

January – 2020

# ZINC NEWS

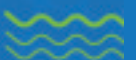
हिंदुस्तान जिंक का मुख्य पत्र

THE HOUSE JOURNAL OF HINDUSTAN ZINC



# WOMEN *in* MINING

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Hindustan Zinc celebrates  
Aarohan's 6th anniversary



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# New Year Message

# 2020



“ Dear Colleagues,

Warm Greetings of the season and a very Happy New Year – 2020 to all of you!

I would like to take this opportunity to thank each one of our employees and contract workforce for the immense contribution put in the past year. Our workforce is the greatest strength at Hindustan Zinc and I extend a heartfelt gratitude to you all.

Sustainability was a key focus area for us in 2019, and our efforts in the right direction have borne sweet fruits. Hindustan Zinc was ranked 1st in Asia-Pacific region among 26 assessed companies, whilst also maintaining our global 5th rank for the year – 2019. Our team is committed to the principle of sustainable development and we are constantly looking to improve our performance through consistent implementation of various initiatives and projects. With this latest ranking in the Dow Jones Sustainability Index we have an increased responsibility to be recognized as a global sustainable mining company.

I have always reiterated that 'Safety is not a destination, it is a journey'. In pursuit of strengthening the Implementation of Safety across Hindustan Zinc, the HSE professionals were empowered by creating direct line of reporting to me, as I assumed the role of Chief Safety Officer of Hindustan Zinc. With this, I have decided to devote at least 30% of my time towards safety implementation and I humbly urge all to follow this with me.

With constant evolution in technology, it is the need of the hour to embrace and accept change. Hindustan Zinc has taken massive steps in our aim of digitisation. With new shafts fully commissioned, our operations at Sindesar Khurd Mine are completely mechanised now. Our focussed approach has helped us achieve decent levels of digitisation. The Logistics Operation Control Tower and Collaboration Centre are two brilliant examples of how we've adopted technology. This will result in enhanced safety through autonomous operations and increase in productivity of our mines and smelters.

Last year, we increased our foray into Silver production and changed our logo to “Hindustan Zinc - Zinc and Silver of India”. As per World Silver Survey 2019 by The Silver Institute, Hindustan Zinc is now the 9th largest Silver producer in the world, placing India into top 12 Silver producing countries. Our next aim is to break into the top 5 global Silver producers. And with our process orientation, I'm sure we will achieve this goal.

Let this New Year be an opportunity for all of us to have a fresh start. Failures and experiences are a part of our journey. But we only learn from them if we don't commit them twice. Use these as work experience to grow yourself and the company as well. After all, a company only grows when the individual grows.

This year, take a moment to have gratitude towards your friends, family and your life. Reflect on your good fortune by sharing and spreading joy. On behalf of my family, I wish you all a very Happy and Prosperous New Year.

Best Wishes,

**Sunil Duggal**

CEO, Hindustan Zinc





# 2020

## नव वर्ष संदेश

“ प्रिय साथियों,

आप सभी को नव वर्ष 2020 की हार्दिक बधाई और शुभकामनाएँ !

मैं इस अवसर पर अपने प्रत्येक कर्मचारी और अनुबंध कर्मचारियों गत वर्ष में अपार योगदान के लिए धन्यवाद देना चाहता हूँ। हमारा कार्यबल हिन्दुस्तान जिंक की सबसे बड़ी ताकत है और मैं आप सभी का दिल से आभार व्यक्त करता हूँ।

2019 में सस्टेनेबिलिटी हमारा महत्वपूर्ण लक्ष्य था जिसे सही दिशा में हमारे द्वारा किये गये प्रयासों से सकारात्मक परिणाम प्राप्त हुए हैं। वर्ष 2019 में एशिया-पैसिफिक में 26 कंपनियों के मूल्यांकन में हिन्दुस्तान जिंक प्रथम स्थान पर रहा, साथ ही वर्ष – 2019 के लिए हमारी वैश्विक 5 वीं रैंक बरकरार रही है। हमारी टीम सतत विकास के सिद्धांत के लिए प्रतिबद्ध है और हम लगातार विभिन्न पहल और परियोजनाओं के लिए कार्यान्वयन के माध्यम से अपने प्रदर्शन में सुधार कर रहे हैं। डॉव जोन्स सस्टेनेबिलिटी इंडेक्स में प्राप्त रैंकिंग के कारण हिन्दुस्तान जिंक की पहचान एक ग्लोबल सस्टेनेबल माइनिंग कंपनी के रूप में स्थापित हुई है, निश्चित तौर पर हमारी जिम्मेदारी बढ़ गयी है।

मैंने हमेशा दोहराया है कि “सुरक्षा एक गंतव्य नहीं है, यह एक यात्रा है”। हिन्दुस्तान जिंक में सुरक्षा को अमल में लाने और इसे मजबूत करने के लिए, एचएसई प्रोफेशनल्स को मुझे सीधी रिपोर्टिंग कर उन्हें सशक्त बनाया गया था, क्योंकि मैंने हिन्दुस्तान जिंक के मुख्य सुरक्षा अधिकारी की भूमिका को चुना। इसके साथ, मैंने अपना 30 प्रतिशत समय कम से कम सुरक्षा कार्यान्वयन के लिए समर्पित करने का निर्णय लिया है और मैं विनम्रतापूर्वक सभी से इसकी पालना हेतु आग्रह करता हूँ।

प्रौद्योगिकी में निरंतर विकास के साथ, परिवर्तन को स्वीकार करना समय की आवश्यकता है। डिजिटलाइजेशन के हमारे उद्देश्य में हिन्दुस्तान जिंक ने बड़े पैमाने पर कदम उठाए हैं। पूरी तरह से नए कमीशन के साथ, सिंदेसर खुद खदान में हमारे संचालन अब पूरी तरह से मैकेनाइज्ड हैं। हमारे फोकस्ड दृष्टिकोण ने हमें डिजिटलाइजेशन के प्रतिष्ठित स्तर को प्राप्त करने में मदद की है। लॉजिस्टिक्स ऑपरेशन कंट्रोल टॉवर और कॉलोबोरेशन सेंटर इस बात के दो जीवंत उदाहरण दर्शाते हैं कि हमने किस प्रकार से तकनीकी को अपनाया है। इससे सुरक्षा के प्रति हमारी जागरूकता और स्वायत्त संचालन के माध्यम से और हमारी खानों और स्मेल्टरों की उत्पादकता में वृद्धि होगी।

गत वर्ष, हमने चांदी उत्पादन में अपना स्थान बढ़ाया और हमारे प्रतीक चिन्ह को “हिन्दुस्तान जिंक – जिंक एण्ड सिल्वर ऑफ इण्डिया” में बदल दिया। द सिल्वर इंस्टीट्यूट द्वारा वर्ल्ड सिल्वर सर्वे 2019 के अनुसार, हिन्दुस्तान जिंक अब दुनिया का 9 वां सबसे बड़ा चांदी उत्पादक है, जिसने भारत को शीर्ष 12 चांदी उत्पादक देशों में शामिल किया है। हमारा अगला उद्देश्य शीर्ष 5 वैश्विक सिल्वर उत्पादकों में नामांकित होना है और मुझे पूर्ण विश्वास है कि हम इस लक्ष्य को अवश्य प्राप्त करेंगे।

हम सभी इस नव वर्ष को एक नई शुरुआत का अवसर दें। असफलताएँ व अनुभव हमारी यात्रा का एक हिस्सा हैं, लेकिन हम उनसे केवल तभी सीखते हैं जब हम उन्हें दोहराते नहीं हैं। हम अपने अनुभवों को स्वयं एवं कंपनी के विकास हेतु उपयोग करें। क्योंकि कंपनी का विकास व्यक्तिगत विकास के साथ ही संभव है।

इस वर्ष हम अपने दोस्तों, परिवार और अपने जीवन के प्रति आभार व्यक्त करें। अपने अच्छे समय का परावर्तन खुशियों को बांटने और प्रसार में करें। मैं अपनी और अपने परिवार की ओर से, सभी को नव वर्ष की हार्दिक शुभकामनाएँ देता हूँ।

शुभकामनाएँ,

**सुनील दुग्गल**

मुख्य कार्यकारी अधिकारी, हिन्दुस्तान जिंक ”

## कायड़ खदान में 33वां खान सुरक्षा व सिलिकोसिस जागरूकता सप्ताह आयोजित



हिन्दुस्तान जिंक की कायड़ खदान में 33वां खान सुरक्षा व सिलिकोसिस जागरूकता सप्ताह आयोजित किया गया। जिसके अर्न्तगत विभिन्न खदान के अधिकारियों ने अवलोकन किया। निरीक्षण दल संयोजक हिन्दुस्तान कॉपर लि. खेतड़ी के मुख्य प्रबंधक – खान, रजनिश सेघर मुख्य अतिथि तथा हिन्दुस्तान जिंक आगुचा माइंस उप प्रबंधक योगेश गहलोत, मुख्य प्रबंधक हिन्दुस्तान कॉपर, जीतेन्द्र कटयाल व उपप्रबंधक आगुचा माइंस एन.एस. शेखावत विशिष्ट अतिथि थे।

कायड़ माइन के डायरेक्टर संजय खटोर की अध्यक्षता में कार्यक्रम आयोजित किया गया। खान प्रबंधक संदीप नरडे ने सभी अतिथियों का स्वागत किया और सुरक्षा शपथ दिलाई। उन्होंने कायड़ खान में सुरक्षा के बारे में विस्तार रूप से बताया। इस कार्यक्रम के अर्न्तगत में प्राथमिक सुरक्षा और लुज का गिरना

विषय पर नाटिकाओं का मंचन किया गया। इस अवसर पर सुरक्षा पर भाषण, पोस्टर, निबन्ध व स्लोगन प्रतियोगिताओं में श्रेष्ठ प्रविष्टियों को पुरस्कृत किया गया तथा ट्रेड टेस्ट विजेताओं को भी पुरस्कृत किया गया।

## रामपुरा आगुचा खान में 33वां खान सुरक्षा तथा सिलिकोसिस जागरूकता सप्ताह आयोजित



हिन्दुस्तान जिंक रामपुरा आगुचा खान द्वारा 33वां खान सुरक्षा तथा सिलिकोसिस जागरूकता सप्ताह – 2019 राजयभर में खान सुरक्षा महानिदेशालय अजमेर क्षेत्र के तत्वावधान में आयोजित किया गया। सप्ताह का आगाज 1 दिसंबर को सुरक्षा ध्वज फहराने के साथ ही सुरक्षा शपथ लेकर किया गया। कार्यक्रम में खान प्रबंधक श्री विनोद जांगिड़ ने सप्ताह के दौरान होने वाली विभिन्न प्रतियोगिताओं में भाग लेने के लिए कामगार साथियों को प्रेरित किया। इस सप्ताह के अंतर्गत दिनांक रामपुरा आगुचा खान का निरीक्षण खेतड़ी कॉपर काम्प्लेक्स के अधिकारी रजनीश शीगर, खेतड़ी कॉपर के ही जीतेन्द्र कटियाल, हिन्दुस्तान जिंक लिमिटेड के अधिकारी योगेश गहलोत तथा हिन्दुस्तान जिंक के नागेंद्र सिंह शेखावत के द्वारा किया गया। कार्यक्रम में जिंक विद्यालय के बच्चों ने नुक्कड़ नाटक पेश किया जिसमें

उन्होंने सड़क सुरक्षा के नियमों का पालन करने के लिए लोगों को प्रेरित किया।

## Home Safety Awareness Drive for contract workforce at CSC

To increase Safety Awareness among contract workforce and maintain safety standards not only at workplace but at their home as well, a Home Safety Awareness Drive was conducted at CSC for contractors. Objective of the training was - Awareness on Kitchen hazards like LPG safety, Response in fire & other kitchen emergencies, Road safety and Electrical Safety.



# Hindustan Zinc celebrates Aarohan's 6th anniversary



*'Safety is a journey, not a destination' – HZL CEO, Sunil Duggal*

To enhance safety awareness among employees of Hindustan Zinc, a safety journey called Aarohan was launched in 2013. The 31st of October marked the 6th anniversary of Aarohan, which was celebrated by employees across HZL.

At the Head Office, Chief Safety Officer and CEO – Sunil Duggal addressed our employees, reiterating the message of safety, sustainability and a vision of 'Zero Harm'. The Chanderiya Lead-Zinc Smelter was recognized as the best unit for contributing to the Aarohan journey during the celebration.

## Chanderiya

उद्योग में शून्य क्षति असंभव नहीं है, यदि इसके लक्ष्य को पूरा करने के लिए दिल और दिमाग से अमल में लाया जाए तो इसे प्राप्त किया जा सकता है यह बात हिन्दुस्तान जिंक चंदेरिया लेड जिंक स्मेल्टर के डायरेक्टर एसबीयू पंकज कुमार शर्मा ने हिन्दुस्तान जिंक की सुरक्षा यात्रा आरोहण की 6वीं वर्षगांठ के अवसर पर आयोजित समारोह में कही। उन्होंने कहा कि सुरक्षा के नियमों का पालन यदि स्वनुशासित तरीके से किया जाए तो दुर्घटना को टाला जा सकता है। शर्मा ने स्वास्थ्य, सुरक्षा और पर्यावरण पर सभी कर्मचारियों को विशेष बल देने का आह्वान किया। उन्होंने सिंगल यूज प्लास्टिक का उपयोग नहीं करने के लिए सभी को संकल्प दिलाया। कार्यक्रम के शुभारंभ में शर्मा ने सभी कर्मचारियों को सुरक्षा शपथ दिलायी।

## Agucha

हिन्दुस्तान जिंक लिमिटेड, रामपुरा आगूचा खान इकाई द्वारा "आरोहण" का छठा जन्मदिन समारोहपूर्वक मनाया गया। हिन्दुस्तान जिंक द्वारा वर्ष 2013 में कार्यस्थल सुरक्षा में सुधार हेतु "आरोहण" नामक कार्यक्रम प्रारम्भ किया गया था। समारोह का शुभारम्भ केक काट कर किया गया एवं सभी को सुरक्षा शपथ दिलाई गयी। रामपुरा आगूचा माइंस के डायरेक्टर सुजल शाह ने इस अवसर पर संबोधित करते हुए सभी से सदैव सुरक्षा से कार्य करते हुए दुर्घटना रहित उत्पादन करने का आह्वान किया। उन्होंने कहा कि सुरक्षा के मामले कभी भी लापरवाही नहीं बरतें एवं कार्य से प्रथम सुरक्षा को मध्यनजर रखते हुए कार्य को सम्पादित करें।





## Pantnagar

PMP observed Aarohan Celebration Day on 25th October, 2019. The Chief Guest of the session was Shri Mayur Dixit (IAS, Chief Development Officer, Uddham Singh Nagar) who is also an alumnus of Hind Zinc School, Chittorgarh.

The event was opened by a UIC Rally which was followed by welcome note from SBU Director – Mr. Ravish Sharma. A briefing on Aarohan journey was delivered by the Safety Head of PMP. Multiple activities like Nukkad Natak on Safety by Female Contractual Workers, Safety Quiz, Safety Kavita Path, Buzzer Round etc were conducted throughout the day.



## Inauguration of 'Sanrakshak' initiative at PMP

We do not inherit the Earth from our ancestors, but we borrow it from our future generation. As our motto of Caring for the Environment, our Pantnagar Metal Plant conducted a plantation drive under the initiative called - "SANRAKSHAK".

Our Employees and Business Partners planted 50 trees as a commitment to Sustainable Development. Sanrakshak is a monthly, theme-based environment drive in which all the employees of PMP come together to perform various environment friendly activities.



## Safety Town Hall



A Safety Town Hall was conducted on 29th November, 2019 at the Head Office in Udaipur. This Safety Town Hall was a unique one as around 2900 people were directly or indirectly viewing and participating in this meeting. The meeting was telecasted to contract workers in the underground mines.

Our CEO and Chief Safety Officer – Mr. Sunil Duggal laid emphasis on Safety Values and the Safety Culture at Hindustan Zinc. He urged people to emphasise on Safety Interaction to maintain the standards across our locations. He reiterated that Safety is a continuous process and how we need to maintain this value going forward.

Life Saving Rules form a basic part of safety standards at Hindustan Zinc, which should never be violated. Safety Trainings are imperative in MIP from our Business Partners.



# Zinc Football

## YOUTH TOURNAMENT

About two years ago, we embarked on a journey with a dream to usher a football revolution in Rajasthan. And that dream has taken further shape with the launch of Zinc Football Youth Tournament.

The initiative will see more than 500 teams and over 5000 young girls and boys, all under 15 years of age across all the major districts of Rajasthan, take part in a tournament at a never-before-attempted scale.

The tournament will start at the zonal levels, starting from 16th January 2020 and we will also use this as a scouting opportunity to spot talent.

Zinc Football Youth Tournament is a truly massive football project with a bottom-up approach creating a funnel to identify and promote the best footballing talent in the state.

We thank you for your continued support and your belief in Zinc Football and this journey we have undertaken.



**Desh Ka Sapna, Goal Apna!**



## IEI Centenary Industry Excellence Award 2019



Hindustan Zinc is proud recipient of the prestigious IEI (Institution of Engineers India) Centenary Industry Excellence Award 2019. The Institution initiated the IEI Industry Excellence Awards in 2008 to recognize industry leaders for their innovation, business strategies in manufacturing/engineering operations and services and their capacity to sustain excellence in a competitive manner. The event was graced by Shri Nitin Gadkari - Honorable Union Minister of Road Transport and Highways, MSME as Chief Guest and Prof (Dr) K.K. Aggarwal - Chairman National Board of Accreditation as Guest of Honor; where Mr. Rajinder Singh Ahuja – Chief HSE Officer HZL received the award.

## Outstanding Digital Transformation in Supply Chain Award

Hindustan Zinc received 'Outstanding Digital Transformation in Supply Chain' award at the Express Logistics & Supply Chain Conclave, which is considered as Asia's largest end-to-end supply chain management. The Award was received for establishing digital logistics platform that empowers Hindustan Zinc to monitor, measure & manage logistics operations, improve turnaround times and identify potential pilferages.

On behalf of Hindustan Zinc, the Award was received by Mr. Chetan Trivedi - Chief Information Officer and Mr. Rohit Sarda - General Manager, MAS.



## Best Grassroots Football Programme of 2019



Zinc Football was awarded as the 'Best Grassroots Football Programme of the Year' at the glittering Football Delhi Awards Night held on 9th December 2019. The award, given by Mr. Kushal Das - General Secretary of All India Football Federation in presence of Mr. Shaji Prabhakaran - President, Football Delhi, was received by our Chief Executive Officer - Mr. Sunil Duggal. Football Delhi is the official governing body for football in the capital and its President Mr. Shaji Prabhakaran had all praises for the initiative: "Zinc Football is truly a novel initiative and is a worthy recipient of the award for the landmark work they are doing in Rajasthan. For the upliftment of grassroots football in the country, we need more corporates such as Hindustan Zinc to come forward and help the game of football." Mr. Duggal also handed over the most prestigious awards of the night Best Player of the Year (Male and Female) to Ayush Adhikari and Dalima Chhibber respectively.

## Hindustan Zinc ranked 1st in Asia-Pacific by Dow Jones Sustainability Index

Reinforcing our commitment towards environmental sustainability, Hindustan Zinc has been ranked 1st in Asia-Pacific region and 5th globally by the Dow Jones Sustainability Index – 2019 among 62 assessed companies in the metal and mining sector.

The overall score for Hindustan Zinc improved by 7% from last year to maintain their global ranking. The company saw an improvement in all the three dimensions of the index – Economic, Social and Environment – where the company topped in three sustainability aspects - Materiality, Environment Reporting and Human Capital Development.

On the achievement, Hindustan Zinc CEO Sunil Duggal said, "When we receive recognition for our work, it reinforces our journey along the chosen path to progress. Our purpose is to create value and improve lives through sustainable and responsible mining. With this latest ranking in the Dow Jones Sustainability Index we have an increased responsibility to be recognised as a global sustainable company"

To be recognised as a global sustainable company, Hindustan Zinc has a strong focus on conservation of water and energy. All our plants operate on zero-effluent discharge and are moving steadily to Zero waste to landfill. Hindustan Zinc has recently commissioned a Dry Tailings Plant resulting in recirculation of >90% of the process water. We also have a stand-alone Safety and Innovation Cell which strives towards enhanced automation and digitalisation in its operations.

## Legal Team of the Year 2019



Hindustan Zinc's Legal Department was declared winner of the 'Legal Team of the Year 2019' award at the 2nd Edition of Future of Legal Summit and Awards 2019. The Summit was organized by the UBS Forums on 14th November, 2019 at Mumbai. Ms. Shubham Aparajita & Ms. Saakshi Sharma received the award.



**Ms. Shivani Sharma conferred with Author Certificate**

We are proud to share that Ms. Shivani Sharma - Team Lead Geophysics, HZL-Vedanta Exploration has been awarded with the Author certificate during 1st International Near Surface Geophysics Conference & Exhibition held in New Delhi on 28th - 29th November 2019. During the event, Ms. Shivani presented the paper on 'Evaluation of Transient Electromagnetic responses using Induction coil and HT SQUID'. 'SQUID' technology has been introduced 1st time in India and utilized in Bamnia Kalan and Rampura Agucha Exploration.

**Grant Thornton Sabera 2019 Awards – Promising Social Leader (Under-30)**

We are proud to share that Ms. Nairuti Sanghavi – CSR, Zawar Mines has received Grant Thornton SABERA 2019 Awards – Promising Social Leader (under-30) Category held in New Delhi on 4th December, 2019.

The award was presented for her contribution in Hindustan Zinc's Women Empowerment program – 'Sakhi'.

'Sakhi' Program has been contributing to women's socio-economic well-being and is focusing on promoting savings as a habit. The project is directly touching the lives of more than 24,000 women.



**Mr. Rajinder Singh Ahuja Conferred with “Most Influential Sustainability Leaders of India”**

Mr. Rajinder Singh Ahuja conferred with the "Most Influential Sustainability Leaders of India" at the India Sustainability Leadership Summit & Awards conducted on 20th November, 2019 at Taj Lands End, Mumbai. During the event Mr. Ahuja also presented on the topic: 'Sustainable Business Practices at HZL' which was well appreciated by the various sustainability professionals and industry leaders present in the events.

**CSC receives Safety Bravery Award**

Chanderiya Lead Zinc Smelter- Fire & Rescue Team Won the Bravery award for “Rescuing the flooded bus” in 18th international OSH (Occupational health and safety) Awards held in NESCO MUMBAI on 27th November, 2019. CSC was awarded the best among 350+ organisations. The nomination included major organisations like Adani, Tata Steel, Sun Pharma, Reliance Refinery out of which CLZS Fire & Rescue won the First prize.

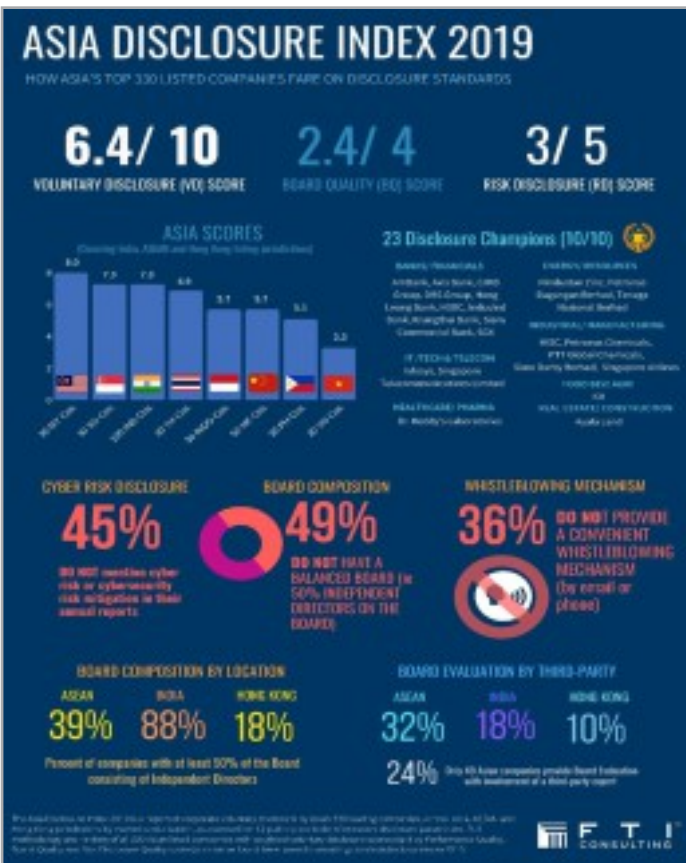


CSC bags CII's 'National 5S Excellence Awards 2019'



CLZS Hydro II participated in “CII's National 5S Excellence Awards 2019” and achieved Gold Rating in Manufacturing Category. The award was received by Ameet Wali, Neelam Sharma and Prashant Tiwari in. Glittering ceremony in Chandigarh.

HZL among top 5 companies in Asia Disclosure Index 2019



Corporate disclosure practices are a proxy for management culture and behaviour. It reveals the 'tone from the top' by the board and management team. The Asia Disclosure Index 2019 is a composite research property that benchmarks non-financial voluntary disclosure. Hindustan Zinc is proud to have championed in terms of Voluntary Disclosure Index by scoring 10/10 and securing its place among Top 5 Companies in India in this index.

QUALTECH PRIZE 2019: Green Breakthrough Initiative



Hindustan Zinc's project “Zero Solid Waste Discharge” from Zinc Smelter Debari secured the 2nd runner up position under 'Green Breakthrough Initiative' category at 31st QualTech Prize held in Mumbai on 8th November 2019. 74 projects were presented in Improvements, Innovation and Green Breakthrough categories from various Service and Manufacturing Sectors. The prize is recognition to our efforts towards sustainable and environment friendly initiatives.

Best CSR initiative for Women Award



Our flagship initiative - SAKHI was awarded “Best CSR Initiative for Women” at the esteemed ASSOCHAM Women Achievers Awards 2019 in New Delhi. The Award was presented by Guest of Honor Ms Rashmi Singh, IAS, Secretary, NDMC and Dadi Chandro Tomar, World's Oldest Professional Sharpshooter, and was received by Mr. Abhay Gautam and Ms. Nairuti Sanghavi on behalf of Hindustan Zinc.

# HZL inaugurates Collaboration Centre

In line with our group's vision of leveraging data to achieve superior business performance, we take immense pleasure and pride to announce that the HZL Collaboration Centre was inaugurated on 16th December, 2019 involving HZL Exco, Site Directors, O&M heads, and also our key technology partners. This initiative was spearheaded by the HZL Technology & Innovation team.





HZL Collaboration Centre is a strategic digital transformation initiative with a focus on data driven decision making to generate value for business. The key is to develop a culture of collaboration, involving operations, OEM's, SME's, data scientists and senior management. "Data is the new gold", and it is imperative that HZL leverages data to become a digitally enabled enterprise. This is in the league of world's Top 5 integrated Center involving the whole production value-chain from mine to metal.

As part of this initiative, all our operating data from mines, mills, smelters and power plants are brought into one platform including ERP. This allows a holistic view with a strong foundation for a data driven digital enterprise with various possibilities including training on advanced analytics and core business know-how. Our key digital partners include ABB, OSI-Soft, Sandvik, Mobilaris, Cisco & Eurotech.

A world-class advanced analytics capability will be the hallmark of this Centre. One of the aims is to develop operational modelling and simulation capability to allow accurate predictions for preventing major equipment failures and for identifying production improvement opportunities. This will help to make our advanced process controls smarter, paving the way for automation and remote operations in the future. Improving ore to metal recovery will also be a key focus of this Centre. We are partnering with Wabtec, Stonethree & Suyati for operational analytics & sensors technology.

The collaboration Centre is all about engaging the employees of the company with the key question, "What information do I need to do my job better?" Like safety, data is everyone's business and this Centre will facilitate access to data and the collaboration needed to drive value across HZL.



## 57th National Metallurgist Day & 73rd Annual Technical Meeting - NMD ATM 2019



Hindustan Zinc Limited sponsored the 57th National Metallurgist Day under aegis of Ministry of Steel, Government of India & 73rd Annual Technical Meeting - NMD ATM 2019 held on November 14-16, 2019 at Thiruvananthapuram, Kerala. An International symposium on "Advance Materials for Industrial and Societal Applications" was also organized by IIM Trivandrum Chapter on November 13, 2019. The flagship event is organized by Indian Institute of Metals every year on November 14, designated by Government of India as National Metallurgist Day. NMD ATM is an annual mega event of IIM providing a platform for metallurgist and material scientist from all over the world to meet,

interact and share knowledge between the research communities, industries and organization. About 700 abstracts have been submitted and around 216 oral and 495 poster papers were presented in six different themes.

HZL's vision, mission, growth path and technology development was presented in the Industrial Session on November 16, 2019 which was chaired by Dr. PV Venkitakrishnan, Director CBPO/ISRO. Ms. Sheeba Mashruwala, Mr. Krishna Kumar Saw & Mr. Suman Kumar from Zn Tec (CRDL) and Ms. Anmol Kankariya & Mr. Sabit Amin from CSC represented HZL.

## Inauguration of New Digitalization Control Room at RAUG

New digitalization control room set up is done for visualization of Mines assets and centralization of mine control at Rampura Agucha. Underground digitalization project is being done where complete OFC laying and wifi network establishment is done in underground mines.

### Benefits:

1. 3D visualization
2. Man-machine tracking
3. Traffic management
4. Fleet management
5. Automation etc



## Martin Typhoon Type Air Cannon System installed at CSC

CSC installed a Martin Typhoon Type Air Cannon System at the Lime Bin to overcome material build up and locking inside the Lime Bin. Four Air Cannons Typhoon Type 38005-150FD are installed at Lime bin on different position.



## Logistics Operation Control Tower



Focus on digitization and automation has been key to enhance operational excellence at Hindustan Zinc. With this thought, HZL inaugurated its industry's best-in-class Logistics Operations Control Tower under project "Sarathi" on 24th October, 2019. The Control Tower aims at to completely automate processes across logistics value-chain, improve TAT and process efficiency ensuring safe operations including eliminate risk of potential pilferage in transit.

This Control Tower is an addition to Hindustan Zinc's efforts of automation, leveraging new generation digital technologies including GPS and IoT Devices. The platform is allowing HZL to have greater control of logistics movement and operations in-plant and inter-plant, bringing efficiencies in the supply chain of its input and in-process materials. The Control Tower is powered by alerting tools with real time trigger distributed notifications, directly to the concerned stakeholder related to exceptions such as delays, route deviations, unauthorised stoppage, SoP non-compliance, expiring documentation, GPS disconnection and blackouts over mobile applications. It helps in proactive monitoring of exceptions across logistics value-chain and also provides simple and fast exceptional resolution workflows.

## Aap ki Awaaz sessions at PMP

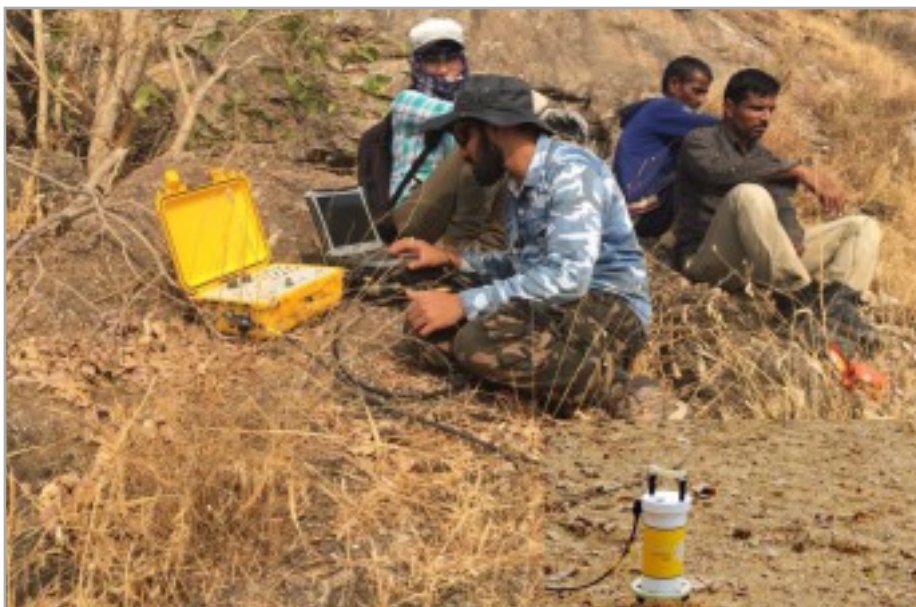
To enhance shop-floor interaction, Aap Ki Aawaaz was initiated in PMP on 18th November, 2019 in which the ExCo members interacted with Contract Workers. The event is a grievance redressal platform wherein the workers put forth their concerns which are addressed by the ExCo members. Additionally, it also established a great connect between the contractual workers and executives. We look forward to having more such sessions in future.



“Education is something which ought to be brought within the reach of everyone. The policy therefore ought to be to make higher education as cheap to the lower classes as it can possibly be made. If all these communities are to be brought to the level of equality, then the only remedy is to adopt the principle of equality and to give favoured treatment to those who are below level.”

- Dr. B.R. Ambedkar, Baba Saheb Economist and Social Reformer ”

### Adoption of new technology “SQUID” to underpin deeper potential



Exploration is like the backbone of the mining industry. The final goal of exploration is to discover an economic deposit in certain area and utilize it to its utmost potential. Generally, the natural resources which are located near surface have been discovered and are being utilized. The challenge for current and future mineral exploration is to discover new economic mineral deposits which are not well exposed, deep seated and concealed mineral targets. Hence, adoption of new technologies has become need of the hour to underpin this deeper potential.

Recently, HZL adopted best in class geophysical technique “SQUID- Superconducting Quantum Interface Device” first time in India. It's been used to look for deep mineralization on the Bamnia Kalan South ML. The association of existing mineralization which is conductive has suggested that the technique may be suitable to locate large deposits. The survey methodology included laying out a large loop of about 400m \* 400m wire on the ground with the receiver moving around on the surface & recording the conductivity of the rocks below. After quality checks, the acquired data is processed & interpreted in-house by the geophysicists and many drill targets are identified and then drill tested.

The technique has successfully identified targets which were not detected by earlier less sensitive geophysical technique.

### Rewards and Recognition for Maintenance Service providers/ OEM's

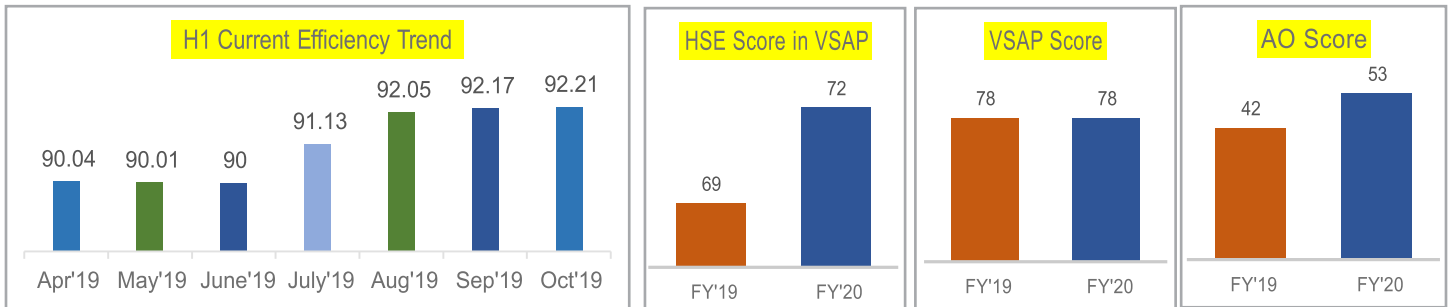


As per our R&R initiative launched by AO Team for the Rewards and Recognition of Our Maintenance Service Provider/OEMs at the HEMM. The winners for the month of October 2019 were felicitated in an award ceremony held at 23rd November 2019 at HEMM. This whole initiative is in line with the CEO Office Directive.

1. Rolling Trophy Were Awarded to following OEMs as the winner of October-Month
  - ❑ Best OEM (Performance): M/s Sandvik
  - ❑ Best OEM (Safety, 5-S, AO): M/s Normet
2. 15 Winners (5 Engineers & 10 Technicians) from OEMs were also rewarded in this ceremony.

### CSC creates benchmark across Vedanta group

Chanderiya SBU achieved VSAP score of 78, with 72 score in HSE. Standing 1st in HZL and 2nd in Vedanta. Achieved AO score of 53. Standing 1st in HZL and joint 1st in Vedanta. The global benchmark for Current Efficiency in zinc smelter is 92 %. To achieve global benchmark, CSC hydro team worked restlessly as the team to achieve 93 % CE. Hydro-I team has achieved 92%+ current efficiency in the month of August, September, October with tireless effort from entire team.



### Technology Upgradation at CSC

To increase 15000 TPA zinc production from existing hydro I cell house CSC added 8 new cells. After positioning and alignment of new cells with respect to old cells, new cells were taken in line and necessary programming modification carried out in Kunz crane for new added cells. Now Hydro-1 is equipped with 132 cells (earlier 124 cells), new 8 cell additions will add Zinc production of @15000 MT/year.



### Samvaad Sessions at PMP

Samvaad is an initiative in which our SBU Director has FGD with a group of employees. This establishes great connect and acts as a catalyst to promote generation of innovative ideas.

### Training on 'How to become a Star Performer' by PMP

To maximise efficiency of employees and develop their skills, a training was held at PMP on 'How to become a Star Performer'. The training was to enhance skills of the Ascent -28 group, to develop Personality and Soft Skills. The session was conducted by Trainer – Mr. Suresh Semwal.



# Women in MINING



Gender diversity is more than a mandate at Hindustan Zinc. Furthering this belief, our company has formed Women Councils at each SBU comprising 6 members; each member being coached by a SBU ExCo member. The objective of Women Council is to engage, collaborate, unleash potential and develop future leaders among these female powerhouse.

As one of the leaders in the mining sector, it is the responsibility of Hindustan Zinc to promote gender diversity and inclusivity. And these Women Councils are a step in the right direction.

## Zawar -

Recently, The Women Council from Zawar SBU visited Baroi Mine to understand the dynamics of Mining Operations and to promote Safety among workers during their interaction with them. The experience has helped in nurturing their bright minds and driving a culture of innovation.

### *Members, Zawar SBU*

Krishnaveni Veeram – Konda Alekhya –  
Aishwarya Paliwal – Sanchari Ghosh –  
Khushboo Jha – Sonali Sahoo



### Rajpura Dariba Complex –

The Women Council at RDC made a visit to the SK Mine with the theme as – Not Me, but We. Under this theme, the ladies conducted a health, hygiene and sanitation drive in the underground mine, along with a Safety Interaction with the mine workers.

#### **Members, RDC SBU**

Moumita Ghosh– Kajal Sathiala– Zarin Ali – Leenu Mittal – Divya Singhi – Vandana Jain

### Pantnagar Metal Plant –

The Women Council of PMP organized a self-defence training for all the female executives and business partners of PMP. After that, the members of Women Council briefed them about “Himmat Plus” app which designed for women safety and is controlled by the Delhi Police. The Council members also visited the shop-floor and conducted a “Safety Chaupati” in which they interacted with the shop-floor workers and had a discussion about Safety.

#### **Members, PMP SBU**

Neelima Sharma – P Sailaja – Priya Bhardwaj – Ailia Hasnain



### Chanderiya Smelting Complex –

The Women Council will act as a Single Point of Contact (SPOC) and formulate a continuous feedback mechanism from the female employees of the location. In order to keep the female employees updated with the external world the council will organize open sessions for 'Knowledge Sharing' and identify speakers from within. This would also help in developing the communication skills of the female employees.

#### **Members, CSC SBU**

Nehal Gupta – Neha Kushwaha – Zeel Chopra – Kumudani Kashyap – Aditi Verma – Sundeep Gill

## Technology Upgradation - PNG Line & Burner Installation at PMP

During the month of October, MRS installation was completed and three burners in Lead plant were commissioned and taken in line. Team PMP has successfully commissioned all Dual Mode Burner (Gas/Oil) with PNG/HSD in Kettle No. 3/4/5 in Lead plant and in Silver plant at Nobel/Cuple1/Cuple2.

Few Benefits Are as Under:

- ❑ Uninterrupted Supply: PNG is being supplied through pipe 24X 7. PNG offers the convenience of ensuring continuous and adequate supply of PNG at all times, without any problems of storing gas in cylinders.
- ❑ Convenience: Since the supply of PNG is continuous, the customer is relieved from storage space for the fuel and fuel inventory management as they don't need to monitor the fuel stock and material handling.
- ❑ Safety: Natural Gas is a safe fuel. In case of leakage, NG being lighter than air, disperses in the air.
- ❑ Economy: PNG is economical to LPG and any other liquid fuels. Thus there is savings on account of release of working capital for the commercial and industrial sector and deferment of expenses for the domestic sector.
- ❑ Eco friendly fuel: PNG is one of the cleanest burning fuels, and helps improve the quality of air. When natural gas burns completely, it gives out carbon dioxide and water vapour. These are the very components that we give out while breathing!
- ❑ No spillage and pilferage

PMP is the first ever plant across HZL to implement this.



### Optical Fibre Network at CSC

Seamless data connectivity for OSI Pi has been established with Optical Fibre network connecting all units of CSC. Pi System has been successfully deployed in Hydro smelter and CPP. Dashboards are made with trends of operational parameters and quality parameters.

Team Lead – Pradeep Mahajan

Team Members – Neelima Sharma, Prabhanshu Khare, Prashant Tiwari and Vipin Bansal

### VAP Development at PMP



PMP has developed 2 new Value Added Products and trail lot of same is being produced and supplied to customers:

- ❑ Galvalume – 26 MT
- ❑ EREĞLİ DEMİR – Turkey -100 MT

### Work at Height – Rescue Drill at PMP

Safety Trainings form an integral part of operations at Hindustan Zinc. We ensure that our employees are given thorough trainings before they perform their duties. One such training was held on 3rd December, 2019 on Rescue Drill while working at height at Pantnagar Metal Plant.

### Enriching Healthy Womanhood Session by HZL

A talk on Women Health was organised for female employees across Hindustan Zinc on 13th November, 2019. Two renowned gynaecologist Dr Sheetal Kaushik and Dr Nidhi from JK Paras Hospital, Udaipur interacted over TP with approximately 150 female employees for 2 hours on the topic “Enriching Healthy Womanhood”. The awareness session covered details on Carcinoma Breast Cancer, Pap smear test, PCOD and Menopause. The initiative was well appreciated by each female employee and we received numerous suggestions to organize more of such sessions frequently.



### Benchmarking visit by PMP to VAL – J

With a vision of being Benchmark SBU in Asset Optimisation, seven members of PMP team visited Val-Jharsuguda for benchmarking AO practices during November. The visit was very fruitful and there was a colossal value addition. The learning outcome was great.



### 5S session at PMP

Furthering Mahatma Gandhi's vision of Clean India, PMP has elevated its dedication towards 5s. To encourage the same, GETs from PMP performed a nukkad natak on 5s during the Sankalp meeting which was held on 3rd October 2019.

A portal was also launched for seamless capture of 5S audit details so that the employees can utilise it to the fullest potential.



# Hindustan Zinc CEO celebrates a special Children's Day



'There is a child in everyone and every child is special' was the thought on this children's day, as Hindustan Zinc CEO – Sunil Duggal celebrated this occasion with some special students. The CEO made a visit to the Pragya Chakshu School for Blind, Udaipur on 13th November, 2019 and spent some quality time with 104 visually impaired students.

Understanding how technology interventions from Hindustan Zinc are benefitting students of the Pragya Chakshu School, CEO HZL was very happy to interact with the students.

He had a brief discussion on the daily routine of the students, and was impressed on how seamlessly these students carry out their daily activities. The students too showed their enthusiasm, by sharing their emotions and aspirations. They were very optimistic on their future and the avenues for their upliftment in the society.

After this interaction, CEO HZL urged these students to be given an equal opportunity to grow in the society and no talent should be denied a chance to shine because of an impairment.

He reiterated that, “Jeevan Tarang is an initiative to work towards a more inclusive society, where every single ability & disability gets the same opportunities and recognition. Hindustan Zinc has partnered with experts to build capacities of these institutions and also engaging industry representatives to ensure good job opportunities for them.”



The Pragya Chakshu Blind School is a beneficiary under Hindustan Zinc's Jeevan Tarang initiative. “Jeevan Tarang” is a unique initiative with an objective of enhancing education and skill opportunities for the disabled, and mainstreaming them into the society. Under the program, around 500 beneficiaries have been identified from Hindustan Zinc's operational areas by working with schools for deaf-mute, visually impaired and for children with brain damages in Ajmer, Bhilwara, Chittorgarh and Udaipur.





# Community Connect Initiatives

## Inauguration of Sakhi Production Centre by CEO



CEO HZL, Mr. Sunil Duggal inaugurated Sakhi Production Centre at Putholi along with the Sarpanch - Putholi Komal Vaishnav. The production centre has been started for Sakhi members to make quality garments and ensure their livelihood. Mr. Rajesh Kundu - Head Business Excellence, Location Head – Mr. Pankaj Kumar, CSR team CSC, Unit Head Pyro - Kamod Singh, CSO - Rishiraj and HR Head Anagat Aashish were present during the event.

"I had a great time interacting with Sakhi women at Chittorgarh while inaugurating Sakhi Production Centre. We believe that every Woman has potential and abilities to bring change in World. What they need is right guidance & an opportunity to become self-reliant and we are giving it

through our project 'Sakhi'," said Mr. Duggal.

## Hindustan Zinc inaugurates first Plastic Bottle Reverse Vending Machine



Sustainable Development is not a necessity rather an approach towards anything we do. This is the core philosophy with which Hindustan Zinc operates. To encourage a sustainable lifestyle and help to effectively recycle plastic bottles, Hindustan Zinc setup the first Plastic Bottle Reverse Vending Machine in Udaipur on 13th December, 2019.

The Reverse Vending Machine, installed at Forum Celebration Mall in Udaipur, was inaugurated in association with Rajasthan State Pollution Control Board (RSPCB). The Chief Guests for this event was Dr. B.S. Panwar, Regional Officer (Udaipur) RSPCB along with Dr. Saroj Panwar. On the occasion, Dr. B.S. Panwar appreciated the efforts by Hindustan Zinc, while also addressing the importance of recycling and a sustainable development.

“The problem indicates that our emphasis must be two-fold. We must create full employment or we must create incomes. People must be made consumers by one method or the other. Once they are placed in this position, we need to be concerned that the potential of the individual is not wasted. New forms of work that enhance the social good will have to be devised for those for whom traditional jobs are not available.”  
- Martin Luther King Jr., Social Activist – Nobel Peace Prize Winner

## कायड़ माइंस अजमेर द्वारा पॉलिथीन मुक्त बनाने पहल

देश को पॉलिथीन मुक्त बनाने के लिए एक कदम स्वच्छता की ओर के प्रधानमंत्री की पहल को हिन्दुस्तान जिंक और महानिदेशक खान एवं सुरक्षा अजमेर क्षेत्र द्वारा डीजीएमएस कार्यालय अजमेर से अनासागर चौपाटी तक रैली निकाल कर आम जन को संदेश दिया गया।

इस रैली में महानिदेशक खान एवं सुरक्षा अजमेर के अधिकारी, कर्मचारी, आसपास के क्षेत्र के प्रबुद्ध जन एवं महिलाएं, हिन्दुस्तान जिंक कायड़ माइंस के अधिकारी एवं कर्मचारी सम्मिलित थे। जिन्होंने सकारात्मक संदेश देते हुए कपड़े के बैग उपलब्ध करा शपथ दिलायी कि ना वें पॉलिथीन का उपयोग करेंगे ना ही अपने आसपास किसी भी व्यक्ति को इसका उपयोग करने देंगे।



## ज़िंक मजदूर संघ कार्यालय में नेहरू की जयंती मनायी



भारत के प्रथम प्रधानमंत्री पण्डित जवाहरलाल नेहरू की जयंती पर हिन्दुस्तान जिंक चंदेरिया लेड जिंक स्मेल्टर के मजदूर संघ कार्यालय में उनकी मूर्ति पर माल्यापण किया गया। उनके जीवन पर प्रकाश डालते हुए सभा आयोजित की गयी। इस अवसर पर हिन्दुस्तान जिंक के पायरो इकाई प्रधान कमोद सिंह, यूनियन के महामंत्री घनश्याम सिंह राणावत, लोकेशन एचआर हेड अनागत आशीश, एसएस सोनी, एसके मौड, पीसी बाफना, बालकिशन माली, दिलीप सिंह, सीएम जायसवाल, मोहन वैश्वव सत्यनारायण कुमावत, शंभूलाल जाट, शंभू मेनारिया एवं अन्य मजदूर साथी उपस्थित थे।

## Fire Safety Training at RAM

A fire safety training was conducted on 12th October, 2019 to promote fire safety and awareness among students, the basic properties of fire, different fire hazards & risk factors and how to respond to sudden fire. 480 students of Jawahar Navoday School - Hurda and 35 NCC students of Zinc School along with Safety Staff of RA Mines were present for this.

## CMAM Training under Khushi Project at RAM

Under our Khushi project, CMAM Training for 85 ASHA 30 ANM was conducted on 11th-12th October and 18th-19th November, 2019 at Agucha and Gulabpura respectively. The main objective for the training was to improve the understanding about Malnourishment and what can be to decrease the same by effective intervention.



## Inauguration of Water ATMs and Foundation stone of Classroom by ZSD



Hindustan Zinc is always committed towards upliftment of its neighborhood community along with its business. It is our vision to enhance the quality of life & economic wellbeing of the communities around our operations. As dedicated to the welfare of nearby community- 2 water ATMs inaugurated at Dhana and Gadwa villages and One classroom foundation stone laid by dignitaries - Mr. Dharamnarayan Joshi (MLA-Mavli), Mr. Anil Tripathi (Director

- Zinc Smelter Debari). Earlier Hindustan Zinc had already installed 3 RO plants Merta, Mahaj ki khedi and Mandesar villages along with 4 ATMs which are running on self-sustainable mode. This ATMs are having capacity of 3000 litres of water in which water will be filled & supplied by tanker vehicle. 20 litres for pure water will be available only for Rs. 6 for the community. This initiative is likely to benefit more than 1000 family members from nearby community on daily basis. Also Laying of foundation stone ceremony of classroom was organized by Hindustan Zinc at Government Senior Secondary School, Merta. This school is having shortfall of rooms and HZL is going to construct one classroom for improving basic amenities in the in the school. Villager representatives, Senior management of ZSD plant were present during the events.



## Scientific Farmers Training & Method Demonstration at Debari

Samadhan Project is one of the flagship CSR initiative which is running in different areas of Rajasthan with an aim to provide technical input, support & training to farmers and thereby leading to a further increase income additionally through agriculture & livestock practices. In lieu of this, a scientific farmers training was recently held by BAIF (implementing partner of project) where they invited expert agronomists from PUSA institute to deliver demonstration on Hydrogel usage & sowing pattern of Rabi crops. More than 65 farmers & field coordinators from all five locations participation in this insightful discussion. They discussed on varied ways & techniques with limited source of water, how agriculture productivity can still be increased using latest scientific methods & trainings by experts.



### Bal Mela at Zinc Smelter Govt. School



On the eve of Children's Day, Zinc Smelter Debari inaugurated & participated in a cultural event called Bal Mela at their nearby school that was organized by children belonging to the local community. Over 150 children were present during the occasion and COO Smelters, HZL- Mr. Vinod Wagh, Director ZSD - Mr. Anil Tripathi along with other senior management of ZSD & other employees were present to motivate students, while also having an interactive participatory session into different kinds of activities organized by kids. Our COO Smelters urged the kids and school teachers to pay special attention on safety, education and sanitation, while also emphasizing the need of extracurricular activities for inclusive development.

### आगूचा के दो राजकीय विद्यालयों में सोलर सिस्टम स्थापित



हिन्दुस्तान जिंक रामपुरा आगूचा खान द्वारा सीएसआर के अंतर्गत राजकीय उच्च माध्यमिक विद्यालय आगूचा व राजकीय बालिका माध्यमिक विद्यालय में नवस्थापित सोलर सिस्टम उद्घाटन किया गया। समारोह में डायरेक्टर रामपुरा आगूचा सुजल शाह ने बच्चों को सम्बोधित करते हुए कहा कि उर्जा संरक्षण देश के भविष्य की प्रगति में एक अहम भूमिका निभाता है। उन्होंने कहा कि हिन्दुस्तान जिंक शिक्षा के प्रति सदैव सजग है और हमारा प्रयत्न रहता है कि ग्रामीण शिक्षा में अहम भूमिका निभाते हुए सभी सुविधा मुहैया कराये जो कि शहरी विद्यालयों में है। हिन्दुस्तान जिंक की रामपुरा आगूचा इकाई द्वारा सीएसआर के अन्तर्गत उक्त दोनों विद्यालयों में क्रमशः 10 एवं 5

किलोवाट के सोलर सिस्टम लगाये गये हैं जिससे सम्पूर्ण विद्यालय की विद्युत आपूर्ति इन्हीं सोलर सिस्टम से हो रही है और विद्यार्थियों के अध्ययन में लाभदायी सिद्ध हो रहा है। इनके फलस्वरूप विद्युत की आपूर्ति नियमित होने से कम्प्यूटर की शिक्षा बाधित नहीं हो रही है।

### Shiksha Sambal Program at Kayad

For the best utilization of Diwali Holidays, extra classes were conducted via Shiksha Sambal programme in seven government schools near Kayad mines for students of class 9th & 10th for Science, English and Math subjects. Students were mobilized and encouraged to attend the schools, and home visits were also done.



### Inauguration of CC Road and Pipe Line by Director CSC

As a part of CSR initiative under rural infrastructure, a 500 m CC road and 1200 drinking water pipe line work was completed as per the need raised by villagers during interaction with Director SBU CSC – Mr. Pankaj Sharma. Accordingly the work was inaugurated in presence of Bhuwanipura villagers. The villagers thanked and had a positive feedback for the completion of work.



### Safety Awareness Program at Kayad School

A session on awareness of First Aid was taken for students and teachers on 14th November, 2019 at Kayad School. Training on types and usage of fire extinguishers was conducted, practical demonstration of fire extinguishers was also done by teachers and students.

A total of 200 students along with government teachers and principal participated. School principal Ms. Madhu shared that every student should be safety conscious and aware of their surroundings. As the sessions were related with the rural settings, it was easy to grasp by the students.

### Children's Day Celebrations at Nandghars



The children of today will make the India of tomorrow. The way we bring them up will determine the future of the country. At Hindustan Zinc, we are committed to the primary goal of strengthening development of our children from surrounding nearby community to their fullest potential while making sure that they get the best of everything through Khushi Anganwadi Program. On the eve of Children' Day, our female employees from Zinc Smelter Debari, visited one of the Nandghars to enliven the experience of being a child who lives in every single person.



### Inauguration of Water ATMs and Foundation Stone for Classroom by Hindustan Zinc



Hindustan Zinc is always committed towards upliftment of its neighbourhood community along with its business. It is our vision to enhance the quality of life & economic wellbeing of the communities around our operations. As dedicated to the welfare of nearby community - 2 water ATMs were inaugurated at Dhana and Gadwa villages and one classroom foundation stone was laid by dignitaries - Mr. Dharamnarayan Joshi (MLA- Mavli), Mr. Anil Tripathi (Director – Zinc Smelter Debari), Mr. Jeet Singh Chundawat (Pradhan – Panchayat Samiti Mavli). RO water will be supplied from recently installed RO plant at Merta village. Earlier, Hindustan Zinc had installed 2 RO plants at Mahajki khedi and Mandesar villages along with 4 ATMs which are running on a self-sustainable system.

This plant will treat water which will be safe for drinking and help the community in terms of health improvement and prevention from water borne diseases. The ATMs are having capacity of 3000 litres of water in which water will be filled & supplied by tanker vehicle. 20 litres of pure water will be available only for Rs. 6 for the community. This initiative is likely to benefit more than 1000 family members from nearby community on daily basis.

The event was graced by the presence of Mr. Khem Singh Deora (Village Sarpanch Representative). During the event, Mr. Narayanlal Joshi (School Principal), Dabok Mandal Pramukh – Mr. Jawan Singh Ranawat, Mavli Panchayat Samiti Member–Bhupendra Meghwal, Mr. Suresh Khatik (Up-Sarpanch Merta), Community people along with senior management of Zinc Smelter Debari were present.

### Plastic Awareness programme for Sakhi Sangam Federation



As a part of employee engagement activity in CSR and imparting awareness on reducing use of plastics in community, an awareness programme was organised for Sakhi leaders to sensitize them on not using plastic to save the earth.

Mrs. Manish Bhati - Environment Officer Chanderiya oriented the Sakhi Leaders on the harmful impact of plastics. She emphasized on the reduce, reuse, recycle philosophy and ban use of single use plastic. Cloth bags were distributed to Sakhi Leaders in the programme. 28 Sakhi leaders participated along with Sakhi partner team - Manjari foundation.

### Inauguration of Athletic Track at Segwa

To recognise and promote rural sporting talent at a national level from Chittaur district, Hindustan Zinc constructed a 400 m Athletic Track. MP and MLA Chittorgarh - Shri C.P.Joshi and Chandra Bhaan Singh Aakya inaugurated the track on the occasion of National Unity Day. This was also celebrated on 144th anniversary of Sardaar Vallabh Bhai Patel.



### Support to rain fed Farmers via SAMADHAN at Kayad



Under Samadhan Project, Gram Seeds were provided as input to 1139 Rainfed Farmers. In all, 15kg Gram (Cicer Arietinum) RSG 974 + insecticide 250 ml was provided. SAMADHAN project aims for agriculture betterment and crop enhancement with support to livelihood in Kayad and nearby villages.

### Plantation drive for Pulwama Attack Martyrs at Kayad

As a tribute to Martyrs of Pulwama attack and also under the umbrella of Jal Shakti Abhiyan, a plantation with tree guard was done at Madarpura Village and awareness was spread for saving Environment.



### SBU Members Community Connect at CSC

As a part of enhancing connect with the surrounding villages on a regular basis, an informal visit was made by Head Safety Mr. Aaditya Singh on 2nd December, 2019. The visit was to Hajurpura village; covered under Kanthariya Panchayat along with CSR Team. Interactions were made with upper primary school staff and students regarding their overall development to streamline the government school students.

### Cleanliness Drive by Sakhi Women at Kayad

The VO's formed in Sakhi project have started identifying and strengthening their power of unison and are now making their visibility felt in the village. In the month of October following were the two exemplary situations where we could witness this.

Two Village organizations celebrated Swachhata Divas on 2nd October, 2019; commemorating Gandhi Jayanti with its ideals of a clean and green India.



“  
*“Overcoming poverty is not a task of charity, it is an act of justice. Like Slavery and Apartheid, poverty is not natural. It is man-made and it can be overcome and eradicated by the actions of human beings. Sometimes it falls on a generation to be great. You can be that great generation. Let your greatness blossom.”*  
 - Nelson Mandela, Father of the Nation – South Africa Revolutionary & Philanthropist

## हिन्द जिंक स्कूल का वार्षिकोत्सव, स्पंदन 2019 आयोजित



हिंद जिंक स्कूल का वार्षिकोत्सव जिंक स्कूल प्रांगण में अत्यंत ही हर्षोल्लास के साथ संपन्न हुआ। विद्यालय की जन प्रतिनिधि वंदना सिंह ने बताया कि स्पंदन 2019 का आगाज़ हिंदुस्तान जिंक के लोकेशन प्रमुख श्री पंकज शर्मा द्वारा दीप प्रज्ज्वलन से हुआ। सरस्वती वंदना के पश्चात् नर्सरी से लेकर कक्षा पाँचवी तक के सभी बच्चों ने आकर्षक प्रस्तुतियाँ देकर सभी का मन मोह लिया। अन्य विद्यार्थियों द्वारा प्रस्तुत कार्यक्रमों में हिंदी एकांकी पृथ्वी की वेदना, नन्हे-मुन्ने बच्चों का घूमर नृत्य, सूफी नृत्य, गोयन नृत्य, आर्केस्ट्रा एवं मोबाइल से दूर रहे, पर आधारित कार्यक्रम ने दर्शकों की खूब तालियाँ बटोरीं। विद्यालय की प्राचार्या श्रीमती बिंदु नायर ने विद्यालय की वार्षिक

रिपोर्ट के अंतर्गत बोर्ड परीक्षा परिणामों का उल्लेख करते हुए विद्यालय की प्रगति एवं उपलब्धियों का वर्णन किया। तत्पश्चात् मुख्य अतिथि श्री पंकज शर्मा द्वारा शैक्षणिक क्षेत्र में उत्कृष्ट प्रदर्शन करने वाले छात्र छात्राओं को पुरस्कार एवं प्रमाण पत्र प्रदान किए गए।

## जिंक नगर चितौड़गढ़ में राजकीय विद्यालयों के विषय अध्यापकों की कार्यशाला

हिन्दुस्तान जिंक और विद्या भवन सोसायटी के संयुक्त तत्वाधन में, शिक्षा संबल परियोजना के अन्तर्गत सम्मिलित विषय अध्यापकों की कार्यशाला आयोजित की गई जिसमें शिक्षा संबल परियोजना के अन्तर्गत सम्मिलित विद्यालयों के अंग्रेजी, विज्ञान, गणित विषयों के 45 अध्यापकों ने भाग लिया। कार्यशाला के आरंभ में विद्या भवन सोसायटी से श्री अरुण कुमार ने शिक्षा संबल परियोजना में सम्मिलित राजकीय विद्यालयों में पिछले 3 सालों के बोर्ड परीक्षा परिणामों पर अध्यापकों से फीडबैक लिया और शिक्षा संबल परियोजना की गतिविधियों का तुलनात्मक विश्लेषण प्रस्तुत किया।



## Launch of V-SMILE Campaign

V-Smile drive was launched to engage our employees with Anganwadi kids where employees/families would spend time with children and engage with them by any fruitful means. Our very first participants were our Head Environment, ZSD- Ms. Sadhna Verma along with her tiny toddler, who visited Tulsi Das Saray Nandghar & celebrated birthdays of children & welcomed new joiners to Anganwadis. We are anticipating to see more employees joining hands & creating a difference both in community & in their personal lives. This is likely to redefine the concept of "Leadership with Care" at hearts-contributing one bit to Desh Ki Zaroorat Ke Liye.

“Our greatest natural resource is the minds of our children. Having spent most of my life creating material for children and observing their potential, I feel convinced that a full-time education for your youth is the best investment in the future.”  
- Walter Elias Disney, Pioneer of Animated Cartoon Films  
Creator of Mickey Mouse & Donald Duck



### Seed Distribution to 1800 farmers at CSC under Samadhaan Project

To enhance the annual income of farmers from 16 surrounding villages, seed distribution took place for high yield of Rabi Crop - wheat Rajseed 4037. Farmers covered under this project and rain fed activities were benefited. 500 new farmers have been added under the projects this year

To sensitise farmers about new technology and methods to increase production, five farmer trainings were held in the month of November. Cluster BISLD staff & CSR team were involved in the event.

An exposure visit to National Research Centre on Seed Spices was also organized on 15th November under this. The visit took place with a purpose to give better understanding to the farmers about different options of seeds available.



### Farmer Trainings at RAM

On 4th December 2019, Under Samadhan Project at Kayad, a calf rally was organised wherein around 60 farmers and 35 calves participated. The purpose was to display and to showcase the best quality calves born by the support provided to farmers through SAMADHAN livelihood project. On the occasion, Director and Deputy Director from district livelihood department participated. Prize distribution was held and farmers having best calf and other categories were honoured by guests.



### Calf rally at Kayad

A Calf rally was organised at Shivpura village under Samadhaan project exhibiting female calves born after artificial insemination for breed improvement in existing livestock. 30 farmers with their calf family participated in exhibition. They were recognised by Dr. Mangesh Joshi - Dy. Director Animal Husbandry Chittaurgarh, Dr. Sunil Dole Sr. Veterinary Doctor Gangrar and Dr. Pramod Kumar Pancholi. CSR team and Samadhaan Team took feedback from farmers for the project.



### Calf Rally at Shiv Pura Village

### Plantation Drive Kayad

With an ambition of planting 1 lakh saplings, a plantation drive was conducted at Kayad. Plantation of more than 150 plants with tree guards was undertaken at Kayad Vishramstali on occasion of Constitution Day & also as a part of Swachhata Pakhwada initiative. The event was graced by the presence of Director Kayad Mine – Mr. Sanjay Khator, Exco Members and Nazim & Asst. Nazim from Ajmer Dargah.



### Diwali Milan with Unchi Udaan & Maruti ITI Scholars at ZSD

Abiding to Vedanta's philosophy of nurturing trust & caring relationships within community where we operate in, Senior Management at Zinc Smelter Debari met with 18 Unchi Udaan & 2 Maruti ITI students from our nearby villages for an impromptu post Diwali celebration. All 20 scholars along with their parents were present to share their feedbacks & experiences of the opportunities that they're benefiting through two of our CSR interventions & how the experiences can get more better. Mr. Praful Malviya, HR Head Debari; Ms. Sadhna Sharma- Head Environment; Mr. Nand Kumar- Head Operations along with CSR team members interacted with parents & children while also motivated them to help more students & youth from their respective villages to apply and take advantage of such scholarships being provided by the company.



### Sports

#### Kabaddi Tournament at Kayad

To encourage local sports, Kayad mines organized a Kabaddi Tournament at Gagwana Village in which more than 30 teams participated. Winners were as follows:-

**Girls** - Winner - Tiloniya team; Runners-up - Gagwana team

**Boys** - Winner - Untada team; Runners-up - Gagwana team

The Event was graced by Sarpanch, Kayad SBU EXCO members along with Director Mr. Sanjay Khator as chief guest of the event. During the event every team participated were given sports kit and the winners were awarded Rs. 21000/- as cash prize while runner up teams were awarded with Rs. 11000/-.



#### Physical Fitness Camp at Udaipur

In order to assess the physical fitness of players and better gauge their ability, a fitness camp was organised at Udaipur. The camp was held on 3rd-4th November, 2019 for girls of KJBV School and on 17th-18th November, 2019 for Nayi Arwad village.



# The Festival of Lights! at Hindustan Zinc



The true essence of Diwali lies in spreading the joy of this festival, not the smoke and fumes of crackers. Hindustan Zinc celebrated a Diwali of care towards our loved ones, and care towards the environment. Pledging for sustainable development, the employees of HZL refrained from bursting crackers this Diwali.

The Head Office planned some exciting activities and events to celebrate the festival of lights. Employees enjoyed decorating their desks, having quality time with their family at the office and a cultural night for all to enjoy.



## Deputy CEO – Mr. Arun Misra visits CSC



It was an immense pleasure to welcome our Dy. CEO – Mr. Arun Misra on his visit to CSC location. In his visit, he inaugurated Defensive Driving Training Centre in CSC. The Centre has simulators both for two wheeler and four wheeler in both Hindi & English language. Each day 30 employees will be trained on the defined module in simulator to give live examples & learning.



### Visit of CII team to CSC

CII assessors team- Mr. Amit Lele visited CSR project sites at Bordiyana, Putholi, Salera, Suwaniaya and Ajoilia ka Kheda villages to interact with Sakhi SHG members engaged at Putholi production centre, Shiksha Sambal & Nandghar children and farmers covered under Samadhaan programme.

### CII Team visit to CSR projects

CII team members Smt. Manjari, Mr. Amitabh and Mr. Ghanshyam visited our flagship projects being implemented in the communities in December. They interacted with farmers enhancing their annual income through high density plantation and students under Shiksha Sambal and Mindspark project.

## Director Operations – Mr. Laxman Singh Shekhawat's visit to PMP

Mr. Laxman Shekhawat - Director Operations, HZL graced PMP with his presence on 2nd December, 2019. The day commenced with a 'Sankalp' meeting. He congratulated the Team for achieving Zero Harm and the highest CGG Jumbo Production. A monthly environment conservation initiative - SANRAKSHAK was launched followed by a plantation drive. Subsequently, he interacted with the SBU ExCo, Young Leaders and Diversity at PMP. He briefed about the significance and magnitude of safety and quality and how it is of utmost priority at HZL. He also motivated the participants to adhere to all the safety norms and standards. His interaction was very thought provoking. We look forward to more such visits by great leaders!



# Deeds to Emulate

## Mr. Mahesh Kumar Nagle

PMP Head Mechanical



Mr. Mahesh Kumar Nagle, Head – Mechanical in Pantnagar metal Plant has successfully qualified for NEBOSH International General Certification in Occupational Health and Safety with a credit score of 188. This is a great achievement for the HSE Team, a hearty congratulations to him.

## Mr. Sachin Deshmukh

RAM Safety and Production Head



Mr. Sachin Deshmukh from RAM has decided to make a difference in the way we look and think about Safety. He has re-designated himself as Safety and Production Head to demonstrate his commitment towards safety. Let's join to appreciate Sachin Deshmukh who has taken safety and care of fellow employees as first priority and value.

## Mr. Sunil Vashist

AGM Business Development

Mr. Sunil Vashist obtained his Degree of Doctor of Philosophy from Mohanlal Sukhadia University, Udaipur. His PhD was for research in 'Geological Investigation of Base Metals Deposit of Ajmer District, Rajasthan with Special Focus on Exploration and Mining Challenges'. Education and learning has no barrier, and Mr. Sunil has proved this with his achievement.



# Winter is coming

## 6 healthy foods to keep you warm during winters



With the temperatures dropping, so do your energy levels through the day. But don't worry, here are 6 Indian winter foods to keep you going through the winter.

### 1. Dry fruits and nuts

Scrap your unhealthy office time snacking with these nutritious and healthy dry fruits. Almonds, walnuts and pistachios with your breakfast and dried apricots, figs and raisins for snacks are a great alternative.

### 2. Pepper, Fenugreek and Hing

Known for our spices, these three ingredients are customary in almost every Indian speciality. Adding dry fenugreek to your rotis and dals for lunch or dinner, can give you not only an appetizing meal but also generate warmth in the body.

### 3. Tulsi and Ginger

Now who doesn't like a hot cup of tea with tulsi and ginger! Tulsi has anti-bacterial, anti-biotic and anti-viral properties that helps in keeping the body healthy.

### 4. Root and leafy veggies

Roots like carrots, onions and green beans with leafy veggies like palak and methi are loaded with rich sources of nutrients like beta-carotene and vitamin C. Great to be consumed during winters.

### 5. Whole grain cereal and pulses

Bajra, Jowar, Makkai, Jau and Ragi are some of the common whole grain cereals that are consumed locally during winters. Include this in your roti that accompanies your favourite pickle.

### 6. Ghee

The best thing is always at the last. Who does not love ghee! Studies show that ghee is a healthy fat that cuts the bad fat in your body to stay in shape. In limited amounts though.

## दरिद्रता का नाश

एक निर्धन विद्वान राजा से मिलने गया। घर से पोटली में कुछ चावल बांध कर निकला। निर्धन विद्वान के पास चावल के अलावा कुछ था भी नहीं जो उपहार स्वरूप राजा को दे सकें।

रास्ते में किसी ने उसका चावल निकाल लिया और उसके बदले पोटली में लकड़ी के टुकड़े बांध दिए। वह राजा के दरबार में पहुँचा। दरबार में राजा के सभी चारण मौजूद थे। निर्धन विद्वान ने अपनी भेंट देने के लिए राजा से प्रार्थना की।

दरबार में उपस्थित सभी लोग आश्चर्य चकित थे। भला, यह निर्धन कौन सी भेंट राजा को देगा। राजा की आज्ञा पाकर उसने अपनी पोटली खोली। चावल की जगह सूखी लकड़ी देखकर निर्धन विद्वान सन्न रह गया। उसका उपहार देखकर सभी लोग हंसने लगे।

यह सब देखकर राजा भी चुपचाप अपनी नजर इधर-उधर फेरने लगा। कुछ देर में हंसने वाले चुप हुए।

उसके बाद दरबार में बैठे राज पुरोहित ने निर्धन से पूछा- “ये सूखी लकड़ी क्यों लाए हो?”

निर्धन विद्वान ने राजा की ओर मुंह करके उत्तर दिया-“हे राजन! जिस प्रकार भगवान शिव ने कामदेव, हनुमानजी ने लंका और अर्जुन ने खाण्डव वन को जला दिया था, उसी प्रकार आप हमारा दरिद्र जला दीजिए। यह सूखी लकड़ी दरिद्रता की निशानी है।”

राजा को निर्धन की बात जँच गई। उसकी विद्वता पर प्रसन्न भी हुआ। राजकोष से उसको काफी धन दिया। धन लेकर वह जब जाने लगा तो पीछे मुड़-मुड़ कर देखता रहा। राजा ने जब पीछे मुड़ कर देखने का कारण पूछा तो निर्धन ने जवाब दिया-“राजन! देख रहा हूँ कि कहीं दरिद्रता मेरा पीछा तो नहीं कर रही है।”

# Oops !!! Ritu missed some, added some...

**Kid's Column !!**

Naughty Ritu made 7 differences while copying the Picture - 1, she missed some and added some in the new Picture - 2. Let's find those 7 differences in Picture - 2.

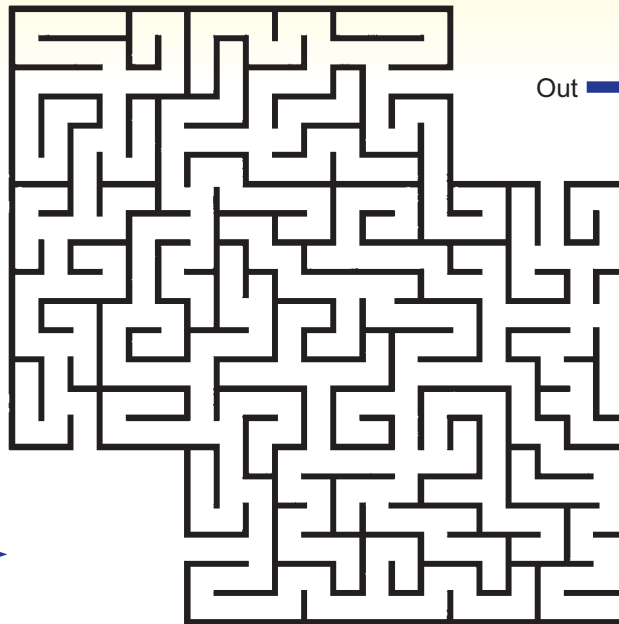


- Answers: Picture 2**
- 1) Colour of books on top shelf
  - 2) Time on clock on top shelf
  - 3) Design on cube on bottom shelf
  - 4) Smile of girl sitting behind
  - 5) Patch on top left corner of map
  - 6) Shoe colour of the teacher
  - 7) Clock on ground

## Help Aarohan reach the PPEs



In →



Out →



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