting 0.5 MMTPA of ramped up capacity. The challenge however, was to keep capex costs low so as to make the project financially viable, given the low zinc prices at that time, says Singhal. Also, project delays had to be avoided so as not to get caught in a spiral of interest payments. “We engaged the best of contractors with the right technology and right infrastructure practices so that they could do our project right”, he says.

In addition to mine expansion, zinc and lead smelters, and the company's first thermal capacity power plant were built. “Our smelters are power intensive. If we didn't have a power plant, firstly our costs would be higher and secondly getting reliable power would be an issue. Without reliable power, we can lose millions of dollars in a day”, says Singhal. This integrated project was completed in record time and at a cost 40 percent lower than the global benchmark, because of the right technology partners, as well as the low cost of labour that India enjoys, he adds.

By the time the project ended, metal prices started soaring and Hindustan Zinc began raking in the profits. Hungry for more, it eyed large volumes, targeting 0.8 MMTPA of capacity expansion by 2008 as part of Phase 2. This time too, the company ramped up not just its mines, but also the capacity of its smelters and power plants. “Each time we spent money, we spent it in all three areas”, says Singhal. The fact that Hindustan Zinc's mines and smelters and power plants are located close to each other reduces transportation costs, while the power plants meet 94 percent of company's energy needs, says Somani. “The integrated nature of their operations adds to their cost advantage,” he says.

Currently, Hindustan Zinc produces 0.9 MMTPA of metal and is on track to meet its next target of 1.2 MMTPA by FY 2019. As part of this phase, in 2012, it found that the open pit production at Rampura Agucha, responsible for 70 to 85 percent of the total output was tapering. Exploration studies revealed that a kilometre beneath the earth's surface the reserves were still rich. Swiftly, the management implemented a transition from open cast mining to underground mining. Here too, investments in world-class technology, including the building of 1 km-long shafts at Rampura Agucha and Sindesar Khurd mines, are underway to increase efficiencies. Digital technologies, such as wifi infrastructure within their mines, are also being built to connect their operations and resources in real time. “It is the next generation of underground mining,” says Duggal.

The challenge, however, will be to compensate for declining output from open cast mining, while still meeting the 1.2 MMTPA target. This is important for retaining volume and, therefore, cost advantage. At present, the company produces 0.4 MMTPA of metal from underground mining operations. “We are not going from 0.9 to 1.2 MMTPA, but from 0.4 to 1.2 MMTPA. It is a three-fold expansion,” says Singhal, adding that over the last 10 to 12 years the company has spent more than \$3 billion on expansion work.

As we drive through the mine passages, making our way back to the top, the air becomes lighter. Metres away from the mouth of the mine sunlight floods into the SUV. The full extent of the riches that lie beneath the surface become astonishingly clear.



Beneath the Surface

WITH VEDANTA BUYING A MAJORITY STAKE, HINDUSTAN ZINC HAS GONE FROM DEEP LOSSES TO BECOMING THE WORLD'S SUPERSTAR ZINC PRODUCER

BY TAPASWEE BHATTACHARYA

It was a dark, damp, and claustrophobic place. The air was thick with the smell of earth and the sound of machinery. The lights were dim, and the walls were wet. This was the reality of underground mining for Hindustan Zinc. But now, it's a different story. The company has transformed from a deep loss to a global superstar, thanks to Vedanta's investment and the company's own efforts. The mine is now a state-of-the-art facility, with advanced machinery and a focus on safety and efficiency. The company's production has increased significantly, and it's now a major player in the global zinc market.

INDIA'S SUPER 50 COMPANIES

WHAT MAKES IT SPECIAL

THE INTEGRATED NATURE OF THEIR OPERATIONS ADDS TO THEIR COST ADVANTAGE.

SWIFT PROJECT CEO, NAVEEN SINGHAL

100 power plants produced electricity for the world's largest steel plant, while the company's own power plant met 94 percent of its energy needs. This integrated nature of their operations adds to their cost advantage, says Singhal. Hindustan Zinc produces 0.9 MMTPA of metal and is on track to meet its next target of 1.2 MMTPA by FY 2019. As part of this phase, in 2012, it found that the open pit production at Rampura Agucha, responsible for 70 to 85 percent of the total output was tapering. Exploration studies revealed that a kilometre beneath the earth's surface the reserves were still rich. Swiftly, the management implemented a transition from open cast mining to underground mining. Here too, investments in world-class technology, including the building of 1 km-long shafts at Rampura Agucha and Sindesar Khurd mines, are underway to increase efficiencies. Digital technologies, such as wifi infrastructure within their mines, are also being built to connect their operations and resources in real time. “It is the next generation of underground mining,” says Duggal.

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WE NEED TO 'GALVANISE' THE ECONOMY

Sunil Duggal - CEO, HZL | Published in Hindu Business Line | 9th August, 2017



“Galvanised steel will bolster rail safety. Cars and infra projects will suffer fewer corrosion and maintenance issues.”

Consumption of zinc has grown in India over time, helping sectors such as infrastructure, cosmetics, medicines, paints, rubber, surgical tools, plastics, textiles, soaps and batteries expand and grow. But corrosion losses impact India's GDP considerably every year.

This can be checked if we promote galvanisation (cover metals with zinc) in construction. Western countries mandate the use of galvanising for steel structures used in building bridges, highways, airports, metro stations, railway stations, etc.

Zinc is the fourth most widely consumed metal in the world — after iron, aluminium and copper. Almost 50 per cent of the zinc mined across the world is used for galvanising, 17 per cent for zinc alloying, 17 per cent for brass and bronze making, 6 per cent in zinc semi-manufactures, 6 per cent in chemicals, and 4 per cent for other miscellaneous purposes.

India's consumption of zinc is rising day by day as new sectors are being explored to take advantage of zinc. But its potential remains unrealised..

Coastal infrastructure

Use of Galvanised rebars in construction near coastal areas: Corrosion is one of the major reasons for deterioration of concrete structures built near coastal areas. Coastal salts coupled with humidity can corrode exposed metal surfaces and penetrate any opening in the building.

Coastal infrastructure within a range of 5 km is more prone to corruptions and becomes progressively worse closer to the marine source.

According to a study by the American Institute of Architects, it is essential to use hot dip galvanised steel to make such coastal infrastructure-decay resistant. Galvanised steel provides the much needed strength to rebars.

Auto sector

Use of galvanised car bodies: Globally there has been a discrepancy in using galvanised car bodies. Indian car manufacturers use about 3 per cent galvanised steel for cars manufactured and sold in the domestic market. However, the same manufacturers use over 70 per cent galvanised steel in exports to markets in Europe, Asia and Africa.

Indian consumers don't demand galvanised steel due to lack of awareness on the long term benefits of galvanised vehicles.

Car makers in Europe, North America, Korea and Japan have been using galvanised steel for car body panels for decades and provide anti-corrosion and perforation warranties for a minimum of 10 years.

Globally, galvanised steel car bodies have been shown to experience minimal corrosion attack which protects the structural integrity and safety of the vehicle, improves the resale value, provides consumer protection due to anticipated warranty improvements by the car companies, lowers maintenance costs of under-body and structural components due to the use of zinc coated steel, and saves consumers the costs of after-market anti-corrosion treatments and annual inspections.

Corrosion of rails and fish plates: Galvanising of railway tracks would not only be a significant initiative towards safety of trains but would also give more life to the railway tracks. India's rail tracks, spanning over 125,000 km, happen to be the world's third largest. The annual loss due to pre-replacement of corroded rails is about Rs 440 crore. Many accidents have been attributed to fishplates. Not just the fish-plates, even the bolts need protection, protection from corrosion.

Corrosion reduces the life of rails to nearly half its expected life. The rails have a life of 800 gross million tonnes which works to approximately 12-13 years under normal traffic conditions in India. The shorter life of rails resulting from absence of galvanising increases track maintenance workload. Corrosion increases the pace of rails replacement and interferes with normal railway movement causing inconvenience to passengers and freight movers and revenue losses to the Railways.

Energy sector

According to a study by the American Iron and Steel Institute, close to 1 million steel distribution poles have been installed in the United States since 1998 and are being used by more than 600 US electric utilities. India might be having more poles but how many are galvanised is still to be assessed.

If these four sectors mandate to address the issue of corrosion and related safety, it would lead to not just efficiency and savings worth millions of dollars for the Indian economy, but also build long-lasting infrastructure. ■■■





Chairman's Visit to Jaipur

India Today

"The State of the State" Conclave

Chairman, Vedanta Group - Mr. Anil Agarwal was invited as State Guest in Rajasthan edition of India Today "The State of the State" Conclave held on 24th June, 2017 in Jaipur, where the best districts of the State were awarded by Hon'ble Chief Minister of Rajasthan – Smt. Vasundhara Raje.

Mr. Anil Agarwal, during the event, in conversation with Ms. Shweta Punj – Senior Associate Editor, India Today Group, said, "Demonetisation, new bankruptcy law and GST will change India and it will give comfort to investors. Credibility of India has never been so high in last 30 years".

Mr. Agarwal took the opportunity to reveal that Vedanta Resources will invest Rs. 60,000 crore in India in next three years and 30 percent of that will go to the state of Rajasthan. Mr. Anil Agarwal also announced that he would give away 75 per cent of his wealth for the welfare of youth and women.

During the day-long event, spread over 12 riveting sessions, 31 eminent speakers including Union Ministers – Mr. Piyush Goyal – the then Minister of State (IC) for Mines, Coal, Power and New & Renewable Energy and Mr. C.R. Chaudhary – Hon'ble Minister of State for Consumer Affairs, Food and Public Distribution along with former Union Home Secretary - Mr. Rajiv Mehrishi, former Union Minister - Mr. C.P. Joshi, Educationists – Mr. T.V. Mohandas and Mr. Manish Sabharwal, Grammy Award-winning musician - Pandit Vishwamohan Bhatt, Actor - Ms. Ila Arun and Fashion Designer - Mr. Raghavendra Rathore discussed and debated about the multi-dimensional growth trajectory of Rajasthan.





Chairman, Vedanta Group - Mr. Anil Agarwal was in Kolkata on 2nd September, 2017 where he addressed over 300 students of IIM Calcutta and over 100 members of Young Presidents' Organization, Kolkata Chapter. Both the sessions were extremely insightful, where the students of IIM Calcutta and YPO members asked numerous questions on Chairman's roadmap to success, Indian economy, vision for India, scope and contribution of natural resources and the vision of Vedanta. Chairman's replies were met with huge applause and admiration.

Chairman's Visit to Kolkata IIM Calcutta | YPO





HINDUSTAN ZINC'S TRANSITION TO A FULLY UNDER-GROUND MINING COMPANY

BY FY 2019

India's only and the world's second largest integrated zinc producing company, Hindustan Zinc, is all set to become a fully underground mining company by year 2019.

Rampura Agucha Mine of Hindustan Zinc, the world's second largest zinc producing mine and responsible for 75% of company's total output, is gradually moving from open-cast to underground mine operations. The company is expected to close the open-cast mining operations by 2019 and would operate only under-ground mine. The 955 meters depth shaft sinking work at Rampura Agucha Mine has already been completed and commissioned.

In the year 2016-17, Rampura Agucha mine produced ore both from open-cast and under-ground mine. The contribution of open-cast was 3.3 million tonnes and under-ground as 1.4 million tonnes. Rampura Agucha mine ore production capacity is expected to reach about 4.50 million tonnes by 2019-20. The ore production capacity of Rampura Agucha mine as on 31st March 2017 stands as 6.15 million tonnes.

According to the metals and mining analyst, the grade at Rampura Agucha open cast mine is 13 percent and the under-ground mine would be also similar. Globally the average grade varies between 3-6 percent and that gives a huge advantage to Hindustan Zinc in global market. Even the cost of production of Hindustan Zinc, which is about \$ 800 per tonne, is 30 percent lower than that of the global peers.

Hindustan Zinc is on its way towards transition to a fully underground mining company with next generation of technology. This transition will be completed either by the end of current financial year or maximum by early next year. Certainly the production level at open cast mine are much easier when compared to underground mine and initially we are expecting the production levels to be slightly challenging at Rampura Agucha. But since they are ramping up all the other mines, they are well placed to meet the requirements of their smelters and also the production levels. Gradually, the production level at Rampura Agucha under-ground mine will pick-up and will further support the expansion plans.

This transition is part of series of systematic decision and this is the reason they have already speeded up expansion in our other underground mines to ensure that the overall mine production is not impacted.

By 2019-20, Hindustan Zinc will be expanding its all mines to meet the growing demand. Rajpura Dariba mine is being expanded to 1.5 million tonnes from the current capacity of 0.9 million tonnes. The silver rich Sindesar Khurd mine is being expanded from the current capacity of 4 million tonnes to 6 million tonnes. Zawar mines are all set to reach the capacity of 2.5 million tonnes from 1.8 million tonnes in the current financial year and subsequently to 4.5 million tonnes in next 3 years. The company's Kayad mine in Ajmer has ore production capacity of 1 million tonnes and efforts are being made to expand this mine as well.

The shaft sinking work has been completed at Sindesar Khurd mine which has reached the depth of 1050 meters and a new mill of 1.5 mtpa capacity has already been commissioned last year to support the enhanced ore production at Sindesar Khurd mine. The Company is also setting up Fumer Plant to further improve recovery of metals from the slag.

Though ore production capacity of all the mines put together is 12.20 mtpa, the actual ore production in the year 2016-17 was 11.87 million tonnes. The company is aiming to expand the mine production levels to 13.10 mtpa in the current financial year and reaching to 17.50 mtpa in the next three years, i.e. by FY 2020.

Since disinvested in 2002, Hindustan Zinc has invested over USD 3 Billion towards its 4 phases of expansion programs to reach to metal production capacity of 1 million tonne and within three years the company is expected to expand the capacity of metal production to 1.2 million tonne an eventually to 1.5 million tonnes in the next 5 years.

The global zinc market is expected to grow at a CAGR of 3.96% during the period 2017-2021. The zinc consumption in India is too increasing every year and eventually the issue of corrosion in the new sectors like automobiles, railways, use of galvanised re-bars in coastal structures, electricity distribution network will also drive zinc consumption in India.

Agriculture is another area where zinc can improve the yield of crops since a large agriculture land in India is suffering from zinc deficiency which is not only impacting the mineral value in crops but also affected the overall production.

Hindustan Zinc is counted amongst the top 50 companies in all sectors in India. The company has high quality of grades of ore but also keeps tight control on the costs, best in class technology and substantial cash accruals to meet expansion plans. ■■■

THE SILVER LINING

Sunil Duggal - CEO, HZL | Published in Financial Chronicle | 15th September, 2017

If we add the amount of solar energy that is absorbed by the earth's atmosphere, land and oceans every year, we end up with approximately 3,850,000 EJ (exajoules or 10^{18} joules). To put it in more understandable terms, this amount of energy is equivalent to: 2.7 million earthquakes of the same size as the Tohoku earthquake in Japan (2011); 40,000 times the total energy consumption in the United States; 8,000 times the total consumption in the whole world; 40 per cent of the energy that is required to heat the entire volume of water we have on earth by 1°Celsius. Every square metre of our planet receives around 1,366 watts of direct solar radiation.

In America, one solar panel system is installed every four minutes. NASA is currently working on a solar-powered aircraft.

Globally, California is home to the largest solar power plant in the world, located in the Mojave Desert. It spans 1,000 acres. California also dominates the solar power market, with a market share of 44 per cent in 2015. California, Arizona, and North Carolina are the top three US states for solar power, based on the amount of cumulative solar electric capacity installed. There are now nine states in the US where 100 per cent of new electrical energy comes from solar power. In terms of employment generation, more than 200,000 Americans currently work in the solar power industry. That number is expected to climb to 420,000 by 2020.

India is currently 100 per cent importer of solar parts where Silver is used. The major countries from where it is being imported are China and Japan. Taking forward the vision of our prime minister Narendra Modi to produce 100 GW of solar energy by 2022, and producing solar parts, India's consumption of Silver will be all set to increase by about 4,000 tonnes. It is also true that 40 tonnes of Silver is required to produce panels that would generate 1GW of solar power.

Technically speaking, Silver is a primary ingredient in photovoltaic cells, and 90 per cent of crystalline silicon photovoltaic cells use Silver paste. When sunlight hits the silicon cell it generates electrons. The Silver used in the cell works as a conductor to collect these electrons in order to form a useful electric current. The Silver then transports the electricity out of the cell so that it can be used. Further, the conductive nature of Silver enhances the reflection of the sunlight to improve the energy that is collected. Therefore, if it wasn't for Silver, solar wouldn't be as efficient in turning sunlight into energy.

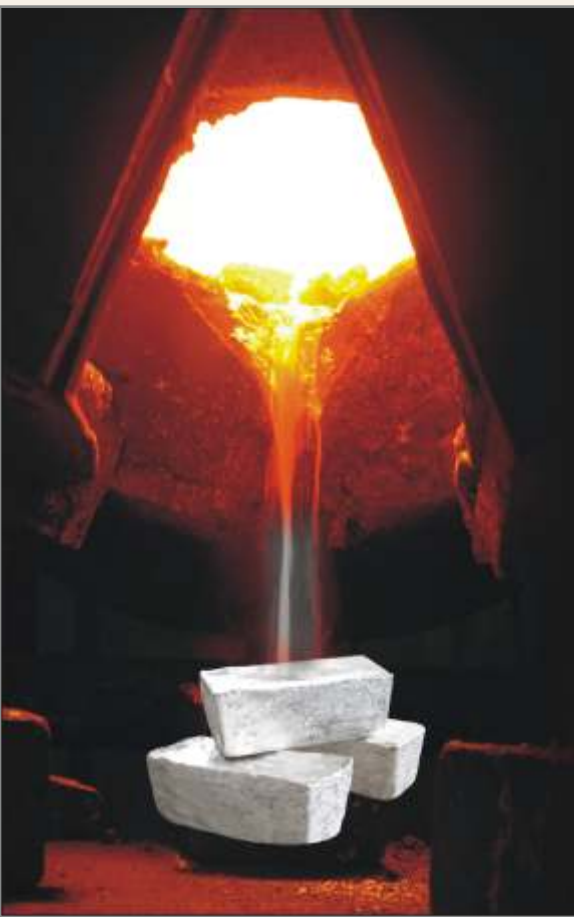
But, where is the Silver in India. Have we explored Silver in India? Silver is giving jitters to the increasing solar demand in India.

Silver is found in zinc-lead mines and there has been no new large mine explored in India in over a decade. Exploring a mine takes its own time and developing a mine takes 3-5 years. Either we rely on imports or we develop our own resources is the decision that India needs to take.

India is the largest consumer and importer of Silver in the world, having a share of about 21 per cent of global Silver demand though it produces only 6-8 per cent of its consumption requirement. The current Silver import in India is touching 7,000 tonnes and here in India we produce close to 500 tonnes which maximum can be extended to 1,000 tonnes in coming 3-5 years, with expansion of Hindustan Zinc mines that produces over 95 per cent of India's Silver. Globally, the highest usage of Silver is industrial fabrication (55 per cent), followed by coins and bars (20 per cent) and jewellery (20 per cent) and lastly Silverware (5 per cent). In India, the highest usage of Silver is jewellery (38 per cent), followed by coins and bars (22 per cent) and lastly Silverware (20 per cent) and industrial fabrication (20 per cent), as per World Silver Institute.

As compared to the world, India has been slow towards utilisation of Silver for industrial usage with mere 20 per cent, as compared to global usage. Though we are growing in terms of utilisation of Silver in jewellery and Silverware, the real boost will come with digital India and development of domestic solar energy market where Silver will be used.

Silver's industrial role is much more than that of gold's and it is for this reason that a shortage of Silver will have higher negative implications than there would be if there was a shortage of Gold.





HINDUSTAN ZINC SEWAGE TREATMENT PLANT

Establishing Sewage Disposal Network - Cleaning Lakes - Building Environment

Sustainability has always been the core value of Hindustan Zinc and all its units operate on Zero Discharge. This Sewage Treatment Plant is a significant step towards conservation of water, care for environment and a step towards zero discharge in the lakes.

Udaipur is one of the world's most sought after tourism destination. Surprisingly, till 5 years ago the city did not have any domestic sewage disposal system. With an advent of increasing tourism and population, the city had gone from bad to worse in domestic Sewage, impacting the cleanliness of beautiful lakes, the city is known for.

The option was only one, to build Udaipur's Domestic Sewage Plant, under the Public Private Partnership model, and establish a well-organised modern sewage disposal network.

This is when Rajasthan Government and Hindustan Zinc joined hands to build Udaipur's or rather Rajasthan's first Sewage Treatment Plant that would initially treat 20 million litres of Udaipur domestic sewage per day. Hindustan Zinc's technical expertise and experience came handy and this Rs. 170 crore project was commissioned in no time. All the domestic Sewage that was otherwise being thrown in lakes and other open drains started getting diverted to the Sewage Treatment Plant and the majesty of lakes started getting revived.

The project was delivering as envisaged.

Taking forward the issue of addressing 100% of domestic Sewage, Hindustan Zinc decided to expand its reach and almost triple the capacity to 60 million litres of Sewage Treatment per day from the current level of 20 million litres per day.

This required additional expenditure of Rs. 80 crore, making a total investment of Rs. 250 crore.

With this expanded capacity installation, the work of which has already started and is likely to be commissioned in a year's time, will treat almost 100% of Udaipur domestic Sewage.

Finally, Udaipur - a global sought after tourism destination which has been attraction of millions of tourists will have a well-established and organized domestic sewage network, which would only make the lakes cleaner, environment less polluted and a significant step towards smart city.

It is said, the water saved is water produced. The water extracted from sewage is being used for industrial purpose now, releasing the earlier fresh water extraction from rivers, for drinking purpose. Not just this, the Sewage Treatment is producing manure which is now being gainfully utilized.

Swachh Udaipur will be part of Swachh and Swasth India.



Albert Einstein said - *"The value of a man should be seen in what he gives and not in what he is able to receive".*

These values of giving have their roots going deep to mythological times where Karna, one of the central characters in the Hindu epic Mahabharata was a man with a phenomenal sense of integrity and generosity. Even Lord Indra who tricked him by disguising as a Brahmin for his Kavach and Kundal that made him invincible was amazed at Karna's capacity to give away anything asked for. Even though he had alliance with Kauravas during the war, he is always remembered as 'Daanveer Karna'. Also, 'Maharshi Dadhichi', one of the greatest saints of all times donated his bones for the welfare of the community, a force that still drives Indian philanthropy.

We all have grown hearing such stories on power of giving and understanding the necessity of community development and humanistic approach in every way of life. Irrespective of profession, high or low profile, there are people who have made best of their capabilities provided to them for development of society.

When it comes to community service or popularly known as 'Social Responsibility', it has always been seen as responsibility of government and main source for social-economic development of society, particularly in rural India. When Panchayati Raj was introduced, it brought in rural independence in India. With the advent of technologies and setting-up of big industries in remote rural areas, it led to generation of employment thus giving economic boost to villages where Agriculture has always been the main source of economy. It led to less migration and availability of growth opportunities in villages. Gradually with time, population spurted in both villages & cities and with this their necessities also increased making it crucial for the Government to allow Corporates to pitch in for the Greater Good.

This is when Social Responsibility transformed to 'Corporate Social Responsibility'. There are some respected and successful organizations that primarily work towards bringing socio-economic independence in rural communities with the focus on child care, education, health, nutrition, employment, women empowerment, infrastructure development, to name a few. In 2015-16, 5097 companies have invested Rs. 9822 crores in India for social good. This spend is testimony of increased involvement of private sector in social development by contributing in generation of employment and eradication of poverty in country. With Government, corporates and supporting NGOs coming together for nation building, it becomes imperative for communities and individual to take the ownership and work towards 'Collective Social Responsibility' to achieve a well-defined objective. It is important to make the community responsible thus requires more community participation.

To work on long term, sustainable solutions based on the need of the communities, there is a need to underline high impact CSR programs like child care, education, healthcare, women empowerment, skill development, sanitation and agriculture & livestock. For immediate attention, 'child care', 'women empowerment' and 'Skill development' should become part of Nation Development Projects.

There are 7.5 crore underprivileged children in rural areas who need environment to grow and nurture into responsible human resource. We have to build future of India by strengthening their foundation by providing them proper nutrition, health and education.

Women, constituting 48% of total population of country has time and again proven, when we empower them, they empower their family that empowers village/city and ultimately empowering whole nation. Rural women have immense potential to develop their skills and make that a regular source of livelihood. All they need is encouragement and skill development program to move them towards micro-enterprise.

India has target of creating 500 million skilled workers by 2022. It is essential to tap this resource who is primarily those, who could not study due to lack of facilities in their village or lack of interest. There is a need to increase their capacities through professional vocational training programs thus making them resourceful manpower.

With corporate's engagement and communities' support, Government can execute these programs by assigning each corporate with one focus area to address and same will be weaved into their Business Plan. This approach will give undivided attention of Corporate that will align all their resources on the execution of one project, ultimately impacting the society at a National Level. The other approach is that Government allows corporates to highlight 5 flagship programs in the state they are operating and start engaging their resources on the implementation of these programs for the benefit of the community. It is to understand that when corporate come forward to drive the programs for community welfare, it is essential to get support from all sectors including Government. Corporate also need a cushion in smooth running of their Businesses as they are ultimately contributing in boosting the economy and job creation. They should be given equal opportunities to flourish by introducing transparent policies, simple regulatory framework with an offering of 10% tax rebate in running businesses. This money gained is only to be further utilized and reinvested for the Greater Good.

For a developing nation like India, it is important to recognize & strengthen the grass-root level and taking forward the whole nation together in making it the powerhouse of socio-economic development.

DEVELOPING INDIA WITH COLLECTIVE SOCIAL RESPONSIBILITY

When corporates come forward to drive
programs for community welfare,
it is essential to get support from all sectors...

By Pavan Kaushik & Maitreyee Sankhla

SHIKSHA SAMBAL

Bridging Gaps

in Rural

School

Education



- ◆ Hindustan Zinc's Shiksha Sambal Program since 2008 has been providing classes in Maths, Science & English in Government Schools
- ◆ So far, over 50000 rural & tribal students have been benefitted



When Geeta was born in a farmer's house in Bhilwara in Rajasthan, unlike many of the rural families, the parents decided to provide her the best of education. Geeta also had an elder brother, Dheeraj, who was studying in nearby government school in 2nd standard. As the children were growing, the small girl also started showing interest in education. She would keep playing with his brother's books and admire the pictures. When she became eligible for pre-school, she started going to nearby Anganwadi centre.

The parents were very happy since both the children were getting education.

The problem started when Dheeraj reached class 10th and wanted to pursue Science. The school had no teacher to teach the subject. Not just Science, even for Maths and English, teachers were not available. Dheeraj was disheartened. He had two options, either to change his subjects or search for some school outside the city. He was not ready to give up studies. As Dheeraj's father was not financially sound, he could not afford sending Dheeraj to another city for schooling. Security and safety was another concern for the family.

Like Dheeraj, there were many students who wanted to study Science, Maths and English but they could not find a solution. Not just the boys, many girls of the village wanted to pursue studies further and choose these subjects.

Geeta, who was still young had the same fear. She was a brilliant student and wanted to pursue Engineering or Medical Science. But after knowing all this, her dreams were getting shattered. She started losing interest in education.

The matter went to elders of the village and they met the Principal of the school. But the Principal showed his inability and could only express regret.

Then the solution came from a Business House that was located near their village. One of their representatives met the school Principal. After hearing everything during the meeting with students, the Management of this Business House introduced them to a project for these students. This project would provide trained teachers to the students who would teach them English, Science and Maths subjects throughout the year and year after year which will get the recognition as part of school syllabus. The dreams of all these children were reinstated.

The Project was "Shiksha Sambal" and the Business House was Hindustan Zinc.



“For a tree to be strong and upright, its roots have to be firm”. Similarly, schools are a cornerstone in any student's lives to cultivate healthy thought process and groom intellectual abilities.

Schools in rural areas have their own challenges in terms of providing education to students. The government has provided schools in rural areas but the point is how well these schools are equipped to provide quality education. Students appearing for Senior Secondary education suffer the most. The teachers are not available for certain subjects and thus either they have to leave those subjects and choose the subjects available in the school or even change the stream of education to get qualified and experienced teachers. It is evenly difficult to convince villagers to send their children to schools, particularly the girls.

Government is very keen to provide the best possible facilities in village schools. But they do need the support of people, here, teachers, to run these schools successfully. This is when Corporates and Government should come together for the holistic development of communities by aiding the facilities and financial securities.

Through Shiksha Sambal, Hindustan Zinc provides a platform that empowers rural students to pursue their dream of obtaining higher education and joining prestigious institutions to play an important role in development/ progress of the country in future.

After the identification of the need of schools in terms of number of qualified teachers, CSR team deputed qualified teachers from external sources in respective schools for the students appearing for Board Examination. These teachers are educated youths in nearby villages who were unemployed and struggling to get jobs, in spite of possessing a degree.

In 2016, Hindustan Zinc partnered with Vidya Bhawan Society, Udaipur, for effective implementation of this program.

Shiksha Sambal believes that conceptual clarity is the foundation of all learning and is essential for doing well in examinations. Such clarity will come through a well-rounded studying approach that includes comprehension, careful observation, classification, conducting experiments, peer group activities and an unending process of enquiry. Languages of children have an important role in building conceptual clarity, learning other languages and cognitive growth. Performance in Mathematics will improve with the understanding of basic mathematical concepts. And the only way to really understand Science and score in it is by conducting experiments on their own. In each case, the programme pitches one point above the cognitive levels of children.

Regular orientation and subject-specific workshops are also being organized under Shiksha Sambal wherein it also focuses on conceptual mapping of each chapter of the given subjects and makes plans for systematic interventions with teachers and students. Preparing worksheets that could be used with children is an ongoing process; these materials help in understanding the concepts and in attempting examination questions successfully.

Another important component of Shiksha Sambal has been the Summer Learning Camps (SLCs). This year, 7 Summer Camps were organized in 5 districts of Rajasthan for more than 750 rural students who are appearing for 10th standard Board Examination this year. The first residential summer camp was organized last year in Udaipur that saw participation by around 70 rural students. Sighting the success of last year's camp, this year, more than 200 students actively participated where about 50% of them were girls from villages around all 7 business locations including Pantnagar. Around 12-15 students from last year's camp also participated this year as 'Captains' to aid in managing the current batch.

The company has also provided help in building infrastructure like science laboratories, well stocked library, playground, computer laboratory and also classrooms. There are many activities, such as solving worksheets, doing science experiments and using library books to deepen the conceptual understanding of the students.

In the recently released Board Exam results for 10th standard, there have been remarkable improvements in several of the Shiksha Sambal schools. Kanpur school (Zawar) which last year had a pass percentage of only 11%, now has a pass percentage of 91% in 2016-17. Similar improvements can be seen in other schools. Putholi (35% to 73%), Padla (32% to 54%), Medta (44% to 64%), Zawar (16% to 36%), Pandoli (37% to 60%), Kashmor (57% to 100%) and Soniyana (45% to 79%).

Shiksha Sambal is reaching out to more than 57 schools in 5 districts of Rajasthan - Chittorgarh, Bhilwara, Rajsamand, Ajmer and Udaipur. By now, more than 6000 students have been benefited wherein 150 teachers, 80 Field Instructors (FIs), 50 HZL employee-volunteers and resource persons from Vidya Bhawan Society are engaged in strengthening the quality of education. ■■■



Ask for ZINC

... A to Zinc in our lives...

Some Ignorances Are Not Bliss...

Though we started this initiative to explore usages of Zinc, but with every research on Zinc, our trust on this metal is only increasing. My curiosity has lead me to search for Zinc in everything I use or consume. It is not about identifying the health problems or corrosion issues, it's about why certain health problems are preventable or early curable, and why, corrosion did not take place across number of buildings, bridges, electrical poles, automobiles and temples in so many decades.

We don't use toothpaste anymore that does not have Zinc. While taking any multi-vitamin, antiseptic, oral care medicines, we make sure it has Zinc in it. It is a tonic for my skin, nutrition, strength to paints and for healthy hair. While buying any steel item, post verifying SS symbol, the next question is whether it has Zinc coating or not.

We have become spokespersons for Zinc. Our watches, mobiles and other equipment, using



batteries, has to have only Zinc batteries. The usage of Zinc in the Moon Buggy and in Spacecrafts is only justification of the trust and respect this metal governs across various usages.

For once, I am continuously exploring properties and usages of Zinc, and not because I work for Hindustan Zinc.

Why this metal is the 4th most sought after metal is now understood. Why mankind searched for it in ancient times so rigorously is also known now. The only difference is, in the ancient times the wisdom was more predominant than today, as today, the benefits of Zinc have been further identified and explored.

And now since I know, I ASK FOR ZINC. Truly, Zinc is in our lives. So live with it, why without it.

Wondering, even after knowing so much, approximately 1/3rd of the world's population lives in areas of high-risk of Zinc deficiency.

Some ignorances are not bliss...

By Pavan Kaushik

Forever in Bloom – Lotus Temple in Delhi...

The Bahai or Lotus Temple in Delhi, completed in the year 1986, is a monumental structure shaped as the petals of the lotus flower. It was built by a renowned Canadian architect named Fariborz Sahba and took 10 years for planning the structure of the temple and implementing it.

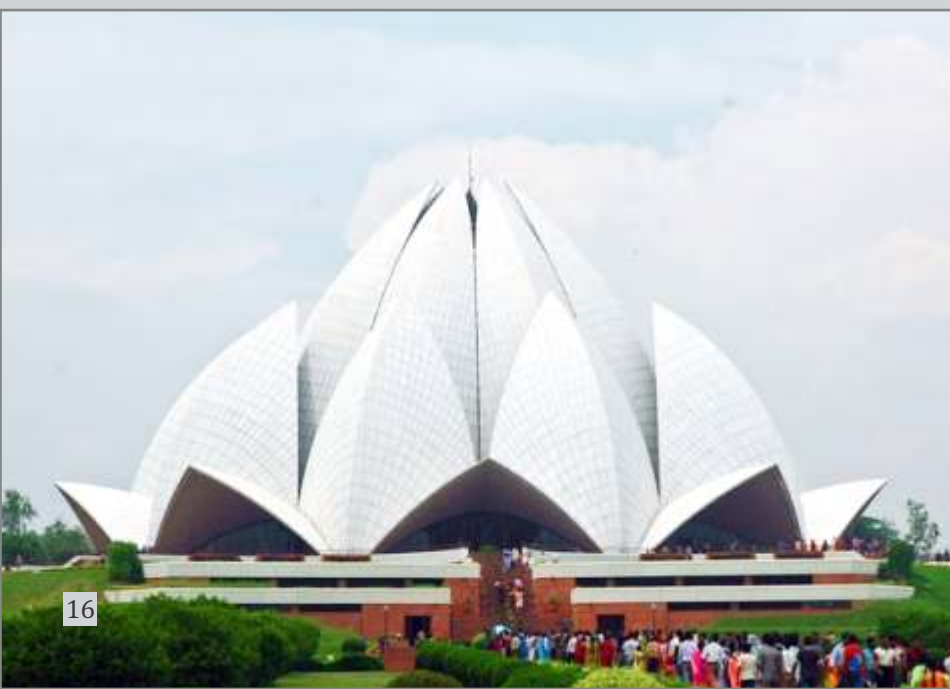
The petals of the Lotus temple of Delhi are clad in white marble panels, and their structure has been reinforced with 300 tonnes of galvanized bars to avoid

the risk of rust staining on the white concrete body. This also helped to maintain the pristine appearance of the monument and avoid cracking which is prevalent in Delhi because of the humid conditions of the city. Also, the reinforcement used in the white concrete shells, the binding wires and the connecting cables are entirely galvanized so as to prevent the long-term effects of rusting and to guarantee the life of the delicate shell structure of the petals.

Lotus temple is one of the best pieces of art of olden times, that has stood the test of time till today. The monument remains one of the major attractions and a prominent landmark which has won numerous architectural awards. Hundreds of millions of devotees from across the world have already visited Lotus temple and the structure is made to see many more millions in the coming hundreds of years.

Another example of “we all have ZINC in our lives...”

We all have Zinc in our Lives...



INNOVATORS *of* ZINC

What gets measured; gets managed...

Detailed analysis and design modification of Induced Fan Duct to reduce power consumption...

Induced Fan Duct is a critical equipment of Boiler in Captive Power Plant (CPP) and its malfunction would lead to breakdown of boiler. CPP at Chanderiya has been facing a major challenge of erosion of duct parts of Induced Draft Fan, leading to higher power consumption, thereby, increasing COP.

To eliminate the erosion, Captive Power Plant team comprising Mr. Mahender Singh Rathore (Manager - Engineer and Planning), Mr. Seela Satyanarayana (Associate Manager - Electrical), Mr. Mohd. Parvez (Associate Manager - Power), Mr. Chandi Das (Associate Manager - Electrical) and Mr. Binu Raphael

(AGM - Asset Optimisation) conducted a detailed "Computational Fluid Dynamics" analysis by taking measurement of pressure drop across the duct. Huge pressure drop across the duct was found to be the main reason of erosion during the analysis. Team then rectified the flow path of induced air by modifying the design of the duct.

Team efforts paid result. After design modification, the erosion of duct got reduced and power saving of around 100KW/Unit was achieved leading to cost saving of Rs. 30 lakhs per annum. This has been horizontally implemented across all units of HZL.

Small changes usually add up to huge results...

Reducing Breakdowns by In-house designing of Loader bucket...



Komatsu Loader WA900 having 13 cubic meter bucket capacity, is one of the largest Loaders used in Mining Industry. At Rampura Agucha Open Cast Mine, this Loader is used at primary crusher pad for ore feeding. But RA-OC team has been facing a major challenge in the Loader, its tooth points would often wear off from the mounting pin and fall into crusher resulting in crusher breakdown. Also, the life of tooth point was very short.

To reduce the crusher breakdown and to increase the life of tooth point of the bucket, Heavy Earth Moving Machine (HEMM) team consisting Mr. Krishankant Tripathi (Executive- HEMM), Mr. Sachin Kumar (Engineer- Mining Machinery) and Mr. Arjun Kumar

(HOD-HEMM) took the challenge to change the design of the Loader bucket. After studying the technicalities involved, the complete bucket front lip was re-designed by the team indigenously and manufactured through local agency. Tooth Point of different design was also fitted in the bucket.

The results were remarkable. Since then, there is not a single case of premature wearing of tooth point in the new design of bucket. The life of new tooth point is twice the original. The cost of ground engaging tools for the equipment went down from Rs. 1538/ hour in FY 2015-16 to only Rs. 415/ hour in FY 2016-17 which gave a direct saving of Rs. 36 lakh y-o-y and, eliminated indirect losses due to breakdown of the equipment and crusher.



Safety has always been a priority for Hindustan Zinc. The initiative "Being Safe" by Corporate Communication conveys on-the-job and off-the-job safety to the employees of the Company. By using live interactive tools, discussion of case studies and screening in-house made safety films, the initiative conveys the importance of being safe for themselves and their families. In this quarter, "Being Safe" conducted 2 workshops for employees at Chanderiya Smelting Complex and Zawar Mines and interacted with over 200 employees to bring about a sense of responsibility for safety among them.

Rajasthan ranks 5th in India in terms of Road Accidents. Road Safety has been taken for granted where many do not follow traffic rules and do not wear helmets or belts while driving. Risk factor has become a source of thrill for not just adults but for children too. "Being Safe" thus extended its focus on children where Corporate Communication conducted 3 workshops at Central Academy, Chittorgarh, Ryan International, Udaipur and DAV school, Zawar, interacting with over 300 students in the quarter. Children would not only craft the future of India but are also instrumental in bringing change in the system and mind-set. The Safety Interactive Workshop brought up enlightened young individuals who promised to follow the path of "Being Safe".

"Being Safe" has till now interacted with more than 2500 employees and children and has been successful in inculcating the value of life and bringing employees closer to the management.



"Being Safe" initiative has been quite effective in reducing stress, bringing-in a sense of responsibility not just at the workplace but also towards the families of the employees...

There have been many legends who have voiced their thoughts about social responsibility. The word 'Corporate' in CSR came much later, as earlier, the government was the main source for social and economic change and development of society, particularly in rural India. With time and spurt in population and also increase in necessities, the need for Corporate participation was felt essential. Corporate participation brought dramatic changes towards infrastructure, employment generation, education, health, nutrition and rural women economic empowerment. The results were to be seen.

Many living legends like Bill Gates, Warren Buffett and our own Chairman are testimonies of this Greater Good.

But what these legends think about social responsibility and what has driven their passion is a story by itself. Their quotes, case studies and success has inspired millions of people across the world.

After all, VOICE ON KINDNESS has its own reach and impact.



"I want to see India as a child malnutrition free country. A very high percentage of children in India are under-nourished and are under-weight. Children are wealth of any nation and also future of Indian growth story. I want to be guardian of these 7.5 crores underprivileged children living in remote rural areas, below the age of seven years, who are in need of proper nutrition, health care & education and I will not sit in peace till every child in this country gets these basic necessities."



Anil Agarwal
Metal King with a Golden Heart
– A Billionaire Philanthropist

"I feel proud of what the National Dairy Development Board and Operation Flood have contributed to this White Revolution. But I also feel proud of the efforts of a great many others of my countrymen and women. While we have not always agreed about ends and means, there can be no doubt about the contributions of our Ministry and its officers, of the state governments and their agencies, of voluntary organisations and others who have worked to build our national milk production. Most of all, we must all pay tribute to the women and men who manage our national herd. Poor – often without access to education, health services, finance and other facilities enjoyed by their counterparts around the world – our dairy farmers have transformed a national liability into a national asset. It is they who have accepted the risks, they who have laboured from dawn 'til dusk, and they who have sacrificed."



Verghese Kurien
'Milkman of India' – 'Father of White Revolution'
Founder – Chairman, AMUL



TELEGRAM

TWITTER OF YESTERDAY

The moral science of yesterday and environmental science of modern world ...

The word Sustainability may be new in the system, but that does not mean the applications of Sustainability did not exist in the ancient times. Safety, environment and health of people was equally important in the ancient time, as it is today, rather it may be more today, only due to population and pollution. The difference could have been between – self-realization and compliance. Yesterday, it was more due to natural concern and nature supported too, but today, it is pressure concern, as nature does not support it. The origin of Sustainability has many hidden and interesting information and facts. Many inventions, innovations and practices have been adopted today seeking guidance and inspiration from the history.

The moral science of yesterday and environmental science of modern world

This is where corporate communication team thought of starting a new initiative – TELEGRAM – a short 50 words message on Sustainability that would bring in something that also might be unheard and unknown. TELEGRAM, you may call it TWITTER OF YESTERDAY, has been the most awaited instrument of communication in the golden era and we expect it would be today as well... The First story on TELEGRAM is about PEDESTRIAN CROSSING....

Pedestrian crossing concept is 2000 years old...

The pedestrian crossing concept is 2000 years old and can be seen in the ruins of Pompeii-an ancient Roman town-city. Blocks raised on the road allowed pedestrians to cross the street without having to step onto the road itself and the spaces between the blocks allowed horse-drawn carts to pass along the road.

Interestingly, the first pedestrian crossing signal was erected in Bridge Street, Westminster, London, in December 1868. It was the idea of John Peake Knight, a railway engineer, who thought that it would provide a means to safely allow pedestrians to cross this busy thorough fare.



Belting the Accidents...

Every car manufactured today uses three-point seat belts. But in 1950s, the pilots and racing drivers wore harnesses that took the form of a basic two-point waist restraint. During crashes, sometimes these did more harm than good.

Nils Bohlin, an engineer at Volvo, invented the three-point seat belt in 1959. The three-point seatbelt is so widely adopted because Volvo opened up the patent so that any car manufacturer could use it in their design. They felt that the invention was so significant, it had more value as a free lifesaving tool than something to gain profit from.

Seat Belt remains the most successful contribution to safety in the history that has reduced the chance of injury or fatality by at least 50 percent in the event of collision.



Unfortunately, some still ignore it... the excuses are many.. but the reason for wearing is only one... YOUR SAFETY...

Helmet - The Modern Helm...

The oldest known use of helmets was by soldiers in 900 BC, who wore thick leather or bronze helmets to protect the head from blunt object and sword blows in combat. Soldiers still wear helmets, now often made from lightweight plastic materials.

Historically, helmets have been made from a wide range of materials, including various metals, plastics, leather, and even some fibrous materials such as Kevlar. Ancient and medieval helmets were usually made of metals, often bronze, iron or steel, though some boar's tusk helmets also existed.

HELMet, time might have lapsed, but, the objective remained the same, protecting the head from injuries.



विशेष बच्चों पर खास ध्यान देगा हिन्दुस्तान ज़िंक

हिन्दुस्तान ज़िंक के "जीवन तरंग ज़िंक के संग" कार्यक्रम से 4 जिलों के 500 बच्चें होंगे लाभान्वित



ईश्वर कुछ बच्चों को बहुत सारे प्रेम, स्नेह और संरक्षण से बनाता है जिनकी मुस्कान आपको मुस्कुराने के लिये बाध्य कर देती है तो वहीं आपकी आंख में आंसू भी ला देती है। इन बच्चों को खास देखभाल की ज़रूरत होती है इस कारण इन बच्चों को विशेष बच्चे माने जाते हैं। ऐसे में यदि इन विशेष योग्यजन बच्चों के सपनों को संबल मिल जाए तो ये भी समाज की मुख्यधारा से जुड़ सकते हैं। इसे संभव करने की पहल है, हिन्दुस्तान ज़िंक का 'जीवन तरंग-ज़िंक के संग' कार्यक्रम जिसके अन्तर्गत अब इन बच्चों को कौशल विकास से जोड़ा जाएगा ताकि ये भी शैक्षणिक और सामाजिक तौर पर सक्षम हो सकें।

30 अगस्त, 2017 को यशद भवन सभागार में ज़िंक दिवस आयोजित किया गया विशेष योग्यजन बच्चों ने कार्यक्रम में भक्तिगीत, देशभक्तिगीत, फिल्मी गीतों तारे जमीं पर, जय हो पर नृत्य के साथ ही मार्शम द्वारा खुद की क्षमता को दर्शाया। कार्यक्रम में सभी प्रस्तुतियों की ऑडिटोरियम में मौजूद हर एक व्यक्ति ने तालियों की गड़गड़ाहट और विशेष योग्यजनों को हाथ हिला कर अभिवादन से उत्साहवर्धन किया। कार्यक्रम में राजकीय विद्यालय चाकसू के कृष्णपाल ने गीत की प्रस्तुति दी। श्री सांवलिया बहुउद्देशीय विकलांग सेवा संस्थान चित्तौड़गढ़, बधिर बाल कल्याण विकास समिति भीलवाड़ा, विकलांग कल्याण समिति उदयपुर, बाधित बाल विकास कल्याण समिति अजमेर, प्रयास संस्था उदयपुर के बालक बालिकाओं की प्रस्तुतियों ने समारोह को अद्भुत और ऊर्जावान कर दिया।

इसके तहत हिन्दुस्तान ज़िंक के कार्य क्षेत्र जिलों उदयपुर, चित्तौड़गढ़ के चंदेरिया लेड ज़िंक स्मेल्टर, भीलवाड़ा के रामपुरा आगुचा खान और अजमेर के कायड़ माईन्स के 500 बच्चों को चिन्हित किया गया है। इन बच्चों को सार्थक शिक्षा देने के लिये हिन्दुस्तान ज़िंक ने उदयपुर में विकलांग कल्याण समिति, चित्तौड़गढ़ में श्री सांवलिया बहुउद्देशीय विकलांग सेवा संस्थान, भीलवाड़ा में बधिर बाल विकास कल्याण समिति, अजमेर में बाधित बाल विकास समिति और प्रयास संस्था उदयपुर से भागीदारी की है।

हिन्दुस्तान ज़िंक के मुख्य कार्यकारी अधिकारी श्री सुनील दुग्गल ने कार्यक्रम के दौरान कहा कि विशेष योग्यजनों को समाज की मुख्यधारा से जोड़ने के लिये आगे आने की आवश्यकता है एवं प्रत्येक व्यक्ति इनके लिये समय निकाल कर इन्हें समाज का अभिन्न हिस्सा बनाने में अहम भूमिका निभाएँ। हिन्दुस्तान ज़िंक का जीवन तरंग कार्यक्रम इसी सोच को पूरी करने की पहल है।

करीब 400 मूक बधिर बच्चों के जीवन में सार्थक बदलाव एवं इनके लिये कार्यरत संस्थानों की दीर्घकालीन दृष्टि और रोडमैप विकसित करने के लिए नोयेडा डीफ सोसायटी के साथ भागीदारी की गयी है जिसके 4 स्थायी प्रशिक्षक भारतीय सांकेतिक भाषा सिखाएंगे। इस कार्यक्रम में सांकेतिक भाषा सिखाने वाले उन शिक्षकों को भी प्रशिक्षित किया जाएगा जो कि इस कोर्स को सिखाने में सक्षम हो सकेंगे। इस साझेदारी के माध्यम से यह सभी बच्चे सांकेतिक भाषा को सीख कर एवं कौशल विकास के जरिये व्यावसायिक और व्यक्तिगत क्षमता का गुणात्मक विकास कर समाज में सक्रिय योगदान दे सकेंगे।

10 जनवरी, 2017 को हिन्दुस्तान ज़िंक के 51वें स्थापना दिवस पर जीवन तरंग ज़िंक के संग कार्यक्रम की औपचारिक शुरुआत की गयी थी। इस पहल से विशेष योग्यजन बच्चे जो कि सुन बोल नहीं सकते, देख नहीं सकते या आम लोगों की तरह सोच समझ नहीं रखते, समाज के साथ समायोजित हो कर अपना जीवन जीने के लिये महत्वपूर्ण साबित होगा।

ज़िंक दिवस पर आयोजित कार्यक्रम में श्री अश्विन बजाज, निदेशक इन्वेस्टर रिलेशन्स वेदांता रिसोर्सेज, मुख्य वित्तीय अधिकारी – श्री अमिताभ गुप्ता, हेड प्रोजेक्ट – श्री नवीन सिंघल, मुख्य प्रचालन अधिकारी स्मेल्टर्स – श्री पंकज कुमार, मुख्य प्रचालन अधिकारी माईनिंग – श्री एलएस शेखावत, हेड

सीएसआर – श्रीमती नीलिमा खेतान, चीफ कॉमर्शियल ऑफिसर – श्री रामाकृष्णन काशीनाथ, पर्यावरण प्रमुख – श्री वी.जयरमन, उपवित्तीय अधिकारी – श्रीमती सोनल श्रीवास्तव सहित अधिकारी एवं कर्मचारीगण उपस्थित थे।

पेराएथलीट चैम्पियनशिप में गोल्ड विजेता भारतीय एथलीट श्री सुंदर सिंह गुर्जर ने 28 अगस्त, 2017 को इन विशेषयोग्यजन बच्चों से मिले और इनसे बातचीत कर इनका उत्साहवर्धन किया। सुंदर सिंह ने बच्चों का मनोबल बढ़ाया एवं कहा कि कठिन परिश्रम एवं लगन से लक्ष्य को प्राप्त किया जा सकता है। 19 से 22 साल की उम्र सभी के लिए उज्ज्वल भविष्य की कुंजी होती है। उन्होंने बच्चों को जोर डालते हुए कहा कि बच्चों को अपनी रुचि के अनुसार अपने कैरियर का चुनाव करना चाहिए। सुंदर सिंह गुर्जर ने फज्जा, दुबई में फरवरी 2017 में आयोजित 9वीं आईपीसी ग्रांड प्रीक्स में डिस्कस एवं शॉट पुट में 3 स्वर्ण पदक जीतकर विजेता रहे हैं। मार्च, 2017 में 3 नेशनल पैरा एथलेटिक्स चैम्पियनशिप में स्वर्ण पदक जीतकर भारत का नाम रोशन किया है। सुंदर सिंह जुलाई, 2017 में लंदन में आयोजित विश्व पैरा एथलेटिक्स चैम्पियनशिप में 60.36 मीटर की रस में भारत के एकमात्र स्वर्ण पदक विजेता रहे हैं।

"Zinda Hoon Mai"

*"Break the routine
and discover the
uniqueness in you",
Ashish Vidyarthi*

...an **Insight**
with
Ashish Vidyarthi

Mr. Ashish Vidyarthi's interaction was part of Hindustan Zinc initiative – "An Insight" – held at Hindustan Zinc Auditorium on 22nd September, 2017 in Udaipur.



"Zinda Hoon Mai" - Break the routine and discover new sides of yourself. Don't try to be like someone...Be an amazing version of the unique you", said Mr. Ashish Vidyarthi during his interaction with employees of Hindustan Zinc on 22nd September, 2017 at Hindustan Zinc Auditorium. Mr. Vidyarthi was in Udaipur to deliver a lecture under the initiative launched by Hindustan Zinc – "An Insight".

A versatile actor who has done more than 200 films in 12 languages has a unique style of presentation that made the entire 300 audience present in Hindustan Zinc auditorium, Udaipur spellbound. The art of interaction clubbed with change of expressions and body language made the interaction even more interesting and communicative.





During his interaction, Mr. Vidyarthi emphasized on not being afraid to make mistakes because mistakes help to learn and discover new aspects about oneself. His humorous anecdotes encouraged to look at the positive side of life and be grateful for what one has achieved. Mr. Vidyarthi pointed out that one should own their life and cherish the present.

There were many occasions when participants realized how daily routine of their life is impacting their happiness. "One has to believe that he is alive and has a purpose of being in this life", he said.

The interaction was webcast to reach out to all employees of Hindustan Zinc and also webcast live on Facebook page of the company. The interaction reached over 100,000 people including employees.

Mr. Sunil Duggal - CEO, HZL during the program said, "We often forget about living in the moment and usually focus on tomorrow. Live today and tomorrow would be lived. It is important for everyone to know that they have a purpose in life and that should be fulfilled."

Mr. Vidyarthi is winner of National Film Award, Filmfare Award and Star Screen Award. He is also Founder of the company Avid Miner, an enterprise that engages corporates and organizations with out-of-the-box interactive modules. ■■■



सबसे ज्यादा जरूरी है इंसान



नंदघर योजना के तहत अजमेर संभाग के खानपुरा और परबतपुरा के नंदघरों का लोकार्पण

कार्यक्रम की मुख्य अतिथि माननीया महिला एवं बाल विकास मंत्री श्रीमती अनिता भदेल द्वारा 31 जुलाई, 2017 को अजमेर संभाग के खानपुरा और परबतपुरा के नंदघरों का लोकार्पण किया गया।

“सरकार और वेदान्ता ने आधुनिक सुविधाओं युक्त नंदघरों का निर्माण तो कर दिया है। अब स्थानीय लोगों की भी जिम्मेदारी बनती है कि वे आगे आएँ और इस सुविधा का भरपूर लाभ उठाएँ। मैं सभी माताओं का आह्वान करती हूँ कि अगर अपने बच्चों को शिक्षा के लिए प्रेरित करती हैं और बच्चे उच्च शिक्षा प्राप्त कर लेते हैं तो उनके परिवार की अगली सात पीढ़ियों का उद्धार हो जाता है।” ये विचार श्रीमती अनिता भदेल ने नन्दघरों के उद्घाटन के अवसर व्यक्त किये। उन्होंने सार्वजनिक संपत्ति की देखभाल करने पर जोर देते हुए, 3 से 6 वर्ष के बच्चों को आंगनवाड़ी केंद्रों से जोड़कर शालापूर्व शिक्षा का लाभ उठाने के लिये प्रेरित किया।

खानपुरा एवं परबतपुरा में महिला एवं बाल विकास विभाग द्वारा संचालित आंगनवाड़ी केंद्र “नंदघरों” का अजमेर विकास प्राधिकरण द्वारा जीर्णोद्धार करवाया गया और हिंदुस्तान ज़िंक एवं ग्रामीण एवं सामाजिक विकास संस्था द्वारा इन केंद्रों पर “खुशी” बाल विकास परियोजना के तहत आंगनवाड़ी केंद्रों को बालसहज एवं सुविधाजनक बनाने के लिये आकर्षक चित्रकारी, सोलर सिस्टम, स्वच्छ पेयजल हेतु आर.ओ, बच्चों के लिये खिलौने आदि उपलब्ध करवाये गये।

हिन्दुस्तान ज़िंक की सी.एस.आर. हेड – श्रीमती नीलिमा खेतान ने नंदघर योजना के बारे में विस्तार से जानकारी दी। लोकार्पण समारोह में अजमेर के उपमहापौर – श्री संपत सांखला, उपनिदेशक महिला एवं बाल विकास विभाग – श्रीमती अनुपमा टेलर, बाल विकास परियोजना अधिकारी – श्री नीतेश यादव, महिला पर्यवेक्षक स्थानीय पार्षद – श्री रईस अहमद, आंगनवाड़ी कार्यकर्ता एवं स्थानीय जनसमुदाय के लोग उपस्थित थे।

इस कार्यक्रम में नन्दघर परियोजना के बारे में विस्तार से जानकारी के लिए आई.सी.डी.एस. पंतनगर के 6 अधिकारियों ने भी भाग लिया। ज्ञातव्य रहे कि वेदान्ता समूह वर्ल्ड क्लास संस्थाओं के साथ मिलकर पूरे देश में अब तक तीन राज्यों में 100 से अधिक नंदघरों का निर्माण हो चुका है।

को इंसान बनाना

— श्रीमती अनिता भदेल

उदयपुर में रवाँ गाँव में धावड़ीतलाई एवं रवाँ नंदघरों का उद्घाटन

कार्यक्रम की मुख्य अतिथि माननीया महिला एवं बाल विकास मंत्री श्रीमती अनिता भदेल ने उदयपुर में रवाँ गाँव में धावड़ीतलाई एवं रवाँ नंदघरों का 4 अगस्त, 2017 को उद्घाटन करते हुए अपने उद्बोधन में कहा कि सबसे ज्यादा जरूरी है इंसान को इंसान बनाना। उन्होंने बताया कि विगत 2-3 वर्षों में आंगनवाड़ी केन्द्रों में महत्वपूर्ण बदलाव आया है स्थानीय लोग तथा अभिभावक आंगनवाड़ी केन्द्रों की मूलभूत सुविधाएं देखें और अपने नौनिहालों को शिक्षा के लिए 'खुशी' आंगनवाड़ी केन्द्र जरूर भेजें। आंगनवाड़ी केन्द्र में शिक्षा के साथ-साथ पोष्टिक आहार भी मिलता है जिससे बच्चे कुपोषण से मुक्त होंगे और स्वस्थ रहेंगे। स्थानीय लोगों का आवाहन किया कि आंगनवाड़ी केन्द्रों की सुविधाओं का भरपूर लाभ उठाएं तथा माताएं अपने बच्चों के भविष्य को उज्ज्वल बनाने के लिए शिक्षा जरूर दिलायें। आंगनवाड़ी कार्यकर्ताओं को भी जोर देकर कहा कि आंगनवाड़ी कार्यकर्ता यशोदा बनकर बच्चों की बालकृष्ण की तरह देखभाल करें तथा सुनिश्चित करें कि बच्चे नियमित केन्द्र पर आयें। उन्होंने बताया कि सरकार आंगनवाड़ी केन्द्रों को नंदघर में परिवर्तित करना चाहती है जिससे बच्चों को ज्यादा से ज्यादा सुविधाएं मिल सकें।

लोकार्पण समारोह में हिन्दुस्तान ज़िंक की सी.एस.आर. हेड — श्रीमती नीलिमा खेतान, ग्रामीण विधायक श्री फूल सिंह मीणा, जिला प्रमुख श्री शांति लाल मेघवाल, गिरवा पंचायत समिति के प्रधान श्री तख्त सिंह शक्तावत तथा हिन्दुस्तान ज़िंक मजदूर संघ के महामंत्री श्री लालू राम ने भी अपने विचार व्यक्त किये। इस अवसर पर सरपंच पार्वती मीणा, उपनिदेशक महिला एवं बाल विकास श्रीमती तरुण सुराणा, गिरवा पंचायत समिति के विकास अधिकारी, सेवा मंदिर की मुख्य कार्यकारी अधिकारी श्रीमती प्रियंका, हिन्दुस्तान ज़िंक के सीएसआर अधिकारी, सेवा मंदिर के प्रतिनिधि आंगनवाड़ी कार्यकर्ता एवं स्थानीय जनसमुदाय के लोग उपस्थित रहे।

हिन्दुस्तान ज़िंक की "खुशी" परियोजना के तहत सराड़ा ब्लॉक के 318 आंगनवाड़ी केन्द्र शामिल

इस अवसर पर माननीया महिला एवं बाल विकास मंत्री श्रीमती अनिता भदेल ने कहा कि सभी सराड़ा ब्लॉक के आंगनवाड़ी केन्द्रों को 'खुशी' परियोजना से जुड़ने से यहां के ग्रामीण बच्चे लाभान्वित होंगे। हम आशा करते हैं कि गिरवा ब्लॉक की तरह सराड़ा ब्लॉक में भी नंदघर योजना को क्रियान्वित किया जाए। इस अवसर पर जिला प्रमुख श्री शांति लाल मेघवाल, सलूमबर के विधायक श्री अमृत लाल मीणा, सराड़ा पंचायत समिति के प्रधान श्री मोहन खराड़ी, सराड़ा के तहसीलदार एवं सराड़ा पंचायत समिति के विकास अधिकारी, हिन्दुस्तान ज़िंक एवं सेवा मंदिर के अधिकारी एवं स्थानीय लोग उपस्थित रहे।

उल्लेखनीय है कि हिन्दुस्तान ज़िंक ने राजस्थान सरकार से उदयपुर, राजसमंद, चित्तौड़गढ़, भीलवाड़ा एवं अजमेर जिलों की 3089 आंगनवाड़ियों के 6 वर्ष से कम की आयु के ग्रामीण बच्चों को आवश्यक सुविधाएं देने के लिए गोद लिया।

- खानपुरा एवं परबतपुरा में महिला एवं बाल विकास विभाग द्वारा संचालित आंगनवाड़ी केंद्र "नंदघर" का लोकार्पण
- गिरवा ब्लॉक में दो नंदघरों का उद्घाटन एवं सराड़ा ब्लॉक के 318 आंगनवाड़ी केन्द्र 'खुशी' में शामिल
- हिन्दुस्तान ज़िंक व राजस्थान सरकार 3089 आंगनवाड़ी केन्द्रों के सुदृढ़ीकरण के लिए कटिबद्ध।
- उदयपुर में अब तक 1335 में से 1157 आंगनवाड़ी केन्द्र हो चुके हैं 'खुशी' में शामिल
- उदयपुर में अब तक 20 नंदघरों का एवं देश में 100 से अधिक नंदघरों का निर्माण





हिन्दुस्तान जिंक यशद भवन में ग्रीन बिल्डिंग जागरुकता सत्र आयोजित

राजस्थान की एकमात्र सीआईआई-आईजीबीसी
प्लेटीनम रेटिंग ग्रीन बिल्डिंग

हिन्दुस्तान जिंक के यशद भवन में हिन्दुस्तान जिंक एवं इण्डियन ग्रीन बिल्डिंग काउंसिल सीआईआई हैदराबाद द्वारा 15 सितंबर, 2017 को जागरुकता सत्र आयोजित किया गया, जिसका उद्देश्य राजस्थान में ग्रीन बिल्डिंग हेतु जागरुकता लाना है। वेदान्ता समूह की कंपनी हिन्दुस्तान जिंक का यशद भवन कन्फेडरेशन ऑफ इण्डिया द्वारा आईजीबीसी ग्रीन एग्जिस्टिंग बिल्डिंग्स रेटिंग के लिए प्लेटीनम रेटिंग अवार्ड से सम्मानित है। यह भवन हरा-भरा, जल क्षमता, ऊर्जा दक्षता, नवाचार, स्वस्थ एवं स्वच्छ वातावरण, उत्कृष्ट प्रबन्धन एवं सुविधा युक्त है।

इस जागरुकता सत्र में मुख्य अतिथि नगर निगम के महापौर श्री चंद्र सिंह कोठारी ने हरित पर्यावरण की आवश्यकता और महत्व पर प्रकाश डालते हुए सरकार द्वारा इस हेतु चलाये जा रहे अभियान और योजनाओं की जानकारी दी। उन्होंने हिन्दुस्तान जिंक को बधाई देते हुए कहा कि उदयपुर को स्मार्ट सिटी बनाने के लिये कम्पनी का बहुत बड़ा योगदान रहा है। उन्होंने सभी का आवाहन करते हुए कहा कि स्मार्ट सिटी बनाने के लिये आमजन का सहयोग आवश्यक है। उदयपुर नगर निगम, सौर ऊर्जा को बढ़ावा देने के लिये सरकार द्वारा तय 30 प्रतिशत सब्सिडी के अतिरिक्त 10 प्रतिशत सब्सिडी दे रहा है जिसका सभी को लाभ लेना चाहिए ताकि सिमित संसाधनों का संरक्षण एवं विकल्प उपयोग में लिया जा सके।

हिन्दुस्तान जिंक के हेड कार्पोरेट अफेयर्स श्री प्रवीण जैन ने यशद भवन को सीआईआई-आईजीबीसी द्वारा सम्मानित करने के पहलुओं और पर्यावरण एवं अनुकूल वातावरण हेतु उठाए गये कदमों के बारे में जानकारी दी।

हिन्दुस्तान जिंक के प्रधान कार्यालय को पूर्णरूप से ग्रीन बेल्ट के रूप में विकसित किया गया है और यह सौर ऊर्जा से संचालित है। हिन्दुस्तान जिंक के सभी परिसर एवं संयंत्रों में 13 लाख से अधिक वृक्षारोपण हैं। हिन्दुस्तान जिंक भारत का एकमात्र एवं दुनिया का अग्रणी जस्ता-सीसा एवं चांदी उत्पादक कंपनी है जिसे सीआईआई-आईजीबीसी ने इस सम्मान से नवाज़ा है।

वर्तमान में भारत में 4.66 अरब वर्ग फुट में 4,200 से ज्यादा बिल्डिंग आईजीबीसी में पंजीकृत हैं जो कि विश्व में दूसरा सबसे बड़ा स्थान रखता है।

हिन्दुस्तान जिंक सौर ऊर्जा परियोजना विस्तार के तहत 115 मेगावाट के प्लांट लगाने जा रहा है, जिसमें से 12 मेगावाट देबारी स्मेल्टर एवं 4 मेगावाट के प्लांट राजपुरा दरीबा कॉम्प्लेक्स में स्थापित किये जा चुके हैं।

उल्लेखनीय है हिन्दुस्तान जिंक के यशद भवन में इस परियोजना के तहत 27 प्रतिशत ऊर्जा की तथा 37 प्रतिशत पानी की बचत हुई है। भवन के अंदर ताजा हवा के लिए वेंटिलेशन सिस्टम स्थापित किया गया है। 100 किलोवाट अक्षय ऊर्जा की स्थापना की गई जिससे 162,000 यूनिट प्रतिवर्ष ऊर्जा पैदा हो रही है। ऊर्जा निष्पादन के ट्रेक नियंत्रण के लिए ऑनलाइन व्यवस्था है। भवन की सभी जगह बिजली, यूपीएस, वातानुकूलित, बाहरी बिजली उपकरणों सहित वाटर रिकार्ड के लिए मीटर्स स्थापित किये गये हैं।

हिन्दुस्तान जिंक ने राजस्थान सरकार के साथ 20 एम.एल.डी क्षमता वाले पहला प्राइवेट-पब्लिक पार्टनरशिप सीवेज ट्रीटमेंट प्लांट स्थापित किया है जो कि उदयपुर को स्मार्ट सिटी बनाने के प्रयास में महत्वपूर्ण साबित हो रहा है। हिन्दुस्तान जिंक द्वारा अब 20 एम.एल.डी से बढ़ाकर इसकी क्षमता 60 एम.एल.डी की जा रही है। जिससे उदयपुर की झीलों में मल का प्रवाह कम होने लगा है तथा झीलों की सुन्दरता में भी प्रभाव दिखने लगा है।

हिन्दुस्तान जिंक को खनन एवं धातु क्षेत्र में उत्कृष्ट कार्य के लिए विश्व प्रसिद्ध प्रतिष्ठित संस्था डॉव जोन्स सरस्टेनेबिलिटी इंडेक्स द्वारा किये गये मूल्यांकन के आधार पर 58 कंपनियों में से 82 प्रतिशत अंकों के साथ विश्व स्तर पर 11वां स्थान मिला है।

कार्यक्रम में यूसीसीआई के अध्यक्ष — श्री हंसराज चौधरी, आर्किटेक्ट — श्री अभिषेक पटेल, शहर के जाने माने डेवलपर्स, आर्किटेक्ट्स, कान्ट्रेक्टर्स, ग्रीन प्रोडक्ट मेन्यूफैक्चर्स, सरकारी अधिकारी एवं शैक्षिक संस्थान के प्रतिनिधि उपस्थित थे।



MEAI NATIONAL SEMINAR

Hindustan Zinc was part of National Seminar - Recent Mining & Environmental Issues in India organized from 7th - 9th July, 2017 at Udaipur by Mining Engineers' Association of India (MEAI) in association with CTAE, Udaipur. The key dignitaries attended the event were Mr. Arun Kumar - Secretary (Mines), Government of India, Mr. Surendra Pal Singh TT - Hon'ble Mines Minister, Rajasthan. Mr. Sunil Duggal - CEO, HZL was Guest of Honor during



inaugural function and addressed the audience on mining industries & its challenges. Mr. L.S. Shekhawat - COO, Mines also delivered his address during the valedictory function. On this occasion, Mr. S.K. Vashisth and Mr. Bharat Dave also displayed exhibition on HZL's operations, exploration & safety.

264 ANGANWADI CENTRES IN KOTRA TEHSIL JOIN "KHUSHI"



Hindustan Zinc is reaching out to 3089 Anganwadi Centres of the ICDS Department in 5 districts of Rajasthan i.e. Udaipur, Rajsamand, Chittorgarh, Bhilwara and Ajmer.

Under “Khushi” project, Hindustan Zinc has reached out to 2,295 Anganwadi centres in 5 districts of Rajasthan in phase 1. As part of Phase 2, on 29th June, 2017, Hindustan Zinc with partner NGO have included 264 Anganwadi Centres in Kotra Tehsil of Udaipur district and this year, the company will be covering more than 760 Anganwadi Centres in Udaipur district of Rajasthan. The Chief Guest of the event was Ms. Taru Surana – Dy. Director, ICDS, Udaipur District who unveiled “Khushi” Board to initiate the program. During the program, Ms. Taru said “Anganwadi program will be strengthened with the intervention of Hindustan Zinc to improve attendance, health and the well-being of Anganwadi children.”

**WE SCORE
GLOBALLY**

HINDUSTAN ZINC RANKED 11TH GLOBALLY BY DOW JONES SUSTAINABILITY INDEX

Hindustan Zinc has been ranked 11th globally with percentile score of 82 out of 58 companies assessed in Dow Jones Sustainability Index (DJSI), in the Industry Group - Mining and Metal. The assessed companies globally were Newmont, Teck, Barrick Gold, Anglo American, Rio Tinto, Kinross Gold BHP Biliton, etc. DJSI is a globally renowned organization who assess & benchmarks the companies on Sustainability. Hindustan Zinc was considered for the first time for Dow Jones Sustainability Index (DJSI) by invitation. The selection and invitation at Global Level is done on the basis of Sustainability initiatives of the organizations. The assessment & benchmarking is on three dimensions viz. Economic, Environmental and Social. In the environmental dimension, Hindustan Zinc is ranked 3rd with a percentile of 96, ranked at 14th with 77 percentile in social dimension and in Economic dimension, at 15th position with 75 percentile.

HINDUSTAN ZINC RANKED 20TH UNDER RESPONSIBLE BUSINESS RANKINGS-2017

In the recent survey conducted by Economic Times and IIM, Udaipur on CSR & Sustainability for Responsible Business Ranking, Hindustan Zinc has been ranked 20th across India in all companies sector. Hindustan Zinc improved ranking from Rank 50 last year to 20 this year. The ranking is based on the activities undertaken by Hindustan Zinc in the areas of CSR and Sustainability during the year 2015-16. Besides, tremendous focus on safety, care for environment and health, flagship program, Sakhi on economic empowerment of rural women also played crucial role in this ranking. The study looked at top 220 companies to arrive at these ranking. It covers diverse industries such as automobiles, banks, FMCG, infrastructure, information technology, metals and mining, oil, power, steel, pharmaceuticals, telecommunications and others.

HINDUSTAN ZINC RECEIVED SUSTAINABLE PLUS PLATINUM LABEL 2016

Hindustan Zinc has been recognized with Sustainable Plus Platinum Label (A rating) by CII. Hindustan Zinc is amongst 100 companies who were analyzed on Environment, Social and Governance (ESG) parameters and based on the scores, company has received Sustainable Plus Platinum Label. Mahindra & Mahindra and Ambuja Cement are few other companies who received the Platinum Label 2016. Sustainable Plus, Corporate Sustainable Label is CII's initiative to provide a brand identity tool to companies to communicate various stakeholders about being a sustainable company.

HINDUSTAN ZINC RANKED GLOBALLY 14TH IN TOP 25 METALS & MINING COMPANIES BY S&P MARKETING INTELLIGENCE

Hindustan Zinc has been ranked 14th in Top 25 Metals & Mining Companies by S&P Marketing Intelligence, as per market capitalization on 31st July, 2017. This is a jump from 20th position in 2016 to current position of 14th.

HINDUSTAN ZINC - TOP 3 EMERGING MARKET MINING COMPANIES, GLOBALLY BY FRONTERA

Hindustan Zinc is in Top 3 Emerging Market Mining Companies, globally. As per Frontera News, Global Business News & Analysis Provider and Research & Intelligence Marketplace, 40% of the world's largest mining companies are now in emerging markets and Hindustan Zinc, world's second largest Zinc producer is among the top 5 largest emerging market mining stocks.



Hindustan Zinc received Safety Innovation Award 2017

Hindustan Zinc has been awarded with Safety Innovation Award 2017 by Institution of Engineers (India), Delhi State Chapter. About 40 companies from different sectors - constructions, oil & gas, power plant, manufacturing, food & beverages, etc. participated for the award. On behalf of Hindustan Zinc, the award was received by Mr. Aditya Singh and Mr. Balchand Patidar on 4th September, 2017 during the Safety Convention - 2017 at New Delhi.

Solar Innovation & Excellence Award to ZSD

Zinc Smelter Debari received Solar Innovation & Excellence Award during 2nd Annual Conference-Expo-Awards - Roadmap for Innovations in Solar Energy 2017 (RISE 2017) of 12 MW Debari Solar Power Project. The award was presented by Mr. Ashwin Kumar Khatri - Director, General of Mission Energy Foundation in a ceremony held in Delhi on 21st July, 2017. On behalf of Hindustan Zinc, Mr. Vishnu Khandelwal - Team Lead, Renewable & CDM and Mr. R.L. Sharma - Electrical Head, ZSD received the award.



Zawar IBU accorded Chairman Award – Runner up for Q1 2017-18 performance

Zawar Mines has been awarded as the runner up of the Chairman Business Award. This is the result of continuous improvement in operational efficiency, safety, production and COP by implementation of several Kaizen, improvement initiatives and commitment of employees and contract workers in delivering performance excellence. Zawar is Integrated Management System certified location for ISO 9001, ISO 14001, OHSAS 18001 and SA 8000.

हिन्दुस्तान जिंक को राज्य स्तरीय भामाशाह पुरस्कार

हिन्दुस्तान जिंक की चंदेरिया लेड जिंक स्मेल्टर, रामपुरा आगुचा माईन्स, दरीबा स्मेल्टर एवं देबारी स्मेल्टर को वर्ष 2016-17 में शिक्षा के क्षेत्र में उल्लेखनीय योगदान के लिए 28 जून, 2017 को बिड़ला ऑडिटोरियम जयपुर में आयोजित राज्य स्तरीय 23वें भामाशाह सम्मान समारोह में पुरस्कृत किया गया।

समारोह में मुख्यमंत्री – माननीया श्रीमती वसुंधरा राजे, उच्च शिक्षा एवं संस्कृत मंत्री – श्रीमती किरण माहेश्वरी और शिक्षा राज्य मंत्री – प्रो. वासुदेव देवनानी ने यह पुरस्कार शैक्षिक उन्नयन के लिये इकाईयों के योगदान हेतु प्रदान किया।



Global Sustainability Award 2017 to Kayad Mine

Kayad Mine won Global Sustainability Award 2017 under Gold category. The award was presented during 8th World Renewable Energy Technology Congress & Expo-2017 held at Convention Centre - NDCC, Parliament Street, New Delhi on 23rd August, 2017. An eminent jury from Energy and Environment Foundation, New Delhi, supported by Renewable Energy, Ministry of Environment and Forest, Government of India presented the award. On behalf of Hindustan Zinc, Mr. B.S. Rathore - Unit Head, Kayad Mine received the award.



ज़िंक नगर में सड़क सुरक्षा पर हितधारकों की कार्यशाला आयोजित



9 सितम्बर, 2017 को हिन्दुस्तान ज़िंक द्वारा प्रायोजित, ऑल इण्डिया फेडरेशन ऑफ मोटर व्हीकल डिपार्टमेंट, आर.पी.एन.एस. की राजस्थान सड़क सुरक्षा सोसायटी द्वारा चलाए जा रहे राजस्थान सड़क सुरक्षा एवं जागृति मिशन के अन्तर्गत ज़िंक नगर में सड़क सुरक्षा से जुड़े सभी हितधारक विभागों, संस्थाओं की कार्यशाला आयोजित की गई। कार्यशाला में स्वच्छ, स्वस्थ और सुरक्षित वाहन संचालन पर जानकारी दी गयी एवं प्रतिज्ञा ली कि सड़क, वाहन और उपयोगकर्ता सुरक्षित रहें, वाहन व वाहन चालक फिट रहें साथ ही सड़क भी स्वच्छ और सुरक्षित हो।

इस कार्यशाला में भारत सरकार के सड़क सुरक्षा एवं प्रवर्तन के तकनीकी सलाहकार श्री वीरेन्द्र सिंह राठौड़ ने प्रस्तुतीकरण देते हुए देश, राज्य एवं चित्तौड़गढ़ जिले की सड़क दुर्घटनाओं की स्थिति को बताते हुए वर्ष 2020 तक सड़क दुर्घटनाओं में होने वाली मौतों में 50 प्रतिशत की कमी लाने के लिए सभी हितधारकों को एक विशेष कार्ययोजना के तहत समग्र प्रयास हेतु आवाहन किया।

कार्यक्रम में चंदेरिया लेड ज़िंक स्मेल्टर के साईट प्रेसिडेंट श्री राजेश कुण्डु ने कहा कि हिन्दुस्तान ज़िंक कार्यस्थल, घर और सड़क सुरक्षा के प्रति कटिबद्ध है। उन्होंने कहा कि सुरक्षा को मानसिक तौर पर व्यवहार में लाने के लिये अमल करना होगा। हिन्दुस्तान ज़िंक की प्रत्येक ईकाई में सुरक्षा के प्रति विशेष सावधानी बरती जाती है। हिन्दुस्तान ज़िंक का प्रत्येक कर्मचारी सुरक्षा के पालन हेतु ब्रण्ड एम्बेसेडर है।

हिन्दुस्तान ज़िंक के बिईंग सेफ प्रोजेक्ट के माध्यम से अब तक करीब द्वाइ हजार से अधिक बच्चों और परिजनों को शॉर्ट फिल्म, प्रजेन्टेशन और कहानी के माध्यम से स्वयं और परिवार को सुरक्षित रखने की जानकारी दी जा रही है। हिन्दुस्तान ज़िंक के इस प्रोजेक्ट का उद्देश्य सड़क, घर या कार्यस्थल हर स्थान पर सुरक्षित रहने हेतु जागरूक करना है जिससे परिजनों और बच्चों के स्वयं के मन में सुरक्षा के लिये कटिबद्धता उत्पन्न हो।

हिन्दुस्तान ज़िंक के प्रयोजन से जुलाई, 2013 से आधुनिक उपकरणों से सुसज्जित रोड सेफटी मोबाईल वेन मय टीम के माध्यम से राज्य के रिमोट एरिये में चलाया जा रहा है जिसके तहत जुलाई 2017 तक 2029 कार्यक्रमों के माध्यम से 2.75 लाख लोगों को सड़क सुरक्षा के प्रति शिक्षित एवं जागरूक किया जा चुका है। मिशन राजस्थान के तहत 5 जिलों उदयपुर, चित्तौड़गढ़, भीलवाड़ा, राजसमंद, और अजमेर में यह कार्यक्रम चलाया जा रहा है। इस कार्यक्रम से पूर्व कपासन चौराहे एवं कलेक्ट्रेट चौराहे पर एक-एक घण्टे का सुबह-शाम बेसलाईन सर्वे किया गया।

इस दौरान इस कार्यशाला में दिल्ली से आए सेल्ट्रिस टेक इण्डिया प्राइवेट लिमिटेड कम्पनी के डायरेक्टर श्री हर्ष अरोड़ा ने स्कूली बच्चों के सुरक्षित परिवहन पर एक मोबाईल एप पर प्रस्तुतीकरण दिया।

कार्यक्रम को उपपुलिस अधीक्षक श्री गजेन्द्र सिंह जोधा, उप पुलिस अधीक्षक गंगारार श्री भंवर रणधीर सिंह, उप पुलिस अधीक्षक भदेसर श्री गोपाल दास रामावत, परिवहन उपआयुक्त सड़क सुरक्षा प्रकोष्ठ राजस्थान श्री अनिल जैन, अतिरिक्त प्रादेशिक परिवहन अधिकारी श्री प्रकाश सिंह राठौड़, उपखण्ड अधिकारी श्री सुरेश चंद्र, अधीक्षण अभियंता श्री सुरेश जोशी ने संबोधित कर सड़क सुरक्षा पर समग्र प्रयास से इस मिशन को आगे बढ़ाते हुए सड़क दुर्घटनाओं को कम करने के लक्ष्य को पूरा करने का आवाहन किया। कार्यक्रम में हिन्दुस्तान ज़िंक चंदेरिया लेड ज़िंक स्मेल्टर के हेड पॉवर बिजनेस श्री राजेन्द्र सिंह आहूजा, हेड सेफटी श्री आदित्य सिंह, हेड कामर्शियल श्री आशीष जैन, पर्यावरण विभाग के श्री आनंद द्विवेदी, सीएसआर विभाग से निशा मित्तल, डॉ विनोद राय, डॉ सोनिया जैन, उपाध्यक्ष मजदूर संघ श्री एस.के. मौड़, श्री जीएनएस चौहान, श्री रणजीत सिंह भाटी, बार कौंसिल के श्री रूप सिंह राणावत सहित सभी थानाधिकारी, एनसीसी, एनएसएस, एनजीओ, हिन्द ज़िंक स्कूल के अध्यापक एवं विद्यार्थी, पंचायत समितियों के प्रतिनिधि, शिक्षा संबंध विद्यालयों के प्रधानाचार्य उपस्थित थे।

Tailing Dam Break Analysis Study at RAM

Tailing Dam Break Analysis Study was initiated through M/s SRK Consultants at Rampura Agucha Mines in July, 2017. This study establishes a risk evaluation system which is based on the Tailing Dam Failure Probability Analysis and Dam Failing Consequence Assessment.

Traffic Awareness Session at RDC

Traffic Awareness Session was conducted on 26th & 27th August, 2017 at Rajpura Dariba Complex for external drivers. The training was given by Jaipur Seva Foundation.

VSAP Chaupal at CSC

VSAP Awareness Chaupal was conducted at Chanderiya Smelting Complex for contract workers that started with brief introduction about VSF and VSAP and the need of it. This is a two-way communication where day to day activities for improving safety and sustainability were discussed and rewarded. Also, suggestions were invited from contract workers to improve safety and sustainability at workplace.

Safety Town Hall at Zawar Mines

Hindustan Zinc has a culture of monthly Town Halls wherein all contract workers and employees come together on a common platform to share their thoughts and concerns with each other. Safety Town Hall is an effective medium to cultivate a safety conscious culture. Safety Town Hall at Zawar Mines was



organized on 27th July, 2017. Mr. Sunil Duggal - CEO, HZL addressed about 700 employees & families and contract workers. The program started with safety contact & briefing and the event was chaired by Site President - Mr. P.S. Jaitawat where emphasis of the session was laid on both on-site & off-site safety. The Town Hall was an interactive session wherein employees asked questions and gave suggestions towards improving safety. Mr. Sunil Duggal – CEO, HZL responded to all queries during the program and senior management of Zawar assured to resolve the queries at the earliest.

Online Safety Awareness Test at HZL

Three Online Safety Awareness Tests were conducted on defensive driving, safety interaction and hand tools to raise awareness and ensure the compliance of the same at Hindustan Zinc.

Awareness Session on WASH at PMP

An awareness session was conducted on WASH for the employees and contract supervisors at Pantnagar Metal Plant. The faculty of the program was Mr. R.J. Parmar - Environment Head.

12th CII Sustainability Summit attended by HZL

CII has organized 12th Sustainability Summit: 2030 Agenda: Driving Inclusive Growth on 6th & 7th September, 2017 at New Delhi. The agenda was to deep dive on achieving Sustainable Development Goals by 2030. The Summit was attended by 6 HZL Sustainability professionals.

Abnormality Campaign at RDC

Abnormality Campaign has been launched for improving safety & 5S at Rajpura Dariba Complex. It is a platform where team can identify and close the abnormalities in their work area related to minor flaws, basic condition not fulfilled, inaccessible places, sources of contamination, sources of quality defects, unnecessary items and unsafe places.

Monthly Safety Themes at HZL

Improvement initiatives, training and awareness campaign were conducted at all units under Monthly Safety Themes. The themes were Vehicle & Driving in July, 2017, Electrical in August, 2017 and Work at Height in September, 2017. To strengthen the knowledge and to create awareness among employees, various competitions like poster making, slogan making, poem recitation, etc. were conducted across all Units.

News Digest...

- ◆ Mist Evaporator has been installed at Solar Evaporation Pond at Chanderiya Smelting Complex for enhancing the rate of evaporation of reject water.
- ◆ Vibration & Noise study was conducted for HEMM operator by M/s Sure Safety India Pvt. Ltd, Vadodara in July, 2017 at Kayad Mine.
- ◆ First Aid Training was conducted at Sindesar Khurd Mine by Dr. R.C. Mehta - Red Cross.
- ◆ Third Part Safety Audit on Permit to Work was conducted by M/s ORYX for all locations in July, 2017. Actions are under progress for compliance to the recommendations given during the Audit.

Information Security Awareness at Zawar Mines and SKM

As part of Information Security initiative - Utkraman, Information Security Awareness Session was conducted by Mr. Nelson Yaragal at Zawar Mines. Various topics such as information security management systems, user responsibilities and preventive measures were discussed during the session.



Training program on Information Security Awareness was conducted at Sindesar Khurd Mine on 10th July, 2017. About 20 employees attended the program and faculties were Mr. Mites from Deloitte and Ms. Megha Vyas.

HZL Geotech Community Meet at Zawar Mines

HZL Geotech Community Meet was organized at Zawar Mines on 15th July, 2017. It was 6th Geotech Community Meet in the series. Geotech engineers of Zawar Mines, Rajpura Dariba Mine, Sindesar Khurd Mine, Rampura Agucha Mines and Kayad Mine participated in the meet. It was chaired by Mr. Rajeev Shrimali - Head Operations, Zawar Mines and subject matter experts were Mr. Hakan Urcan and Mr. Subratta Dutta from CDC, Head Office. Mr. D.C. Paneri - Head Geotech, Zawar Mines welcomed the participants. The objective of meet was to share the geo-technical issues at each mine and their solutions while sharing best practices across the mines.

We Appreciate Scheme at Zawar Mines

We Appreciate Scheme has been launched at Zawar Mines to provide on-spot recognition to employees who have shown extra-ordinary effort towards meeting targets, contributed ideas and have gone beyond the call of duty. The scheme aims at motivating and building an engaged and positive culture among employees.

Town Hall Meeting at RAM and DSC

On 20th July, 2017, Town Hall Meeting was conducted at Rampura Agucha Underground Mine for Quarter-1 wherein Unit Head addressed all the employees and business partners to improve transparency and to engage entire workforce in achieving common business goal. IBU Communication cell also shared monthly Safety Theme of 'Vehicle & Driving' during



the discussion and participants were made aware about the theme. Awareness session was also supported by theme based quiz followed by prizes distribution.

Town Hall Meeting at Rampura Agucha Open cast Mine for Quarter-1 was conducted on 26th July, 2017. Around 120 employees participated. Mr. Vinod Kumar - Unit Head welcomed everyone at Town Hall Meeting and started the session with safety briefing along with the safety video on 'Power of Water' which has safety message. In continuation to this, he also shared views on the safety statistics, safety training, VSAP and Highlights of Q1 FY 2017-18.



Town Hall Meeting was conducted on 22nd July, 2017 at Dariba Smelting Complex. Mr. Deepak Sopori – Unit Head, DSC highlighted the Performance in Q1 and Targets in Q2 in terms of Safety, Cathode Production & COP. Performance and achievement of CPP were delivered by Mr. Manoj Agarwal - Head CPP.

Mine Activation Workshop at Zawar Mines

A Mine Activation Workshop was organized at Zawar Mines with HZL and McKinsey Senior Management. The workshop was highly comprehensive and saw active participation from the participants. Mr. P.S. Jaitawat - Site President, senior management and employees from various departments participated in the workshop.

Amravati Galvanizing Seminar

Amravati Galvanizing Seminar was organized on 8th September, 2017 at Vijaywada, which seats the top bureaucrats of Amravati – the new capital of Andhra Pradesh. The seminar aimed to create awareness about benefits of Galvanization among the key decision-makers in the Amravati City Project and other relevant Govt. departments. It saw participation from more than 40 participants of the Andhra Pradesh Capital Region Development Authority (APCRDA) officials, chiefly the Superintending Engineers from Infrastructure, Establishment & Housing and Boarding departments.

The seminar began with the basics of corrosion and how it over the time causes a loss in strength and may translate to harm towards public life and property. The discussion then moved towards Galvanization, how it is superior to other corrosion protection methods and its scope and applications in a Smart City by comparing with examples from other global Smart Cities.

LTMS Up-skilling Program at Zawar Mines

The LTMS Up-skilling Program (Master Trainer Development) for Jumbo Operators, Solo Operators and LHD Operators was conducted at Zawar Mines to provide skill development training to critical job roles. The first phase of the program has been successfully completed. The process consisted of identifying the most suitable candidates, imparting operational training that is required to bring them to a recognized Master Trainer standard. The training covered topics such as world's best practices, procedures, risk assessment, reporting and how to conduct training.

Training on Fork Lift and Hydra Safety Driving at HZP

A training program was conducted on Fork Lift and Hydra Safety Driving for the employees at Haridwar Zinc Plant on 24th August, 2017.



Workplace Education and Awareness Session on 'HIV – AIDS : Causes & Precautions' at Zawar Mines

A HIV-AIDS awareness session was conducted by Dr. C.S. Mishra at Zawar Mines. The session aimed to help participants develop insight on HIV/AIDS, causes & precautions and how they can assist in creating safe work environment.

Training on Permit to Work at HZP

A training program on Permit to Work was conducted on 12th August, 2017 at Haridwar Zinc Plant. 8 participants attended the training program. The objective of program was to ensure that work is done safely and efficiently.

Training on Self-Audit and Management Audit at Zawar Mines

5S training was conducted at Zawar Mines on 18th August, 2017. 5S represents systematic approach for productivity, quality and safety improvement for any business. The session highlighted areas that can be improved and guidelines on how to sustain the right behaviour.

MEAI - Udaipur Chapter's Annual General Body Meeting

Mr. L.S. Shekhawat - COO Mines, HZL was invited as Chief Guest during 19th Annual General Meeting of the Mining Engineers association of India (MEAI), Udaipur Chapter on 8th August, 2017. Mr. Shekhawat addressed the large gathering on the occasion on latest trends in mining advances globally and way forward to Indian mining industry. He also highlighted HZL's key achievements in skill-sector development through unique initiatives while encouraging young engineers and entrepreneurs for the opportunity offered to contribute in Hon'ble Prime Minister's, Make in India program. MEAI



felicitated Mr. Shekhawat on behalf of Hindustan Zinc for generously supporting MEAI in all its activities besides unique support during recent National Seminar on 'Recent Mining & Environmental Issue in India'. Mr. S.K. Vashisth - AGM (Geology) also expressed his view on the current scenario of mining post MMDRA-2015 and way forward for addressing mining issues particularly using MEAI's core strengths in mining.

Training on LOTO at HZP

A training program on LOTO was conducted on 12th August, 2017 at Haridwar Zinc Plant. The engineers from Vaaman, contractors, supervisors and employees were present during the program. This session was followed by demo at site.

Awareness Session on Sexual Harassment of Women at Workplace at Zawar Mines

On 11th July, 2017, Mrs. Suma Poduval - Chairperson of Internal Complaints Committee, HZL took a session on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal Act) for all female employees at Zawar Mines.

An Open Forum - Aapki Aawaz at PMP

An Open Forum - Aapki Aawaz for August month was conducted on 26th August, 2017 at Pantnagar Metal Plant. This is a common platform where employees shares their day to day issues with the senior management. Suggestions and ideas for improvements were also discussed and workers were rewarded and recognized for their efforts in August month.



Training on Spill Safety at PMP

A safety session was conducted on Spill Kit on 28th August, 2017 by Safety Head - Mr. Dharendra Azad at Pantnagar Metal Plant. The objective of program was to provide the technical knowledge on how to handle the chemicals.

Training on Fire Fighting at RAM

Training on Fire Fighting was imparted by Delhi Institute of Fire Engineering, DIFE at Rampura Agucha Mines. It was scheduled in two batches for 3 days each from 31st July - 5th August, 2017. It covered about 70 employees and contract workers. Live demonstration on how to escape in case of fire with smoke generator was also included in training schedule.

Awareness Session on Safety at HZP

Awareness Safety Session was conducted for the contract employees at Haridwar Zinc Plant on 14th August, 2017. The topics covered were all SOPs, PPEs, life saving rules and work related safety.

URJA Initiative at RDC

To recognize appreciable actions on-the-spot, URJA scheme allows Line Managers to give on-spot recognition to their team members with an URJA card and the same can be instantly redeemed for a book. URJA is working as a step towards not only creating a culture of positive workplace motivation but also nurturing knowledge-sharing by promotion of quality reading.

Training on SAP Module at PMP

Training was imparted on SAP Module on 22nd August, 2017 at Pantnagar Metal Plant where 25 employees attended the program. The objective of program was to create awareness and discussions regarding new innovative ideas in SAP.

Also, GST session was organized for the commercial team. The faculty of the program was Mr. K.S. Sardalia - Head SAP.



Training on First Aid at PMP

Training on First Aid for all contractual employees was conducted on 19th August, 2017 at Pantnagar Metal Plant. The objective of program was to encourage the activities to be undertaken that prevent injuries and also to understand the importance of basic hygiene in First Aid procedures.

Training on Work at Height at HZP

Training on Work at Height was conducted at Haridwar Zinc Plant on 26th August, 2017. The session was followed by demo at site.

STAR Workshop at CSC

The first workshop for STARs of Chanderiya Smelting Complex was organized on 19th August, 2017 covering 24 employees under the program. The objective of workshop was to groom the STARs for business and to enhance their competencies. The session was taken by Mr. Rajesh Purushottam.



Training on Industrial Hygiene at ZSD

Training on Industrial Hygiene was organized on 11th & 12th September, 2017 at Zinc Smelter Debari by Mr. Utpal Bhavsar - External Faculty. It was attended by 15 occupational health experts and sustainability professionals across HZL.

Leaders Speak at CSC

Chanderiya Smelting Complex team concluded Leaders Speak on 30th August, 2017. The platform facilitated synergetic interaction among distinguished HR leaders from 15 near-by manufacturing industries. The purpose of the event was to promote networking among HR fraternity and subsequently pave path for a full-fledged HR forum.

Mr. Rajesh Kundu - Site President, CSC as the Chief Guest, Mr. Mohan Yadav - Head HR, RAM as the Guest of Honour, Mr. Ranjeet Singhvi - Head HR, Vikram Cement, Mr. Anuj Kumar Sharma - Head HR, Aditya Cement, Mr. Rakesh Srivastav - Head HR, J.K. Tyres, Mr. R.P Singh - MD & CEO, Total HR Solutions Ltd., Mr. Anagat Ashish - Head HR, CSC, Mr. S.K. Jain - Head HR, Birla Cement, Mr. Vishal Mathur - Head HR, Chambal Fertilizers, Mr. Rajeev Pandya - Head HR, Geetanjali Hospitals and other delegates from Jindal Cement, J.K. Cement, Lafarge Cement, Wonder Cement, Secure Meters Ltd., etc attended the program.



IZA Team Visit to India

International Zinc Association (IZA)'s General Galvanizing Expert - Dr. Michael Ainsley visited India from 10th -15th July, 2017 with an aim of Market Development and Product Promotion Activities. During this tour, the IZA and HZL team visited Government Departments like Jawaharlal Nehru Port Trust (JNPT), City Industrial Development and Construction Organization (CIDCO) & Engineers India Limited (EIL) for Market Development Activities, wherein in-house seminar at the company premises were organized. As observed, JNPT and CIDCO being close to port are facing severe corrosion problems. Their attempts at preventing corrosion using alternative corrosion-protection techniques did not yield satisfactory results. EIL engineers were also facing similar problems at some of their project locations which are near to industrial and coastal areas. JNPT, CIDCO & EIL officials have committed to using galvanized steel in their coastal & industrial location projects.

Product Promotion at JSW, Karamtara, NSAIL, Jindal & Skipper

Meetings with Jindal & JSW team were organized that resulted in their interest in trailing Continuous Galvanized Grade (CGG). Meeting with NSAIL successfully achieved the goal of getting agreement to switch from 0.8% Al CGG to 0.6% Al CGG for the purpose of rationalizing CGG specifications on offer.

Indore Smart City Seminar

Indore smart City Seminar was targeted towards the galvanizing awareness creation amongst the Smart city officials. This was the second seminar in the smart city seminar series. This was attended by 55 people of cadre of Executive Engineers, General Managers, Addnl. Project Directors, Zonal Officers, Team Leaders of their respective organizations. The seminar began with the basics of corrosion and discussion, then moved towards galvanization, how it is superior to other corrosion protection methods and its scope and applications in a Smart City.

International Zinc Association (IZA)'s Consultant Dr. Kenneth D'Souza also visited India during 1st-4th August, 2017 for Market Development activities and conducting the 4th phase of Atmospheric Corrosion Test. During his visit, the HZL-IZA team visited many Automobile companies like Volkswagen, Honda, TATA Motors etc. & their ancillary companies to assess their usage level of galvanized sheets and promoting galvanization in automobiles for Indian use.

Meeting of the India Steel Sheet Building Group (ISSBG)

ISSBG aims to bring together steel manufacturers, fabricators of building products and engineering professionals engaged in the design of cold formed sheet steel components to be India's foremost authority on sheet steel, its products and its many applications. The meeting was attended by major steel and many building product manufacturers. Discussion topics included BIS & NBCC standards, Zinc market, Automobile standards, Steel sheet usage in construction, new alloys, etc.

Visit to TATA Sky Broadcasting Premises

HZL-IZA team visited the TATA Sky broadcasting premises along with IZA expert Dr. Kenneth D'Souza. TATA Sky is currently galvanizing its dishes, with a coating of 10 microns. However, they were considering to do away with the galvanizing to reduce cost & for the fact that none of their competitors are galvanizing their dishes. On closer inspection it was found that a better procurement practices of materials like galvanized sheets shall help them to reduce costs. They were convinced to continue with providing galvanized dishes to their consumers and modify their procurement/operations to reduce cost.

Indian Chamber of Commerce - Railways Summit attended by HZL

The Indian Chamber of Commerce (ICC) organized the Railways Summit on theme Towards Digital and Energy Efficient Indian Railways on 8th September, 2017 at Hyatt Regency, New Delhi. The objective was to provide a platform for the industry to have a constructive dialogue with decision makers and gain a better perspective into the opportunities and challenges pertaining to projects in railway sector.

In this conclave, Hindustan Zinc presented a paper on Safety and Sustainability of Railway Structures. The paper covered the topics such as the problem of corrosion in Indian Railways and how corrosion is a threat to profitability and potentially to life and property. It provided insights as to how galvanizing of tracks can help railways in reducing the frequent maintenance & replacement expenditure. It emphasized on mandatory use of Galvanized Liner / sleepers / bridge parts, etc. and that old structures should be Thermal sprayed. The study about the Thermal Zinc sprayed Rail (in web and foot section) by British Steel was also mentioned which is getting used in UK Rail network/London tubes.



Every quarter, HR Function conducts workshop wherein all the HR fraternity of Hindustan Zinc come together, deliberate and review the progress on strategic intent of the function and discuss new ideas and way forward. This year HZL HR workshop was held on 6th September, 2017 at Dariba Location. The workshop was themed 'Towards the Next Orbit'. Mr. K.C. Meena - Site President, Dariba IBU also graced the opening session. Mr. Dilip Pattanayak - Head HR, HZL in his opening remarks re-emphasized on the strategic HZL HR priorities, work more closely with business as Business Partners. The key topics discussed during the workshop were HR Analytics, Wage Code Bill, Outsourcing opportunities etc. which gave a new horizon to explore for the HR audience. An insightful session on HR Analytics and Artificial Intelligence was also conducted by external speakers Ms. Sucheta Hota - Director, Deloitte and Mr. Abhishek - Analyst, Deloitte. This was complemented with a team building management game. A glittering award ceremony marked the end of workshop. Various teams and individuals self-nominated themselves for contributions in various HR arenas and projects. This was reviewed by the jury and recognized during the award ceremony. Mr. Pattanayak and Mr. Meena congratulated and appreciated the award winners and handed over the recognition awards to them. Mr. Nikhil Diwan, Head HR Dariba IBU gave the final closing remarks.

Team Awards Winners were for Best HR Project Team award - Team Success Factors, Best Compliant Unit Team - Chanderiya IBU, Most Engaged Unit - Agucha IBU and Best Fevicol ka Jod Team - Zawar IBU.

Individual Award Winners were for Most Promising Unit HR Head - Mr. Mohammad Ali - Unit HR Head, RA Open Cast Mine, Excellence in HR Innovation - Mr. Piyush Verdia - Head OSA, Most Disruptive HR Leader - Ms. Suman Peswani - Head Talent Acquisition and Mr. Ayush Dwivedi - Unit HR Head, PMP & HZP, HR Rising Star - Ms. Garima Yadav - HR Business Partner, HO and Mr. Mayuresh Kumar - Team Member - IR, Zawar Mines, Most Promising OSA - Mr. Ramnarayan Yadav - Team Member OSA, Dariba IBU and Ms. Divya Nagar - Team Member OSA, HO, Most Promising CWFM Professional - Mr. Dharampal Singh - Team Member - CWFM, SK Mines and Nikesh Dadhich - Team Member - CWFM, Debari Smelter, Best HR Mentor - Mr. Anagat Ashish - Head HR - Chanderiya IBU, Most Promising HR Business Partner - Ms. Ravali Balla - HR Business Partner - Chanderiya Common & CPP IBU, Best Debut HR - Ms. Roohi Khan Sherwani - Head HR, RDM and Recognition for coining HZL Success Factors Platform My HR Canvas - Ms. Garima Yadav, HR Business Partner, HO.

Best Performer of the Month at RAM and Zawar Mines

To motivate employees and keep regular track on their activities, Rampura Agucha Mines team have launched a new initiative to recognize the Best Performer in August, 2017. Mr. Hemraj Gujjar, Mr. Bhanwar Lal and Mr. Bhanwar Vaishnav were awarded as Best Performers of the Month.

Prize distribution ceremony was held at Zawar Mines to award Best Performers of the month among the contract workers.

News Digest...

- ◆ RF Based (WiFi) underground communication has been successfully installed at Mochia Mine Decline (500m range) with the intent of improving communication lines in mines.
- ◆ Skill Up-gradation training for 54 mining mates was organized by Institute for Miners and Metal Workers Education, keeping in view their development and production plan at Rampura Agucha Mines.
- ◆ An awareness session was imparted by External Faculty - Mr. Nelson Yaragal from Deloitte on Information Security at Rampura Agucha Mines.
- ◆ The first leading others-module was organized on 17th & 18th August, 2017 covering about 50 employees at Chanderiya Smelting Complex.
- ◆ Self-defense session was conducted in Dariba Smelting Complex in June, 2017 for the female employees.

Football Academy Talent Hunt Scouting Camp at Zawar Mines

Hindustan Zinc is setting-up National Residential Football Academy in Zawar for encouraging rural and tribal youths and main-streaming them by giving the opportunity to discover and develop their sports. A Talent Scouting Camp was organized on 28th August, 2017 for the screening of football talents from identified government schools situated in the vicinity of mining



location. Over 400 students coming from 9 schools located in Rawa, Padla, Kanpur, Chanavada, Singhatwara, Nevatalai, Zawar and Tidi, and from DAV school participated in the event. Mr. Laxman Shekhawat - COO Mines, HZL and Ms. Neelima Khetan - Head CSR, HZL attended the program. Mr. P.S. Jaitawat - Site president, Zawar IBU gave welcome speech during the event.

Mr. Sundar Singh Gurjar, winner of 3 Gold Medals in FAZZA IPC Athletics Grand Prix was chief guest of the event. He gave an inspirational talk to the students present at the occasion. Mr. Sukhwinder Singh – CEO, Sesa Goa Football Academy, Colonel Pravin - Cairn India, Mr. Rohit Parashar - Chief Coach, Talent Scouting Camp and Mr. Biraja Misra - Chairman, The Football Link participated as Guests of Honour in the ceremony.

Swachh Agucha Clean Agucha Abhiyan at RAM

Rampura Agucha Mines team organized Swachh Agucha Clean Agucha Abhiyan to spread message - Cleanliness is responsibility of each Individual. Mr. Rajendra Dashora - Site President, RAM led the initiative along with Unit Heads and employees.

Road Safety Awareness Sessions with the community at RDC

Road Safety Awareness Sessions were organized by Institute of Road Safety and Fleet Management, New Delhi in nearby villages of Rajpura Dariba Complex. Under this drive, about 555 students & teachers of 3 Govt. Schools and 58 Field workers of NGO partners working under Khushi Project were given training on 29th & 31st July, 2017.

Science Fair at Zawar Mines

Science Fair was organized on 26th August, 2017 at Sr. Secondary School, Nevatalai. 4 schools participated in the fair under the supervision of Vidya Bhawan team at Zawar Mines. Mr. P.S. Jaitawat - Site President, Zawar IBU and Mr. Lalu Ram Meena - General Secretary, Zawar Mines Mazdoor Sangh visited the Exhibition.

Plantation in Schools by CSC

Plantation Drive was conducted in new school building of Ajoliya ka Kheda along with sarpanch, up-sarpanch, school principal, staff and children on 22nd August, 2017 by Chanderiya Smelting Complex team.

Animal Health Camp at Zawar Mines

Animal Health Camp was organized in Bhaladiya village in July, 2017 and in Kanpur on 28th August, 2017 benefitting about 1240 livestock.

दरीबा के डीएवी स्कूल में राखी मेकिंग एवं मेहन्दी प्रतियोगिता का आयोजन

डीएवी हिन्दुस्तान जिंक सी. सै. स्कूल, दरीबा में राखी मेकिंग एवं मेहन्दी प्रतियोगिता का 5 अगस्त, 2017 को आयोजन किया गया। इस प्रतियोगिता में कक्षा छठी से बारहवीं तक के विद्यार्थियों ने भाग लिया। विद्यार्थियों द्वारा सुन्दर राखीयाँ मेहन्दी प्रतियोगिता में बनाये गये। राखी मेकिंग कक्षा वार प्रतियोगिता में कक्षा छठी के संजय चौधरी एवं आदित्य राज प्रथम, नेहा टांक द्वितीय एवं जिज्ञासा तृतीय रही। कक्षा सातवीं की स्वर्णिका प्रथम, तनिष्का द्वितीय एवं तनु विजयवर्गीय तृतीय रही। कक्षा आठवीं के आदित्य चौधरी प्रथम, सक्षम शर्मा एवं लोचन जिंदल द्वितीय एवं अली शेर खान एवं राहुल जिजवाड़िया तृतीय रहे। मेहन्दी प्रतियोगिता में भगत सिंह हाऊस की साक्षी गोयल प्रथम, दयानन्द हाऊस की प्राची विजयवर्गीय एवं सुष्मिता कार्की द्वितीय एवं भगत सिंह हाऊस की भावना राव एवं लाला लाजपत राय हाऊस की डिम्पल वैष्णव तृतीय रही।

Counseling Session at RAM and Zawar Mines

Unchi Udaan Batch-II started on 3rd July, 2017 by Hindustan Zinc team. A counseling session was conducted for parents of the students selected under the program on 13th July, 2017.

3 students from Zawar location - Suman Kumari Meena from Tidi village, Kajal Meena from Padla village and Sunil Kumar Meena from Zawar village have been selected for IIT coaching as part of Unchi Udaan Project in July, 2017.



Shiksha Sambal Project at Zawar Mines and CSC

Baseline Survey was conducted for 1200 students belonging to 9 schools covered under Shiksha Sambal project to evaluate the learning level of enrolled students.

Under Shiksha Sambal Project, library kits were distributed in 13 Government Schools on 29th August, 2017. On 17th August, 2017, a meeting was conducted with DEO, all school principals and Field Instructors (FI) to take an overview of Shiksha Sambal project in respective schools.

चंदेरिया टीम द्वारा समाधान परियोजना से 115 किसान लाभान्वित

चंदेरिया टीम द्वारा संचालित समाधान परियोजना के अन्तर्गत डगला का खेड़ा कार्यालय में 30 किसानों को 50-50 नींबू किस्म कागजी के पौधे उपलब्ध कराये गये। ग्राम धनेतखुर्द, बोदीयाना, पुठोली, सुवानिया, नगरी, बिलिया एवं भवानीपुरा के किसानों को नई उद्यानिकी बाड़ी हेतु नींबू के पौधों के साथ ही जैविक खाद एवं पौषक तत्व भी उपलब्ध कराये गये। इसके साथ ही पुरानी बाड़ी के 6 गांवों के 85 किसानों को फलदार पौधे नींबू, अमरुद, अनार हेतु एनपीके, डोरस, माइक्रोफुड, वेम का प्रशिक्षण करवाकर जैविक खाद एवं पौषक तत्व उपलब्ध करवाये गये।

Sakhi Program at RDC, CSC and Zawar Mines

Under Sakhi Project, total 120 Self Help Groups (SHG) have been formed till July, 2017 in collaboration with NGO partners at Rajpura Dariba Complex. Total 1470 women of 19 villages are covered in these SHGs. Regular Meeting of these SHGs are being held on weekly basis.

Community Resource Person (CRP) round for formation of SHG has started in villages - Dagla ka Kheda and Pandoli from 18th July, 2017 by Chanderiya Smelting Complex team. Aam sabha was also conducted on 14th August, 2017 in Pandoli village. Village Organization Training was conducted from 17th – 22nd August, 2017 at Sanwariya Dharamshala, Chittorgarh.

35 Sakhi Self Help Group members were engaged in Income Generation training out of which 11 have progressed to production group and have started earning. 63 women from 4 Village Organizations of Rawa, Zawar, Rela and Padla villages were trained. 2310 members from 18 villages have been connected to 175 Sakhi SHGs till August 2017.

Veterinary Camps at RDC

Rajpura Dariba Complex team in collaboration with NGO partner conducted 10 Veterinary camps in 10 nearby villages during June and July, 2017. In these camps, diagnosis & treatment of cattle have been done. About 4225 cattle have been covered benefitting 586 families during the month. Total 202 AI have been done during these months.

Samadhan Project at RDC and Zawar Mines

Under Samadhan Project with NGO Partner, total 200 farmers were provided Maze seeds under Kharib Crop initiative at Rajpura Dariba Complex. Total 46 wadi plants were distributed to 46 farmers of nearby 12 villages in July, 2017. Layout of these wadis have been developed.

Azola Plantation was successfully carried out by Babulal Meena from Amarpura village, Zawar on 5th July, 2017. Azola Plant is high in nutrition, helps increase production of milk in milch animals and it is introduced and accepted as a fodder choice by farmers.

Integrated Agriculture and Livestock Development Project at CSC

In order to improve the breed of cattle, Artificial Insemination is being done on regular basis at Chittorgarh benefitting 86 animals in August, 2017. One day exposure visit was conducted on 24th August, 2017 where around 30 farmers got benefitted and were sent to Agriculture University, Udaipur. Distribution of chilly and tomato saplings to 38 farmers was done on 28th August & 4th September, 2017 along with Doras fertilizer at Dagla ka Kheda in collaboration with NGO.

Plantation at Railmagra by RDC

Plantation was done on the occasion of inauguration of Mahaveer International at Railmagra Block on 30th July, 2017. During the event, Site-president Dariba IBU - Mr. Kastoor Meena, Chairman of Mahaveer International, SDM-Railmagra, Tehsildar-Railmagra, Judicial Magistrate, and Sarpanch-Railmagra along with other dignitaries were present.



World Senior Citizen Day Celebration at DAV School, Zawar Mines

World Senior Citizen Day was celebrated to honor seniors and to recognize their valuable contributions to communities on 21st August, 2017 at DAV School, Zawar where children interacted and spent time with senior citizens.

HINDUSTAN ZINC'S JEEVAN TARANG INITIATES 'GARV SE' CAMPAIGN FOR SPECIAL CHILDREN



Hindustan Zinc under its 'Jeevan Tarang Zinc Ke Sang' Project has initiated around six month long Campaign 'Garv Se' where these Special Children of God would be participating in series of creative activities to engage them with Hindustan Zinc employees & their families on a same platform.

The program was formally launched on 26th & 27th September, 2017 where Painting Workshop along with other artistic activities – clay modeling, diya painting & block painting were organized in Udaipur, Bhilwara and Ajmer. The events saw the participation of around 200 children from Viklang Kalyan Samiti, Udaipur, Prayas Sansthan, Udaipur, Muk Badhir Kalyan Vidhyalya, Bhilwara, and Badhir Vidhyalya, Ajmer. The objective of the Campaign is to mainstream the specially abled children by bringing them together with the society/community and Garv Se has been a step towards it by engaging Hindustan Zinc employees and their families through the series of engagements - movie screening, sports, trekking, dance workshops to name a few.

Jeevan Tarang was formally launched on Foundation Day of Hindustan Zinc, i.e., on 10th January, 2017. Jeevan Tarang endeavors to support people with disabilities with a focus to identify needs of deaf-mute, visually impaired and children with brain damages. Around 500 beneficiaries have been identified from HZL's operational areas - Ajmer, Bhilwara, Chittorgarh and Udaipur. Hindustan Zinc has partnered with experts to build capacities of these institutions.

हिन्दुस्तान जिंक के प्रधान कार्यालय में हर्षोल्लास से मनाया स्वतंत्रता दिवस

हिन्दुस्तान जिंक के प्रधान कार्यालय के प्रांगण में स्वतंत्रता दिवस हर्षोल्लास से मनाया गया। भारतीय गणतंत्र के 71वें स्वतंत्रता दिवस के अवसर पर समारोह के मुख्य अतिथि कंपनी सेक्रेटरी – श्री राजेन्द्र पण्डवाल ने कर्मचारियों एवं उनके परिजनों की उपस्थिति में राष्ट्रीय ध्वज फहराया एवं सभी को हार्दिक बधाई एवं शुभकामनाएं दी। उन्होंने बताया कि हजारों देशभक्तों के बलिदान, अथक प्रयास अनवरत स्वाधीनता आन्दोलन के बाद भारत आजाद हुआ। इस अवसर पर कर्मचारियों को सम्बोधित करते हुए उन्होंने कहा कि 15 अगस्त 1947 को आजादी की नई सुबह। लालकिले की प्राचीर पर तिरंगा लहराते ही सैंकड़ों साल की गुलामियत की पीड़ा का ज्वार शांत हो गया तथा एक ऐसे सामर्थ्यवान, समतावादी और लोकतांत्रिक राष्ट्र का उदय हुआ जिसकी अंतचेतना में समाज के अंतिम पांत के अंतिम व्यक्ति के आंसू पोंछने का संकल्प था। समाज में आर्थिक बराबरी लाने और भेदभाव मिटाने का जज्बा था। इसमें दो राय नहीं कि आजादी के इन 70 सालों में देश ने ढेर सारी उपलब्धियां अर्जित की हैं। शिक्षा और जागरूकता से सामाजिक भेदभाव कम हुए हैं। खाद्यान्न के मामले में देश आत्मनिर्भर हुआ है और सड़क, बिजली व पानी का विस्तार हुआ है। औद्योगिकरण और कृषि उत्पादन में वृद्धि से लोगों की प्रति व्यक्ति आय बढ़ी है तथा जीवन स्तर में सुधार हुआ है। इसके उपरान्त भी हमारे सामने कई चुनौतियाँ हैं, खास तौर पर साक्षरता और महिला सशक्तिकरण पर विशेष ध्यान देने की आवश्यकता है।



हिन्दुस्तान जिंक अपने व्यापार के साथ-साथ आर्थिक, सामाजिक कल्याण एवं ग्रामीण उत्थान तथा पर्यावरण, संरक्षण एवं सुरक्षा के प्रति सदैव कटिबद्ध है। आईये आज के इस राष्ट्रीय पर्व पर हम सभी हमारी कंपनी को और ऊंचाइयाँ प्रदान करने का संकल्प लें। कंपनी की सभी इकाइयों में 71वाँ स्वतंत्रता दिवस बड़े हर्षोल्लास से मनाया गया है।

Zawar Team Get Together at Zawar Mines

Zawar Geology Team organized a team building get together on 3rd September, 2017. The event was hosted at Labhgarh Resort.

Zawar Security Team hosted a get together at Zawar Mines on 15th August, 2017 with an aim to encourage team building and cooperation amongst the employees.

5S at Home at Zawar Mines

A training session on 5S at home was conducted on 18th August, 2017 for the spouses of Zawar Mines employees.

During the session, families were explained how 5S methodology of management can be implemented in running a household chores.



Maitryee at PMP

Maitryee was organized on 3rd August, 2017 with all the female employees as well as employee spouses at Pantnagar Metal Plant. This quarterly event featured various games, bollywood singing, dancing, etc.

Monthly Ladies Club Meet at Zawar Mines

Monthly Meet of Zawar Ladies Club Members was organized at Zawar Executive Club. Various programs and games were conducted followed by dinner.

Power of Positivity at CSC

A session for colony residents was organised on Power of Positivity by Ms. Vidya Mathews covering 150 participants at Chanderiya Smelting Complex.

Foundation Day Celebration of Zawar Union at Zawar Mines



Foundation Day of Zawar Union was celebrated at Zawar Union Office on 17th August, 2017. Union President - Mr. U.M. Sankar Das and Site President - Mr. P.S. Jaitawat inaugurated the function. Union achievements, history and establishment of wage practices, uplifted welfare conditions of workers were discussed during the program.

International Yoga Day Celebration at HZL

International Yoga Day was celebrated at Hindustan Zinc on 21st June, 2017. Mr. Gyanendu Gyan - Manager, Admin motivated the employees & their family members to include yoga in their daily routine to attain spiritual, mental & physical well-being. The program was anchored and coordinated by Yoga & Fitness Instructor – Mr. Shekhar Sharma & Ms. Shweta Sharma from Udaipur.

हिन्दुस्तान जिंक द्वारा आयोजित कैंसर परामर्श शिविर

जिंक नगर आवासीय कॉलोनी स्थित जिंक हॉस्पिटल में चिकित्सक दिवस के उपलक्ष में चंदेरिया लेड जिंक स्मेल्टर एवं जीबीएच अमेरिकन हॉस्पिटल द्वारा 1 जुलाई, 2017 को निःशुल्क चिकित्सा शिविर का आयोजन किया गया। इस शिविर में कैंसर विशेषज्ञ डॉ. मनोज महाजन एवं डॉ. ममता लोढ़ा द्वारा 85 महिलाओं व पुरुषों को परामर्श व कैंसर से बचाव के उपायों के बारे में बताया गया।

शिविर का उद्घाटन चन्देरिया लेड जिंक स्मेल्टर के साईट प्रेसिडेंट श्री राजेश कुण्डु, मुख्य सुरक्षा अधिकारी एवं प्रशासन श्री हरपाल सिंह पंडेर एवं यूनियन के वरिष्ठ सचिव श्री घनश्याम सिंह राणावत ने किया। इस अवसर पर मुख्य चिकित्सा अधिकारी डॉ. विनोद रॉय, वरिष्ठ महिला चिकित्सा अधिकारी डॉ. सोनिया जैन, आई.टी. प्रमुख श्रीमती रमादेवी, श्री नवीन कुमार इंटोदिया, श्री सोहन लाल बलई, श्री सियाराम जाट एवं श्री किशन जाट ने सक्रिय सहयोग दिया।

SPORTS

Sports Carnival at RAM

Sports Carnival was organized at Rampura Agucha Mines on 31st August, 2017. The program was inaugurated by Chief Guest, Mr. R.P. Dashora - Site President. The tournament continued for three days from 31st August - 2nd September, 2017. Various games were played under categories such as swimming, chess, table tennis, badminton, to name a few.

The prize distribution ceremony was followed by thanks giving by Head Executive Club - Mr. Sufal Mehrotra.





उदयपुर जिला स्ट्रेन्थ लिफ्टिंग संघ के तत्वाधान में स्थानीय पावर हेल्थ सेन्टर, मीरा पार्क पर स्थित उदयपुर जिला सीनियर व मास्टर्स महिला/पुरुष स्ट्रेन्थ लिफ्टिंग प्रतियोगिता 10 जुलाई, 2017 को सम्पन्न हुई। प्रतियोगिता में हिन्दुस्तान ज़िंक फिटनेस सेन्टर के प्रतियोगियों ने भाग लिया जिसमें चैंपियन ऑफ चैंपियन स्ट्रोंग वीमेन हिन्दुस्तान फिटनेस सेन्टर की महिला वर्ग में अनन्या शर्मा ने 337.5 कि.ग्रा. वजन उठाकर विजेता रही। प्रतियोगिता में महिला वर्ग में अनन्या शर्मा, शिवकन्या राठौड़ ने विभिन्न भार वर्ग में प्रथम स्थान प्राप्त किया। पुरुष वर्ग में तनय सनादय तृतीय स्थान पर रहे। सभी प्रतियोगी यशद भवन फिटनेस सेन्टर में स्ट्रेन्थ ट्रेनिंग ले रहे हैं। शेखर शर्मा इन्स्ट्रक्टर के रूप में मौजूद थे।

ज़िंक नगर में बैडमिंटन प्रतियोगिता का समापन



ज़िंक नगर चित्तौड़गढ़ द्वारा बैडमिंटन टूर्नामेंट का समापन 1 अगस्त 2017 को हुआ। समापन समारोह के मुख्य अतिथि ज़िंक के साइट प्रेसिडेंट श्री राजेश कुडू, अध्यक्षता यूनियन के महामंत्री श्री घनश्याम सिंह राणावत ने की। विशिष्ट अतिथि ज़िंक के पावर बिजनेस हेड – श्री राजेन्द्र सिंह आहूजा, लोकेशन एच आर हेड – श्री अनागत आशीष, कैप्टेन अभिनय शर्मा, यूनियन के वरिष्ठ उपाध्यक्ष श्री एस.के. मोड थे। टूर्नामेंट में पुरुष सिंगल में मानस त्यागी विजेता, रोहित अभिषेक उपविजेता, पुरुष डबल्स में मानस त्यागी और गौरव गोयल की जोड़ी विजेता और योगेश शर्मा और अशोक जैन की जोड़ी उपविजेता रही, महिला कर्मचारी में सुमा जेम्स विजेता, रमा देवी उपविजेता, कॉलोनी लेडीज सिंगल में बिंदु पार्थसारथि विजेता उर्मिला मीणा उपविजेता रही। इसी प्रकार महिला डबल्स में बिंदु, श्री लक्ष्मी विजेता, पूनम

बंसल एवं सुमा जेम्स उपविजेता रही। बच्चों के मुकाबले में मीत प्रजापति विजेता एवं दिव्यजित परमार उपविजेता रहे।

Football Match at CSC

Chanderiya Smelting Complex team organized Football Match on 19th August, 2017 for GETs v/s employees where employees won by 4-0.



12 Science-Based Benefits of Meditation



Meditation is a habitual process of training your mind to focus and redirect your thoughts.

The practice of Meditation also develops other beneficial habits and feelings, such as a positive mood and outlook, self-discipline, healthy sleep patterns and even increased pain tolerance.

Some of its benefits are:

1. Reduces Stress

Stress reduction is one of the most common reasons people try meditation. Meditation can also reduce symptoms in people with stress-triggered medical conditions.

2. Controls Anxiety

Less stress translates to less anxiety. Habitual meditation helps reduce anxiety and anxiety-related mental health issues like social anxiety, phobias and obsessive-compulsive behaviors.

3. Promotes Emotional Health

Meditation can also lead to an improved self-image and more positive outlook on life.

4. Enhances Self-Awareness

Meditation may help you develop a stronger understanding of yourself, helping you grow into your best self.

5. Lengthens Attention Span

Focused-attention meditation is like weight lifting for your attention span. It helps increase the strength and endurance of your attention.

6. May Reduce Age-Related Memory Loss

The improved focus you can gain through regular meditation may increase memory and mental clarity. These benefits can help fight age-related memory loss and dementia.

7. Can Generate Kindness

Some types of meditation may particularly increase empathy, compassionate behavior and actions toward yourself and others.

8. May Help Fight Addictions

Meditation develops mental discipline and willpower and can help you avoid triggers for unwanted impulses. This can help you recover from addiction, lose weight and redirect other unwanted habits.

9. Improves Sleep

A variety of meditation techniques can help you relax and control the runaway thoughts that can interfere with sleep.

10. Helps Control Pain

Meditation can diminish the perception of pain in the brain. This may help treat chronic pain when used as a supplement to medical care or physical therapy.

11. Can Decrease Blood Pressure

Blood pressure decreases not only during meditation, but also over time in individuals who meditate regularly.

एक और एक, कितने ?

एक कंपनी ने अखबार में विज्ञापन छपवाया। उसे चार्टर्ड एकाउंटेंट की जरूरत थी। विज्ञापन में संपूर्ण योग्यता के साथ मिलने का समय ग्यारह बजे छपा था।

एक व्यापारी के बेटे ने भी उस विज्ञापन को पढ़ा। वह भी उस कंपनी में काम करना चाहता था, लेकिन साक्षात्कार का समय सुबह ग्यारह बजे था जो उसको माकूल नहीं था। फिर भी वह इंटरव्यू देने के लिए तैयार था।

जान बूझकर शाम चार बजे व्यापारी का लड़का इंटरव्यू देने वहां पहुंचा। कंपनी के ऑफिसर ने बताया कि इंटरव्यू का समय सुबह का तय किया गया है। व्यापारी के लड़के ने ऑफिसर से कहा कि कंपनी के गेट के सामने मिलने का समय शाम चार से पांच बजे लिखा है।

खैर, व्यापारी के लड़के का इंटरव्यू लेना तय किया गया। व्यापारी का बेटा नियत समय पर इंटरव्यू देने पहुंचा। उसका इंटरव्यू लेने के लिए कंपनी के मालिक के साथ पांच-छह ऑफिसर भी बैठे।

कंपनी की तरफ से पूछा गया— एक और एक कितने होते हैं ? लड़के ने कंपनी के मालिक से कहा कि इस सवाल का जवाब अकेले में देना चाहता हूँ।

मालिक का इशारा पाकर सभी कंपनी आफिसर कक्ष से बाहर चले गए। लड़के ने अकेले में मालिक से कहा— “एक और एक आप कितना कराना चाहते हैं ?”

मालिक व्यापारी के बेटे का उत्तर सुनकर क्षण भर के लिए सोच में पड़ गया। पर जब उत्तर का भाव समझ में आ गया तो उसे काम पर रख लिया।

— पुस्तक ‘वट वृक्ष की छांव’ में

DEEDS TO EMULATE

मानवाधिकार जागरूकता के क्षेत्र में उल्लेखनीय कार्य



जी.एन.एस. चौहान कर्मचारी, वरिष्ठ ड्राफ्ट्समैन ड्राइंग सेक्शन चंदेरिया, को भारतीय मानवाधिकार एसोसिएशन नई दिल्ली के वार्षिक सेमिनार में मुख्य अतिथि राष्ट्रीय महिला आयोग भारत सरकार की माननीय सदस्य रेखा शर्मा ने श्री चौहान के चित्तौड़गढ़ जिले में

मानवाधिकार के क्षेत्र में उल्लेखनीय कार्य के लिए सरहाना की। उल्लेखनीय है कि समाज सेवा के इन कार्यों को देखते हुए जिला प्रशासन भी वर्ष 2012 में गणतंत्र दिवस पर इन्हें जिला स्तर पर सम्मानित कर चुका है।

Mr. Divyanshu Mandowara



S/o Shri Raj Mal Mandowara, AGM-Mining, RD Mines scored 97.4% in 12th CBSE examination and got All India Rank of 92 in JEE Advance and securing admission in nation's elite education institute—IIT Delhi.

Naughty Meena made 10 differences while copying the Picture - 1, she missed some and added some in the new Picture - 2. Let's find those 10 differences in Picture - 2.

**Kid's
Column !!**

Master Picture : Picture - 1



Oops !!!
Meena missed some,
added some...

Copied Picture : Picture - 2



- Answers: Picture 2**
1. Change in the colour of Soup of Minnie Mouse.
 2. Extra tooth added to the Goofy's mouth.
 3. Change in the colour of Chair on the extreme right.
 4. Extra Stripe added in the Beach Umbrella.
 5. Change in the colour of Hut on extreme left.
 6. Extra Flower added in the centre of the Garden.
 7. Food Item removed from the Barbeque on the extreme right.
 8. Change in the shape of the Window of the Hut on extreme left.
 9. Extra line of Smoke added to the Soup of Minnie Mouse.
 10. Change in the colour of Slotted Turner in the hand of Goofy.

DIGITAL PRESENCE

- Follow CEO, HZL on - www.twitter.com/CEO_HZL
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शहर हमारा जिम्मेदारी भी हमारी

यातायात के नियमों का पालन करना -
हमें ही सुनिश्चित करना है

- यातायात के सभी नियमों का पालन करें एवं सुरक्षित रहें।
- दुपहिया वाहन चालक एवं पीछे बैठने वाला व्यक्ति भी हेलमेट पहनें।
- दुपहिया वाहन केवल दो व्यक्तियों के लिए ही है-नियमों का पालन करें।
- चौपहिया वाहन चलाते समय सीट बेल्ट का उपयोग करें।
- वाहन को ग़लत दिशा से ओवरटेक न करें।
- अस्पताल एवं विद्यालय के आस-पास हॉर्न ना बजायें।
- स्कूल के पास वाहन को गतिसीमा में ही रखें।
- बच्चों को निर्धारित आयु सीमा से पहले वाहन न चलाने दें।
- वाहन चलाते समय मोबाइल का उपयोग न करें।
- पैदल यात्रियों का ध्यान रखें और ज़ेब्रा क्रॉसिंग से पहले वाहन को रोकें।
- लाल बत्ती होने पर वाहन का इंजन बंद कर दें - ईंधन बचायें।
- भीड़-भाड़ वाले क्षेत्र में वाहन न ले जाएं।
- शराब पीकर वाहन ना चलायें।

हमारा शहर - हमारा गौरव



यह विज्ञापन
हिन्दुस्तान जिंक (वेदान्ता ग्रुप)
द्वारा जनहित में जारी