

# ZINC NEWS

THE MONTHLY HOUSE JOURNAL OF HINDUSTAN ZINC

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## Dear Colleagues,

Last few weeks have been pioneering for Hindustan Zinc from many perspectives. Not only have we begun the new financial year with more determination than before, I also see that the seeds of hard work sown last year have started bearing fruits. From breaking grounds to breaking barriers, Sandhya and Yogeshwari have done it all by becoming India's 1st woman Mine Manager and India's 1st woman with First Class certificate in both 'restricted' and 'unrestricted' category respectively. Our employees have shown high performance and are creating high value for the organization; receiving grant for US patents for 2 sustainability technologies developed inhouse has been one of them. Going forward, we must continue to strive harder and aim higher for better results and production.

As you all know and might also have experienced, COVID cases across the country and our state are rising again. True grit & resilience of businesses is tested in times of adversity. Even in this second wave, we must remember the learnings made during the initial COVID times. Those learnings & structural changes made are valuable assets for us that will continue to be of great help now. While we are better prepared than last year, we still need to be alert and take all precautionary measures so that we and our families can stay safe.

I urge everyone who is eligible to get vaccinated. You must follow COVID protocols and help each other in times of emergency.

We as an organization have stepped forward and done our bit by helping save many lives with the supply of oxygen which we are voluntarily providing to the government for medical treatment of COVID patients. I encourage everyone to demonstrate similar behavior in their professional and personal lives and continue to be COVID superheroes.

Take Care & Stay Safe!

Thanks,  
Arun Misra  
CEO - HZL

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our CEO on Twitter:



प्रिय साथियों,

विगत कुछ सप्ताह कई दृष्टिकोणों से हिंदुस्तान जिंक के लिए महत्वपूर्ण रहे हैं। न केवल हमने पहले की तुलना में अधिक दृढ़ संकल्प के साथ नए वित्तीय वर्ष की शुरुआत की है, यह भी विदित हो कि गतवर्ष किये गये परिश्रम का फल भी हमें मिलने लगा है। बाधाओं से परे किर्तीमान स्थापित करते हुए, संध्या और योगेश्वरी ने 'प्रतिबंधित' और 'अप्रतिबंधित' श्रेणी में फरुट क्लास सर्टिफिकेट से प्रमाणित एवं देश की पहली महिलाखान प्रबंधक का गौरव प्राप्त किया है। हमारे कर्मचारियोंके उत्कृष्ट प्रदर्शन और कंपनी के लिए प्रयासों से हमारी 2 सस्टेनेबिलिटी इन हाउस टेक्नॉलोजी को यूएस पेटेंट मिलना उनमें से एक है। भविष्य में भी हमें बेहतर परिणाम और उत्पादन के लिए कठिन प्रयास जारी रखने है।

जैसा कि हम सभी जानते हैं और अनुभव कर रहे हैं, देश और प्रदेश में कोविड के मामले फिर से बढ़ रहे हैं। प्रतिकूल परिस्थितियों में व्यवसाय के सच्चे धैर्य और प्रतिक्षेप का परीक्षण होता है। इस दूसरी लहर में भी, हमें कोविड के शुरुआती समय में रखी गयी सावधानियों और उपायों को याद रखना चाहिए। उस समय की सीख और संरचनात्मक परिवर्तन हमारे लिए मूल्यवान हैं जो पुनः सामान्य स्थिति में लौटने के लिए महत्वपूर्ण है। हालांकि हम गत वर्ष की तुलना में इस वर्ष पहले से अधिक सचेत हैं, फिर भी हमें सतर्क रहने और सभी एहतियाती कदम उठाने की आवश्यकता है ताकि हम और हमारे परिवार सुरक्षित रह सकें।

मैं सभी से आग्रह करता हूं कि वे जो टीकाकरण के योग्य हैं, कोविड प्रोटोकॉल का अवश्य पालन करें और आपातकाल के समय में एक-दूसरेकी सहायता करें। एक संगठन के रूप में हमने आगे बढ़ कर स्वेच्छा से प्रशासन और सरकार के साथ मिलकर कोविड रोगियों के उपचार के लिये ऑक्सीजन की आपूर्ति से आमजन के जीवन रक्षा हेतु सहायता की है। आप सभी को प्रोत्साहित करते हुए मैं सभी से आवाहन करता हूं कि आप एक कार्मिक और व्यक्तिगत जीवन में समानरूपसे स्वयं कोविड हीरो के रूपमें सुरक्षित रखना जारी रखें।

खयाल रखें और सुरक्षित रहें!

धन्यवाद,

अरुणमिश्रा

मुख्य कार्यकारी अधिकारी, हिन्दुस्तान जिंक

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our CEO on Twitter:



## BUILDING A CULTURE OF SAFETY AT HINDUSTAN ZINC

### TRAINING

Every month, the safety teams at Hindustan Zinc roll out key safety initiatives across all the operations and units to raise awareness amongst employees and contract workers. Multiple on-ground events and workshops were initiated under the awareness theme of 'Excavation and structural stability' for Smelters and 'Dewatering & Backfilling' for the Mines. During the training 2349 contract workers were trained, 30 JCC done, 25 SOPs reviewed and Mass Communication was done at all the sites. The theme for April was 'Fire Safety and COVID Awareness'.



Red light with hard fencing



Pledging oath for safety

## BEING WATER EFFICIENT

### EFFICIENCY

There was a requirement of water at Chanderiya for running business operations. To meet this demand, it was decided to supply the water from Sewage Treatment Plant (STP) at Debari to Chanderiya through road and railway.



50,000 litre water tankers were arranged within 3 days and water supply was started to Chanderiya. Once the team received clearance from Railways to lay the pipe within 11 days, 1.3KM pipe was laid and system made ready. Water supply started through railway track. A total of 16.54 crore litres of water was supplied to Chanderiya.

This project was led by Mr. S. Baskaran, Head-Engineering & Asset Integrity, ZSD with a team of 4 members - Mr. Kalyan Gorai, Mr. Rajendra Ahari, Mr. Mahesh Bhure and Mr. Saumya Ranjan Das.

## HINDUSTAN ZINC PROVIDES VACCINATION VAN TO PROTECT RIGHT TO LIFE

### PREVENTION

**A**t the forefront of ensuring health, Hindustan Zinc has been taking care of its employees as well as local communities. It has been persistent in its efforts to battle COVID 19 through preventive as well as relief activities in Rajasthan. As part of relief measures, the company has provided an insulated vaccine van to the Udaipur district medical health office. This will make it easier to transport vaccine from Jaipur to Udaipur and make the distribution process more convenient and efficient.



## CELEBRATING WORLD WATER DAY - THE WATER POSITIVE WAY!

### RECYCLING

**I**n Udaipur, protecting reservoirs from sewage is a crucial issue. For the first time, Hindustan Zinc, in partnership with Municipal Corporation of Udaipur, has started building sewage treatment plant and completed it too. Developing alternative drinking water sources and protecting them was the need of the hour.



For this, Hindustan Zinc has built first Sewage Treatment Plant in Udaipur with the capacity of 20 MLD in 2014, which is the first of its kind STP in Rajasthan. Hindustan Zinc and Udaipur Smart City Ltd have signed a Memorandum of Understanding in June 2017 for building one more STP with the capacity of 40 MLD. Out of this, the work of 25 MLD STP has been completed till January 2019. After further work was commissioned, total capacity is now 60 MLD.

## HINDUSTAN ZINC PROVIDES WASTE MANAGEMENT VEHICLE FOR THE COMMUNITIES AROUND DARIBA PLANT

### WASTE DISPOSAL

To promote Swacch Bharat Mission & make the villages garbage free, waste management vehicle was provided to Mehanduriya Panchayat which is adjacent to Dariba Smelting Complex plant. The vehicle will be used for proper collection and disposal of solid & liquid waste.



The vehicle was officially inaugurated by Vedanta Group CEO - Mr. Sunil Duggal in the presence of CEO of Hindustan Zinc - Mr. Arun Misra, RDC Director - Mr. Sanjay Khator and Deputy CEO IOB - Mr. Sujal Shah and other esteemed guests.

## PROVIDING HEALTH SERVICES AT DOORSTEP THROUGH MOBILE HEALTH VAN

### HEALTH

Mobile Health Van was launched by Rajpura Dariba Complex team with an aim to provide preventive & primary healthcare services accessible to the community at their doorstep and promote health & hygiene awareness programs.

The mobile health van was inaugurated by SBU Director RDC - Mr. Sanjay Khator, Dr. Prakash Sharma - CMHO Rajsamand and HZL CSR Head - Ms. Anupam Nidhi. The health project is catering to 32 surrounding villages with the support of implementing partner, Wockhardt Foundation. Looking at the present scenario of COVID pandemic, the van will be actively engaged in spreading awareness on prevention & promotion of COVID vaccines.



## AWARENESS SESSION FOR THE COMMUNITY ON OPTIMAL UTILIZATION OF WATER

### CONSERVATION

**O**n World Water Day, awareness sessions were organized for community women from Sakroda & Gudli Panchayat by ZSD.

The team shared the importance of conservation of water and also informed rural women of the registration process to get water ATM cards. For improving drinking water quality & accessibility, Zinc Smelter Debari installed 6 community RO plants & 21 water ATMs which benefits around 16 villages.



## 2ND NCC WING ALLOTTED TO DAV SCHOOL AT ZAWAR



### EXTRA CURRICULAR

**A**midst the tough times of the Covid pandemic here comes good news that DAV HZL school, Zawar has been allotted 2nd NCC wing. School already has Scouts and Guides, NCC Air Force Wing and now it has been bestowed with NCC Army wing. It is a proud moment for entire Zawar & Hindustan Zinc.

## EXPOSURE VISIT FOR ASSISTANT ELECTRICIAN TRAINEES OF GSS GRID SUB STATION, GULABPURA

### SKILL DEVELOPMENT

**A**n exposure visit for Assistant Electrician trainee batch at skill centre at Agucha was organized at GSS grid sub station, Gulabpura. The trainees learnt about various steps involved in electricity transmission & distribution in and safety precautions taken while carrying out work.



## OXYGEN PLANT WITH 500 CYLINDERS PER DAY CAPACITY INSTALLED AT DARIBA IN A RECORD TIME OF 5 DAYS

LIFE SAVER

**A**s a law-abiding and responsible organization, Hindustan Zinc is in complete solidarity with the steps taken and efforts made by the state government and local governing bodies during these unprecedented times through various relief measures. While understanding the gravity of the situation and with a rapid increase in COVID 19 cases in the state, the company took the initiative of providing industrial oxygen supply as a substitute for oxygen to address the shortage of it in hospitals and health centres.

Hindustan Zinc has joined hands with the local body administration and health department to amplify its efforts for COVID relief. After providing liquid oxygen to the administration for treatment of COVID patients, the company has gone a step beyond and is making 500 cylinders of oxygen available per day with an oxygen bottling plant set up specifically for this purpose. In addition to the bottling plant at Dariba, the company has till date provided 101T liquid oxygen to district administration. This will play a critical role in COVID relief efforts. Additionally, the company will soon commission a bottling plant with a production of 1200 oxygen cylinders a day which will help meet the shortage of oxygen.



There has been a huge influx of patients in hospitals which created a shortage of oxygen for respiratory treatments. To further amplify these efforts and support the community, the company will help meet the demand for oxygen at hospitals in not just the areas of Rajsamand and Udaipur but also Jodhpur.







Looking at the current scenario of rising demand for oxygen, Hindustan Zinc has set up an oxygen bottling plant that would directly convert liquid oxygen into usable form in oxygen cylinders for treatment in hospitals. This has increased the efficiency of our efforts in supporting the government. Before this we had innovated clinical methods through which we provided 150T liquid oxygen in cryogenic tankers through our oxygen plant to the health administration. We are keeping a keen eye on the development of the situation and are putting in maximum efforts to support administration for COVID relief. I am very proud of my team for working non-stop and making this time efficient setup a possibility, which will save many lives.”

**Mr. Arun Misra, CEO, Hindustan Zinc**

Currently, Hindustan Zinc’s Oxygen plant has dedicated 100% of its oxygen production for the community. The Dariba Smelter Team erected the bottling plant within 5 days by working non-stop so it could produce 500 cylinders per day. Till date 101T liquid oxygen has been supplied.



Multiple hospitals across the state will be benefited by the oxygen cylinders from HZL plant to meet the demand for oxygen. The Hindustan Zinc team is continuously working to make the process more efficient for the benefit of the community under the guidance of District Collector Rajsamand - Mr. Arvind Poswal, Divisional Commissioner Excise - Dr. Jogaram, and Mr. Sahi Ram - GM DIC.

“On behalf of Rajasthan government I would like to applaud Hindustan Zinc for setting up oxygen cylinder bottling plant with a capacity of 500 cylinders in a record time of 5 days. I am grateful to Hindustan Zinc for stepping forward and extending their full support in dark times for humanity during a pandemic. I hope the company will continue to support me with the same level of enthusiasm.”

**- Mr. Arvind Poswal, District Collector, Rajsamand**



## SHOP FLOOR INNOVATION THROUGH INFINITY CONVENTION 2.0

### TECHNOLOGY

Innovation and technology is at the core of Hindustan Zinc. Reaffirming its commitment to innovation, the company celebrated the success of the shop floor innovations implemented under Focused Improvement Projects (Lean Six Sigma), Quality Circle, Kaizen and SGA.

Out of more than 4500 initiatives, top 22 initiatives were identified through various competitions across the organisation and were presented at Infinity 2.0 | CI Convention 2021 in two parallel sessions. Among them, a cross functional jury panel of HSE, HR, L&E, Finance, Digital, Mining and Smelters identified 7 best initiatives under various categories.

Hindustan Zinc's continuous improvement project cycle started with an assessment of current processes. It was ensured that safe and healthy environment, quality products and maximum output with maintaining equipment reliability and waste minimisation was achieved. Small changes and modification were made to eliminate and substitute hazards. Various types of engineering control and types of PPE's were explored by teams and implemented at site.

Apart from safety, the company is also encouraged projects related to people, hygiene and environment. Some projects were related to maintenance of environment norms and reduction in fly over losses. Each year 4-5 projects are being driven to reduce and recycle water resources. In this FY, More than 3300 Health, safety and environment projects (kaizen/SGA) have been taken up by HZL team to promote safety culture in plant premises.



## LEAD-ACID BATTERY RECYCLING LEADS THE WAY

### LEAD AWARENESS

**L**ead is the main element used in lead-acid batteries. The lead-acid battery is very mature, safe, has a medium operating cost for energy storage applications. It holds major applications in auxiliary batteries for SLI (starter, lighting, and ignition) in automotive, solar storage projects, PVC stabilizers, inverters, UPS, telecom towers, cable sheathing.

India is one of the largest consumers of Lead-acid batteries and unfortunately there is also an informal Lead recycling sector owing to a lack of awareness among scrap collectors and battery dealers. Such illegal recycling with hazardous practices not only risk the environment but also the health of the people who deal with such materials. Approximately 85% of the lead consumed in India goes for manufacturing lead-acid batteries.

An estimated 25% of the total Lead used comes from unregistered recyclers, who harm the environment immensely due to unsafe practices. At present India's consumption of lead, as per industry estimates, is put at 1.2 million tonnes of which about 225,000 comes from primary lead produced by Hindustan Zinc Ltd. Despite Lead acid batteries being the most trusted and safe energy source, the informal Lead recycling has dented the positive image.

The only way to ensure adoption of the best practices is in strengthening the implementation and strict monitoring of compliance with penal provisions. India has recently launched the National Electric Mobility Mission, by which the electrification of vehicles will be accelerated. The lead battery-powered e-rickshaws & electric two-wheelers will see rapid growth in the coming years.

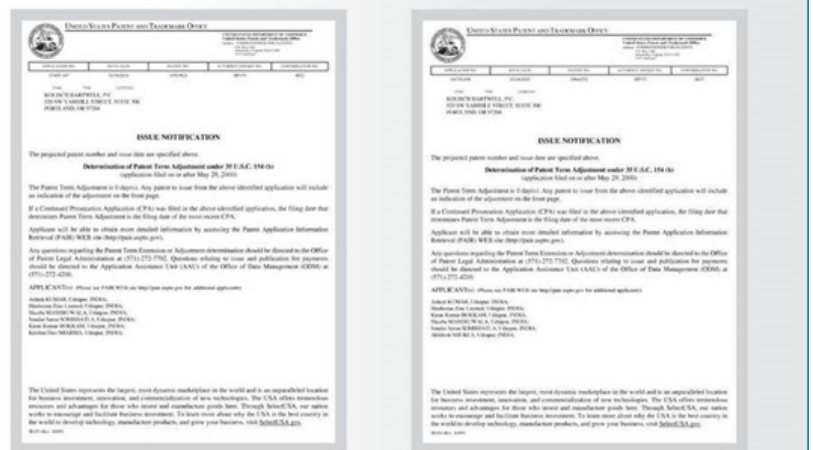


## HINDUSTAN ZINC'S IN-HOUSE INNOVATIONS GET GLOBAL RECOGNITIONS, RECEIVE GRANTS FOR US PATENTS

### ACHIEVEMENT

In a constant pursuit of innovating for a sustainable future, Hindustan Zinc has achieved a big milestone, being granted US patents for two of their sustainability technologies. The two patents - US10844551B2 for manufacturing Paver Blocks from process waste; and US10919924B2 for the method of production of Potassium Antimony Tartrate (PAT) by utilizing Antimony bearing residues - were developed in-house by HZL's state-of-the-art research and development centre - ZnTech (formerly known as Central Research and Development Laboratory). Both these technologies are aimed to create value from waste that can be utilised within HZL's operations and support local entrepreneurs and communities.

Fostering a culture of high performance and innovative thinking, employees of Hindustan Zinc always strive to create breakthrough solutions. The ZnTech team consisting of employees and ex employees - Ms Sheeba Mashruwala, Mr Kiran Rokkam, Mr Ashish Kumar, Dr K.D. Sharma, Mr Sundar Sombhatla, and Mr Akhilesh Shukla played a pivotal role in developing and patenting these breakthrough solutions.



Hearty congratulations to the team who've been pivotal in developing these patented solutions.



The method to produce PAT also has a European Patent (EP3192882) to its name. PAT is consumed by Zinc hydro smelters for purification and to produce Zinc Metal. This patented process has been successfully running at HZL since 2016. The technology for manufacturing paver blocks on the other hand, produces greener products that have a lower cost of production than conventional method while also conserving natural resources. This technology has produced 80,000 paver blocks that are laid at different HZL units as a test case. Two paver block machines are also setup in association with Self Help Groups (SHGs) to or support the community.

## HINDUSTAN ZINC BREAKING NEW GROUNDS

### PIONEERS

In a constant pursuit of inculcating inclusivity and diversity in an industry like mining, Hindustan Zinc's Sandhya Rasakatla has been appointed as India's first woman Underground Mine Manager and Yogeshwari Rane as UG Mine Development Manager. Sandhya assumed the role as Mine Manager of HZL's Zawarmala Mine while Yogeshwari is appointed Head Planning & Development for Kayad Mine.



Both Sandhya Rasakatla and Yogeshwari Rane are also the first women in Indian Mining to receive the 'First Class Mines Manager' certificate of competency in the "Unrestricted" category. The company is extremely proud and happy to take such a pioneering step in the mining industry that displays the commitment towards diversity and inclusivity.

Mining Engineers Sandhya and Yogeshwari have both been a part of HZL since 2018. Yogeshwari is the first woman to receive a 'First Class Mines Manager' certification in both 'restricted' and 'unrestricted' category. Sandhya was also the first woman in India to receive the 'Second-Class Manager's Certificate' in the unrestricted category last year.



## COMMITTED TO A SAFE AND INCLUSIVE WORKPLACE

### EQUALITY

**A**s a responsible organisation, Hindustan Zinc strives to make its workplace safe, inclusive and diverse. This commitment was nicely showcased Hindustan Zinc’s Rampura Agucha Mine, where a one-of-its-kind all women team of Night Duty Officers was deployed.

Across the company many such firsts have been initiated. Women security officers at RDC took initiative and have been performing night duty as Night duty officers since September 2020 in a buddy pair system.



## TRAINING FOR KAYAD EMPLOYEES TO ENHANCE KNOWLEDGE ON INSURANCE POLICIES



### INSURANCE

**A**one-day external training was conducted for all executive and business partners at Kayad on benefits of Insurance Policies and what at present are best life cover plans.

## HZL CARES

### QUALITY

**I**n order to improve the safety and hygiene a new food canteen was developed for truck drivers at truck parking area of Agucha Mine. Canteen was inaugurated by SBU Director Mr. Vinod Kumar. It will facilitate drivers to have their meals in a very safe and hygienic dining area. It will also reduce chances of Man & Machine interaction.



## NOMENCLATURE DRIVE IN THE GARDENS OF AGUCHA

### BEST PRACTICE

**A**dmin department at Rampura Agucha Mine has taken an initiative for the nomenclature of plants in their gardens. The objective of this initiative is to improve 5S and provide information about different type of plants.



## INAUGURATION OF WORK AT HEIGHT TRAINING FACILITY TO REINFORCE SAFETY



### PEOPLE FIRST

**S**afety of employees and business partners are at the heart of operations at Hindustan Zinc. In order to reinforce safety, Work at Height Training Facility for employees and contract workers was inaugurated at RRRT Rampura Agucha Mine by Safety Week Inspection Team & Unit Head, and all employees were encouraged to training.

## COVID WARRIOR DONATES BLOOD TWICE, SAVES LIVES

### SUPERHERO

**M**r. Gaurav Soni, an employee of Vaaman Engineers India Ltd, and a business partner at the Ore dressing department of CRDL, is a real superhero in this pandemic. He has donated blood plasma twice cross a span of 4 months to help save lives of COVID patients. Donating even 400ml of blood plasma can save two lives.



## KNOW YOUR COLLEAGUES




## CREATING A HEALTHIER ENVIRONMENT

PRADEEP SINGH

HEAD - HEALTH, SAFETY & ENVIRONMENT

**Q: What inspires you?**

**A:** Almighty, nature and its creations. I admire the most important lesson we learn from Nature i.e The harder something struggles, the stronger it becomes.

**Q: An incident that you feel was a turning point in your life**

**A:** The moment I preferred Environment Management as my core skill and turned into an Environment Professional. VC Growth Workshop 2017 was a key milestone which added new magnitude to my professional carrier.

**Q: What does innovation mean to you?**

**A:** Executing an idea to simplify complexities which in turn adds positive value to humanity.

**Q: What is the goal that you have set for yourself as Head HSE?**

**A:** To be a catalyst for transforming Hindustan Zinc as Net Zero environmental impact organization with 100% compliance. – Zero Harm, Zero Discharge & Zero Waste

**Q: What is your mantra for success?**

**A:** Dare to dream big and follow your dreams with hard work and self-belief.

**Q: A habit/culture that you would like to foster around you?**

**A:** A positive and productive environment

**Q: Which is your favorite leisure activity?**

**A:** Listening Music, Gardening, Reading, Watching television.

### THE CLICHED QUESTIONS

**Q: If you were stranded on an island what 3 things will you want with you?**

**A:** Drinking water, magnifying glass and a knife

**Q: Favorite Movie/ actor/ song**

**A:** Anand/ Aamir Khan/ Kahin Door Jab Din Dhal Jaye

**Q: Biggest fear**

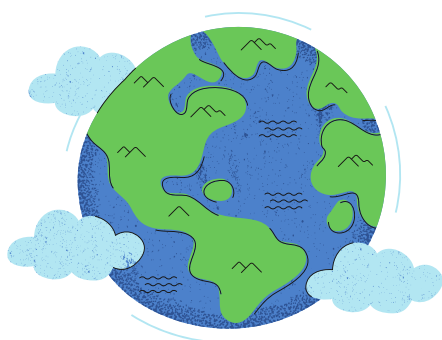
**A:** Not prepared for another fear

**Q: Favorite destination**

**A:** My native village

**Q: If you could have any superpower, what would it be?**

**A:** to eradicate poverty and make everybody happy.



**Q: A message for our readers**

**A:** We are water positive company and with the collaborative efforts from all of us we can be net positive company in all aspects of environment, whether it is emission, waste or biodiversity. I urge all the readers to put forward their efforts, share the innovative ways to Save Water, Save energy and reducing our impacts on environment.



## ARUN MISRA WINS CEO OF THE YEAR AWARD

Hindustan Zinc also bagged the 'Most Innovative Company of the Year'



### MATTER OF PRIDE

In a double swoop at the Business Leader of the Year Awards presented by World Leadership Congress and Awards, Hindustan Zinc won the 'Most Innovative Company of the Year' while their CEO - Mr Arun Misra was awarded as 'CEO of the Year'.

Being at the helm of a mining giant during a time which was unprecedented, Mr. Arun Misra guided Hindustan Zinc in quite an extraordinary way. The COVID-19 pandemic and the lockdown posed formidable challenges, but Mr. Misra steered the ship head-on by embracing change and enhanced focus on innovation, technology and digitalisation.

The 'Most Innovative Company Award' for Hindustan Zinc displays the type of culture that the organisation believes in. HZL has been at the forefront of adopting best-in-class technologies to gain and solidify a competitive edge in the mining industry, enhancing efficiencies and productivity along the way.

## NAND GHAR CONFERRED WITH BEST CORPORATE SOCIAL RESPONSIBILITY INITIATIVE BY RAJASTHAN GOVERNMENT



### APPRECIATION

Vedanta Nand Ghar, an Anil Agarwal Foundation Initiative, has been conferred the award for the Best Corporate Social Responsibility Initiative under the 'Indira Mahila Shakti Protsahan Evam Samman Yojana' by Women and Child Development Department, Jodhpur, Govt. of Rajasthan. The award was presented by CEO Inderjeet Yadav and Anjum Tahir Shamma ADM-3 at Jodhpur.

The ICDS & WCD Department Jodhpur appreciated Nand Ghar for its contribution towards the development of the community and recognized its work towards the development and upliftment of children, women, and the community in the landscape of Rajasthan, at the district level.

## QUARTERLY PAT UP 85% (YOY); HIGHEST-EVER ANNUAL SILVER PRODUCTION

### MATTER OF PRIDE

**H**industan Zinc Limited, the leading global integrated producer of zinc, lead and silver, reported its results for the fourth quarter and full year ended March 31, 2021.

### Highlights of the Year:

- Highest-ever Mined metal production: 972 kt
- Refined metal production: 930 kt
- Highest Saleable silver production: 706 MT
- Lowest-ever Zinc COP: \$954 per MT



(TO VIEW MORE CLICK ON THE IMAGE) 

## PROMOTING FITNESS AND SPORTS IN COMMUNITIES

### FUN MATCH

**H**industan Zinc limited sponsored state level Badminton tournament for year 2021. Total 1500 players and 64 teams from entire Rajasthan state participated in this event.

Notably the tournament attracted 3-4 National & international players, which was a key highlight for the general public & media.



## ZINC FOOTBALL TEAM TRAVELS TO GOA FOR FRIENDLY MATCHES

### TEAMWORK

**Z**inc Football Academy team traveled to Goa for their second exposure tour this year where they played three friendly matches against top youth sides -Dempo Sports Club, SESA Football Academy and Bhaichung Bhutia Football Schools.

Final Scores were Dempo Sports Club winning 3-0 against Zinc Football Academy, SESA Football Academy scoring 1-3 against Zinc Football Academy and Bhaichung Bhutia Football Schools tie 1-1 with Zinc Football Academy. Zinc Football striker Babar scored 2 goals while Ashish and Riyaz contributed one goal apiece.



## MAY 2021



Hindustan Zinc has adopted innovative solutions for responsible mining



**Arun Mishra, CEO, Hindustan Zinc Limited**

*"We recently signed a MoU with Epicor to introduce Battery Electric Vehicles (BEVs) in underground mining. This is the first of its kind initiative that has been taken up in India in the mining sector, says Arun Mishra, CEO, Hindustan Zinc Limited."*

functions from a remote location including, drilling, leveling, tunnelling and GPS hole navigation to increase the productivity, safety, and cost efficiency of the process.

Also, advances in the Internet of Things (IoT) technology is enabling a connected network of low-cost, highly capable sensors to capture data in real-time and enable integrated planning, control, and decision support in our mines at Hindustan Zinc.

Digital twins (digitised geological, engineering, and asset data) is an emerging technology that enables the creation of a digital model of the physical environment, constructed using geological, engineering, and asset information. This can be continuously updated with data from sensors and location-aware mobile devices enabling robust real-time data-driven decision making. Additionally, for data collection, inspection, stock control, condition, and safety monitoring, new improved unmanned drones are also being used.

Another noteworthy technological intervention that we have successfully embraced in our operations at Hindustan Zinc is the mine-to-mill process integration technology that maximises mine-to-mill metal extraction. Similarly, hydraulic ore hoisting provides a potentially cost-

**W**hat are the emerging technology trends in mining?  
Technology is the catalyst that is at the heart of making mining operations 'smart', 'sustainable' and 'safe' by leveraging digital tools and processes that make operations instrumented, interconnected, and intelligent. Some of the emerging technology trends that we are fast integrating into our mines are in the areas of automation and remote operation, real-time data capture, digital twins, drones, mine-to-mill process integration, hydraulic ore hoisting and safety innovation.

The automation and remote operation help use the mine's wireless network and allow the operator to utilize the machine



16 | **WEEKLY PICKUP** | April 2021

## Industrial wheel still turning amid second Covid wave: Hindustan Zinc CEO

In a Q&A, Arun Mishra talks about the company's focus lowering cost of production amid the ongoing pandemic and likely impact on demand

**Topics**  
Hindustan Zinc | Zinc | Coronavirus

Aditi Divekar | Mumbai  
Last Updated at April 29, 2021 20:24 IST



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Despite the second covid-19 wave striking hard across the country, industrial economic activity continues albeit at a varied pace and is certainly in a much better position now, than same period last year when India went into nationwide lockdown, says Arun Mishra, chief executive officer at Hindustan Zinc.

In a telephonic interview with Aditi Divekar, Mishra talks about the company's focus lowering cost of production amid the ongoing pandemic and likely impact on demand. Edited excerpts How do you see the impact of second Covid-19 second wave on operations and overall ...

### B2B PURCHASE

### BUSINESS STANDARD

**CEO Breakfast**

MINING INDUSTRY ROUNDTABLE

## MINING TECHNOLOGY FOR FUTURE GROWTH

The mining industry, which had its share of struggles in the past, is looking towards a bright future ahead

**Shiva Kumar**

The global economy has been showing signs of recovery after being severely hit by the pandemic. In fact, the global economic output is expected to return to the pre-pandemic levels of Q4 FY19 in the first half of the current calendar year. India is expected to grow more than 11 per cent this year and the OECD (Organisation for Economic Co-operation and Development) expects the global GDP growth to be 5.6 per cent, which is not too far away from the IMF's projection of 5.4 per cent.

One sector that has benefited immensely from this recovery is mining, which is now expecting a bright future ahead after a full period. Good tailing for the mining industry augurs well for the Indian economy. That is because mining has a disproportionate impact on the GDP – for every 1 per cent growth in mining, industrial production grows by 1.2-1.4 per cent. Moreover, one direct job in mining creates 10 indirect jobs.

One of the telltale signs of any rebound in the economy is the surging prices of commodities. The prices of all kinds of metals, including steel, iron ore, pig iron, DRI, palladium, have been going up. Apart from coking coal prices, which have reduced due to Chinese embargo of coking coal from Australia, prices for most minerals have gone up due to pent-up demand post Covid-19," says Vidyut Kattan Sharma, Managing Director of Andal Steel & Power.

Just as every other industry, technology has helped mining too in dealing with the problems caused by the pandemic. With digitalisation, everyone is connected to virtual meetings. "We took faster decisions at the senior leadership level and communicated it down to the last person within hours," says D. B. Sundara Raman, Vice President, Iron Materials, Tata Steel. "Suddenly, our system has become agile."

COVID has led people to make possible many things that were previously thought to be impossible. "Things that companies were trying to achieve for many years were successfully implemented and put in place in a matter of weeks," pointed out David Bums,

**MAJOR GLOBAL TRENDS IN MINING**

**EMBRACING DIGITALIZATION**  
Leveraging digital and technologies, including advanced analytics to enable real-time monitoring, building new competencies and provide massive boost to productivity

**ENVIRONMENTAL FRIENDLY AND SUSTAINABLE**  
Shifting preference to develop and operate mining assets for diversity risks and ensuring environmental value. Stand of joint ventures across the chain

**STEEL REDUCING CARBON FOOTPRINT**  
Transition to a low carbon economy to comply with ESG norms. Mining companies may be the first to move towards hydrogen economy

**EMPOWERING FORCE IN MINING AND SAFETY**  
Health and safety empowered by new technologies and data analytics to ensure safe working conditions, zero fatalities

**ENHANCING SUPPLY CHAIN EFFICIENCY**  
Optimise and adjust supply chain and operations in response to changing conditions

is, CEO & Whole Time Director, Hindustan Zinc. "More mining capacity should not come with more machines, it should come from increase in availability, utilisation and efficiency which is enabled through Digital. Mining operations will become more automated in the future through Robotics," he added.

Companies are also moving towards a new era with digital/tech initiatives to improve supply chain and logistics efficiencies and minimise losses. But logistics continues to be a major bottleneck for the industry and remains a concern. That is because everyone is increasing production. "Almost 10-12 million tonnes of steel is being produced every month, that means India will touch 120 million tonnes of steel annually. All that will mean nothing if the overall ecosystem, especially logistics, is not geared up to make it happen," said Ramam.

To sustain mining operations successfully, it is important to engage the community around. "Transparent communication can help address the negative perceptions about mining and help garner the support of communities. If the government makes the information public, it will assuage a lot of anxiety among people and change their perception about mining, the panel echoed. "There is an imperative on social responsibility. Mining cannot be an island, it has to work in the ecosystem of communities and the right to operate comes also from how you take that responsibility," said Vinod Kumar, Managing Director and Lead – Chemicals and Natural Resources, Accenture in India.

The panel felt that opening up the mining sector could help unlock new opportunities. "India has vast mineral reserves and is a mineral giant but a mining pigmy. The government should take steps to liberalise mining and enhance our production output," said Anbar Timbla, Managing Director, Fomento Resources. He, however, welcomed the Centre's proposal to do away with the categorisation of captive and non-captive mines.

Going forward, the sector is hopeful that some of the recent reforms like the amendment to MMOR Act and initiatives under 'mineral bharat' will help spur growth.

**As soon as the lockdowns were lifted, people started coming out and there was pent up demand. It will take at least two years for the world's commodity markets, especially steel, to normalise**

**NIYTA KATKAN CHAKRA**  
MD, India Steel & Power

**Over the past three years, there has been a consolidation of response for the industry in Gen. There's no competitiveness, and more cooperation. All the stakeholders have come together as a community to solve these problems**

**ANBAR TIMBLA**  
MD, Fomento Resources

**India has so much of coal reserves, why should we import at all? And why should we import 100 million tonnes of thermal coal? That's because of logistics**

**D. B. SUNDARA RAMAN**  
Vice President, Raw Material Tata Steel

**Application of technology in these times has been more prominent than ever before. But as the pandemic has also shown us, it's not just about technology as a standalone component, it's about human resilience – what we have seen in these times is how people, companies, communities have got together to make things happen, using technology as an enabler.**

**VINOD KUMAR**, Managing Director and Lead – Chemicals and Natural Resources, Accenture in India

## CEO BREAKFAST

(TO VIEW MORE CLICK ON THE IMAGE)



## MAY 2021

**EARNINGS ET NOW SURGE IN ZINC PRICES TO LAST?**

**HINDUSTAN ZINC Q4, YoY**

Revenue (₹ Cr)	PAT (₹ Cr)
6,947	2,481
▲ 58%	▲ 85%
4,391	1339

**ET NOW**

ET NOW

**HIND ZINC REVENUE BEAT**

**HINDUSTAN ZINC**

PROFIT AFTER TAX (₹ CR) 2,481

85% ▲

Q4FY21 (₹ Cr) 1,339

**COVID IN INDIA**

1,45,56,209 Cured; 1,97,894 Dead

As of Apr 27, 8 AM IST

**Global Demand For Metals Has Gone Up On Account Of Push On Infra**

**CNBC-TV18**

CNBC TV18

**Q4 EARNINGS Hind Zinc**

- आय ₹4321 Cr से बढ़कर ₹6725 Cr (YoY)
- मुनाफा ₹1339 Cr से बढ़कर ₹2481 Cr (YoY)
- EBITDA ₹1965 Cr से बढ़कर ₹3875 Cr

**CNBC AWAAZ**

CNBC AWAAZ

## Hindustan Zinc net up 85% to ₹2,481 cr

ADITI DIVEKAR  
Mumbai, 27 April

Hindustan Zinc reported a net profit of ₹2,481 crore in the March quarter, up 85 percent from same period last year on the back of increased revenue. The top line stood at ₹6,725 crore in the period under review, up 56 per cent from same period last year led 45 per cent up year-on-year sales of zinc, 44 per cent higher sales from lead and 125 per cent jump from silver revenue. Zinc volumes rose 15 per cent year-on-year, while lead volumes rose 29 per cent YoY, said the firm in its release.

Earnings before interest, taxes, depreciation and amortisation (Ebitda) jumped 98 per cent in the quarter to ₹3,875 crore. "Our firm's focus on operating efficiencies has led to cost optimisation and improved profitability. We delivered the highest ever quarterly Ebitda, which nearly doubled from the same quarter last year. We have achieved lowest ever annual dollar cost of production since the transition to underground mining operations," Vinaya Jain, senior vice president and head finance at Hindustan Zinc was quoted as saying.

BUSINESS STANDARD

## Hindustan Zinc Q4 profit rises 85 pc to Rs 2,481 cr

New Delhi, Apr 27 (PTI) Vedanta group firm Hindustan Zinc on Tuesday reported 85.2 per cent rise in net profit at Rs 2,481 crore for the quarter ended March 31, 2021 on the back of higher income. The company had posted a net profit of Rs 1,339 crore in the year-ago period, Hindustan Zinc said in a filing to BSE. The income increased to Rs 7,242 crore in the quarter under review over Rs 4,861 crore in the year-ago period, the filing said. Net profit for the quarter was Rs 2,481 crore, up 85 per cent Yo-Y and 13 per cent sequentially, driven by recovery in metal prices and strict cost discipline, the company said in a statement. Company's CEO Arun Mishra said, "We are conscious of the fact that the country is going through COVID pandemic the scale of which has not been seen before. We are doing whatever we can including supplying liquid oxygen from our smelters to hospitals in and around Udaipur. I am also happy to inform we exited the year at run-rate of 1.2 MTPA." Vinaya Jain, Senior VP and Head Finance said the company achieved lowest ever annual dollar cost production since the transition to underground mining operations. He further said the company will continue its endeavour to improve business efficiencies and reduce costs through enhanced use of technology, digitalisation efforts, data-driven decision making and most importantly, investment in people capabilities to sustainably generate industry leading returns and create long term value for all stakeholders. The company said its mine metal production for the quarter was up 15 per cent year-on-year to 2,88,000 tonne on account of higher ore production, partly offset by lower overall grade. Integrated metal production was 2,56,000 tonne for the quarter, up 16 per cent year-on-year. The company further said project capex for the year is expected to be approximately USD

PTI

**ET THE ECONOMIC TIMES**

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### METALS & MINING

## The demand for silver will go further up, says Hindustan Zinc's CEO Arun Misra



### Synopsis

"Silver prices will be boosted by the current US administration's focus on the green new deal and renewable energy, industrial consumption of silver is bound to grow world over which should support the prices we're witnessing," says Misra.

By ET Now

Last Updated: Apr 28, 2021, 03:38 PM IST

In an interview with **ET Now**, **Arun Misra**, CEO of **Hindustan Zinc**, talks of the impact of the second COVID-19 wave on forecasts, the zinc business' future outlook, **silver prices** and grade issues.

**The surge in zinc prices, plus higher volumes have led to a huge increase in financials, foremost on pricing. Zinc is above \$2700 a tonne and silver at \$24, do you think these prices are sustainable, what is the future outlook?**

ECONOMIC TIMES

(TO VIEW MORE CLICK ON THE IMAGE)

**MAY 2021**



**Outlook**

THE NEWS SCROLL

30 APRIL 2021 Last Updated at 7:44 PM | SOURCE: PTI

**Hindustan Zinc sets up oxygen bottling plant in Rajasthan**



New Delhi, Apr 30 (PTI) Vedanta Group firm Hindustan Zinc on Friday said it has set up an oxygen bottling plant at the Rajsamand district of Rajasthan which is producing 500 cylinders of life-saving gas per day.

The announcement comes at a time when the country is facing shortage of oxygen amid surge in COVID-19 cases.

Additionally, the company will soon commission a bottling plant with a production of 1,200 oxygen cylinders a day which will help meet the crunch of life saving gas, the company said in a statement.

"After providing liquid oxygen to the administration for treatment of COVID-19 patients, the company has gone a step beyond and is making 500 cylinders of oxygen available per day with an oxygen bottling plant set up specifically for this purpose," the statement said.

With a rapid increase in COVID-19 cases in Rajasthan, the company took the initiative of providing industrial oxygen supply to address the shortage of it in hospitals and health centres, it said.

**OUTLOOK**

**हिन्दुस्तान जिंक ने नियुक्त की पहली महिला अण्डरग्राउण्ड माइन मैनेजर**

एजेंसी, नवज्योति/नई दिल्ली। बात सुरक्षा, डिजिटलाइजेशन या कर्मचारियों के प्रयासों की हो

क्लास माइन मैनेजरस प्रमाणित है। संघ्या के साथ ही योगेश्वरी राणे फर्स्ट क्लास मैनेजरस से प्रमाणीत होने के उपरान्त अजमेर जिले में स्थित कायडमाइंस की हेड प्लानिंग और ऑपरेशंस के पद पर अपनी सेवाएं देगी। हिन्दुस्तान जिंक के मुख्य कार्यकारी अधिकारी अरुण मिश्रा ने कहा कि खनन में महिलाओं को अनुमति देना एक क्रांतिकारी निर्णय है। सामाजिक परिवर्तन लाने के लिए यह हिन्दुस्तान जिंक और महिला खनन इंजीनियरों के लिए एक अवसर है। हमने इसे अपनाया है और हमारे खनन कार्यों में हमारी महिला इंजीनियरों के लिए समान अवसर दिया है। मुझे यकीन है कि संघ्या और योगेश्वरी की नियुक्ति उन सभी युवा महिलाओं के लिए प्रेरणा होगी जो खनन इंजीनियर के रूप में आगे बढ़ना चाहती हैं। यह खनन उद्योग में आगे आने वाली महिला नेतृत्व के लिए पहला कदम है।



हिन्दुस्तान जिंक द्वारा हमेशा नवीनतम तकनीक और नवाचार से खनन उद्योग में नए आयाम हासिल की परंपरा है। हिन्दुस्तान जिंक में कार्यरत संघ्या रासकतला को अतिप्रतिबंधीत श्रेणी में देश की पहली महिला खान प्रबंधक बनाया है। हिन्दुस्तान जिंक भारत की पहली कंपनी है जिसे महिला अंडरग्राउण्ड माइन मैनेजर नियुक्त करने का गौरव मिला है। संघ्या फर्स्ट क्लास मैनेजरस सर्टिफिकेट के बाद उदयपुर जिले में स्थित जावरमाला माइंस में माइन मैनेजर के रूप में कार्य करेंगी। संघ्या ने वर्ष 2018 में ग्रेजुएट इंजीनियर ट्रेनी के रूप में शुरुआत की थी। खनन जैसे उद्योग में समावेश और विविधता के फलस्वरूप भूमिगत खदान में खनन परिचालन प्रबंधन के लिए हिन्दुस्तान जिंक की संघ्या रासकतला और योगेश्वरी राणे भारतीय खनन में फर्स्ट

**DAINIK BHASKAR**



## MAY 2021



**MINISTER OF COAL, MINES & PARLIAMENTARY AFFAIRS, GOI RETWEETING HZL'S #WOMENINMINING**

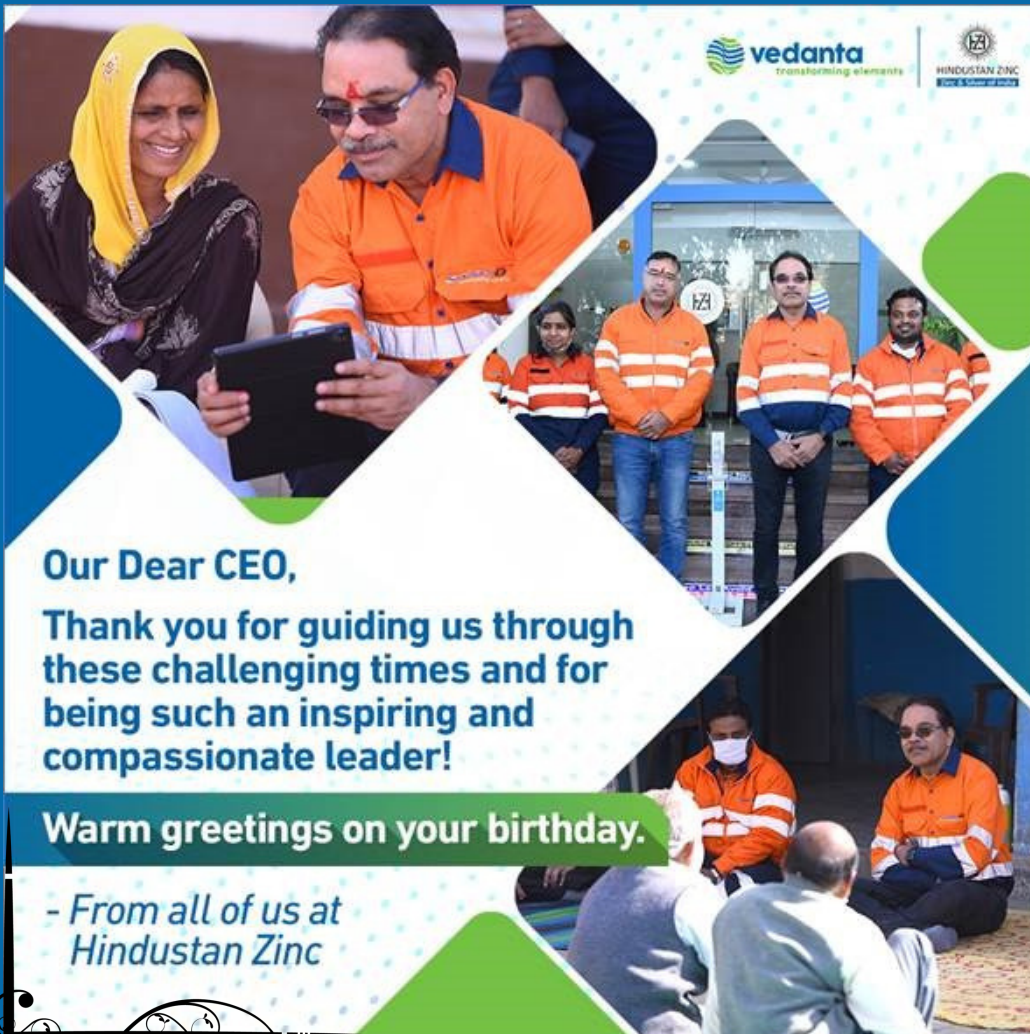


**MINISTER OF WOMEN & CHILD DEVELOPMENT AND TEXTILES, GOI RETWEETING HZL'S #WOMENINMINING**



**TWEET BY TAPI DM & COLLECTOR APPRECIATING EFFORTS BY HZL IN HEALTH DOMAIN**

**(TO VIEW MORE CLICK ON THE IMAGE)**



*In times where the situations around us are tough, let us not forget some occasions and small moments of our colleagues and loved ones that bring some cheer and smile on our faces.*

*Join us in sending warm greetings to the person who has been guiding our Hindustan Zinc family through such turbulent times with utmost grace and compassion!*



## QUIZ TIME

PARTICIPATE TO WIN EXCITING PRIZES!

[Click Here](#)

Dear Employees,  
Hope you enjoyed reading the May 2021 edition of Zinc News.

Now it is time for some quiz around it.

The correct answers will automatically enter a lucky draw and 3 winners will each get an exciting prize!

## WINNERS OF LAST MONTH'S ZINC NEWS QUIZ



**KAILASH CHOUBISA, CHANDERIYA**

**JITENDRA GARULE, JHARSUGUDA**

**MADAN SINGH CHOUHAN, CHANDERIYA**

**Congratulations! We will contact you soon regarding your prizes!**

### FROM THE EDITOR'S DESK

Dear Readers,

As we face the second wave of COVID-19, we must be better equipped and put our best foot forward. Not just in terms of resources, but also in terms of our empathy, care and humanity. Together let us fight COVID and support and comfort those in need around us.

Our colleagues have been tirelessly working to ensure oxygen supply and all other support measures needed at this crucial time. We at Corporate communication continue to spread the message across to people to strengthen trust, comfort and confidence that Hindustan Zinc is with them in these trying times.

I hope all of you are taking care of yourselves. Have faith that we will get through this together.

Sharing a few tips on positive mental health to help you get through the pandemic:

- Make sure you connect with at least a few friends and family members on a regular basis.
- Identify a relaxing hobby to channelize your emotions and stress.
- Ensure to eat a balanced diet.
- Keep a conscious check on your mental health at all times.
- Practice empathy and be kind, everyone is fighting their own battles
- And most of all, remember that "this too shall pass".

Stay strong and stay safe!

Regards,  
Dipti Agrawal,  
Head - Corporate Communication

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