



**Celebrating
Republic Day
with Children of
Employees...**

'THE RISK OF RUST'
- MR. SUNIL DUGGAL

NEW INITIATIVE -
BE SAFE - SURAKSHIT RAHIYE

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Dear Colleagues,
Greetings of the new financial year!

We are proud to be the '**Zinc of India**' with a vision to be the most admired Zinc and Silver Company in the world.

At the dawn of the new financial year this day, the 1st of April 2018, we reiterate our commitment to our core values of Safety and Integrity. A business without these values cannot sustain or drive value to the stakeholders.

This will be a landmark year for us as we transform to a fully under-ground mining company. We aim to raise our metal production to 1.2 million tonnes and eventually to 1.5 million tonnes. We would also strive to achieve 1000 tonnes of silver production. Our mines are expanding, new technologies are being implemented, smelters are being debottlenecked, new Fumer being installed, two new mills are getting commissioned and our new shafts at RAM and SK Mine would become fully functional this year. This will be an exciting year for all of us.

We have always set new benchmarks in cost management. To further strengthen our efforts, for the first time, we have launched a project: RACE - Reengineering to Achieve Cost Excellence. I am sure this would bring a revolution in cost management and implementable ideas given by employees who would be suitably incentivized.

Last year, Hindustan Zinc was ranked 11th globally in Dow Jones Sustainability Index (DJSI) in the Industry Group - Mining & Metal, and ranked 3rd in the environment dimension. Inclusion in Sustainability Yearbook reiterates our focus and efforts towards environment, health, safety and governance. We are one of the 9 Indian companies and the only metal and mining company to get featured in the Sustainability Year Book - 2018.

This financial year, we must strive to further excel and have even greater focus on Sustainability.

I am very excited about our latest initiative - "Be Safe – Surakshit Rahiye" and am happy about the focus that we have brought to pledge safety across Rajasthan. The awareness being spread has benchmarked Hindustan Zinc as a responsible corporate. We are driving safety beyond the boundaries of our business units.

To bring our focus on promoting sports in Rajasthan, this year, we would be setting-up a state-of-the-art Football Academy in Zawar. This will be one of its kind, technology driven academy in India.

The Zinc consumption in India is increasing every year. The issues of rust & corrosion are being understood by the masses and the use of Zinc would increase in the sectors like automobiles, railways, galvanised re-bars in coastal structures, electricity distribution network, defense, agriculture etc. We must focus on producing more Value Added products as these will drive the future consumption of Zinc.

Come, let us be a part of the thrilling journey to build the future and be the ambassadors of Hindustan Zinc.

With Warm Regards,

Sunil Duggal
Chief Executive Officer



प्रिय साथियों,

नये वित्तीय वर्ष की हार्दिक शुभकामनाएं!

हमें, हिन्दुस्तान जिंक को विश्व में जस्ता एवं चांदी उत्पादक की सबसे प्रशंसनीय कंपनी बनाने के विज़न के साथ 'जिंक ऑफ इण्डिया' होने पर गर्व है।

1 अप्रैल 2018 को नये वित्तीय वर्ष की शुरुआत पर, हम सुरक्षा और सत्यनिष्ठा मूल्यों के प्रति हमारी प्रतिबद्धता को दोहराते हैं। बिज़नेस, सत्यनिष्ठा और सुरक्षा के बिना सार्थकता नहीं है।

इस वर्ष हम पूर्णरूप से भूमिगत खदान कंपनी में परिवर्तित हो जाएंगे जो हमारे लिए एक मील का पत्थर साबित होगा। अब हमारा लक्ष्य है अपने वर्तमान उत्पादन को 1.2 मिलियन टन तक ले जाना तथा अन्ततः 1.5 मिलियन टन तक पहुँचाना। हम 1000 टन चांदी उत्पादन के लक्ष्य को प्राप्त करने के लिए निरन्तर प्रयासरत हैं।

हम खदानों का विस्तार कर रहे हैं, नयी तकनीक का क्रियान्वयन किया जा रहा है, स्मेल्टर्स का डिबोटलनेकिंग किया जा रहा है और नया फ्यूमर प्लांट स्थापित किया जा रहा है। दो नई मिलें भी शीघ्र ही प्रारंभ होने जा रही हैं तथा रामपुरा आगुचा खदान और सिन्देसर खुर्द खदान में नए शाफ्ट्स इस साल पूरी तरह से कार्यरत हो जाएंगे। यह वर्ष हमारे लिए उत्साहजनक रहेगा।

हमने लागत प्रबंधन में सदैव नये मानक स्थापित किये हैं। प्रयासों को और अधिक सुदृढ़ बनाने तथा लागत उत्कृष्टता को प्राप्त करने के लिए पहली बार हमने एक परियोजना 'आरएसीई' लॉन्च किये हैं। मुझे विश्वास है कि यह लागत प्रबंधन में क्रांति लाएगा और कर्मचारियों द्वारा दिए गए क्रियान्वयन योग्य विचारों को उचित रूप से प्रोत्साहित किया जाएगा।

गत वर्ष, हिन्दुस्तान जिंक ने खनन एवं धातु उद्योग समूह में डाऊ जोन्स सस्टेनेबिलिटी की सूची में विश्व स्तर पर 11वाँ स्थान तथा पर्यावरण आयाम में तीसरा स्थान प्राप्त किया है। सस्टेनेबिलिटी ईयरबुक में शामिल होना, पर्यावरण, स्वास्थ्य, सुरक्षा और प्रशासन के प्रति हमारी प्रतिबद्धता एवं दृढ़ संकल्प प्रयासों को दोहराता है। हिन्दुस्तान जिंक, 9 भारतीय कंपनियों की सूची में से एकमात्र धातु और खनन कंपनी है जो सस्टेनेबिलिटी ईयर बुक-2018 में शामिल हुई। इस वित्तीय वर्ष में, हमें आगे बढ़ने और सस्टेनेबिलिटी पर अधिक ध्यान देना होगा।

मैं 'बी सेफ – सुरक्षित रहिए' कार्यक्रम से बहुत प्रभावित हूँ तथा मुझे खुशी है कि हिन्दुस्तान जिंक पूरे राजस्थान में सुरक्षा के प्रति जागरूकता ला रहा है। सुरक्षा के प्रति जागरूकता के लिए एक जिम्मेदार कंपनी के रूप में हिन्दुस्तान जिंक बेंचमार्क कार्पोरेट है। हम अपनी व्यावसायिक इकाइयों के आस-पास भी सुरक्षा अभियान चला रहे हैं।

राजस्थान में खेलों को बढ़ावा देने के लिए, इस वर्ष, ज़ावर में एक अत्याधुनिक फुटबॉल अकादमी की स्थापना की जा रही है। यह अकादमी भारत में अपनी तरह की आधुनिक टेक्नोलॉजी पर आधारित होगी।

भारत में जस्ते की खपत में हर साल वृद्धि हो रही है। रस्ट और कोरोजन का कारण अब आम जनता को समझ आ रहा है। ऑटोमोबाइल, रेलवेज, तटीय संरचनाओं में गेल्वेनाईज्ड स्टील-बार्स, बिजली वितरण नेटवर्क, रक्षा, कृषि एवं मेट्रो रेल जैसे नए क्षेत्रों में जस्ते के उपयोग में वृद्धि होने की पूर्ण संभावना है। हमें अधिक मूल्यवर्धित उत्पादों का उत्पादन करने पर ध्यान केन्द्रित करना चाहिए क्योंकि भविष्य में जस्ते की खपत में वृद्धि होगी।

आइए, हम भविष्य निर्माण तथा इस उत्साहित यात्रा का हिस्सा बनें और हिन्दुस्तान जिंक को और अधिक ऊँचाइयों पर ले जाएं।

हार्दिक शुभकामनाओं सहित।

सुनील दुग्गल

मुख्य कार्यकारी अधिकारी

Hindustan Zinc Mining Academy organizes 1st Convocation Ceremony 2018



Hindustan Zinc Mining Academy set-up by Hindustan Zinc, India's only and world's second largest Zinc producer saw 1st convocation of 150 students that included 103 Jumbo Drill operators and 1st batch of 47 Winding Engine operators. The ceremony was held on 24th January, 2018 in Udaipur and was attended by Shri Arun Kumar - Secretary, Ministry of Mines, Shri K.P. Krishnan - Secretary, Ministry of Skill Development & Entrepreneurship, Shri Sunil Duggal - CEO, Hindustan Zinc & Chairman of Skill Council of Mining Sector, Shri R.K. Sharma - Secretary, General Federation of Indian Mineral Industries and Shri A.K. Bhandari - CEO, Skill Council for Mining Sector.

All the 150 pass-outs were ITI Diploma holders and this was the first time such convocation ceremony was organized by a private sector company.

Hindustan Zinc has set-up fully residential Mining Academy at Bhilwara, Rajsamand and Zawar in Rajasthan, to meet the growing requirement of skilled manpower and generate employment opportunities, particularly in rural areas. The Mining Academy has been set-up in collaboration with 'Skill Council for Mining Sector' and training partner 'Indian Institute of Skill Development Pvt. Ltd'. The Academy provides training to youth in Jumbo Drill Operations and Winding Engine Operations along with training in Banks-men and Bellman Operations.

The Mining Academy pass-outs have already been placed with an average salary of Rs. 300,000 per annum. There has been 98% retention rate only proving that rural youth needs employability and they are ready to learn skills that can be used in the current sectors.



Shri Arun Kumar
- Secretary Mines, Government of India

“

In India, open-cast mining is more popular but rare minerals can only be found in underground mine. India is unable to find proper talent to operate the critical equipment of underground mines. Through this initiative of Hindustan Zinc, our youths will get employment opportunities in India and also in other International mines. Future is indeed very bright for these students.

”



Shri K.P. Krishnan
- Secretary M/O Skill Development & Entrepreneurship, Government of India

“

Developing skills of ITI Pass-outs in Mining industry is important and an extension of PM's Skill India Mission. When Skill-India mission was launched, Hon'ble Prime Minister Narendra Modi Ji had three important visions – Scale, Quality and Aspiration. He also wanted corporate to step forward and make this vision a reality. Through 'Hindustan Zinc Mining Academy', all the elements of Skill-India have come together. Employment of high wages is proof of skills becoming aspirational. Organizing convocation for the 1st time for the ITI pass-outs is indeed commendable.

”



Shri Sunil Duggal
- CEO, HZL & Chairman of Governing
Board of 'Skill Council for Mining Sector'

“

We should enhance further skills of these pass-outs to match the international standards. Why call expats in the areas where we can train our own youth and make them employable. These youth have already been placed in different companies and the demand is set to increase.

”



Also present at the event were Shri Arun Kumar Chandel - Head, SSC Governance National Skill Development Corporation, Shri S. Vijay Ayer - Managing Director, Rio Tinto India Pvt Ltd., Shri Arvind Singhal - Managing Director, Wolkem India Limited, Shri M.L. Lunawat - Managing Director, Aravali Minerals & Chemicals, Dr. M.S. Singhvi - Managing Director, Rajasthan Barytes, HZL senior management, business partners of Hindustan Zinc and HZL employees.

Hindustan Zinc Mining Academy has also commenced its 6th Batch of 'Jumbo Drill Operator Training Program' with an inaugural function on 3rd January, 2018 at Railmagra Centre, Rajsamand wherein 120 select ITI/Diploma pass-outs are getting



trained under this 18 months residential program. The Chief Guest of the event was Shri Kastoor Meena – Site President, Rajpura Dariba Complex who encouraged candidates to work hard with focus, dedication and discipline in Academy to have a secure future.

When Skill-India mission was launched, Hon'ble Prime Minister Narendra Modi Ji had three important visions – Scale, Quality and Aspiration. He also wanted corporate to step forward and make this vision a reality. Hindustan Zinc Mining Academy aligns with this mission and has all the elements of Skill-India.



Are Indian Cars RUST PROOF

Can SAFETY be COMPROMISED



By Pavan Kaushik | Published in Asian Age | 14th February, 2018

The safety of passengers in cars is generally measured by the presence of seat belts, airbags, crumple zone and shock absorbing capacity. But it is important to note that more than 50% of the total weight of an average vehicle globally is of steel. And if this steel is not galvanized – to prevent vehicles from corrosion and rust – this certainly would impact the safety of vehicles, safety of passengers, bring down the value of vehicles and increase life risk. Knowing this, should the steel used not be galvanized compulsorily is the question, and why not.

Despite being a state of art engineering with finest mobility revolutions, the automobile industry also has a flipside due to people losing lives in road accidents. Around 10 lakh people lose life every year in road accidents around the world. Over 30 lakh people get injured and hurt to life-long disabilities every year due to road accidents.

As per IIHS (Insurance Institute for Highway and Safety) - death percentage in case of smaller and compact cars is twice when compared to bigger sedans and vehicles.

Ironically, the middle-class buys vehicles that are meant to be used for minimum 7-10 years and the steel used in most of these vehicles is not galvanized. Rather, the high-end class buys vehicles for just 2-4 years and these luxury vehicles use only galvanized steel. Safety is compromised in a larger section of society.

There is also a disparity by Indian automobile makers. For the Indian car market, only 30% of steel used is galvanized, i.e. rust proof or corrosion resistant. Rather, when the same model is exported, almost 70% of the steel used is galvanized. This is only because in India neither we have norms to use galvanized steel in the automobile industry nor there is enough consumer awareness.

The Steel in Automotive Industry – An Outlook

The Indian automotive industry, world's sixth largest in terms of both volume and value, is expected to grow around four times by FY 2026 with approximately 10 % CAGR for vehicle sales volumes. The passenger vehicle sales alone are set to increase significantly by the year 2020.

Considering that automobile industry consumes around 15% of the country's total steel demand and steel makes up more than 50% of the total weight of an average vehicle, it might be an enormous opportunity for the Indian steel industry, but it also brings with it the responsibility of supplying only galvanized steel to the automobile industry for the safety of people and preventing automobiles from rust and corrosion.

Steel is used for safety of structures, and why ignore galvanization of steel if it brings more stability to steel. Can the safety be compromised?

Flat products, such as hot rolled, cold rolled and coated steel sheets, account for about 80% of steel products consumed by the auto makers. Steel is used for roof, chassis, wheels, brakes, exhaust and engine.

Steel comes in a variety of different grades with lightness increasing in proportion with the cost of manufacturing the material and making the parts. Manufacturers will often use more than one type of steel in a car – prioritising better steel where more reinforcement is needed.

Research on Galvanization of Car Bodies

Starting in the mid 1980's, the American Iron and Steel Institute (AISI) and the three major car makers - General Motors, Ford Motors and Chrysler Corporation - jointly participated in several parking lot corrosion surveys of cars in Detroit, Michigan area. Based on the results of this survey, as well as pressure from consumer advocates like Ralph Nader, the car companies converted from cold rolled to galvanized and galvanneal steel for the exterior, interior, and underbody parts. Improvements in base coat and clear coat paint technologies were also made concurrently. The results of subsequent surveys, after the introduction of galvanized steel, showed dramatic improvements which heralded the car companies issuing 10+ year warranties against corrosion starting in the mid 1980's. Europe, Japan and South Korea soon followed the North American decision to use galvanized sheet steel for the entire car body.

In the summer of 2015, an extensive study of automotive body corrosion was conducted in Mumbai area by IIT Bombay to track corrosion performance of currently used materials in Indian made cars costing less than Rs. 10 Lakhs. The study used similar methodology as used in North America to check for visible perforations, paint blisters, and surface red rust. The survey was conducted in several coastal and other humid regions of Mumbai. The results were surprisingly similar to those seen in the Detroit, Michigan Survey despite the fact that no road de-icing salts are used in Mumbai. The IIT report proved that there is a corrosion problem affecting the durability and the eventual safety of cars in India.

Indian car manufacturers use bare cold-rolled steel and its variants, while abroad, it is mandatory for auto companies to use galvanized steel bodies.

Tata Steel, POSCO Maharashtra & JSW all have the facilities to produce exposed quality galvanized or galvanneal sheet to supply the automobile companies in India. There are no constraints in meeting the exposed quality steel demand required to convert all the parts from cold rolled to galvanized steel.

Rusting – Understanding Corrosion – Function of Zinc

To understand, rusting is the common term for corrosion of iron and its alloys. Corrosion is the reaction of iron and oxygen, as may be present in water or air moisture. Any iron material when exposed to both oxygen and water is bound to rust - unless a preventive coating is applied on to it.

For coastal areas - due to higher moisture - rusting is a common phenomenon on iron & steel products. Additional is the sea water proximity - the presence of salt acts as a catalyst, accelerating the corrosion chemical reaction process.

Galvanized steel is protected because there is a protective Zinc coating on it. The Zinc functions in two ways after binding to the steel: first, it protects the metal from the atmosphere, and second, it provides cathodic protection.

Galvanizing stainless steel is popular because it has a low initial cost and it requires little maintenance throughout its lifetime. In addition, the ease of application is something that's very appealing to steel suppliers. That's an incredible value, especially when you consider that corrosion and rust costs the U.S. economy billions of dollars every year.

India too loses about 4-5% of GDP every year on account of losses due to corrosion.

Story of Indian Car Makers

However, with reference to cars - there are enough corrosion resistant coatings applied by car manufacturers globally in all critical areas, including body panel and underbody of car, to prevent rust. Galvanized material with rust resistant alloys and preventive coatings are measures used in cars to provide long lasting output without any corrosion.

When Indian car makers export the same model, it is galvanized since a number of countries have set norms for using only galvanized steel in automotive industry. But the same Indian car maker sells vehicles with not more than 30% galvanized steel to Indian customers, because they are not aware of it and neither any norms are set in India.

Unfortunately, five Indian prominent car models have got zero star ratings in crash tests conducted by the Global New Car Assessment Programme (Global NCAP). The results, released in New Delhi very recently, showed low levels of adult occupant protection in the five models. Global NCAP participated in a two-day conference on road safety hosted by the Institute of Road Traffic Education in Faridabad.

Can the Safety be Compromised - Corroded cars invite accidents

The safety of passengers in cars is generally measured by the presence of seat belts, airbags, crumple zone and shock absorbing capacity. Knowing that more than 50%

of total weight of an average vehicle is of steel, how much that steel is galvanized is the question, and why not.

Experienced steel suppliers will tell you that galvanization is one of the best tools to protect steel from corrosion, but here are some more facts that might surprise you.

But if your car catches rust or corrosion, it is like termite, a cancer. If you detect it in initial stages, something can still be done. But if it is late, it actually reduces your car as junk. There are many parts in the car that are beyond the reach of regular check-ups and that is where the problem is more.

A small patch of rust or corrosion you see on your car isn't just unpleasant to look at. Once rust lodges inside the microscopic holes in your car's metal, it can also corrode and damage not just the surface, but also your car's critical parts as well.

Rust can lead to brittleness and weaken metal over time. This can dissolve crumple zones that are designed to absorb energy in case of a collision. When this happens, then you and your family's safety become compromised too.

There are three areas where rust can often be seen in a car.

First, it can be found on surfaces where the car's paint has been chipped, thus, exposing the metal. Second, it

can be found on the frame and chassis. Third, rust can be found on the trunk and engine parts, particularly in the intakes and connectors.

To add, despite being a state of art engineering with finest mobility revolutions, the vehicle also has flipside due to people losing lives in road accidents. Around 10 lakh people lose life every year in road accidents around the world. Over 30 lakh people get injured or hurt to life-long disability every year due to road accidents.

History of Galvanization—The present context

Galvanized steel didn't just appear out of nowhere. The term galvanization is named after Italian scientist Luigi Galvani. It is named such because it refers to any number of electrochemical processes, which happened to be Galvani's specialty.

Galvanizing has evolved over the years. In current times, galvanization is more of an electro-deposition term than electro-chemical. And Zinc is the primary material used in the process. In recent years, science has allowed many new advances in the way metal is protected from the elements.

Global Studies on Rusting and Corrosion of Car Bodies

As per IIHS (Insurance Institute for Highway and Safety) - death percentage in case of smaller and compact cars is twice when compared to bigger sedans and vehicles.

In this race of building economical, affordable cars to have higher sales and better margins – some manufacturers are using economy grade material and this has come up when bodies like Global NCAP and Euro NCAP have released a report that some cars sold in India and other developing countries are so weak in body structure that even an airbag would be of no use.

Although – body weight on stand-alone basis does not signify how safe a car is. But – yes it does signify the probability of how strong the car is. The strong structural ability of the car comes with higher grade steel which is used in the car.

NACE International released the "International Measures of Prevention, Application and Economics of Corrosion Technology (IMPACT)" study, in which it estimated that the global cost of corrosion to be US\$2.5 trillion, equivalent to roughly 3.4 percent of the global Gross Domestic Product (GDP). The two-year global study released at the CORROSION 2016 conference in Vancouver, B.C., examined the economics of corrosion and the role of corrosion management in establishing industry best practices. The study found that implementing corrosion prevention best practices could result in global savings of between 15-35 percent of the cost of damage, or between \$375-875 billion (USD).

Looking beyond corrosion's cost to businesses and



industries worldwide, IMPACT assessed corrosion management practices across various industries and regions. Specifically, the study examined the oil and gas, pipeline, automobile industry and drinking & wastewater industries, as well as the U.S. Department of Defense.

Corrosion Management Systems (CMS) address the threat of corrosion for existing and future assets across the complete lifecycle of the asset, from design to decommissioning. The IMPACT study notes CMS best practices for companies including: corrosion management systems that are integrated with organization policy overall; corrosion management information is made available to everyone within the organization and linked to its overall goals, and organizational leadership is actively involved in corrosion management decision making.

The study also identified the need for more corrosion management professionals. In fact, University of Akron in Ohio provides the only bachelor's degree in corrosion engineering, with its first class graduated in 2015.

"There needs to be a renewed sense of priority for corrosion engineering amongst employers and educators," says Jim Feather, NACE International President. "NACE has provided training and professional development to tens of thousands of engineers and professionals in more than 130 countries, but the industry needs more academic programs and more universal means of communications across all levels of business."

Combating Rust and Corrosion in Automobile Sector - What can be done

A new BIS Standard for Automotive Steels is awaited. The proposed Standard will require car companies manufacturing cars in India to use one of several Zinc coated steel options for cars sold domestically. However, until this BIS Standard is released, car manufacturers are not obliged to use galvanized steel.

Immediate action points:

1. In the interest of passengers' safety and also giving value to customers, there should be a minimum of 70% use of galvanized steel in the automotive industry.
2. To educate the importance of using rust-proof or corrosion resistant vehicles, the auto-insurance policy should also give weightage to standard of rust-proof or corrosion resistant vehicle.
3. This will not only reduce the junk being produced worth billions of dollars in India but would also set environment friendly norms for vehicles of next generation.

Cars – an Art of Engineering

Car-makers have to consider a range of factors when designing a car including weight, strength, perceived quality and ease of repair & construction. A car made of the most exotic materials might be incredibly strong and light, but it'll cost a small fortune to produce. Manufacturers often need to use a mixture of materials in one car to achieve their goals.

Car is one among the finest Art of Engineering that has been introduced by Karl Benz by end of 19th Century. The finest mobility option is continually being improvised with modern features, styling with impressive performance and so far has reached a stage where almost 8.5 crore passenger cars are sold every year globally.

Cars are a well-crafted technology oriented machine, with a strong build and design. Though having side door beams and front crumple zones reduces the energy impact, but without a strong body structure – all is in vain. Car you own has strong shock absorbing body structure to absorb the energy force generated in the event of crash.

Your Lifestyle Drives Your Car – Protect from Corrosion

Your lifestyle is an important factor when it comes to your vehicle. Will you solely use your car for rugged purposes, like delivering goods in provinces? Or will you regularly drive it for outdoor trips? If you do, then you risk exposing your vehicle to hurling rocks, water, and uneven bumps on the road. And they all can chip away your car's protective coating.

Rustproof protection is very much needed if you can't clean your car regularly. A dirty vehicle, especially one with hardened dirt, tree sap, bird droppings, and even dead insects, can ruin your car's paint. And when you leave them to dry up (and exposed to the sun's heat), then they can corrode the metal and damage your car.

Although protecting body panels and vehicle frames against rust is important, the best rust inhibiting products also protect electrical areas such as battery terminals, wiring harnesses, switches and plugs from moisture.

Keeping these areas protected with the right type of product will greatly reduce repair costs and vehicle breakdowns. Lubrication of moving mechanical parts like brake cables, suspension components, and door hinges is another benefit of a good rust inhibitor / lubricant.

So if your car hasn't succumbed to rust yet, there's a good chance that galvanized steel is to be thanked for its long life.

Have a safe drive - be safe, for your-own-self and for your family.

Hindustan Zinc to Install 2 New Mills with an investment of Rs. 600 crore

Authored by : Devika Gupta

The additional +3 Million Tonne Mill Capacities to Ramp-Up Metal Production. Two New Shafts being commissioned at Rampura Agucha and Sindesar Khurd mines. Shaft at Sindesar Khurd has already been commissioned and shaft at Rampura Agucha will be commissioned by Q3 of FY 2019. This will increase ore production capacities. Rs. 3500 crore invested in building both the shafts.



After the commissioning of new mills, the ore treatment capacity will increase to 17.7 million tonnes from the current 14.7 million tonnes per annum. Both the new mills are expected to start production in FY 2019.

Moving towards a fully under-ground mining Company by FY 2019, the company aims to produce 1.2 million tonne metal production on immediate basis and eventually to 1.5 million tonnes in next 5 years. Three Fumer plants are being set-up, out of which one is likely to be commissioned soon. This will increase metal production through recovery process – particularly Lead and Silver.



India's only and world's leading Zinc producer, Hindustan Zinc, is all set to install 2 new mills in Rajasthan with a joint capacity of 3 million tonnes of ore-treatment with an investment of Rs. 600 crore.

The new mill is being commissioned at Zawar Mines and post setting up of new mill of 1.5 million tonnes, the ore treatment capacities would increase to 4.0 million tonnes.

Zawar has 4 mines with combined ore production capacity of 4 million tonnes which is being expanded to 8 million tonnes in the next 5 years through mechanisation and switching over to trackless mining.

Second mill of 1.5 million tonnes is being conceptualised at Sindesar Khurd mine in Rajsamand district in Rajasthan. Sindesar Khurd mine's current ore treatment capacity is 4.5 million tonnes, and post commissioning of the new mill of 1.5 million tonnes would increase to 6 million tonnes.

Sindesar Khurd mine is known for its silver production and is the most mechanized mine in India. The ore production at silver rich Sindesar Khurd mine is being expanded from the current capacity of 4.5 million tonnes to 6 million tonnes.

Zawar Mill is expected to be commissioned by Q3 of FY 2019

After the commissioning of new mills, the ore treatment capacity will increase to 17.7 million tonnes from the current 14.7 million tonnes per annum.

Hindustan Zinc is expanding all its 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. Zawar mine is all set to reach the capacity of 8 million tonnes in the next 5 years from current capacity of 4 million tonnes. 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 to 1.2 million tonnes.

Hindustan Zinc is transitioning to become a fully Under-Ground Mining Company by FY 2019.

Rampura Agucha Mine of the Company, the world's second largest zinc producing mine and responsible for 75% of company's total output and also the only open-cast mine in the portfolio, is gradually moving to underground mine operations. The 955 meters depth shaft sinking work at Rampura Agucha Mine has already been completed and the equipping and development is in progress. The shaft is likely to be commissioned by Q3 of FY 2019.

The shaft sinking work at Sindesar Khurd mine has already been completed and commissioned and the shaft has reached a depth of 1050 meters.

After the commissioning of new mills, the ore treatment capacity will increase to 17.7 million tonnes from the current 14.7 million tonnes per annum.

"Setting up of new mills is part of our plan to match growing demand of Zinc in India. With +3 million tonnes of additional treatment of ore, we would be able to increase substantial volume of metal. We are on our course to produce 1.2 million tonnes of metal and moving steadily to produce 1.5 million tonnes. We are investing close to Rs. 600 crore to set up these two new mills. Our Fumer Plant is also on track for commissioning soon. This will give us technology to extract Lead and Silver from waste"



Mr. Sunil Duggal
CEO, Hindustan Zinc

The Company is also setting up Fumer Plant-an environment friendly project to further improve recovery of metals which will also boost its metal production, particularly Lead-Silver with an investment of Rs. 570 crore. This process will also produce Pyro metallurgical Slag which will be utilised in Cement. The company has plans to put-up three Fumer plants overall at its locations in Rajasthan.

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 4.5 million tonnes by 2019-20, which was 6.15 million tonnes as on 31st March 2017.

Though ore production capacity of all the mines put together is 16.45 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 17.7 Mtpa in the next three years, i.e. by FY 2020.

According to the metals and mining analyst, the grade at Rampura Agucha open cast mine is 13.9 percent and the under-ground mine would also be 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.

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.

The global zinc market is expected to grow at a CAGR of 3.96% during the period 2017-2021. The zinc consumption in India too is 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, defense, agriculture, metro railways will also drive zinc consumption in India.

Hindustan Zinc to Commission 2 New Mills with an investment of ₹600 crore

The additional +3 Million Tonne Mill Capacities to Ramp-Up Metal Production. Two New Shafts being commissioned at Rampura Agucha and Sindesar Khurd mines. Shaft at Sindesar Khurd has already been commissioned and shaft at Rampura Agucha will be commissioned by Q3 of FY 2019. This will increase ore production capacities.

Rs. 3500 crore invested in building both the shafts.

INDUSTAN ZINC is setting up two new mills at Rampura Agucha and Sindesar Khurd mines in Rajasthan. The company is investing ₹600 crore to set up these two new mills. The shaft at Sindesar Khurd has already been commissioned and the shaft at Rampura Agucha will be commissioned by Q3 of FY 2019. This will increase ore production capacities. The company is also setting up Fumer Plant-an environment friendly project to further improve recovery of metals which will also boost its metal production, particularly Lead-Silver with an investment of Rs. 570 crore. This process will also produce Pyro metallurgical Slag which will be utilised in Cement. The company has plans to put-up three Fumer plants overall at its locations in Rajasthan.

After the commissioning of the new mills, the ore treatment capacity will increase to 1.2 million tonnes per annum (MTPA) from the current 0.8 MTPA. The company is also investing ₹3500 crore in building both the shafts.

Three Fumer Plants are being set-up, out of which one is likely to be commissioned soon. This will increase metal production through recovery process - particularly Lead and Silver.

After the commissioning of the new mills, the ore treatment capacity will increase to 1.2 million tonnes per annum (MTPA) from the current 0.8 MTPA. The company is also investing ₹3500 crore in building both the shafts.

Hindustan Zinc set to commission two mills

After the commissioning of the new mills, the ore treatment capacity will increase to 1.2 million tonnes per annum (MTPA) from the current 0.8 MTPA. The company is also investing ₹3500 crore in building both the shafts.

Hindustan Zinc to commission two new mills, invest ₹600cr

After the commissioning of the new mills, the ore treatment capacity will increase to 1.2 million tonnes per annum (MTPA) from the current 0.8 MTPA. The company is also investing ₹3500 crore in building both the shafts.

Hindustan Zinc invests ₹600 cr in 2 new mills

After the commissioning of the new mills, the ore treatment capacity will increase to 1.2 million tonnes per annum (MTPA) from the current 0.8 MTPA. The company is also investing ₹3500 crore in building both the shafts.



Hindustan Zinc Football Academy organized the closing ceremony of its 24-days Residential Team Zinc Football Camp at Chittorgarh on 3rd February, 2018. The event was attended by the Chief Guest, Mr. Annanya Agarwal - President, Vedanta Football Project and son of Mr. Navin Agarwal - Chairman, Vedanta Limited. He is spearheading the Football Sports in all Group Companies of Vedanta. Mr. Annanya has a vision to create world class Football players out of India and wants to aid in India's qualification in World Cup Football. Mr. Agarwal also attended Zawar Football Festival on 2nd February, 2018 at Zawar Mines.

“Hindustan Zinc Football Academy will nurture Football Talent for National & International Exposure” - Annanya Agarwal

During the event, Mr. Annanya Agarwal said – “There is a huge

talent that is hidden in rural and tribal areas, unexplored and they just need guidance, support and opportunities. I am happy to see that through Hindustan Zinc Football Academy, we are opening the prospects for these aspiring footballers. It is also heartening to receive such a good response from their families and the enthusiasm of both participants & coaches is stimulating. I am confident that some of these players have the potential to be selected for the national football team & clubs and would also be eligible to participate in international football tournaments in future.”

So far, the Academy has short-listed 56 children through 23 Talent Scouting Camps that saw the participation of over 3000 children from Udaipur, Bhilwara, Chittorgarh, Rajsamand and Ajmer. These identified 56 children joined the 24-days Camp at Chittorgarh that started from 10th January, 2018. Hindustan Zinc has tied-up with 'The Football Link Sport' for setting-up this state-of-the-art Football Academy.





Zinc can protect your children's eyesight...

Authored by : Pavan Kaushik

Children have especially high Zinc needs because they are growing rapidly. Fatigue, insufficient appetite, delayed development, poor attention spans, and increased susceptibility to infection are sometimes quite visible.

Even among adults, with long working hours and chronic stress, computer vision syndrome & digital eye strain are common issues. Headache, blurred vision, irritation, extra tearing, excessive blinking and even neck pain could also be symptoms of Zinc deficiency.

In the last decade, excessive use of computers, smartphones, laptops and video games have become common with children. Numerous studies have linked increased time spent by children indoors with greatly reduced outdoor activity time, as the key factor contributing to the rapid deterioration in children's eyesight.

Studies indicate that intense blue light of electronic devices may cause damage to the retina of the eye. This heavy exposure in children could possibly lead to early onset macular degeneration which is a leading cause of blindness in future.

As children's eyes are still developing, the blue light is able to penetrate efficiently & directly into the retina. Though blue wavelengths are crucial during daylight as they boost attention, reaction and mood, but they are disastrous at night as they interfere with circadian rhythms and disrupt sleep.

It is very sad to note that in India over 25% of childhood blindness is due to nutrient (primarily Vitamin-A) deficiency.

Many dietary supplements can improve vision, protect the retina and the eye lens, like Vitamin-E, Vitamin-C, and the trace minerals - Selenium & Zinc.

Zinc, the essential trace mineral, or 'helper molecule', is vital for eye health. Zinc is highly concentrated in the eye, mostly in the retina and choroid, the vascular tissue layer under the retina. It plays a crucial role in bringing vitamin-A from the liver to the retina in order to produce melanin, a protective pigment in the eyes.

At the cellular level, Zinc regulates the communication between retinal cells and controlling channels that allow ions to flow in and flow out of cells. The retinal pigment epithelium is a barrier that transports nutrients into the retina. It can only function when Zinc-dependent proteins are present.

Children have especially high Zinc needs because they are growing rapidly. Fatigue, insufficient appetite, delayed development, poor attention spans, and increased susceptibility to infection are sometimes quite visible.

Even among adults, with long working hours and chronic stress, computer vision syndrome & digital eye strain are common issues. Headache, blurred vision, irritation, extra tearing, excessive blinking and even neck pain could also be

symptoms of Zinc deficiency.

In fact research has shown that over 285 million people in the world suffer from visual disorders, including visual impairment thus making crucial to focus on vision health.

Zinc has been shown to protect against age-related macular degeneration, night blindness, damage to optic nerve, impaired vision, poor night vision and cloudy cataracts. A person with Zinc deficiency in the body is also at risk for alopecia (loss of hair from eyebrows and eyelashes), mental sluggishness and increased susceptibility to infection.

Because Zinc is found in high concentrations in the eye, it is known to play a large part in eye health. Researchers have discovered that taking Zinc, along with various other antioxidants, could lower the risk of developing age-related macular degeneration by about 25%.

Studies published in the African Journal of Food, Agricultural, Nutrition and Development, have found that Zinc deficiency may be implicated in the high prevalence of cataract formation. The incidence of cataract development is more common in tropical countries due to the pronounced exposure to sunlight, and Zinc has the ability to protect the lens of the eye from oxidative damage. Cataract is in fact responsible for around 60% cases of visual impairment in India.

Zinc deficiency not only affects vision but has been ranked amongst the leading risk factors towards causing diseases worldwide. The underdeveloped nations regularly suffer from high mortality rates since Zinc deficiency causes childhood diarrhoea and pneumonia.

Experts recommend daily Zinc consumption of 8 milligrams (mg) for women and 11 mg for men. Good food sources of Zinc include nuts, seafood, spinach, mushroom, milk, yoghurt, eggs, cocoa, black-eyed peas, tofu and wheat germ.

Hindustan Zinc is India's only and the world's second largest integrated Zinc producer, proudly known as Zinc of India...

Truly, we all have Zinc in our lives...

Ask for ZINC
... A to Zinc in our lives...

BE SAFE SURAKSHIT RAHIYE

अपने लिए और अपनों के लिए...



As part of bringing safety in focus, on 1st February 2018, Hindustan Zinc and All India Radio Rajasthan launched 'BE SAFE – SURAKSHIT RAHIYE' program on All India Radio across Rajasthan through 19 Radio Stations.

100 programs with numerous promos have been broadcast in 2 months, reaching out to almost 100% of radio listeners.

Safety Endorsed by :

Hon'ble Prime Minister of India – **Mr. Narendra Modi**

Hon'ble Union Minister, MORTH – **Mr. Nitin Gadkari**

Hon'ble Minister, Rajasthan-Devasthan – **Mr. Raj Kumar Rinwa**

Hon'ble Minister, Rajasthan-Rural Development – **Mr. Rajendra Singh Rathore**

H/E Srijji Arvind Singh Ji Mewar, Udaipur

Chairman, Vedanta Resources – **Mr. Anil Agarwal**

Collector, Ajmer – **Mr. Gaurav Goyal**

Collector, Bhilwara – **Mr. Muktanand Agarwal**

Collector, Udaipur – **Mr. Bishnu Charan**

Collector, Sirohi – **Mr. Sandesh Nayak**

DM, Banswara – **Mr. Bhagwati Prasad Kalal**

Police Commissioner, Jaipur – **Mr. Sanjay Agarwal**

SP, Banswara – **Mr. Kalu Ram Rawat**

SP, Jhalawar – **Mr. Anand Sharma**

SP, Jaisalmer – **Mr. Gaurav Yadav**

SP, Bharatpur – **Mr. Anil Tak**

Additional SP, ATS, Udaipur – **Mrs. Rano Sharma**

OSD to CM, Rajasthan – **Mr. Arijit Banerjee**

RTO, Udaipur – **Dr. M.L. Rawat**

CEO, Zila Parishad Banswara – **Mr. Harsh Savan Sukha**

Sr. Neuro Surgeon, SMS Hospital, Jaipur – **Dr. Pankaj Gupta**

Cab Driver – **Mr. Manpuri Goswami**

From Hindustan Zinc, senior management also expressed their views on Safety

CEO-Mr. Sunil Duggal, CFO-Mr. Amitabh Gupta, COO -Mr. Laxman Shekhawat, Mr. Rajendra Dashora –Site President, Rampura Agucha, Mr. V. Jayaraman - Head, EOHS, Mr. Chetan Trivedi – Head IT, Mr. K.C. Meena – Site President, RDC, Mr. Rajesh Kundu - Site President, Zawar Mines, Mr. Pavan Kaushik – Head Corporate Communication, Mr. Akhilesh Shukla - Head CRDL, Mr. Sanjay Sharma-AVP, HR, Ms. Jayita Roy - Deputy HR Head, HO, Mr. V.P. Joshi - Head Safety, Mr. Manoj Nashine – Unit Head, Debari, Mr. Pavan Dodhial - Head Commercial (Projects), Mrs. Neelima Khetan-Head CSR, Mr. C. Chandru-Unit Head, Pantnagar Metal Plant and Mr. Karunakar Gandarapu – GM Exploration

Five Star Rating awarded to RDM & RAM



Rajpura Dariba Mine and Rampura Agucha Mines received 'Five-star Rating' for exemplary performance in implementation of Sustainable Development Framework during 3rd National Conclave on Mines & Minerals, at a glittering ceremony in New Delhi on 20th March, 2018. The prestigious award was presented by Hon'ble Union Minister of Mines - Mr. Narendra Singh Tomar. The conclave was organized by Ministry of Mines, Government of India where around 1043 mines participated from all over India. The Star rating system evaluates performance of mines on technical, socio-economic, environmental parameters; final and progressive mine closure and adoption of international standards with the objective to bring standardisation in mining operation and for minimising impacts of mining. On behalf of Hindustan Zinc, the award was received by Mr. L.S. Shekhawat - COO, Mines, Mr. Rajendra Dashora – Site President, RAM and Mr. S.K. Khator - Unit Head, Rajpura Dariba Mine.

Hindustan Zinc received Exporter with Best Risk Management Practices Award - 2017

Hindustan Zinc received the award for 'Exporter with Best Risk Management Practices' during the ECGC Indian Exporters' Excellence Awards 2017 organized at ITC Maurya, New Delhi on 6th March, 2018. The Award was presented by Mr. Suresh Prabhu - Hon'ble Union Minister of Commerce and Industry to Mr. Vijay Jayarama Murthy – Dy. Chief Marketing Officer

and Mr. T.R. Gupta – AVP, Corporate Affairs on behalf of Hindustan Zinc.

The award ceremony saw participation of over 1590 companies in different categories.

ECGC Ltd. has instituted 'ECGC-Indian Exporters' Excellence Awards 2017' to recognize the contribution made by India Exporters in building brand India as well as making the government's vision of 'Make in India' a reality. The esteemed Jury members of Award Function comprised of Mrs. Rita Teotia - IAS, Commerce Secretary and Ms. Geetha Muralidhar - CEO & MD of ECGC.



**WE SCORE
GLOBALLY**

HZL included as a Member in Sustainability Year Book

Hindustan Zinc is one of amongst the 9 Indian Companies to make it to Global Sustainability Yearbook and the only Indian Company in Metal and Mining sector.

Every year since 2004, The Sustainability Yearbook has listed the world's most sustainable companies in each industry as determined by their score in Dow Jones Sustainability Index (DJSI) assessment (RobecoSAM is the agency who does the assessment). This year 2479 companies in 60 industry sector from 43 countries were assessed and 478 companies qualified for inclusion in RobecoSAM's The Sustainability Year Book 2018.

Hindustan Zinc was ranked 11th globally with a percentile score of 82 in Dow Jones Sustainability Index (DJSI) and also ranked 3rd globally in Environmental dimension, in the Industry Group - Mining and Metal. Inclusion in Sustainability Year Book is a matter of pride and recognition of the efforts and initiatives of the company for a sustainable and responsible corporate.



Hindustan Zinc's 4 units received 8th Rajasthan Energy Conservation Award 2017 by Government of Rajasthan

Four units of Hindustan Zinc received 8th Rajasthan Energy Conservation Recognition Award 2017 under various categories, in a glittering function held in Jaipur on 14th December, 2017 on the occasion of Energy Conservation Day.

The awards were presented by Mr. Shreemat Pandey - Chairman, Discoms, Mr. R.G. Gupta - MD, Discoms and Mr. B.K. Doshi - MD, RRECL.

The awards received by Hindustan Zinc are as follows:

Sindesar Khurd Mine received Second Prize in Large Scale Mining Sector. Mr. B.K. Sharma - AGM, OD and Mr. Pitamber Verma - AM, Electrical received the award.

Rampura Agucha Mine received First Prize in Large Scale Mining Sector. Mr. Ram Lal Jat - AGM, OD and Mr. Ramesh Chand Sharma - AM, Electrical received the award.

Yashad Bhawan received Recognition Certificate in Energy Conservation Building Directives (ECBD) in compliant building category. Mr. Rajeeb Swain - Technical Head, Projects, Fertilizer and Mr. Bharat Saxena - AM, Environment, Corp. EOHS received the certificate.

Zawar CPP received Recognition Certificate in Large Scale Power Plant Sector. Mr. Himanshu Chasta - AM, Electrical received the certificate.

The award was organized by Rajasthan Renewable Energy Corporation Limited (RRECL), Government of Rajasthan.

Hindustan Zinc receives ICICI Lombard and CNBC TV 18 - India Risk Management Award 2018



Hindustan Zinc received The India Risk Management Award 2018 for Best Risk Management Framework & Systems – Sustainability on 19th January, 2018 in New Delhi. On behalf of Hindustan Zinc, Mr. Amitabh Gupta - CFO, Mr. Laxman Shekhawat - COO, Mines and Mr. V.P. Joshi – Head Safety & Sustainability, received the award. Presented by ICICI Lombard and CNBC TV 18, the India Risk Management Awards - 2018 recognizes the companies that

have developed best in class risk management practices and capabilities across business categories. The award has been conferred to Hindustan Zinc for implementing best risk management practices in Sustainability. The jury for India Risk Management Awards 2018 included Mrs. Arundhati Bhattacharya – Former Chairman, SBI.

Hind Zinc School, Chittorgarh received School Stakeholders Award 2017

Hind Zinc School, Chittorgarh received School Stakeholders Award 2017 on 21st January, 2018. The Award was presented by Mr. Anil Swarup - Secretary, Department of Education, MHRD, Govt. of India during India Education Leadership Summit & Awards organised by Mr. Dinesh Kamra - CEO, Alert Knowledge Services in New Delhi. The school was selected at National Level out of various other institutions participated across the country. The awards were received by Hindustan Zinc under various categories - Mr. Rohit Agarwal - AGM, Finance received the award under Management Category; Dr. Bindu Nair - Principal received the award under Principal Category; Mr. M.R.V. Jha - Teacher received the award under Teacher Category; Mr. Ritish Shri Rao - Student received the award under Student Category; Dr. Soniya Jain - Parent received the award under Parent Category.



Hindustan Zinc receives ET Now CSR Leadership Awards - 2018



Hindustan Zinc has received ET Now CSR Leadership Awards - 2018 in Best CSR Practices Category organized by World CSR Day on 18th February, 2018 at Hotel Taj Lands, Mumbai. The esteemed Jury members of Award Function especially highlighted and appreciated Hindustan Zinc's two of the flagship programs - Sakhi and Shiksha Sambal. On behalf of Hindustan Zinc, the award was received by Mr. Vijay Jayarama Murthy - Dy. Chief Marketing Officer from Dr. R.L. Bhatia - Founder, World CSR Day & World Sustainability. Mr. Mukul Bedi - Country Manager, Marketing also gave the presentation on Hindustan Zinc's various

Community Development initiatives which was well received by the audience.

Hindustan Zinc declares interim dividend of Rs. 3051 crores

Declaration of 300 percent interim dividend - Rs. 6 per share on a Rs. 2 share for the current fiscal

Hindustan Zinc (HZL) declared an interim dividend of Rs. 6 per share for the current fiscal on 16th March, 2018. The board of directors has approved second interim dividend of 300 percent i.e. Rs. 6 per share, entailing an outflow of Rs. 3,051 crores. In March 2017, Hindustan Zinc announced a Special Dividend of Rs. 13,985 crores. In FY 2016-17, together with Golden Jubilee dividend paid in April, 2016 and interim dividend in October, 2016, the dividends paid in FY 16-17, amounted to Rs. 27,157 crores, the highest ever paid in India in a financial year by any private company.

Par Excellence Award to PMP

Hindustan Zinc's Panthnagar Metal Plant received Par Excellence Award in 5S & Kaizen in the 5th National Enclave on 5S organized by Quality Circle Forum of India. Over 75 companies from all over the country participated in the conclave held at BIT, Sathyamangalam, Coimbatore (Tamil Nadu) on 9th -10th February, 2018. The theme for the conclave was - Enhance Global Competitiveness through 5S. On behalf of Hindustan Zinc, the award was received by Mr. V.K. Singh - Head, Refractory & Civil, Mr. S.K. Rahaman - Associate Manager, Zinc Plant and Mr. Rajesh Dabi - Junior Executive, Silver Plant.



Zawar Mines - CPP awarded by Society of Power & Energy Professionals



Captive Power Plant (CPP) of Zawar Mines received 2nd and 3rd Prizes for Technical Paper and Case Study Content under the theme 'Energy Efficient Plant for Business Sustainability' in 3rd International Conference of Society of Power & Energy Professionals. The conference was held at Hotel Royal Orchid in Mumbai where Mr. Mangilal Sharma - Associate Manager, Operation and Mr. Ashish Dewangan - Associate Manager, Instrumentation presented case studies on 'Improving Turbine Efficiency by Implementation of Brush Seals' & 'Design of Duct to Reduce Pressure Drop and Erosion on Duct Wall' on behalf of Hindustan Zinc.

HZL receives Gold for Solar Power Projects

Hindustan Zinc's Solar Power projects at Dariiba (4.8 MWp) and Debari (14.4 MWp) have been awarded - Gold Award in the Rising Category as Best Performing Project of the Year (Technical Performance) on Utility Scale Solar Energy at the RE ASSETS Excellence Awards Summit held in Delhi on 2nd February, 2018. The awarded was presented by Mr. G.K. Gupta - Joint Secretary, Ministry of Renewable Energy accompanied by Dr. Ketan Shukla - Joint Secretary, Ministry of External Affairs. On behalf of Hindustan Zinc, the award was received by Mr. M. Vinoth - Team Member, CSC CPP Renewable.



Being SAFE

Be Safe for Your families ... Your family needs You

"As one person, I cannot change the world, but I can teach and change a life"
...one person...one child...one school...at a time.

"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...



Today's children will craft the future of tomorrow and bring about the change in the system and mind-sets. Thus, Corporate Communication team extended 'Being Safe' initiative to reach the children of Rajasthan state and inculcate the message of safety which the children take to their parents, families and communities.

On 28th February, 2018, Corporate Communication team conducted the 21st Being Safe Workshop at Maharana Mewar Public School Udaipur with 225 students of classes 8th and 9th. The school belongs to His Highness Arvind Singh Ji Mewar, the Royal Family of Mewar. The workshop included presentation, short films screening, story-telling and interactive discussions. The feedback was amazing as 100% students loved the Being Safe interaction.

Along with industrial safety, Being Safe also talks about how people take their safety for granted while travelling on road. How risk factor has become a source of thrill and there is a complete disrespect to rules and regulations. By showcasing real life photographs of how the citizens all over the country take their safety for granted, there is acceptance of being guilty towards disregard to safety and realization of that the incidents & accidents do not come with prior notice, they happen only because we fail to take notice of the causes of such unsafe acts.

Conceptualized as part of communication project, Being Safe workshops have so far touched the lives of about 3500 contract & regular employees, school children and families through 21 on-ground interactions.



TELEGRAM

ON SUSTAINABILITY

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

The Evolution of Scaffoldings...



Wooden Scaffoldings in Egypt

The earliest recorded use of scaffoldings was in the 'Land of Civilization', Egypt. Egyptians used wooden scaffolding to lift stones and place them at right places, to build pyramids. Modern day scaffoldings are made up of metal, steel and alloy to cater to construction of tall buildings and skyscrapers.

How Airbags came into existence...



Airbags were invented by John W. Hetrick in year 1951. Initially, these Airbags were just Air-Filled Bladders, however, they became the basis of Airbag designed today. Nowadays, many advanced Airbag technologies are developed depending on the severity of crash, size & posture of driver and belt usage.

Significant Invention of Cap Lamps...

Before 19th century, miners used open flames such as candles or small lamps that were hung near their work area. In 1913, Thomas Alva Edison, designed first electric Cap Lamp for miners, whose battery lasted for 12 hours. Today, most mining personnel use LED Cap Lamps with lithium batteries.



EDISON'S CAP LAMP

The Origin of Road Safety Lines...

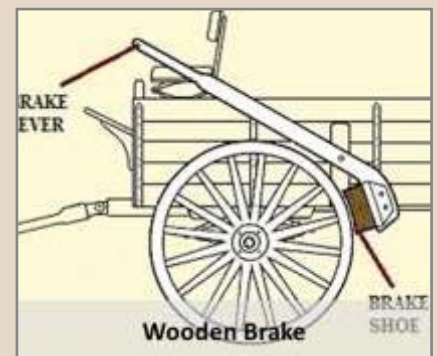
The first white coloured Road Safety Line was invented in United States, in 1911, by Edward Hines. The idea came to him after he watched a leaky milk truck making its way down the road. Nowadays, two colours, Yellow and White, are used on roads granting different permissions to drivers.



An old White coloured Road Safety Line

How Brakes got evolved throughout the History?

The earliest brake system consisted of a simple lever that moved a block of wood against the wheels to stop a vehicle moving at speed of 10-20 mph. Disc Brakes, first patented in 1902 by William Lanchester, applies a great amount of friction to the wheels to stop the car.



Wooden Brake

Ambulance - The Most Remarkable Invention in Safety...

The history of Ambulances begins in ancient times with the use of carts to transport incurable patients. First ever Ambulance was created by Frenchman Jean Larrey, surgeon-in-chief in Napoleon's army, in year 1792. The simplest designs of ambulances nowadays are equipped to provide Basic Life Support and Advanced Life Support.



Horse driven Ambulance



हिन्दुस्तान जिंक के मुख्य कार्यकारी अधिकारी श्री सुनील दुग्गल ने चंदेरिया लेड जिंक स्मेल्टर में 30 जनवरी, 2018 को टाउन हॉल मीटिंग के अंतर्गत कर्मचारियों से सुरक्षा पर बातचीत की। उन्होंने कहा कि सुरक्षा सिर्फ अनुपालन तक सीमित ना हो बल्कि व्यवहार में सुनिश्चित हो। श्री दुग्गल ने हिन्दुस्तान जिंक की चंदेरिया ईकाई में सुरक्षा को लेकर आ रहे निरंतर सुधार की सराहना करते हुए आशा व्यक्त की कि हिन्द जिंक परिवार का प्रत्येक व्यक्ति स्वयं के साथ साथ समाज के प्रत्येक व्यक्ति की भावना में भी सुरक्षा को प्रमुखता से लाएं। उन्होंने स्कूलों में बच्चों को सुरक्षा के ब्राण्ड एंबेसेडर बनाने और सुरक्षा का दायरा बढ़ाने का आह्वान किया। कार्यक्रम में जिंक नगर महिला क्लब द्वारा सुरक्षा नियमों पर आधारित नुक्कड़ नाटक की प्रस्तुति दी गई जिसमें सुरक्षा के नियमों की पालना कार्यक्षेत्र से लेकर घर तक करने का संदेश दिया। प्रश्नोत्तर सत्र में श्रमिक साथियों ने विविध विचार प्रस्तुत किये जिन्हें कम्पनी प्रबंधन ने यथोचित समाधान करने हेतु अपनी प्रतिबद्धता व्यक्त की। इस अवसर पर सुरक्षा व गुणात्मक कार्य प्रणाली क्रियान्वयन हेतु पांच कर्मचारियों को मुख्य कार्यकारी अधिकारी एवं शीर्ष प्रबंधन समूह द्वारा पुरस्कार देकर सम्मानित किया गया।

इस टाउन हॉल में कम्पनी शीर्ष प्रबंधन समूह के अधिकारीगण मुख्य प्रचालन अधिकारी माईन्स – श्री लक्ष्मण शेखावत, मुख्य वाणिज्यिक अधिकारी – श्री रामकृष्ण काशीनाथ, एचएसई प्रमुख – श्री वी. जयरमन, लोकेशन हेड – श्री विनोद वाघ, मजदूर संघ के महामंत्री – श्री घनश्याम सिंह राणावत सहित अधिकारी एवं कर्मचारी उपस्थित थे।

प्रशासनिक भवन कार्यालय दरीबा माईन्स परिसर में 28 फरवरी, 2018 को सी.ई.ओ टाउन हॉल मीटिंग का आयोजन किया। इस कार्यशाला का आगाज सुरक्षा शपथ के साथ हुआ समारोह के मुख्य अतिथि हिन्दुस्तान जिंक के मुख्य कार्यकारी अधिकारी – श्री सुनील दुग्गल ने कहा कि हम कर्मचारियों, अधिकारियों के साथ ही समाज तथा आसपास के क्षेत्र के निवासियों को सुरक्षा के प्रति भावना विकसित करने का प्रयास कर रहे हैं।

इस अवसर पर हि.जिं.लि. डी.ए.वी. सीनियर स्कूल के छात्र-छात्राओं ने एक नाटक के माध्यम रोड सुरक्षा, लिंग भेद, बेटी बचाने आदि के सन्देश एक नाटक के माध्यम से दिये और जिंक प्लांट के एस.एस. कम्पनी के कर्मचारियों ने एक लघु नाटिका के माध्यम से सुरक्षा के साथ स्वच्छता, ए.ई.सी.टी. व समाजिक सरोकार के तहत हिन्दुस्तान जिंक द्वारा किये जा रहे कार्यों को प्रदर्शित किया।





SUNIL DUGGAL - CEO, HZL

India is the seventh-largest country in the world, with a total area of 3,287,263 square km. It has a land frontier of 15,200 km and importantly a coastline of 7,516.6 km. This is just an indication of how much India is exposed to global warming which is set to severely impact buildings, dams, roads, bridges, automobile railway, energy and petroleum sectors.

Global climate change is one of the most important concern for world governments and is a major research subject for the international scientific community with the participation of multi and interdisciplinary groups. Two fundamental reports — The United Nations Intergovernmental Panel on Climate Change (IPCC) and the N. Stern, The Economics of Climate Change, 2007 Cambridge University Press, UK — outline parameters that will affect infrastructure, temperature change, atmospheric moisture change, sea level raise, wind, desertification, pollution and inclusive biological infestation. With the rise in temperatures, the melting of polar and glacial ice and snow and also increase in the thermal expansion of seawater is taking place. This is resulting in an irregular global increase of moisture, resulting in higher humidity. All the infrastructure that is close to coastal lines is set to be impacted and it's already visible.

Temperatures change is gradually resulting in extreme climate,

THE RISK OF RUST

By Sunil Duggal - CEO, HZL | Published in Financial Chronicle | 17th January, 2018

changing the periodicity of climate cycles. Such extreme climate events are bringing detrimental effect by way of corrosion and also bio-deterioration. This is also damaging both metallic and non-metallic materials used in infrastructure construction.

Many studies have elaborated the impact on structures due to global warming and their exposure to corrosion. Reinforced concrete (RC) structures are subjected to environment actions affecting their performance, serviceability and safety. Among these actions, chloride ingress and carbonation lead to corrosion of reinforcing bars that reduce the service life of RC structures. Evidence indicate that carbonation and chloride ingress are highly influenced by environmental and climatic conditions of the surrounding environment — atmospheric CO₂ concentration, temperature and humidity.

According to the International Panel of Climate Change (IPCC), the uncertainty of climate projection is high. The studies have estimated that environmental CO₂ concentration could increase enormously in the next 10 years. The changes in environmental temperature, relative humidity and carbon dioxide concentration can increase corrosion risks resulting in more widespread corrosion damages and loss of structural safety. This is set to impact the safety of billions of people globally, India too is not excluded.

Impact on China

China is facing its own impact. An investigation of carbonation-induced deterioration in three typical Chinese cities — Kunming,

Xiamen and Jinan — is an example. By 2100, mean carbonation may increase by up to 45 per cent for RC structures in China due to change in climate. This is pushing China to develop and implement climate adaptable strategies through the improved design of concrete structures and making them corrosion resistant.

Many sectors are set to be impacted due to global warming, which is actually a global warning.

On Petroleum Sector

The petroleum industry has been back-bone of the world economy for the last more than 60 years. The United States has been the world leader in petroleum engineering technology. But globally, the biggest challenge in assuring petroleum flow through pipelines has been corrosion problems.

In India, the cost of corrosion and scaling presents anything from 30 per cent (mainland) to 60 per cent (offshore) of the total maintenance expenditure. This squeezes the petroleum industry that is responsible for driving energy sector.

In India, for Environment Protection, government has listed several laws.

Many acts have been passed in Parliament. But what about the damage to environment and economy through corrosion? Corrosion eats around \$600 Billion infrastructure in a year which is about 6 percent of GDP.

A large tranche of petroleum infrastructure and maintenance costs relates to production operation, mainly in assuring flow from the wellbore to the processing plants, refineries, and oil tankers. Millions of dollars are spent annually to ensure that access to processing plants, refineries, storage sites, and oil tankers is free of leaks or plugging.

In a federal study, a total cost of \$275 billion was attributed to corrosion way back in the year 2002. This presented a rise of \$100 billion in the next five years, approximately 3.1 per cent of the GDP, which is subtotal of its entire agricultural and mining components.

US Congress was sufficiently alarmed so as to enact a "Corrosion Prevention Act" (2007), offering a tax incentive of 50 per cent to companies who invest in corrosion abatement and prevention. Post petroleum sector in US, Department of Defense carries the biggest budget of corrosion cost.

length over a route of 67,312 km. More than 50 per cent of the route are electrified. Indian Railways has about 1.35 Lakh bridges and about 800 are most important. Almost all the infrastructure of Indian Railways is exposed to humidity, dust and extreme change in climate. It is already struggling due to huge expanses in replacement and repairing. The annual loss due to pre-replacement of corroded rails is huge about Rs 440 crore. Many accidents have been attributed to corrosion of "fish-plates". Experts have estimated losses of almost 4 per cent of GDP per year on account of corrosion which may be avoided if the railway tracks are galvanised.

Corrosion reduces the life of rail to nearly half its expected life.

On Automobiles

Globally the top brands in cars started galvanising various parts of the cars, including the body to fight corrosion issues. This brought safety to the cars and protection to the environment and strengthened the economy.

By 1987, what became standard was a 10-year perforation and five-year cosmetic warranty from all the North American, European and Japanese automakers for vehicles sold in the North American market.

Indian car manufacturers use about 3 per cent galvanised steel for domestic market. However, the same Indian car manufacturers use over 70 per cent galvanised steel for the same models they export to markets in Europe, Asia and Africa, produced from the same stamping and assembly facilities. Indian consumers are not getting it, because they are not demanding for.

THE RISK OF RUST

THE RISK OF RUST

TIME IS NOW FOR CORROSION PREVENTION ACT IN INDIA

SUNIL DUGGAL

Corrosion is the most common cause of material failure in infrastructure. In India, the estimated cost of corrosion is over \$100 billion per year. The corrosion of infrastructure is a major concern for the government and industry. The Corrosion Prevention Act, 2007, is a landmark legislation that aims to reduce the economic burden of corrosion by providing tax incentives for corrosion prevention measures. The act also establishes a national corrosion prevention council to coordinate efforts across different sectors. The implementation of this act is crucial for ensuring the longevity and safety of India's infrastructure.

Coastal infra at risk

Coastal salts can create a corrosive environment for any infrastructure across the world, the reason being humid and saline climate.

When steel reinforcement corrodes, the corroded product occupies more than three times the volume of the original steel, exerting great disruptive tensile stress on the surrounding concrete, leading to further cracking, more weather access and further corrosion.

According to the American Institute of Architects, it is essential to use hot dip galvanised steel, to make such coastal infrastructure decay resistant.

On Indian Railways

The fourth largest rail network in the world, Indian Railways, comprises 125,000 km of track

Car makers in Europe, North America, Korea and Japan have been using galvanised steel for body panels for decades and provide anticorrosion and perforation warranties for a minimum of 10 years. More than 60 per cent of the cars in India have surface rust which reduces steel strength and the life of the car.

On Energy Sector

We are moving towards 100 per cent electricity in villages across India. "Light in every house" is India's vision. But how much sustainable it is going to be would need to be assessed.

According to 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 corrosion resistant is still to be assessed. This is one sector that is extremely exposed to vivid climate conditions.

माननीया मुख्यमंत्री ने डीजीफेस्ट-2018 में हिन्दुस्तान ज़िंक की प्रदर्शनी का अवलोकन किया



हिन्दुस्तान ज़िंक ने जयपुर में डीजीफेस्ट-2018 में जल एवं अपशिष्ट प्रबंधन पर अपनी सर्वश्रेष्ठ पद्धतियों का प्रदर्शन किया। राजस्थान की माननीया मुख्यमंत्री – श्रीमती वसुन्धरा राजे सिधिया एवं हजारों आगंतुकों ने हिन्दुस्तान ज़िंक की स्टालों को देखा और सराहना की। हिन्दुस्तान ज़िंक ने हैपी सिटी आर्कड, जयपुर में 'एफ़्यूलिेंट ट्रीटमेंट' एवं 'वेस्ट टू वेल्थ' का मॉडल भी प्रदर्शित किया। चार दिवसीय आईटी फेस्टीवल-2018 की मेजबानी जयपुर में 19 से 21 मार्च, 2018 तक राजस्थान सरकार के सूचना प्रौद्योगिकी और संचार विभाग ने की। हिन्दुस्तान ज़िंक के अनुसंधान एवं विकास टीम ने पैवर

ब्लॉक डेमो मॉडल का भी प्रदर्शन किया। पैवर ब्लॉक्स फ्लाई एश, जारोफिक्स एवं स्लेग अपशिष्ट से निर्मित किया जाता है। हिन्दुस्तान ज़िंक में यह सिविल निर्माण कार्यों के लिए टेस्ट में उपयोग किया जा रहा है। यह अपशिष्ट को वेल्थ में रूपांतरण का एक उत्कृष्ट उदाहरण है। डीजीफेस्ट-2018 में हिन्दुस्तान ज़िंक के अधिकारी श्री एम.के. यादव, श्री प्रदीप सिंह, श्री अंकित मिश्रा एवं श्री सुन्दरशरण ने प्रदर्शनी में भाग लिया।

Dewatering Community Meet at Zawar Mines

Dewatering Community Meet was organized at Zawar Mines on 19th January, 2018. All the members of Dewatering Community, HZL attended the session organized in presence of Mr. Constantinos Panidis - Mentor, Dewatering Community and Mr. Thirugnanam Muthusamy - Leader, Dewatering Community. Topics such as channelization and utilization of excess water from Balaria & West Mochia Mines for mining operations, etc. were discussed.



संयुक्त सचिव श्रम एवं रोजगार द्वारा आरडीसी एवं भूमिगत खदान का अवलोकन



भारत सरकार की संयुक्त सचिव, श्रम एवं रोजगार, श्रीमती कल्पनाराज सिंगोत ने हिन्दुस्तान ज़िंक की राजपुरा दरीबा कॉम्प्लेक्स का अवलोकन किया। इस दौरान उन्होंने सिन्देसर खुर्द माईंस की भूमिगत खनन इकाई की कार्यप्रणाली का निरीक्षण किया व पेस्टफील प्लान्ट को देखा। उन्होंने राजपुरा दरीबा व्यावसायिक प्रशिक्षण केन्द्र में आपातकालीन टीम का अवलोकन किया। इस दौरान व्यावसायिक प्रशिक्षण केन्द्र में रेस्क्यू टीम द्वारा मोक ड्रील का प्रदर्शन किया गया। मॉक ड्रील में आपातकालीन, भूमिगत खदानों में दुर्घटना घटित होने की स्थिति में एवं तदुपरान्त किस प्रकार खदान में कार्यरत कर्मचारियों को खदान से सुरक्षित निकालने की गतिविधि का कर्मचारियों द्वारा प्रदर्शन किया। इस मौके पर हिन्दुस्तान ज़िंक के मुख्य

खनन प्रचालन अधिकारी – श्री लक्ष्मण सिंह शेखावत, राजपुरा दरीबा कॉम्प्लेक्स के साईट प्रसीडेंट – श्री के.सी. मीणा व महानिदेशक खान व सुरक्षा – श्री पी.के. सरकार, निदेशक माईंस सेफ्टी – श्री अशोक पोरवाल, उपनिदेशक खान सुरक्षा – श्री इरफान मोहम्मद अंसारी, उपनिदेशक – श्री नारायण रजक उपस्थित थे।



Prize Distribution at Kayad Mine

Awards were distributed to contract workers (O&M) of Kayad Mine for excellent safety initiatives, dedication towards work and taking new initiatives on 26th January, 2018.

Quarterly achievement awards were also distributed to employees for projects and new initiatives undertaken in Q3.

PF Awareness Workshop at RAM

PF Awareness Workshop was conducted at Rampura Agucha Mines on 22nd & 23rd February, 2018 for employees and contract workers. The workshop was interactive and helpful for all participants.

SLIM (Save Lung India Movement Campaign) at HZL

Hindustan Zinc and Nasofilters successfully carried out SLIM (Save Lungs India Movement) Campaign from 16th - 22nd February, 2018 for employees at Zinc Smelter Debari, Rajpura Dariba Complex and Chanderiya Smelting Complex.

SLIM campaign is about using Nasofilters which is convenient and effective solution. Many problems of using dust masks like profuse sweating & choking in the heat, inability to communicate and continuous fogging of spectacles, etc. can be eliminated using Nasofilters. Nasofilter is a non-inserted, hypo allergenic and self-adhering nanotechnology based respiratory disposable Nasal filter.

London Metal Exchange's Indian Roadshow attended by HZL

Hindustan Zinc participated in the London Metal Exchange's Indian Roadshow held in Mumbai and Delhi on 5th & 7th March, 2018 respectively. It was a forum for discussion around the state of metals market including economic analysis and debate. Senior LME representatives and other commodity market veterans attended the seminar. Mr. Vijay Murthy - Dy. CMO, HZL was invited as a panel speaker for discussions around price-risk management in the commodity markets and trends in global metal markets.



Critical Risk Control at CSC & RDC

Critical Risk Control workshop was organized from 5th - 7th February, 2018 at Chanderiya Smelting Complex. Total 28 participants from all locations of Hindustan Zinc got benefitted from the program.

Critical Risk Control Workshop was held from 8th - 10th February, 2018 at Rajpura Dariba Complex. Total 25 participants from all mines got benefitted from the program.



Road Safety Week Celebration at HZL



Hindustan Zinc celebrated National Road Safety week from 8th-14th January, 2018 to create awareness on road safety rules such as traffic lights, speed limits, pedestrian rules, to name a few. The event saw participation

of senior management, employees & their families of Hindustan Zinc. During the week, various initiatives like poster making, quiz competition, nukkad natak, ROKO-TOKO abhiyaan, road shows & rally, awareness sessions and rangoli competition were organised on the theme of Avoid Over-Speeding – Prevent Accidents. Hindustan Zinc distributed around 5000 crash helmets to employees and contract workers.

Go Green Initiative at RAM



Initial saplings plantation drive was inaugurated at waste lift dump of 120 meters at Rampura Agucha Mines in Quarter 4. Mr. Vinod Kumar - Head, RA OC and Mr. Ramshanker Sharma - Manager, Mines were present during this program along with employees and contract workers from various departments. Under this initiative, 40,000 saplings will be planted at waste lift dump.

Safety Awareness at Sales Depot of HZL

To create safety awareness at Sales Depot, Hindustan Zinc team initiated safety inspection and interaction at Sales Depot. Safety inspection and a subsequent interaction with the Depot staff was carried out at the Panvel Depot by Head Safety of Zinc Smelter Debari wherein the Depot staff were briefed about the safety hazards identified during the inspection.

20th Tripartite Safety Committee Meeting at HZL

In a move to achieve advance safety standard in mines, 20th tripartite meeting was held at Udaipur where Hindustan Zinc, DGMS and Hindustan Zinc Worker Federation participated on 29th December, 2017. The purpose of meeting was to review status of the recommendations shared at 11th conference of Safety in Mines and also to discuss work strategies that effectively address health and safety of workers.



Special drive to create awareness on Line of Fire at HZL

After analysing the past incidents, a drive was initiated in January, 2018 for increasing awareness and educating the people on Line of Fire. Senior leaders took lead in this drive by educating employees and contract workers during Safety interactions, contractor field safety audits, tool box talks, site tours, etc. Awareness drives included exhibition, quiz competitions, display of posters & banners, poster making competitions, etc.

Monthly Safety Themes at HZL

Improvement Initiative, Training and Awareness Campaigns conducted at all units of Hindustan Zinc under monthly Safety Themes 'Work at Height' in January, 2018 and 'Hot Metal/ Material Handling' in February, 2018. To strengthen the knowledge and to create awareness among employees, various competitions like poster making, slogan, poem, etc. were conducted across all units.

National Safety Week was celebrated at all locations of Hindustan Zinc from 4th - 11th March, 2018. The closing ceremony was held on 9th March, 2018 at Udaipur. Mr. Amitabh Gupta - CFO, Mr. Laxman Shekhawat - COO, Mines, Mr. Pankaj Kumar - COO, Smelters and Mr. Mahesh Todkar - Director, Projects were Chief Guests of the event.

The event commenced with inauguration of Safety Films on Crane Standard and Work at Height. Rampura Agucha Mines, Chanderiya Smelting Complex, Kayad Mine, Pantnagar Metal Plant and Rajpura Dariba Mine won the award for VSAP score jump, highest VSAP score, maximum LTI free days and maximum safety standard score respectively.

Employees of Chanderiya Smelting Complex presented a special Nukkad Natak and urged everyone to report all Near Miss incidents.

Prizes were distributed to winners of various competitions like poster making, slogan, safety quiz, poetry and rangoli making held for employees and their families of Hindustan Zinc. Also, an exhibition was organized showcasing various models and posters on Line of Fire. Mr. Rajil Choudhary, Mr. Ajayendra Singh, Mr. Raj Nawandhar, Mr. Manoj Sharma, Ms. Anjali Singhvi, Mr. Chandresh Katri, Mr. Manoj Shah, Mr. Harsh, Ms. Komal, Mrs. Neelima Khetan, Mr. Vijay and Mr. Bhagwat were the winners under employees category. Mr. Rishi, Ms. Gitika, Ms. Prokta, Mrs. Santosh Sharma, Ms. Yogita, Ms. Lekha, Mr. Lovesh, Ms. Shubha, Ms. Deepa and Mr. Pyare Lal Salvi won the award under family category.

Along with the winners of various competitions, employees performing extraordinarily in safety were also recognized during the ceremony. Mr. Abhishek Somani for imbibing best safety practices by engaging senior management of vendors, Mr. Prakshal Mehta & Mr. Pradeep Saini for conducting safety audits at CRDL, Ms. Devika Gupta for 'Being Safe' and 'Be Safe – Surakshit Rahiye' initiatives, Mr. Vineet Singhi for distributing five helmets to his friends and Mr. Ruchir Shrivastava for identifying blind spots of HO were recognized as safety conscious employees of Head Office. National Safety Week was also celebrated across various locations of Hindustan Zinc. Various safety competitions and programs like bi-cycle rally, online safety quiz, safety games, poster making and slogan competition were organized during the week.





Finance Workshop at HZL

Thrust areas of Workshop were Governance & Ethics, Digital Analytics, Process Automation, Cost re-engineering, People Engagement, to name a few...

The 3rd Edition of Finance Workshop F3 (Finance Fraternity Fest) was conducted by Hindustan Zinc on 20th & 21st December, 2017 at Royal Retreat, Udaipur to re-unite bonds, re-align thought processes and rejuvenate spirits of employees from Finance department. The workshop was attended by about 80 employees and finance leaders of HZL.

The program started with screening of heart touching short film as a safety contact followed by opening remarks by Mr. Amitabh Gupta – CFO, HZL to set the context for workshop.

The objective was to gather as a team and share learning, strategies, leverage team strength and align the plan with organization vision for the coming years to demonstrate best in class function.

Workshop's key thrust areas were Governance & Ethics, Digital Analytics, Process Automation, Cost re-engineering, People Engagement, to name a few. These areas were presented by the participants creatively through skits & presentations. There was brainstorming session for carrying out SWOT analysis for Finance function to identify the needs and improvement priorities within function.

On the recreation side, attendees participated in various team building activities like Scavenger Hunt, KBC, etc.

Mr. Sunil Duggal - CEO, HZL was also invited to share his message on Vision, Mission & Principles of HZL. Mr. Dilip Pattanayak - HR Head, HZL demonstrated the outcomes on AON Engagement Survey Programme-2017. Also, Mr. Suresh Semwal was invited as motivational speaker for an interactive session.

Workshop concluded with the Closing remarks from CFO, followed by award distribution to winning teams & feedback session.



Mr. Sunil Duggal - CEO, HZL, Mr. Laxman Shekawat - COO Mines and Mr. Mahesh Todkar - Director Projects visited Rajpura Dariba Complex and had separate interaction with Sindesar Khurd Mine and Rajpura Dariba Mine teams over the current business priorities. During the meet, leaders shared their thoughts and perspective with the team members.

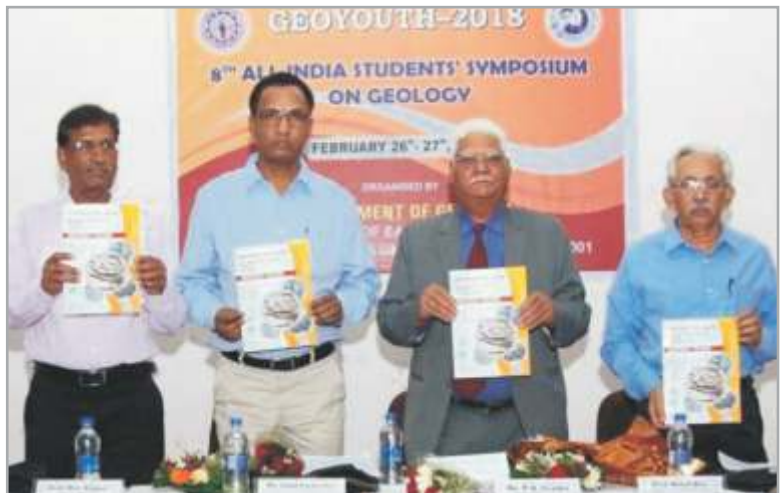
Train The Trainer - Machine Guarding and Conveyor Safety at CSC

In-house Train the Trainer session was conducted to understand the requirements of Machine Guarding and Conveyor Safety Standards at Chanderiya Smelting Complex on 5th & 6th February, 2018 for 25 engineers from all units of Hindustan Zinc.

GEOYOUTH -2018 - All India Students Symposium on Geology

Post Graduate Department of Geology, MLS University, Udaipur organized the 8th All India Students Symposium on Geology from 26th - 27th February, 2018 with an objective to provide platform for young talents & researchers to share their findings. Around 85 research scholars presented their findings through research papers, posters, etc.

The Program was chaired by Director Mines & Geology of Rajasthan. Mr. S.K. Vashisth - AGM, Business Development was invited as Guest of Honor and addressed the audience on recent developments & amendments in Mineral & Mining statute, Exploration policies vis-a-vis opportunities it offers to Geo-mining professionals. During the occasion, souvenir on Rajasthan's mineral potential and recent findings was also inaugurated.



Torch Bearer Concept launched at CSC

Torch Bearer Concept was launched in February, 2018 at Chanderiya Smelting Complex. It empowers shop floor employees to carry out safety audits, inspections and motivate peers for safe execution of work at workplace and behave safely both on-job and off-job. Torch Bearers are champions in their peer group for respective safety standard who work closely with standard champions to percolate safety system and ensure safety standard compliance to achieve target of Zero Harm.

Online Safety Awareness Test at CSC

2 Online Safety Awareness Tests were conducted in Quarter 4 at Chanderiya Smelting Complex on Hot work and Scaffolding to raise awareness and ensure compliance of the same.

EXOCMING-2018 at Kolkata



The Indian School of Mines Alumni Association, Kolkata in association with IIT - Dhanbad and Geological Survey of India organized an International Seminar & Exhibition entitled 'Exploration of Oil, Gas, Coal, Minerals & Ground Water (EXOCMING-2018): Modern Techniques & Appliances in Swissotel, Kolkata from 7th–9th February, 2018. Seminar focused on recent developments in exploration technology of mineral and energy resources. Team of six members attended the conference: Mr. Scott Caithness – Director, Vedanta Gr. Exploration, Mr. K. Gandarapu – GM, Exploration, Mr. S.K. Vashisth – Head, Business Development, Mr. V. Raghuvanshi – Senior

Geologist, Mr. A. Das – Geologist and Mr. P. Bismitar - Geophysicist.

Mr. Scott was invited as Guest of Honour and addressed audience on need of tapping India's high geological potential through quality exploration, increased budgets and conducive policies. Mr. K. Gandarapu delivered on the company's exploration strategies for quick growth of R&R base through successful application of state-of-the-art techniques.

Fundamentals of Ergonomics Training Program at CSC

Fundamentals of Ergonomics Training Program conducted at Hydro 2 of Chanderiya Smelting Complex on 20th January, 2018. About 25 participants got benefitted from the program.

Training on ISO 50001 Energy Management System

Three days training on ISO 50001 Energy Management System conducted from 17th - 19th January, 2018 by M/s BSI. 22 sustainability and other professionals participated in the training. ISO 50001 supports organizations in all sectors to use energy more efficiently through development of an Energy Management System.

International Women's Day Celebration at HZL

International Women's Day was celebrated at all locations of Hindustan Zinc on 8th March, 2018 with great enthusiasm the saw participation of female employees.



Mock Drill Session at HZP

Mock Drill on security was conducted at Haridwar Zinc Plant on 28th February, 2018. The senior management along with employees and contract workers participated in the mock drill. At the end of mock drill, security officer briefed the participants and discussed the areas of improvement.

Employee of the Month at Kayad Mine

Employee of the Month for January, 2018 was awarded to Mr. Manish Sharma - Atlas Copco and Mr. Aslam Khan - TCL of Kayad Mine for best performance in their respective fields.

Training on Labour Law Compliance at Zawar Mines

Awareness session on Labour Law Compliance was conducted on 22nd February, 2018 at Zawar Mines in partnership with M/s Aparajitha Corporate Services Limited. All Site in-charges and HR employees were present during the session.

Training on Defensive Driving at PMP & HZP

A training session was conducted on Defensive Driving on 3rd January, 2018 at Training Hall of Pantnagar Metal Plant. All the transporters and drivers were trained under this session. They were also made aware about 'How to drive safely in fog'.

A safety training program was conducted for drivers on 16th January, 2018 by Ms. Parul Sanghwan at Haridwar Zinc Plant.

First Aid Training at Zawar Mines

Training on First Aid was conducted for 100 employees in January & February, 2018 at Zawar Mines. Training was conducted by team of Doctors - Dr. C.S. Mishra, Dr. Manjunath, Dr. B.R. Pateer and rescue team member Mr. C.T. Premnath.

Q3 Townhall at RDM



Celebrating the ever-highest production of 84,660 MT at Rajpura Dariba Mine and contemplating on further optimization opportunities, Townhall was organized on 4th January, 2018. Townhall was addressed by Unit Head, Mill Head & RU representatives. The Unit Head - Mr. Sanjay Kathor laid special emphasis on enhancing the Fill Factor and its foreseen impact while aligning the workforce to business objectives. In terms of safety awareness, one of its kind live demo on usage of self-rescuer was given with explanation on all chemical reactions taking place and line of action at the time of need.

Workshop on Leadership Development at PMP

2 days workshop on Leadership Development was conducted at Pantnagar Metal Plant on 5th & 6th January, 2018 by Mr. Vinod Kumar and Mrs. Manisha Agarwal from M/s Manvin Consultancy.

The objective of program was to recognize, manage, understand and mitigate the leadership challenges and also adopt the effective leadership styles in daily activities.



AO Refresher Training at Zawar Mines

Refresher Training on Asset Optimization was conducted at Zawar Mines from 21st – 23rd February, 2018 in partnership with KPMG. Around 140 employees were benefitted from the training program. Training was imparted on Basic Problem Solving Tools - 7 QC Tools including control chart, RCA, fishbone, histogram, pareto, check sheets, hypothesis testing & regression analysis, statistical process control, process capability study, DOE and new scorecard discussion.

Training on Vehicle Fitness at PMP

A training program on Checklist for vehicles fitness under NO-GO criteria was conducted at Pantnagar Metal Plant on 25th February, 2018. Training was provided to transport supervisors and the faculty of training program were Mr. Rakesh Verma and Mr. Grijesh Joshi. The session also included Personality Development.



Women Self-Defense Training at Zawar Mines

Workshop on Women Self-Defense was conducted on 5th February, 2018 in partnership with Zeal Martial Arts Academy at Zawar Mines. Female employees along with spouses of employees were given training on Self-Defense.

Confluence: SAP Ariba Phase 1

SAP Ariba: Sourcing & SIM (Supplier Information Management) module was launched on 8th March, 2018. Hindustan Zinc is amongst very few elite groups of companies in India and first in Vedanta that has implemented SAP Ariba completely i.e. Procure-to-Pay (P2P).

Implementing SAP Ariba – a global software application is a step towards achieving Hindustan Zinc's strategic vision of digital transformation, high transparency, compliance & governance, contract authoring, automatic touchless purchase orders and effective negotiations. Prior to this, SAP Ariba Catalogue was launched on 25th October, 2017 that eliminates PR-PO cycle time for ARC items. Ariba Phase 2 (VMI process with strategic vendors, B2B Integration, Digital Invoice Process, Subcontracting and Spend Analytics) is in advanced stages of implementation and targeted to be launched in June, 2018. Transacting electronically will soon be a standard part of doing business with Hindustan Zinc.



Senior Management of Hindustan Zinc - Mr. Amitabh Gupta - CFO, Mr. Ramakrishnan Kasinath - CCO, Mr. Laxman Shekhawat - COO Mines, Mr. Pankaj Kumar - COO Smelters, Mr. Chetan Trivedi - CIO and Mr. Pavan Doddihall - Head, Projects Commercial addressed the audience. The key speakers shared vision of the company and how SAP Ariba is a start of that journey.

Stress Management Session at Zawar Mines

A session on Stress Management was held on 20th January, 2018 for employees at Zawar Mines. The event was conducted by Mr. Rajesh Kundu - Site President, Zawar IBU.



W@H & Confined Space Rescue Training at Zawar Mines

Rescue team of Zawar Mines was given Work at Height and Confined Space Rescue Training by Karam Industries. Training was imparted at Noida and Chittorgarh to 1 batch in January, 2018 and 2 batches in February, 2018.

MEAI National Symposium - 2018

Mr. Vikas Thakre – SBU (D&B), RAM participated and presented a technical paper in National Symposium 2018 on 'Advance Technology on Rock Breakage and Fragmentation'. The Symposium was organized by Rajasthan Chapter, Jodhpur of MEAI from 20th - 21st January, 2018. He also presented a case study on Pit Wall Stability vis-à-vis Control Blast Techniques in geotechnical instable area.

ESS Training at Zawar Mines

Training on Employee Self Service(ESS) and SAP was conducted on 24th January, 2018 for employees of Zawar Mines to create awareness on use and applicability of ESS for various purposes.

Revamping of Contracting Process in SAP-ECC

Business Process Improvement is an ongoing process. Removing bottlenecks, redundant jobs and inefficiencies makes the process smooth while eliminating chances of human/systemic errors. The CSA, Finance and Marketing teams worked to improve the process of contracting with customers. The earlier process involved 3 separate systems - SAP for entering and maintaining the contracts, Zing portal for raising NFAs and MS Office for preparing contract copies.

Now two pager contract and NFA have been built-in to SAP itself (domestic Zinc & Lead) which will improve efficiency and turn around the contracting & NFA, integrate NFA to SAP, create better visibility and eliminate duplicity of work and data redundancy. Team at CRDL is working to implement similar Kaizen initiatives in Exports and Silver businesses.

Training on QAQC at Zawar Mines

Training on Quality Assurance – Quality Control (QAQC) was conducted for underground geologists at Zawar Mines on 17th February, 2018. Training was conducted to train the underground geologists for gaining expertise in QAQC. Training was imparted by Mr. Kuldeep Singh Solanki – AGM Geology, HZL.

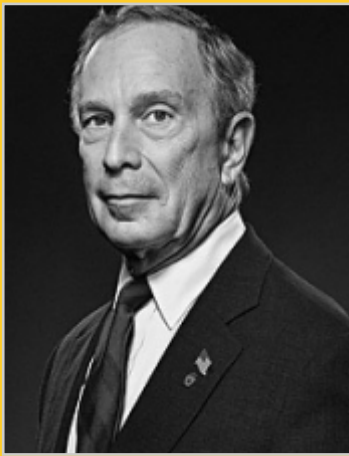
Training on SAP – GRC at Zawar Mines

Training on SAP - GRC was conducted for employees at Zawar Mines on 9th March, 2018. The training was provided to make end user aware about different functions available for GRC so as to ensure that users don't face any difficulty in using GRC services.



CORPORATE SOCIAL RESPONSIBILITY

**Building a
Life of Dignity
for the Rural
Deprived in
Rajasthan**



Michael Bloomberg
Founder & CEO Bloomberg
– A Billionaire Philanthropist

"Now, you might say, 'why should we pay people for doing what they're supposed to do?' It's a fair question but think of it this way. Every other anti-poverty program that's been tried has failed to get the national poverty rate below 11 percent. Why shouldn't we experiment with a program built around the one strategy that has proven time and again to work wonders - Capitalism?"



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

"If given proper training in vocational and managerial skills, nothing will come in the way of women even from humble backgrounds becoming entrepreneurs in their own right. The more a country empowers its women, the more prosperous it becomes. In India's billion-plus population, there're over 600 million women. Imagine what can be achieved if all women are empowered to contribute."



“Khushi Baatiye”

“Spreading happiness among 64000 children”

23 January



‘खुशी’ केन्द्रों

के 64 हजार बच्चों को मिलेगी यूनिफार्म

हिन्दुस्तान ज़िंक द्वारा ‘खुशी बांटिये’ कार्यक्रम में खुशी परियोजना के अन्तर्गत संचालित 3089 आंगनवाड़ी खुशी केन्द्रों के

64 हजार बच्चों को यूनिफार्म प्रदान की जा रही है। इस कार्यक्रम में हिन्दुस्तान ज़िंक के 300 कर्मचारियों ने पहल कर 2 हजार यूनिफार्म का सहयोग किया है। ब्लॉक स्तर पर आगामी 3 माह में सभी बच्चों को कपड़े एवं सेन्डल वितरित कर दिये जाएंगे। कार्यक्रम का शुभारंभ यशद भवन सभागार में आयुक्त महिला एवं बाल विकास – श्रीमती शुचि शर्मा, ज़िला कलक्टर – श्री विष्णुचरण मलिक एवं हिन्दुस्तान ज़िंक के मुख्य कार्यकारी अधिकारी – श्री सुनील दुग्गल ने दीप प्रज्ज्वलन कर किया। हिन्दुस्तान ज़िंक द्वारा खुशी कार्यक्रम, सरकार के महिला एवं बाल विकास के सहयोग से 5 ज़िलों उदयपुर, राजसमंद, भीलवाड़ा, चित्तौड़गढ़ और अजमेर की 3089 आंगनवाड़ियों में चार स्वयं सेवी संस्था अजमेर ग्रामीण विकास संस्थान, जतन संस्थान, सेवा मन्दिर एवं केयर इण्डिया द्वारा संचालित किया जा रहा है।

चित्तौड़गढ़ जिले में हिन्दुस्तान ज़िंक द्वारा खुशी कार्यक्रम, सरकार के महिला एवं बाल विकास के सहयोग केयर इण्डिया एवं सृष्टि सेवा के सहयोग द्वारा संचालित किया जा रहा है। खुशी बांटिये कार्यक्रम के तहत 574 खुशी केन्द्रों के 10 हजार पांच सौ बच्चों को यूनिफार्म दी जाएगी। कार्यक्रम का शुभारंभ सांसद – श्री सी.पी. जोशी, विधायक – श्री चंद्रभान सिंह आंक्या, प्रधान – श्री प्रवीण सिंह राठौड़, उपनिदेशक महिला एवं बाल विकास विभाग – श्रीमती लक्ष्मी चरपौटा, लोकेशन हेड चंदेरिया लेड ज़िंक स्मेल्टर – श्री विनोद वाघ, केयर इण्डिया परियोजना प्रबंधक – श्री अखिलेश दुबे, सृष्टि परियोजना प्रबंधक – श्री श्याम सुंदर भट्ट ने किया।

मावली तहसील के धुणीमाता में खुशी बांटिये कार्यक्रम का शुभारंभ किया गया। इस कार्यक्रम के तहत गिरवा और मावली के 356 आंगनवाड़ी केन्द्रों के 6942 बच्चों को यूनिफार्म का वितरण आगामी तीन माह में किया जाएगा। कार्यक्रम का आगाज मुख्य अतिथि मावली प्रधान – श्री जीतसिंह एवं महिला एवं बाल विकास अधिकारी – श्री नन्दलाल मेघवाल ने बैनर का अनावरण कर किया।

कोटडा ब्लॉक के मांडवा अटल सेवा केंद्र में खुशी बांटिये कार्यक्रम का शुभारंभ किया गया। इस कार्यक्रम के तहत कोटडा ब्लॉक के 247 आंगनवाड़ी केन्द्रों के 5500 बच्चों को यूनिफार्म का वितरण आगामी तीन माह में किया जाएगा।

जावर माइंस के सामुदायिक भवन में खुशी बांटिये कार्यक्रम का शुभारंभ किया गया। इस कार्यक्रम के तहत गिरवा और सराड़ा के 418 आंगनवाड़ी केन्द्रों के 9016 बच्चों को यूनिफार्म का वितरण आगामी तीन माह में किया जाएगा। कार्यक्रम का आगाज गिरवा प्रधान – श्री तख्त सिंह शक्तावत, सराड़ा प्रधान – श्री मोहन लाला खराड़ी, महिला एवं बाल विकास सीडीपीओ – श्रीमती शकुंतला मेघवाल, लोकेशन एचआर हेड जावर माइंस – श्री निखिल दिवान, मजदूर संघ के महामंत्री – श्री लालूराम मीणा ने दीप प्रज्ज्वलन कर किया।



YASHAD SUMEDHA SCHOLARSHIP PROGRAM

87 ENGINEERING STUDENTS GET SCHOLARSHIPS

Hindustan Zinc to spend Rs 20 lakhs this year through the program...

"No country can really develop unless its citizens are educated. Any nation that is progressive is led by people who have had the privilege of studying."

— Nelson Mandela



Being a responsible metal & mining company, Hindustan Zinc has a strong focus towards uplifting the communities residing near its business locations. One such initiative is 'Yashad Sumedha Scholarship Program' where Hindustan Zinc is sponsoring engineering degree of select 87 students who belong to household having annual income of less than Rs. 2.5 lakhs and have scored marks above 75%. Out of these 87 students, last year, 50 students were supported and this year too, Company continues to support these existing 50 students' scholarships along with awarding scholarships to 37 new students.

Hindustan Zinc organized a Yashad Sumedha Scholarship Distribution Ceremony on 26th February, 2018 at Head Office, Udaipur.

Hindustan Zinc has been sponsoring students for several years and in this process, the company has partnered with Sumedha Foundation in identifying these selected students who are appearing in 1st and 2nd year of their Engineering degree in different Government Engineering Colleges located in 5 districts of Rajasthan – Udaipur, Bhilwara, Chittorgarh, Rajsamand & Ajmer.

Hindustan Zinc will be spending Rs. 20 lakhs this year where the company will be paying partial annual fees of these students.

Before the event commenced, these students visited Nand Ghars at Debari, Udaipur that are constructed by Vedanta Hindustan Zinc in partnership with the Ministry of Women and Child Development. It is an extension to the existing Anganwadi initiative for providing a better environment to the children of India by addressing issues relating to pre-primary education, health care, nutrition and economic empowerment for women in rural India.

Also present were Mrs. Neelima Khetan – Head CSR, HZL, Mr. Mahesh Todkar – Head Projects, HZL, Ms. Jayita Roy – Dy. HR Head, HZL, Mr. Sanjay Sharma – AVP HR, HZL, Mrs. Rashmi Jain – Secretary, Sumedha Foundation and Mr. Mahendra Mehta – Board Member, Sumedha Foundation along with other HZL representatives during the program.



Inauguration of 'Sparsh' and 'Nandghar' at PMP

Pantnagar Metal Plant of Hindustan Zinc installed Uttarakhand's first low-cost sanitary napkin making unit - Sparsh, run by Women's Self-help group through ICDS Department, Govt. of Uttarakhand. This Project was inaugurated by Hon'ble Chief Minister of Uttarakhand - Mr. Trivendra Singh Rawat on 25th February, 2018. The Chief Minister and Minister of Women and Child Development both appreciated Hindustan Zinc for this maiden venture. Chief Minister also inaugurated 3 Brownfield Nandghars at Pantnagar Metal Plant.



राजसमंद में 3 नन्दघरों का उद्घाटन

राजसमंद में जिला कलक्टर — श्री पीसी बेरवाल ने 14 फरवरी, 2018 को काबरा और पिपावास में हिन्दुस्तान ज़िंक द्वारा निर्मित नन्दघरों का उद्घाटन किया। राजसमंद के मेहन्दुरिया में नन्दघर का उद्घाटन सांसद महोदय — श्री हरिओम सिंह जी राठौड़ तथा हिन्दुस्तान ज़िंक दरीबा के साइट प्रसीडेंट — श्री के.सी. मीणा के कर-कमलों द्वारा सम्पादित हुआ। राजसमंद जिले में 250 नन्दघर बनाए जाएंगे जिनमें से 100 से अधिक को आंगनवाड़ियों का जीर्णोद्धार, 150 नये नन्दघरों का निर्माण होगा। अब तक जिले में 10 नन्दघरों की शुरुआत की जा चुकी है वहीं 50 से अधिक नन्दघरों का कार्य जारी है।

ब्रिटीश हाईकमीशन ऑफ इंडिया के रिटायर्ड डिप्लोमेट सर रिचर्ड स्टेग ने किया हिन्दुस्तान ज़िंक जोगीफलां नन्दघर का उद्घाटन



हिन्दुस्तान ज़िंक द्वारा संचालित खुशी परियोजना के तहत उदयपुर के गिर्वा ब्लॉक के जोगीफलां आंगनवाड़ी केन्द्र पर 10 फरवरी, 2018 को नन्दघर का उद्घाटन मुख्य अतिथि ब्रिटीश हाईकमीशन ऑफ इंडिया के रिटायर्ड डिप्लोमेट — सर रिचर्ड स्टेग और बारापाल सरपंच — श्रीमती गुलाब कटारा द्वारा किया गया।

इससे पूर्व जावर माइन्स के साइट प्रेसीडेंट — श्री राजेश कुण्डु, वेदांता की सीएसआर हेड — श्रीमती नीलिमा खेतान ने सर रिचर्ड को नन्दघर परियोजना के अन्तर्गत संचालित 3-6 वर्ष तक के बच्चों के लिए शालापूर्व शिक्षा के लिए चलने वाली गतिविधियों की जानकारी दी। समारोह में उपस्थित बालक बालिकाओं ने खेल-खेल में अपनी गतिविधियों के माध्यम से उपस्थित अतिथियों को मोहित कर दिया।

उद्घाटन समारोह में सेवा मन्दिर उदयपुर से प्रियंका सिंह, लक्ष्मी ठाकुर, सुकेशी, हिन्दुस्तान ज़िंक प्रबंधन की ओर से सीएसआर टीम, आशा सहयोगिनी तथा आसपास के गाँवों के सैकड़ों ग्रामीणों ने भाग लिया। साथ ही सर रिचर्ड स्टेग ने हिन्दुस्तान ज़िंक द्वारा चलाए जा रहे ऊँची उड़ान कार्यक्रम का विद्या भवन सोसायटी उदयपुर में अवलोकन भी किया।

हिन्दुस्तान जिंक द्वारा भारत में पहली बार ऑडियो वर्णित दंगल फिल्म का प्रदर्शन

110 से अधिक दृष्टिहीन लोगों ने देखी 'दंगल' फिल्म

विशेष योग्यजन बच्चों के लिए 'जीवन तरंग जिंक के संग' कार्यक्रम के तहत हिन्दुस्तान जिंक द्वारा दृष्टिहीन लोगों के लिए आईनॉक्स, उदयपुर में ऑडियो वर्णित 'दंगल' फिल्म का 21 जनवरी, 2018 को प्रदर्शन किया गया। बॉलीवुड फिल्मों को देखकर व्यक्ति मनोरंजन करते हैं, जिसमें दृष्टिहीन लोग भी शामिल हैं लेकिन ऐसे व्यक्ति जो स्क्रीन को देख नहीं सकते हैं वे फिल्म में खामोशी वाले दृश्यों के लिए दूसरों पर आश्रित रहते हैं। हिन्दुस्तान जिंक ने 'जीवन तरंग जिंक के संग' परियोजना के तहत दृष्टिहीन व्यक्तियों के लिए मनोरंजन क्षेत्र में एक सराहनीय पहल की है। इस पहल के तहत राजस्थान के नेत्रहीन लोगों के लिए सुपर हिट "दंगल" फिल्म का ऑडियो वर्णित स्क्रीनिंग फिल्म थियेटर में पहली बार प्रदर्शित किया गया है। थियेटर में फिल्म देखने वाले 5 से 30 वर्ष के 90 दृष्टिहीन बच्चे एवं युवक तथा 30 से 60 वर्ष के 20 दृष्टिहीन व्यक्ति थे। दृष्टिहीन बच्चों के अलावा उदयपुर के पुलिस अधीक्षक – श्री राजेन्द्र प्रसाद गोयल, हिन्दुस्तान जिंक के मुख्य वित्तीय अधिकारी – श्री अमिताभ गुप्ता, मुख्य कामर्शियल अधिकारी – श्री रामाकृष्णन काशीनाथ, प्रधान कार्यालय, जिंक स्मेल्टर देबारी एवं जावर खान के कर्मचारी एवं उनके परिजन तथा उदयपुर के कई गणमान्य अतिथियों सहित 250 लोगों ने फिल्म देखी एवं सराहना की।



Pre-Board Exams at RAM

With the objective of aiding the board preparations, Pre-Board Exams for 10th class were conducted in 7 Shiksha Sambal Schools of Rampura Agucha Mines on 15th & 16th February, 2018. 600 students got benefitted from exams.



सावा खुशी केंद्र पर मकर संक्रांति पर्व मनाया

चित्तौड़गढ़ में संचालित खुशी परियोजना के तहत सावा पंचायत के आंगनवाड़ी केन्द्र पर मकर संक्रांति का पर्व आयोजित किया गया जिसमें सावा के तीन आंगनवाड़ी केन्द्र के बच्चों ने भाग लिया। कार्यक्रम के दौरान सामुदायिक सहभागिता के तहत गाँव के भामाशाहों द्वारा आंगनवाड़ी केन्द्र के सभी बच्चों को स्वेटर, पानी की बोतल व खिलौने दिये गये। सामुदायिक सहभागिता व समुदाय को आंगनवाड़ी केन्द्र से जोड़ने के उद्देश्य से खुशी परियोजना द्वारा निरन्तर प्रयास किये जा रहे हैं जिससे आंगनवाड़ी केन्द्र बदलाव की ओर अग्रसर है।

National Farmers Day Celebration at HZL

Under Samadhan project, National Farmers Day was celebrated at all locations of Hindustan Zinc on 23rd December, 2017 in honor of Mr. Chaudhary Charan Singh - 5th Prime Minister of India. In this event, PRIs, veterinary doctors, agriculture officers, HZL team and partner NGO took part and enlightened the farmers regarding various schemes & best practices of agriculture. Training & demonstration was also conducted regarding the use of Hydrogel in farms.

Training on Growth Monitoring & IYCN at RAM

With the objective of strengthening the Anganwadi Centres, 97 anganwadi workers were provided Growth Monitoring training & Infant and Young Child Nutrition (IYCN) training at Rampura Agucha Mines on 29th & 30th January, 2018.

ज़िंक द्वारा स्वरोजगार हेतु पशुधन वितरण कार्यक्रम

चंदेरिया लेड जिंक स्मेल्टर द्वारा 18 जनवरी, 2018 को ग्रामीण विकास हेतु समाधान परियोजना के अन्तर्गत ग्राम डेट में आयोजित कार्यक्रम में 5 गाँवों के 10 पशुपालकों को स्वरोजगार से जोड़ने के लिये उन्नत किस्म के पशुधन वितरित किये गये। कार्यक्रम में गुर्जर खेडा, डेट, सेमलिया, मीणों का झोंपड़ा और खुटियां के 10 पशुपालकों को स्वरोजगार हेतु प्रत्येक परिवार को उन्नत सिरोही नस्ल का 1 बकरा दिया गया, जिन्हें बकरियों की नस्ल सुधार हेतु उपयोग किया जाएगा। बकरों का वितरण हिन्दुस्तान जिंक के सी.एस.आर. कार्यक्रम के तहत बीआईएसएलडी संस्थान के सहयोग से किया गया। इससे पूर्व लाभान्वित पशुपालकों को बीआईएसएलडी के डॉ. महेन्द्र गुप्ता ने बकरी पालन व्यवसाय हेतु रखने वाली सावधानियों के बारे में जानकारी दी।

Formation of SHGs at RAM

Under project 'Sakhi', Community Resource Person (CRP) round was organized in February, 2018 at Barathiya, Badla, Chattarpura and Balapura villages by Rampura Agucha Mines team. 27 SHGs were formed involving 307 rural women from these villages. A stitching centre was inaugurated on 9th January, 2018 at Kothiya village.



Holi Celebration at Kayad Mine

Holi festival was celebrated at Khushi Anganwadi centres in Kayad and Ajmer from 26th February - 1st March, 2018 wherein cultural programs like Dance, Action Songs by kids and Story Telling were conducted at all 172 Khushi centres.

Selection round for Engineering & Medical Coaching at RAM

Second round of test was conducted on 21st February, 2018 by Avanti Learning Centres for selecting students of class 8th-11th of Shiksha Sambal Schools for Engineering & Medical Coaching at Rampura Agucha Mines.

Health Kart Mela at RAM

Health Kart Mela was organized at Rampura Agucha Mines on 18th & 19th January, 2018, wherein Pediatrician, Dietician and Gynecologists gave their inputs on problems faced by women and urged everyone to promote the physical activity of child, important social factors and child health watch out signs.

Holi Ke Rung...Jeevan Tarang ke Sung

This Holi, under initiative of Jeevan Tarang, the youth of Prayas made Organic and Herbal Gulal for employees at all locations of Hindustan Zinc. The campaign was a huge success and over 3000 packs of Organic Gulal made by the special people were sold with sales worth a little over Rs. 1 lakh. The money raised from the sale of Gulal will enable Prayas to buy the first television for the centre of the differently abled.

932 employees & families, 293 contract workers and many other people from communities came forward to purchase the Gulal.



Bal Samagam Event at RAM

For recognizing and awarding the anganwadi children & workers, under project 'Khushi', Bal Samagam event was organized at Rampura Agucha Mines in Quarter 4. In total, 9 events were organized covering 105 anganwadi centres, 345 children and 210 parents.

हिन्दुस्तान ज़िंक फुटबॉल एकेडमी द्वारा कुशल कोच एवं खिलाड़ियों का प्रशिक्षण



हिन्दुस्तान ज़िंक फुटबॉल एकेडमी द्वारा 10 जनवरी, 2018 को हिन्द ज़िंक स्कूल चित्तौड़गढ़ के खेल मैदान में 24 दिवसीय आवासीय कैम्प का शुभारंभ हुआ। कार्यक्रम में मुख्य अतिथि के रूप में जिला कलक्टर श्री इंद्रजीत ने फुटबॉल को किक लगाकर आवासीय कैम्प की शुरुआत की एवं खिलाड़ियों का उत्साहवर्धन किया। इस अवसर पर राजस्थान फुटबॉल एसोसिएशन के सचिव – श्री दिलीप सिंह शेखावत, जिला फुटबॉल संघ के उपाध्यक्ष – श्री नदीम अंजुम, हेड सीएसआर वेदांता – श्रीमती नीलिमा खेतान, चंदेरिया लेड ज़िंक स्मेल्टर के लोकेशन हेड – श्री विनोद वाघ, द फुटबॉल लिंक के संजीव महापात्रा, चेतन मिश्रा सहित द फुटबॉल लिंक एसोसिएशन एवं राजस्थान फुटबॉल एसोसिएशन के पदाधिकारी, चंदेरिया लेड ज़िंक स्मेल्टर के अधिकारी, कोच एवं खिलाड़ी मौजूद थे।

इससे पूर्व 9 जनवरी, 2018 को हिन्दुस्तान ज़िंक फुटबॉल एकेडमी द्वारा निम्बाहेड़ा में 5 दिवसीय एआईएफएफ डी लाइसेंस कोर्स का समापन समारोह हुआ। ऑल इण्डिया फुटबॉल फेडरेशन इंस्ट्रक्टर के

प्रशिक्षक – श्री केशव दत्त के निर्देशन में आयोजित इस कोर्स में 24 फुटबॉल प्रशिक्षकों ने भाग लेकर पेशेवर फुटबॉल कोचिंग के विभिन्न तकनीकों और तरीकों को सीखा।

Furniture Distribution at RAM

To strengthen the basic school infrastructure, desks, tables and stools were provided to more than 1500 students of 7 Shiksha Sambal schools at Rampura Agucha Mines in Quarter 4. Road Safety skit was also conducted in nearby 11 Govt. schools for spreading awareness amongst more than 4000 students.

Scientific Visit for Farmers at Kayad Mine

Under Samadhan project, scientific visits were conducted from 21st – 23rd February, 2018 with farmer interest group covering Gagwana, Ghooghra and Kayad villages wherein farmers got special training from state agriculture department. Total 200 farmers were benefitted from this project.

Installation of Solar Lights at RAM

135 Solar Lights have been installed at nearby 13 villages of Rampura Agucha Mines benefitting more than 10,000 villagers in Quarter 4.

Winter Camp at RAM

Under Shiksha Sambal project, winter camp was conducted from 24th December, 2017 – 4th January, 2018 for class 10th students of 7 Government schools at Rampura Agucha Mines. More than 200 students were benefitted from this winter camp.

मंत्री श्रीमती किरण महेश्वरी एवं श्रीमती अनिता भदेल ने की शिरकत

‘सखी उत्सव’ के रूप में मनाया अंतर्राष्ट्रीय महिला दिवस

कबड्डी, मटकी फोड, चम्मच एवं जलेबी रेस और तीरंदाजी के खेल में गजब का संतुलन, फिर भजन कीर्तन और राजस्थानी गानों पर नृत्य, महिलाओं का उत्साह देखते ही बनता था, मौका था हिन्दुस्तान ज़िंक द्वारा आयोजित अंतर्राष्ट्रीय महिला दिवस कार्यक्रम का।

6 मार्च को रामपुरा आगुचा में आयोजित कार्यक्रम में 1500 से अधिक ‘सखी’ महिलाओं, महिला कर्मचारियों एवं ज़िंक परिवार की सदस्यों ने महिला दिवस मनाया। समारोह के मुख्य अतिथि उपखण्ड अधिकारी गुलाबपुरा – श्री नंदकिशोर राजौरा, रामपुरा आगुचा माइंस के साईट प्रेसीडेंट – श्री राजेन्द्र दशोरा एवं महिला क्लब की अध्यक्ष – श्रीमती लीला दशोरा उपस्थित थे।

10 मार्च को हिन्दुस्तान ज़िंक चंदेरिया लेड ज़िंक स्मेल्टर द्वारा अंतर्राष्ट्रीय महिला दिवस पर ‘सखी’ उत्सव ज़िंक नगर में कार्यक्रम आयोजित किया गया, जिसमें 1800 से अधिक ‘सखी’ महिलाओं ने उपस्थित मुख्य अतिथि उपमहानिरीक्षक श्री प्रसन्न कुमार खमेसरा, चंदेरिया लेड ज़िंक स्मेल्टर के लोकेशन हेड श्री विनोद वाघ, मंजरी फाउण्डेशन के प्रोजेक्ट डायरेक्टर श्री नरेश नैन, सहेली समिति धौलपुर की पार्वती कुशवाह के समक्ष महिला सशक्तिकरण का उदाहरण प्रस्तुत किया।

10 मार्च को ही राजपुरा दरीबा कॉम्प्लेक्स द्वारा सखी उत्सव में 2500 से अधिक ‘सखी’ महिलाओं को समारोह की मुख्य अतिथि उच्च शिक्षा मंत्री राजस्थान सरकार – श्रीमती किरण माहेश्वरी ने संबोधित करते हुए कहा कि हिन्दुस्तान ज़िंक द्वारा महिलाओं के लिए महिलाओं द्वारा ‘सखी’ कार्यक्रम के माध्यम से सशक्त करने और आत्मनिर्भर बनाने की पहल अनुकरणीय है। इस अवसर पर राजपुरा दरीबा कॉम्प्लेक्स के साईट प्रेसीडेंट – श्री केसी मीणा, यूनिट हेड – श्री संजय खटौड़, प्रशासन हेड – श्री जितेन्द्र चौधरी उपस्थित थे।

13 मार्च को देबारी में सखी उत्सव कार्यक्रम ज़िंक के स्टेडियम में आयोजित किया, जिसमें 1500 से अधिक ‘सखी’ महिलाओं ने भाग लिया। समारोह के मुख्य अतिथि जिला वन अधिकारी – श्री ओमप्रकाश शर्मा, लोकेशन हेड – श्री मनोज नशीन, इन्टक के उपाध्यक्ष – श्री मांगीलाल अहीर, सेवा मन्दिर के – श्री अजय मेहता, एचआर हेड – श्री दीपक वर्गीस, वित्त हेड – श्री जितेन्द्र ने महिलाओं का उत्साहवर्धन किया।

14 मार्च को जावर माइंस द्वारा अंतर्राष्ट्रीय महिला दिवस के उपलक्ष्य में सखी उत्सव कार्यक्रम आयोजित किया, जिसमें 3000 से अधिक ‘सखी’ महिलाओं, महिला कर्मचारियों एवं ज़िंक परिवार की सदस्यों ने महिला दिवस मनाया। समारोह का शुभारंभ मुख्य अतिथि – श्री आर. के. जैन, उप वन संरक्षक, उदयपुर, श्री राजेश कुण्डू – साईट प्रेसीडेंट, जावर माइंस एवं श्री यतीश यादव – सदस्य, निदेशक मण्डल, मंजरी फाउण्डेशन, एडमिनिस्ट्रेशन और एक्सट्रेनल रिलेशन – कर्नल विनय शर्मा ने दीप प्रज्ज्वलन कर किया।

हिन्दुस्तान ज़िंक कायड़ माइंस, अजमेर द्वारा अंतर्राष्ट्रीय महिला दिवस के अवसर पर ‘सखी’ उत्सव कार्यक्रम आयोजित किया, जिसमें 1300 से अधिक ‘सखी’ ने भाग लिया। साथ ही कार्यक्रम में ग्रामीण एवं सामाजिक विकास संस्था के सहयोग से ‘खुशी बांटीये’ कार्यक्रम की शुरुआत भी की गयी जिसके तहत अजमेर शहर एवं श्रीनगर ब्लॉक की 172 सरकारी आंगनवाड़ी केन्द्रों के 3400 बच्चों को यूनिफार्म दी जाएगी। समारोह के मुख्य अतिथि – श्रीमती अनिता भदेल, मंत्री महिला एवं बाल विकास विभाग – राजस्थान सरकार ने ‘सखी’ कार्यक्रम की प्रशंसा करते हुए कहा कि नारी सशक्त तो देश सशक्त होगा। कार्यक्रम में श्रीमान सुरेश सिंह रावत – संसदीय सचिव एवं विधायक राजस्थान सरकार, कायड़ माइंस के साईट प्रेसीडेंट – श्री बलवन्त सिंह राठौड़ मौजूद थे।

सभी स्थानों पर सीएसआर के अन्तर्गत हिन्दुस्तान ज़िंक द्वारा संचालित की जा रही परियोजनाओं खुशी, शिक्षा सम्बल, समाधान, सखी और ज़िंक फुटबॉल एकेडमी के कार्यों और गतिविधियों की जानकारी स्टॉल के माध्यम से दी गयी।

हिन्दुस्तान ज़िंक द्वारा 5 जिलों उदयपुर, राजसमंद, भीलवाड़ा, अजमेर, चित्तौड़गढ़ एवं उत्तराखण्ड के पंतनगर में 1237 सखी समूहों से जुड़कर 14421 महिलाएं लाभान्वित हो रही हैं।



हिन्दुस्तान जिंक के प्रधान कार्यालय में मनाया 69वाँ गणतंत्र दिवस समारोह



देश की प्रगति एवं विकास में हिन्दुस्तान जिंक का महत्त्वपूर्ण योगदान है। आज देश ने विज्ञान, अंतरिक्ष विज्ञान, तकनीक, कम्प्यूनिजेशन एवं औद्योगिक क्षेत्र में उन्नति की है जिससे आज पूरी दुनिया की निगाहें भारत पर टिकी हुई हैं। जस्ता उत्पादन में हिन्दुस्तान जिंक का भारत में और विश्व में नेतृत्व की स्थिति को सशक्त रूप से बरकरार रखने के लिए हमारी और ज्यादा जिम्मेदारी बढ़ जाती है अतः हम इसके लिए लगातार समर्पित भाव से प्रयास करते रहेंगे। ये विचार हिन्दुस्तान जिंक के प्रधान कार्यालय के प्रांगण में 69वें गणतंत्र दिवस समारोह के अवसर पर हिन्दुस्तान जिंक के मुख्य कार्यकारी अधिकारी – श्री सुनील दुग्गल ने कर्मचारियों एवं उनके परिजनों की उपस्थिति में राष्ट्रीय ध्वज फहराते हुए व्यक्त किए। कहा कि गणतंत्र दिवस पर बचपन याद आ जाता है। हर वर्ष गणतंत्र का एक ऐसा दिवस है जब प्रत्येक भारतीय के मन में देश भक्ति की लहर और मातृभूमि के प्रति अपार स्नेह भर उठता है। देश की आजादी में देश के स्वतंत्रता सेनानियों के बलिदान को भी नहीं भूल सकते जिन्होंने अपने जीवन की परवाह किये बिना देश के लिए अपने जीवन को न्यौछावर कर दिये। कंपनी में सड़क सुरक्षा सप्ताह के दौरान पोस्टर, पोयम, सेफ्टी स्लोगन एवं सेफ्टी विजज प्रतियोगिताओं का आयोजन किया गया था। प्रतियोगिताओं में भाग लेने वाले कर्मचारियों एवं उनके परिजनों को समारोह के मुख्य अतिथि द्वारा पुरस्कृत किये गये। इस अवसर पर कंपनी में 20 साल की सेवाएं पूरी करने वाले कर्मचारियों को स्मृति चिन्ह देकर सम्मानित किया गया। इस अवसर पर हिंद जिंक परिवार के बच्चों ने कविता, संगीत एवं देश-भक्ति गीतों की प्रस्तुतियां भी दी। हिन्दुस्तान जिंक के सिक्यूरिटी कार्मिकों द्वारा मार्च पास्ट की सलामी भी दी गई। कंपनी की सभी इकाइयों में 69वाँ गणतंत्र दिवस बड़े हर्षोल्लास से मनाया गया है।

Master Mind at RAM

On 9th February, 2018, RAM Masterminds was conducted with 16 teams, comprising 6 members each, participating in the event at Rampura Agucha Mines. The winners and runner-up teams from both batches were awarded by Mr. M.L. Yadav - HR Head, RAM IBU. All the participants were presented with mementoes.

Dariba Marathon 2017 - Run for Health

With the intent to promote healthy lifestyle while bringing together all employees, business partners and their families; Dariba Marathon 2017: Run for Health was organized on the early winter morning of 15th December, 2017 at Rajpura Dariba Complex. The 5 km run covered areas surrounding the Smelting Complex, Residential Colony, RD Mine and nearby areas.



Inauguration of GET Mess Facility at Zawar Mines

Dedicated Mess Facility for GETs of Zawar Mines was inaugurated on 12th March, 2018 by Mr. Rajesh Kundu - Site President, Zawar IBU for better food facilities for all the GETs of Zawar Mines staying at Ashok Nagar Colony.

Jashn: Desi Games Eve at RDC

Desi Games Eve - Jashn was organized at Vedanta Vihar of Rajpura Dariba Complex on 23rd January, 2018 wherein employees and their families took part in various activities. Games like sitoliya, rassakashi, dodgeball, spoon race, pot race, etc. were organized and the event saw a participation of about 600 people. Rajasthan Culture theme was set-up for the event followed by dinner.

Great Indian Magic Show at RAM

To celebrate 69th Republic Day, Rampura Agucha Mines organized 'The Great Indian Magic Show' where, Mr. Sushiel Jaisawal - Famous Corporate Illusionist & Magician showcased various magic tricks.

Launch of Pink Power Group at Zawar Mines



On the occasion of Women's Day, security team came up with a unique concept of creating an external security female group from non-security functions – 'Pink Power' to enhance the security of females working at Zawar Mines. There will be two female groups, five female members in each group, who will collectively work with the present security team to create a safe and secure environment for female employees at Zawar Mines.

Get-together at Kayad Mine



Kayad Mine achieved Business Plan of 1 Million Tonne in record time of nine months organized a family get-together on 26th February, 2018 at Gateway Resort, Ajmer. The evening was celebrated with cultural program and dinner.

YOU KNOW NOW...



14th March – The National Pi Day – Why so much Hallelujah?

By Maitreyee Sankhla

March 14 marks National Pi Day; mentioned as such with first three digits of pi — 3.14 — referring to ratio of circumference of a circle to its diameter.

In some places, it is referred as a holiday where both math fanatics and pie lovers celebrate together the number that signifies conjunction between Mathematical Pie and Food Pie. Infact hard to ignore, amazing discounts on pies and pizzas that some places offer.

Why it amazes me as no one ever talked about it with so much 'rage' till recently. Apart from acknowledging it as Birth Date of famous physicist & scientist, Albert Einstein and in India, one of biggest film stars, Aamir Khan, there was no other reference to gab about.

Interestingly, it is also death anniversary of revolutionist Karl Marx.

Yes Stephen Hawking couldn't have a better date to die!!

Naturally, the internet is gawking with this strange connection and everyone is tweeting, posting, googling and instagramming about it!!

Someone wrote:

Relativity | Revolution | Radiation
Three great minds. Three great contributions to the world.

Remarkable Coincidence isn't?

Even the physicists worldwide who do not believe in coincidences are enjoying this twist of fate where 3 strong personalities who changed the world with their thought and brought fresh perspectives to our existence.

Let's discuss about the uncanny similarities between the two most legendary Scientists apart from sharing the same dates relate to their existence:

- Both Einstein and Hawking were captivated by universe with their interests in mind-boggling topics like outer space, black holes, wormholes, time travel, etc. Their ultimate aim was Unification of Physics!!
- Interestingly both had an IQ level of about 160 despite the fact they both had brain diseases. Einstein had Asperger's syndrome and Hawking had Amyotrophic Lateral Sclerosis that has no cure!!
- They both have been the recipient of prestigious Awards - Einstein received Nobel Prize for Physics in 1921 and Hawking received Albert Einstein Award in 1978!!
- They shared exactly same kind of sense of humour!!
- Ironically they both died at the Age of 76!!

Both Einstein and Hawking are both mathematical genius and an inspiration to millions across the globe.

It would not be wrong to say, they both made 14th March, a date of relativity between coming into this world and parting away from the world!!

A scientific coincidence linking the two brilliant minds!!

40th All India MKM Football Tournament at Zawar Mines



40th All India MKM Football Tournament was organized in Zawar Mines from 12th -20th February, 2018. Tournament saw the participation of 16 teams from across the country. Inaugural match was played on 12th February, 2018 between Shama United Football Club, Maharashtra and Triumph Football Club, Mandi. Shama United Football Club won the match in penalty shootout. Sh. Shabbir Ali – Ex-Captain & Technical Director Indian National Football Team, Chief Coach, West Bengal State Team and Winner of Dhyan Chand Award was the Chief Guest of inaugural match. Final match was played between Sports Authority of Gujarat and Shama United Football Club, Maharashtra. Winner of the prestigious tournament was declared through penalty shootout in which Sports Authority of Gujarat won by scoring 4 against 2 goals of Shama Football Club. Final match of the tournament saw an audience of more than 15,000 people. The Chief Guest of final match was Mr. Ashok Dhyanchand – Arjuna Awardee and former Indian Professional Field Hockey Player. Ms. Jayita Roy – Deputy HR Head, HZL, Mr. Rajesh Kundu – Site President, Zawar IBU, Mr. Kalyan Singh Shakhtawat – General Secretary, Hindustan Zinc Workers Federation, Mr. Lalu Ram Meena – General Secretary, Zawar Mines Mazdoor Sangh, Mr. Arjun Meena - Member of Parliament from Udaipur Constituency and many other dignitaries were also present during the event.

Friendly Cricket Match at RDC

Friendly Cricket Match between veterans of DGMS and HZL was organized at Rajpura Dariba Complex on 31st December, 2017.

While DGMS team was led by Deputy Director General, North-West Zone, DGMS; Site President, Unit Heads, Mine Manager, SBU Heads and other employees participated from Hindustan Zinc under the leadership of COO-Mines. The match was won by HZL.



Night Cricket League at RAM

Rampura Agucha Mines organized Night Cricket League from 8th - 15th January, 2018 wherein all senior management, union members and women participated in the tournament. A friendly match between Site President XI vs General Secretariat AKMS was held on Republic Day.



Cricket Tournament at PMP

Cricket tournament at Pantnagar Metal Plant which opened on 14th January, 2018 saw the participation of employees and contract workers. The final match was played on 21st January, 2018 and Vaaman was declared as the winner.



Dariba Premier League - 7 at RDC

Dariba Premier League - 7 was organized at Rajpura Dariba Complex from 9th - 24th December, 2017 that saw the participation of 192 players as part of 12 teams. The SK Mandarin team won the final match. Mr. Sabyasachee was adjudged Man of the Match for final match.

Kabaddi Tournament at Kayad Mine

A district level rural Kabaddi Tournament was organized in January, 2018 at Govt. Sr. Sec. School, Gagwana, Kayad Mine. 18 teams and 200 youth from rural areas of Ajmer participated in the tournament. Mr. I.B Peerzada – Nazim, Ajmer Dargah along with Mr. B.S. Rathore - Unit Head, Kayad Mine inaugurated the tournament.

Volleyball Tournament at RDC

RDC Volleyball Championship was organized between 18th - 20th December, 2017 at Rajpura Dariba Complex. The event saw participation of 12 teams. Team members included employees, contract workers and their families. The tournament was won by DSC - Zinc .





However, for many of us, summer also brings the temptations of ice cream, overdoing the tan and forgetting the summer diet and exercise.

It is important to use a Sunscreen lotion to protect your skin from harmful UV rays. Avoid sitting under the sun during peak hours in order to minimize UV radiation.

During the hot summer months, it is incredibly important to keep yourself hydrated by drinking at least eight to nine glasses of water a day.

Fruit Smoothies are a great way to keep you refreshed throughout the summer. Use any fruit you might have and throw it all in a blender to make a perfect summer drink.

Instead of working out outside, join a gym, take up a step class or get a group of friends around for an afternoon of exercise DVDs.

Start by swimming for 10 minutes. If swimming isn't your thing, join a water aerobics class or create your own aerobic workout with jumping jacks, marching and jogging in water.

Our hair suffers a lot during the summer. If possible, minimize the use of hairdryers, straighteners and other heating products.

Stay strong by being prepared, and pack a cooler full of healthy snacks and juices.

Summer is the perfect time to take up a new activity like Gardening, Tennis, Golf or Pilates.

एक जौहरी था, जो कारोबार में बहुत निपुण था। उसका एक बेटा भी था। जवान होने पर वह भी पिता के साथ दुकान पर बैठने लगा। जौहरी अपने बेटे को भी व्यापार के हुनर सिखाने लगा। धीरे-धीरे जौहरी का बेटा यह समझने लगा कि वह व्यापार में निपुण हो गया है। अपनी प्रतिभा से वह पिता को परिचित कराना चाहता था। ऐसा मौका उसे मिला भी।

एक दिन जौहरी, बेटे को दुकान पर अकेला छोड़कर खाना खाने गया। उसके जाने के बाद एक व्यापारी दुकान पर आया। लड़के को दुकान पर बैठा देखकर व्यापारी भांप गया कि नवसिखिया है।

व्यापारी ने लड़के से उसके पिताजी के बारे में सम्पूर्ण जानकारी हासिल कर लेने के बाद कहा कि वह एक अंगूठी बेचना चाहता है। लड़के ने होशियारी दिखाने के लिए दाम तय करके पिताजी को बताए बगैर व्यापारी से अंगूठी खरीद ली। पितृ खाना खाकर वापस दुकान पर आया तो लड़के ने खुश होकर व्यापारी से खरीदी अंगूठी दिखाई।

पिता ने अंगूठी देखकर बेटे से कहा— “अंगूठी में बहुत ही कीमती हीरा है। इसे किसी को दिखाने अथवा बेचने की जरूरत नहीं है। इसे छिपाकर आलमारी में रख दो।”

जौहरी के व्यवहार से बेटे का हौसला बढ़ा और समय के साथ वह एक होशियार जोहरी बन गया।

बेटा होशियार नहीं था और उसके द्वारा अंगूठी खरीदने पर भी पिता ने उसका मनोबल बनाये रखने के लिए उसे शाबासी दी।

एक दिन मौका पाकर बाप ने बेटे को कहा कि जो अंगूठी खरीदी थी उसको बेचने का समय आ गया है ।

लड़के ने आलमारी से अंगूठी निकाली और ध्यान से देखा तो स्तब्ध रह गया— अंगूठी नकली थी।

इस पर जौहरी ने कहा— तुम्हारा हौसला बढ़ाने के लिए मैंने उस समय कहा था कि यह कीमती है इसे छिपा कर सुरक्षित रखो। यदि उसी समय सच्चाई बता देता तो तुम्हारी हिम्मत टूट जाती और तुम इतने बड़े पारखी नहीं बनते।

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. Pluto written on Kennel is removed.
 2. Round Ventilation added above the Door of House.
 3. Extra Flower added in the Garden.
 4. Change in the colour of Collar Belt of Pluto.
 5. One Glass removed from the front Window of House.
 6. Extra Doughnut added in the Plate.
 7. Change in the colour of Hairbow of Minnie Mouse.
 8. Change in the colour of scarf of Mickey Mouse.
 9. One small window on the House Roof is removed.
 10. One Wooden Plank removed from the Window at the back of Minnie Mouse.

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बी सैफ - सुरक्षित रहिए अपने लिए और अपनी के लिए

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 ।

सुरक्षा के प्रति जागरूकता ही इसका समाधान है ।



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