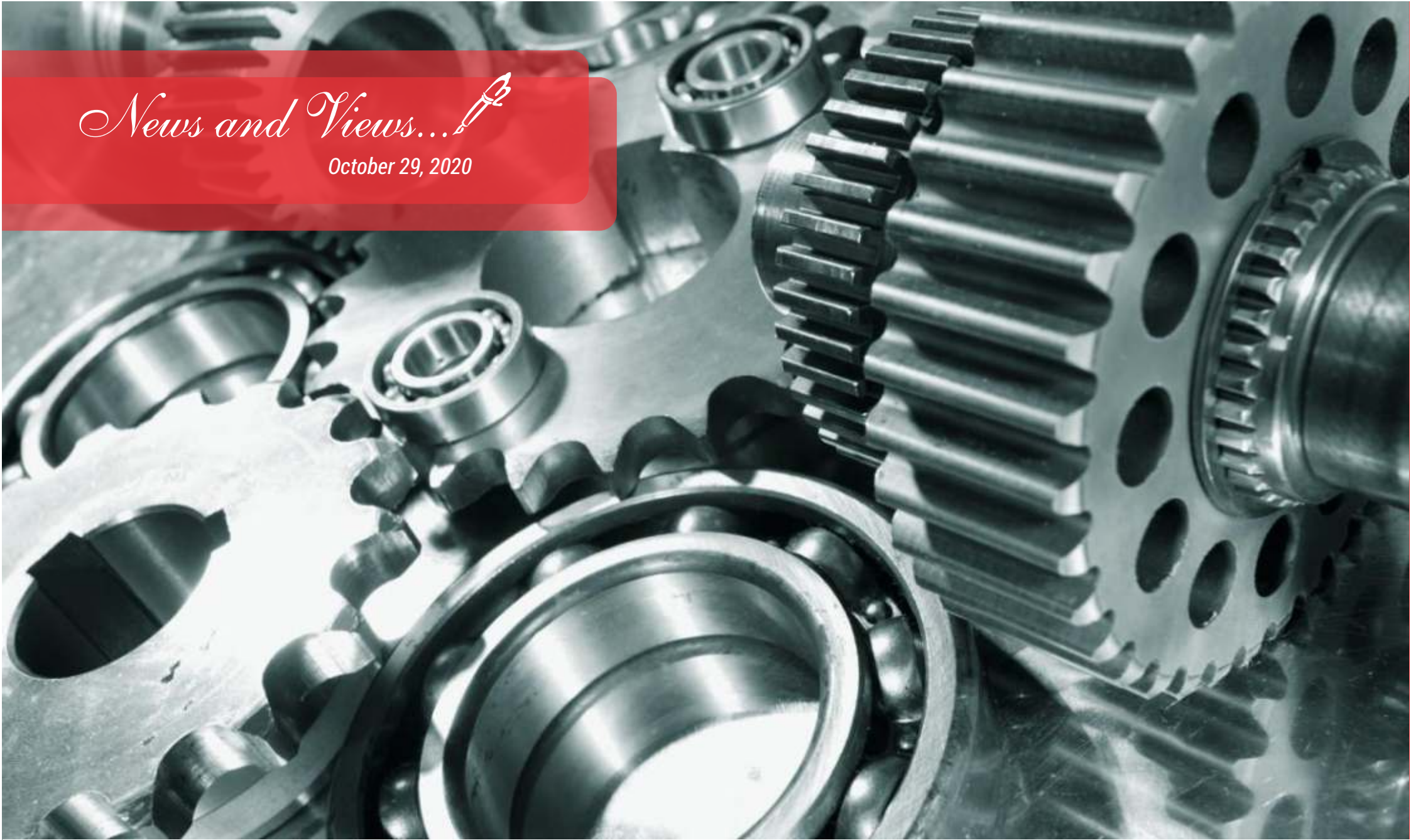


News and Views...

October 29, 2020



GRAND BUSINESS CARNIVAL FOR METAL, MACHINERY AND MANUFACTURING INDUSTRIES



3-5 September 2021
Bombay Exhibition Centre, Mumbai, India

INDEX

	INDUSTRY NEWS.....	3 - 7
	INDUSTRY UPDATES.....	8 - 14
	NEW TECHNOLOGIES.....	15 - 16
	PARTNERSHIP OPPORTUNITIES.....	17
	INDUSTRY SPEAK.....	18
	MEDIA SPEAK.....	19 - 24
	CSR ACTIVITIES.....	25
	GRAND BUSINESS CARNIVAL FOR METAL MACHINERY & MANUFACTURING INDUSTRY.....	26
	SOME LEADING COMPANIES AT THE EVENT.....	27 - 29

INDUSTRY NEWS



India Covid-19 numbers explained: National numbers dip further even as global numbers go up

India coronavirus cases: The current numbers in the country are almost half of the peak that was achieved in the third week of September and declining steadily. And the profile of main contributing states has also changed.

While many countries in the West have been reporting record numbers of new coronavirus infections in the last few days, the cases have continued to decline in India. On Saturday, about 50,000 new infections were detected in the country, the lowest

since July 28, barring the big dip this past Monday.

For the 22nd consecutive day, more people recovered from the disease than fell ill, a trend that has resulted in a significant decline in active cases in the country. As on Saturday, there were just about 6.68 lakh active cases, down from over ten lakh a month ago.

The decline in India has gone against the global trend of rising numbers in most of the disease hotspots. The United States, for example, has been reporting more than 60,000 cases a day, a level not reached since early August. France has reported more than 40,000 cases for the last two days, according to the World Health Organization database. Record levels are being reached in Italy, Spain, United Kingdom as well.

In India, current numbers are almost half of the peak that was achieved in the third week of September and declining steadily. And the profile of main contributing states has also changed. On Saturday, Kerala once again emerged as the single largest contributor of new cases. This is for the first time that any state other than Maharashtra has been the biggest contributor of cases for two consecutive days.

Kerala reported more than 8,200 new cases on Saturday, while Maharashtra found only about 6,400, the second lowest in about three months. At one point of time, Maharashtra used to be not just the largest contributor, but also account for almost 40 per cent of the cases reported across India. That daily share has gone down below 15 per cent now.

Delhi and West Bengal have been the other big contributors in the last few days. Delhi is

witnessing the third wave of surge, and for the last two days, it has reported more than 4,000 cases. West Bengal has now reported more than 4,000 cases for the last five days. The recent surge in the state is being attributed to the Durga Puja festivities.

Across most other states, the numbers are declining steadily. This now includes Karnataka, which till last week, was reporting numbers similar to Kerala, or even higher. In the last week, however, Karnataka has slowed down considerably, and its daily numbers have fallen below 5,000. On Saturday, the state reported less than 4,500 cases, the lowest since August 10.

Similar has been the trend in Andhra Pradesh and Tamil Nadu. Their daily cases have dropped to about 3,000 a day. Andhra Pradesh, Karnataka and Tamil Nadu have the highest number of cases in the country after Maharashtra.

In Chhattisgarh, the daily new cases have come down from the peaks witnessed in September, but the state has been reporting large number of deaths in the last few weeks. It is one of the very few states to see a rise in its case fatality ratio, that has gone past one per cent now. For the last three days, more than 50 coronavirus related deaths have been reported from the state. The total death count is touching 1,800.

With Saturday's additions, more than 78.64 lakh people in India have been infected with the virus so far, out of which 70.78 lakh, or 90 per cent, have recovered. The death count has reached more than 1.18 lakh now.



Covid-19: India's recovery rate touches 90% as active cases continue to fall

India's COVID-19 tally climbed to 7,8,64,811 with 50,129 fresh cases in a day, while 70,78,123 people have so far recuperated pushing the national recovery rate to 90.00% on Sunday, the Union health ministry said.

The total number of coronavirus cases mounted to 7,8,64,811 and the death toll to 1,18,534, with the novel coronavirus virus claiming 578 lives in a span of 24 hours in the country, the ministry data on Sunday showed.

The COVID-19 case fatality rate has further declined to 1.51%.

There are 6,68,154 active cases of coronavirus infection in the country which comprises 8.50% of the total caseload, the ministry data said.

According to ICMR, a total 10,25,23,469 samples tested for covid-19 up to 24 October. Of these, 11,40,905 samples were tested yesterday.

The country's infection tally had crossed the 20 lakh-mark on August 7, 30 lakh on August 23 and 40 lakh on September 5. It went past the 50 lakh-mark on September 16, 60 lakh on September 28 and crossed 70 lakh on October 11.

Kerala on Saturday reported 8,253 new COVID-19 cases, taking the total infection count to 3,73,148, while

25 fatalities pushed the toll to 1,306.

Out of the new cases today, 7,084 people contracted the virus through contacts, 163 came from outside the state, while the source of infection of 939 patients was not known, Health Minister K K Shailaja said in a release.

Maharashtra's COVID-19 tally on Saturday increased to 16,38,961 with 6,417 new cases, said a state health official.

The state also reported 137 deaths, taking the death toll to 43,152, he said.

The coronavirus tally in Wst Bengal rose to 3,45,574 after 4,148 people tested positive for the disease, while 59 fresh fatalities pushed the death toll to 6,427, it said. Delhi on Saturday recorded 4,116 fresh COVID-19 cases, the highest single-day spike in 35 days, while the death toll from the disease mounted to 6,225, according to a Delhi government bulletin. -

LiveMint

Indian economy on verge of slow recovery as worst is over: PHDCCI

Industry body PHDCCI expects India's GDP to contract by 7.9 per cent in the current financial year and grow by 7.7 per cent in 2021-22, assessing that the worst is over and the economy is on the verge of a slow recovery. The chamber, however, stated that unemployment remains a key challenge to be addressed by the government.

The PHDCCI drew the conclusions based on its analysis of 25 high-frequency economic indicators which point out that there has been a pickup in business normalization. However, the unemployment rate still remains a worry as it worsened to 8.3 per cent in August from 7.4 per cent in July, it said in a report.

"Going ahead, India should focus on moving away from

imports from China, divert trade towards friendly economies, build domestic capacities and significantly scale-up indigenous production with a thrust to become self-reliant," PHD Chamber of Commerce and Industry (PHDCCI) said.

It said also that efforts should be made to diversify the portfolio of export products in terms of more countries and also in terms of more products, where India has a core competence.

PHDCCI President Sanjay Aggarwal said on the back of various reforms undertaken by the government during the last six months, economic recovery has become visible in the high-frequency indicators.

"At this juncture, on the basis of PHDCCI Economic and Business Momentum (EBM) Index, we estimate that the GDP growth will be at around (-) 7.9 per cent for the current financial year 2020-21 and 7.7 per cent for the next financial year 2021-22," Aggarwal told.

The chamber suggests that the government should prioritize demand creation measures to attain a positive growth trajectory in the third and fourth quarters of the current financial year ending March 2021.

"Demand creation will have a significant effect on the enhanced production sentiments of producers, increased investments and employment creation. Investments in the infrastructure will refuel the growth trajectory with increased demand for commodities such as steel, cement and power which in turn will rejuvenate private investments and create new employment opportunities in the country," said Aggarwal.

The chamber observed that while several sectors of the economy will continue to have the after-effects of the pandemic, recent economic data shows that the worst is over and India is on the verge of a slow recovery.

'Some good news': Serum CEO on trials suggesting Oxford vaccine works for all ages

Serum Institute of India CEO Adar Poonawalla on Monday expressed "some preliminary good news" on efficacy of the early covid vaccines, particularly the Oxford vaccine candidate developed by the University of Oxford with AstraZeneca Plc after a Bloomberg article published that the Oxford covid vaccine "has produced a robust immune response in older adults and the elderly, those at highest risk of severe illness."

"A lot of people were wondering and asking the question, will these early vaccines be effective for the elderly and most vulnerable, here is some preliminary good news," tweeted Poonawalla while sharing the Bloomberg article.

British drug maker AstraZeneca Plc on Monday said that its vaccine produces an immune response in both young and old adults, raising hopes of a path out of the gloom and economic destruction wrought by the novel coronavirus.

The experimental vaccine developed in collaboration with Oxford University also triggers lower adverse responses among the elderly, AstraZeneca Plc, added.

A vaccine that works is seen as a game-changer in the battle against the novel coronavirus, which has killed more than 1.15 million people, shuttered swathes of the global economy and turned normal life upside down for billions of people.

"It is encouraging to see immunogenicity responses were similar between older and younger adults and that reactogenicity was lower in older adults, where

the COVID-19 disease severity is higher," an AstraZeneca spokesman said, reported Reuters.

"The results further build the body of evidence for the safety and immunogenicity of AZD1222," the spokesman said, referring to the technical name of the vaccine.

The Oxford/AstraZeneca vaccine is expected to be one of the first from big pharma to secure regulatory approval, along with Pfizer and BioNTech's candidate, as the world tries to plot a path out of the COVID-19 pandemic.

The news that older people get an immune response from the vaccine is positive because the immune system weakens with age and older people are those most at risk of dying from the virus.

If it works, a vaccine would allow the world to return to some measure of normality after the tumult of the pandemic.

British Health Secretary Matt Hancock said a vaccine was not yet ready but he was preparing logistics for a possible roll out mostly in the first half of 2021.

Asked if some people could receive a vaccine this year he told the BBC: "I don't rule that out but that is not my central expectation."

"The programme is progressing well, (but) we're not there yet," Hancock said.

Work began on the Oxford vaccine in January. Called AZD1222 or ChAdOx1 nCoV-19, the viral vector vaccine is made from a weakened version of a common cold virus that causes infections in chimpanzees.

Staff at a London hospital trust have been told to be ready to receive the first batches of the

Oxford/AstraZeneca vaccine, The Sun newspaper reported on Monday.

Meanwhile, vaccine development in India is also showing progress. India may get a COVID-19 vaccine by March, 2021, revealed Dr Suresh Jadhav, executive director, Serum Institute of India. "India may get COVID-19 vaccine by March 2021 provided the regulators signal with the processes fast as multiple manufacturers are working on it," Dr Jadhav said at the India Vaccine Accessibility e-Summit organised by HEAL Foundation in association with ICCIDD.

Dubbed as AZD1222 or ChAdOx1 nCoV-19, the vaccine is a recombinant viral vector vaccine. It uses a weakened version of a chimpanzee common cold virus that encodes instructions for making proteins from the novel coronavirus to generate an immune response and prevent infection. The vaccine is likely to provide protection for about a year, AstraZeneca CEO Pascal Soriot said in June. According to a report published in the British medical journal, The Lancet, the COVID-19 vaccine produced a dual immune response in people aged 18 to 55.

- Mint





PM Modi Says Covid-19 Fatality in India is 83 Per Million Population Compared To US, Brazil, Spain | A Look at Overall Figure

While addressing the nation for the seventh time ever since nationwide lockdown was announced due to Covid-19 outbreak, Prime Minister Narendra Modi on Tuesday warned the countrymen that lockdown may have ended, but the virus is still out there and urged people not to be complacent and drop their guard in the fight against Covid-19. Beginning with his speech, PM Modi emphasized that India is doing better than many developed countries in the fight against coronavirus. He said the fatality rate in India is 83 out of every 10 lakh people, whereas it is more than 600 in countries like the US, Brazil, Spain and Britain.

"The fatality rate in India is 83 out of every 10 Lakh population in India, whereas it is more than 600 in countries like the US, Brazil, Spain, Britain", said PM Modi while addressing the nation on Tuesday ahead of the festive season coming. He even warned the citizens not to take the virus lightly by pulling off his slogan "Jab tak dawai nahi, tab

tak dhilayi nahi". He urged the citizens to take precautions to curb the spread of the virus.

The first case of Covid-19 originated in the Hubei district of Wuhan Province of China. While India reported its first case on 30 January, originated from China. Since then the cases have only seen surge, even when the government imposed complete lockdown.

Currently, more than 40.4 million cases of Coronavirus disease have been reported worldwide. Out of which more than 27.7 million people have recovered while the death toll stands at 1.12 million. The average recovery rate across the globe stands at 68.56 per cent, while the fatality ratio is of 2.79 per cent. In worldwide tally of Covid-19 cases, India stands second with 7.6 million total cases, with more than 6.73 million recovered and around 1.15 lakh deaths. When compared with other countries like America stands first in the tally with 8.26 million cases, 5.5 million recoveries and around 2.25 lakh deaths.

For one million population in the US, 25,239 cases were reported followed by 673 deaths along with a recovery rate of 64.3 per cent and fatality rate of 2.7 per cent. While for India, the country reported just 80 fatalities. Likewise Brazil's fatality rate stands at 748 per million and an average recovery rate of the country is 89.1 per cent.

Meanwhile, Russia record stands at 10,000 cases 7,538 recoveries and around 172 deaths cases per million. With a recovery rate of 75.38 per cent and fatality ratio of

1.72 per cent. Even in Spain, that once topped the coronavirus tally earlier this year, out of 1 million people, the country reports 19,666 cases, 3035 recoveries and 686 deaths. Recovery rate of Spain stands at 15.4 per cent and fatality at 3.4 per cent. Even though India ranks second in terms of transmission of the deadly virus, the country reports as low as 80 fatalities per million comparing with the other countries like America, Brazil and Russia. With such minimal fatality rate, experts believe that India can very soon win the fight against Covid-19 or at least be the least affected nation in terms of overall death due to the contagion.

– ABP Live



India's new visa rules: Who is allowed and who is not in 10 points

Even as India continues to battle the novel coronavirus pandemic, the country, on Thursday, decided to reopen its borders to international visitors in a big move to revive economic growth.

As the country eased visa and travel restrictions imposed due to Covid-19, the Union Home Ministry said that Overseas Citizen of India (OCI) card holders and foreign nationals can visit India for any purpose, except on tourist and electronic visas.

The Home Ministry said: "The government has decided to make a graded relaxation in visa and travel restrictions for more categories of foreign nationals and Indian nationals who wish to enter or leave India."

Having said that, here are 10 points that will help you understand the new visa norms better:

1) "In view of the situation arising out of the coronavirus pandemic, the Government of India had taken a series of steps to curtail the inward and outward movement of international passengers since February, 2020," the government order said.

2) Indians, as well as those who hold OCI cards as well as People of Indian Origin (PIO) card holders will be able to enter the nation through authorised airports and seaport immigration check posts.

3) All existing visas, barring electronic, tourist and medical ones, will be restored with immediate effect, the government said.

4) The categories of visas using which people can now enter India include business, conferences, employment, studies, research, and medical purposes, the Modi government said.

5) Anyone who is holding expired visas can apply again and foreigners wishing to visit for business, conferences, work, study, research or medical reasons will be allowed to apply, the government order said.

6) Today's decision is seen as part of a series of measures aimed at supporting others already taken to get air travel back on track to spur economic growth after a stringent lockdown earlier in March that brought economic activity to a standstill.

7) In a statement, the Ministry of Home Affairs said: "While regular scheduled commercial flights remain off limits for the time being, overseas travellers can use other options, including flights under a government repatriation program, so-called air-bubble agreements, and private charters."

8) In addition to India's air-bubble scheme, ships will also be allowed. However, all travellers will have to "strictly adhere" to the guidelines on quarantine and other coronavirus protocols.

9) "All such travelers will, however have to strictly adhere to the guidelines of the Ministry of Health and Family Welfare regarding quarantine and other health/covid-19 matters," the order said.

10) Meanwhile, India also has extended a government repatriation programme to allow private carriers, including InterGlobe Aviation's IndiGo and SpiceJet to operate such planes with special permission. The nation has also struck air-bubble agreements with 18 countries, including the U.S., U.K., Bangladesh, Germany, Ukraine, Afghanistan, Canada, and others.

The Centre had restricted air travel, both inward and outward, since February, 2020, due to the Covid-19 pandemic.

Scheduled international passenger flights have been suspended in India since 23 March.

After almost two months of suspension to combat the deadly virus outbreak, the Centre resumed scheduled domestic passenger flights on 25 May.



Hyve India Pvt Ltd has come up with a weekly e news alert program - 'Market News & Views'

This program will cover Industry Updates, Launch of New Technologies, Partnership Opportunities, Industry Views & CSR activities. The purpose of this program is to keep customers up to date with developments in the Industry.

INDUSTRY UPDATES



Ore shortage hits Indian steel companies, industry bodies seek ban on exports

The Indian steel sector is facing an acute shortage of iron ore, a significant raw material in the steelmaking process, due to lease ownership changes at home and a rise in exports - especially to China.

The Indian Steel Association, representing both secondary and primary steelmakers, has joined other trade groups in seeking the intervention of the commerce ministry and the PMO.

"We would like to bring to your notice that the Indian steel industry is facing an unprecedented shortage of iron ore availability. Production of iron ore across major producing states in the country has been recording a steady drop," ISA's secretary general Bhaskar Chatterjee said in a recent letter.

"India's iron ore production in April to July 2020 witnessed a de-growth of around 50% from last year...It is important to ban the export of iron ore for the survival of secondary steel producers," said the All India Induction Furnaces Association in a letter addressed to the PMO.

As per ISA's letter, during the same period, exports of iron ore have witnessed a sharp rise of 63%.

"Iron ore exports have reached new highs in the last two months on the back of strong demand from China. In FY20, India's iron ore exports rose to 37.69 million tonne from 16.15 million tonne in 2018-19, a jump of nearly 133 per cent," the letter said.

Speaking to ET, Chatterjee said: "We are concerned that iron ore of India serves China's purpose before it serves our economy, that's what will hurt us beyond anything," he said.

"Last year alone, India exported 37 million tonnes of iron ore, 133% higher yoy, and around 82% of the total exports went into

China," industry association AIIFA in its letter. As per a report by Edelweiss, iron ore imports in China rose 9% YoY to 109mt in September and iron ore inventory at ports has progressively increased to 124mt by September-end compared to 105-110mt in July.

As per India Ratings and Research, the lower production levels have contributed toward higher iron ore prices, which are at Rs 3,250/tonne up by Rs 300 on quarter.

"This phase where iron ore prices have increased is expected to exist until the supply from Brazil is streamlined and the auctioned mines in Odisha operationalize. Looking at the existing situation, both are expected to continue at least until the third quarter of FY21," said an executive at a top iron ore producing company.

"We envisage the prices to stabilize in the 4th quarter of FY21 and initial quarters of FY22," the person quoted above added.

Iron ore production in April-September 2020 was recorded at 47 million tonne, which is a sharp de-growth of 50% over the same period last year. Adding to this, state-owned iron ore producer, NMDC has recorded a 9% fall in ore production in the April to September period to 12.24 MT compared to the corresponding period last year.

While industry bodies have requested a quick intervention by banning exports and bringing in policy changes, ISA's Chatterjee said that the situation is short-term and only needs a temporary fix.

- The Economic Times

DMG MORI Plans Green Manufacturing and Goes Climate-Neutral

DMG MORI will manufacture all machines (from raw materials to delivery) completely climate-neutral from 2021 onwards. The company's manufacturing / production solutions also provide the highest energy efficiency at the customers' premises. DMG MORI machines play a key role in the production of green technologies. Since May 2020, the 'Company Carbon Footprint' of the firm, which covers its own value creation, has been climate neutral. The company avoids emissions in all areas, among others through modern heating, ventilation, and cooling concepts. Simultaneously, it uses self-generated regenerative energy and purchases exclusively green electricity at almost every location. The residual CO2 emissions, which cannot be avoided, are compensated by investments in sustainable and certified climate protection projects. It bundles its integrated initiatives for climate-neutrality into three areas. Firstly, in 'GREENMACHINE', the company to offset CO2 emissions that occur in the supply chain and customers worldwide will receive completely climate-neutrally produced machines from all its production plants from 2021 onwards, for example in the production of raw materials such as cast steel. Secondly, 'GREENMODE' focuses on energy and emission-efficient machine operation through specific CELOS apps, consumption-optimized components such as LED lighting, the recuperation of braking energy and intelligent control of all units. Lastly, in

'GREENTECH', the company advances the production and further development of green technologies. Customers use DMG MORI machines to produce highly innovative components, e.g. parts for wind power plants, hydroelectric power plants, fuel cells or electric mobility. The company has built up specific know-how in Excellence Centers for many years, to support its customers worldwide.

"Climate protection concerns each and every one of us. Technological leadership and environmental protection go hand in hand. DMG MORI, therefore, takes on complete responsibility," explained Christian Thönes, Chairman - Executive Board, DMG MORI AKTIENGESELLSCHAFT. "From 2021, the entire value chain of our manufacturing solutions – from raw materials to delivery of our machines to the customer – will be CO2-neutral. This makes DMG MORI one of the first industrial companies worldwide to have a climate-neutral 'Product Carbon Footprint'. We also consistently improve the energy efficiency of our machines. In the production of environmentally friendly technologies, we are an innovation leader."

– Modern Manufacturing India



The worst is over, says JSW Steel

JSW Steel, the country's second-largest steel maker, believes the worst is over, as there is an all-round improvement in demand across user industries, led by the automobile sector.

Seshagiri Rao, joint managing director and group CFO, JSW Steel told FE that while it may still take some time for demand to come up to last year's levels, sequential and month-on-month improvement in demand from the industry was encouraging.

– Metal Junction





Essar to pump Rs 35,000 crore into Gujarat for steel manufacturing project

After exiting two of its most prized assets in Gujarat — the refinery and steel facilities, the Ruia-controlled Essar group is once again exploring the state for several big-ticket projects. These include setting up a commercial port, new and emerging technologies, EV vehicles and lithium-ion manufacturing facility, renewable energy, petrochemicals and even a steel project. The company has drawn out plans to invest about \$5 billion (roughly Rs 35,000 crore) for a steel manufacturing project in Gujarat, said sources close to the development.

The promoters of Essar Group had last year lost a long-drawn battle to wrest control of the bankruptcy-ridden Essar Steel at Hazira

which it had built from a scratch.

The stressed steel plant project of 10 million tonnes per annum capacity went into insolvency proceedings and was bagged by ArcelorMittal Nippon Steel India Ltd.

Senior executives of Essar Group met top Gujarat government officials last week to discuss various plans. The company has also submitted a proposal to set up a steel plant with 8 million tonnes of annual capacity for which it has sought land from the state government.

“The company is looking for land near coastal areas that have good port connectivity,” said a senior state government official. For the proposed steel plant the company requires land of about 1,000 hectares, said sources in the know of the development. The \$5 billion proposal does not include land and infrastructure cost of a captive port and captive power plant, said sources.

The ArcelorMittal led joint venture’s winning bid involved a debt restructuring plan to the tune of Rs 42,000 crore and further investment of Rs 8,000 crore for ramping up its capacity. Essar group promoters had proposed to repay about Rs 55,000 crore to the creditors however the offer was not accepted by the committee of creditors for Essar Steel. Essar group and ArcelorMittal are presently locked in a legal battle to wrest control of the captive port at the steel plant facility at Hazira.

When contacted, an Essar group spokesperson said that senior executives have been visiting senior government officials to discuss their current investments in ports and power sector in Gujarat.

Essar Group has also proposed to set up an LNG terminal at Hazira and also drawn out plans to enter into solar and wind energy generation and coal bed methane projects in Gujarat, said sources.

For the port project, the group has chalked out plans to invest about Rs 10,000 crore, according to sources.

The Essar group promoters, who sold the refinery project near Jamnagar for \$12.9 billion to Russia’s Rosneft led consortium, is also planning to set up a petrochemical complex. For this the group is looking at options within India, including Gujarat and also overseas, said sources.

Last year in October, Essar group promoters said that they paid off Rs 1.4 lakh crore debt and that the residual 10-15% would be cleared shortly. Essar group took steps towards reducing leverage by exiting from Essar Oil and selling it off to Rosneft-Trafigura consortium in 2017.

This was followed by the company’s exit from Aegis, their BPO business. The group carried out a few more exits and used the proceeds from this monetisation, exercise to repay about Rs 1,40,000 crore of debt, which is seen as the largest deleveraging exercise by an Indian corporate.

The company is in good shape with the top line of the portfolio the business of over \$13 billion or Rs 1,00,000 crore, the group, director of Essar Capital said Prashant Ruia, in an internal message posted on the group’s website last October.

– The Economic Times



Universal Corporation completes acquisition of Silva International

Universal Corporation (NYSE: UUV) today announced that it has successfully completed its previously announced acquisition of Silva International ("Silva"), a privately-held, natural, specialty dehydrated vegetable, fruit and herb processing company. Universal funded the transaction with a combination of cash on hand and existing borrowing capacity. The acquisition expands Universal's plant-based ingredients platform and will enable Universal to offer customers a single source for vegetable and fruit ingredients solutions. Silva procures over 60 types of dehydrated vegetables, fruits, and herbs from over 20 countries around the world. In addition to sourcing, Silva specializes in processing natural raw

materials into custom designed dehydrated vegetable- and fruit-based ingredients for a variety of end products. Silva employs over 200 people and has a 380,000 square foot manufacturing facility in Momence, Illinois. Universal Corporation, headquartered in Richmond, Virginia, is a global agri-products supplier, operating in over 30 countries on five continents, that sources, processes, and supplies leaf tobacco and plant-based ingredients. Tobacco has been the Company's principal focus since its founding in 1918, and Universal is the leading global leaf tobacco supplier. Through the Company's plant-based ingredients platform, it provides high-quality, specialty vegetable- and fruit-based ingredients to food and beverage end markets. Universal has been finding innovative solutions to serve its customers and meet their agri-product needs for more than 100 years. The Company's revenues for the fiscal year ended March 31, 2020, were \$1.9 billion. Visit universalcorp.com for more information on Universal Corporation and the latest Company news.

– *Engineering Review*



IOCL to implement Petrochemical and Lube Integration Project

Indian Oil Corporation (IOCL) in a regulatory filing to BSE has informed that the Board of IndianOil has accorded approval for implementation of Petrochemical and Lube Integration Project at IndianOil's Gujarat Refinery at an estimated cost of 17,825 crore.

The regulatory filing further stated, "the project will not only increase the capacity of Gujarat Refinery from 13.7 MMTPA to 18 MMTPA, but would also result in integration to petrochemicals with production of 500 KTPA Polypropylene. In addition, production of Lube Oil Base Stock (LOBS) of 235 KTA is also proposed. The project would be a building block for production of niche chemicals in future with a potential to increase petrochemical and speciality products integration index on incremental crude oil throughput which would enhance the Corporate margins of IndianOil".

– *EPC World*



JSPL produced rails are approved by Indian Railways for high-speed corridors

JSPL has successfully develop 60E1 1175 Heat Treated(HT) Rails suitable for High speed and High Axle Load applications. Indian Railways have projected a requirement of 1.8 lac MT per annum of this high-grade 60E1 1175 Heat Treated (HT) Rails. Indian Railways has embarked upon upgrading the Indian Railway Track system to carry 25MT axle load and up to 200 km/Hour speed. Research Designs & Standards Organisation (RDSO) has approved the newly developed 60E1 1175 Heat Treated (HT) Rails of Jindal steel and power limited.

60E1 1175 Heat Treated (HT) Rails is a superior grade to 1080 HH and will be used by Indian Railways for heavier loads and high-speed application. Based on inspection and testing conducted by RDSO team, Railway Board/RDSO had earlier accorded approval for JSPL manufactured 60E1 1080 HH Rails. These Rails are primarily used by the Metro Rail Corporations, High-Speed Corridors and Bullet Trains. These Rails are equivalent to European R350HT grade with regards to Rail

profile and chemistry but follow more stringent Quality tests.

JSPL's Gr. 880 Rails has also been approved by Railway Board/RDSO as a "Regular Supplier" to Indian Railways. Apart from 880 Grade main track rails, JSPL has also started supplying 1080 grade Head Hardened rails to several metro Rails projects in India which includes Rail Vikas Nigam Limited for the construction of the Kolkata Metro Rail Project and Pune Metro. JSPL has developed Special rails, Asymmetric Rails, R260, and 1175HT grades for heavy load carrying wagon units of 75 tones /wagon.

"Before this development, all speciality rails were imported in the country, JSPL is committed for manufacturing of speciality rails to fulfil requirements of Indian railways and metro rail corporations hence making India AatmNirbhar in procuring rails locally for different applications. These rails will be used in the dedicated freight corridor, high axel load application including bullet trains, said V R Sharma, Managing Director of Jindal Steel & power limited in a statement.

"JSPL's manufacturing capacity for 60E1 1175 HT Rails has been assessed as 3.24 Lac MT per annum by Railway Board/RDSO, which is more than enough to meet the full annual demand of Indian Railways, Metro Rail Corporations, High-Speed Corridors. JSPL is also exporting rails to adjoining countries like Bangladesh & Sri Lanka, the company is supplying rails to the African continent as well. JSPL is also supplying speciality rail blooms for special rails to France for European railways. With this development,

JSPL positioned itself as a world-class rail manufacturer which is a great achievement by an Indian company", Sharma further added.

– **EPC World**

Rural India holds key to enhancing per-capita steel usage in the country: Dharmendra Pradhan

Union Minister for Steel and Petroleum & Natural Gas, Dharmendra Pradhan addressed a webinar on 'Atmanirbhar Bharat: Fostering steel usage in Rural economy-Agriculture | Rural Development | Animal Husbandry and Dairying | Food Processing' organized by Ministry of Steel in association with Confederation of Indian Industry (CII) here today and shared his views on the role of India's steel sector in the growth and prosperity of our villages and in making our rural economy strong and self-reliant.

Narendra Singh Tomar, Minister of Rural Development, Agriculture and Farmers Welfare, Panchayati Raj and Food Processing Industries also graced the occasion as the Guest of Honour. Faggan Singh Kulaste, Minister of State for Steel delivered the special address at the event.

– **Metal Junction**





Jindal Stainless launches Phase 2 of pipe & tube co-branding initiative

Jindal Stainless, India's largest stainless steel manufacturer, announced the launch of the second phase of its nationwide pipe & tube (P&T) co-branding program 'Jindal Saathi 2.0' here today. The second phase of this initiative comes after a successful phase 1, launched by the company in July 2019, to address the issue of counterfeiting in the stainless steel P&T market. The Company

aims to increase its market share to 60% in the P&T segment by the end of FY2021-22. According to industry estimates, the current market size of the P&T segment is approximately 7000 crore, and is growing at a rate of 10-12% annually.

Buoyed by the success of Phase 1, which took the Company's market share in this segment from ~44% to ~50%, Jindal Stainless has expanded the scope of the program from 28 cities in Phase 1 to over 270 cities and towns in Phase 2. These include metros and tier I & II cities, which house major and minor P&T markets. The Company is also reaching out to local fabricators to sensitise them about counterfeit supplies in the market.

Commenting on the launch of Phase 2 of the co-branding initiative, Managing Director, Jindal Stainless, Abhyuday Jindal said, "Phase 1 of the Jindal Saathi campaign has by far exceeded our expectations. We've been able to bring down the share of counterfeit supplies in the market from 25% last year to 20% this year. As industry leaders, we consider it our responsibility to safeguard the benchmarked international quality standards set by Jindal Stainless and our partner manufacturers. The counterfeit industry not only harms us, but also the MSMEs operating in this segment, which constitute around 75% of the total P&T market."

In July 2019, Jindal Stainless launched 'Jindal Saathi' co-branding program with around 100 MoU partners to guard the

domestic market from counterfeit products and to ensure supply of right quality decorative stainless steel P&T to end-customers. As a part of the initiative, standardised seals were created featuring the logos of Jindal Stainless and its MoU partners, the grade of stainless steel, and respective MoU numbers.

The growth potential of the stainless steel P&T segment in India is vast. In a growing and rapidly urbanizing country, stainless steel proves to be the most sustainable and optimum choice, as it offers longer life, lower lifecycle cost, low maintenance requirement, unmatched aesthetic appeal, along with being 100% recyclable. Stainless steel decorative P&T are used in key segments like Architecture, Building and Construction (ABC) and Automobile, Railways and Transport (ART). Stainless steel is also the preferred material for coastal infrastructure, which requires high corrosion resistance and strength. Indian P&T manufacturers are acknowledged globally in applications like ornamental, structural, heat exchangers, hollow sections, automobile, exhausts, water pipeline, food & beverage, sugar industry etc. With the government's increased focus towards Atmanirbhar infrastructure development, this segment is poised to grow further. The current pandemic has also revealed new and rising applications of stainless steel P&T in sanitizer dispensing machines, hand washing stands, and hospital beds, among others.

– EPC World



Steel Minister asks CII to identify areas of steel usage

Union Steel Minister Dharmendra Pradhan on Tuesday asked industry body CII to submit a report on how to enhance per capita steel consumption in India.

The minister has given 30 days time to engage with various ministries, including steel departments and stakeholders and submit the report.

"Objective is clear. To increase the per capita steel consumption. The per capita steel consumption at present is 74 kg. The more we will increase it, the more it will benefit," he said while speaking at 'Aatmanirbhar Bharat: Fostering Steel Usage of Steel in Rural Development Sector' conference organised by CII.

The conference was organised to identify the avenues of steel usage in sectors like agriculture, rural development, dairying and food processing. Steel is among the eight core sector industries of the Indian economy. Steel demand is positively correlated with economic growth.

Speaking further, Pradhan said steel should be linked with all respective sectors to see where the metal can find application. By 2022, as part of Pradhan Mantri Awas Yojana there will be a house for everyone. Emphasis is being laid on roads in the rural areas. Private business is coming in the Railways, he noted.

"Also, for the first time, in (the field of) agriculture, a plan has been made to pump in a huge investment amount in contract farming model." The minister said increasing per capita consumption will also create new job opportunities. It will increase the revenue collection of states.

"CII together with the Steel Ministry, other ministries like agri, food processing etc, departments must submit a report to the Steel Ministry within a month," he said.

Rural Development Minister Narendra Singh Tomar said there is a need to increase the use of steel in rural areas. This will also help increase farmers' income. Tomar further spoke about certain areas where steel will find application in a huge amount, thereby increasing the usage of steel in the country.

In the PM Gramin Awas Yojana, about 46.90 lakh metric tonne steel has been used and another 43.80 lakh metric tonne will be required in the remaining part of the ambitious project. Steel will also be used in construction of roads and bridges under the Pradhan Mantri Gram Sadak Yojana. For the approved work in phase I and II of the project, about 102 lakh metric tonne steel will be required.

"The per capita steel consumption in rural

areas as compared to the urban is at just 19.1 kg. I expect with collective efforts, the outcome of this webinar will be utilised to identify the areas of steel usage," he said.

– *The Economic Times*



NEW TECHNOLOGIES

Megatherm Induction Pvt. Ltd.

Megatherm Induction Pvt. Ltd.
Megatherm deals in Metal Heating & Melting Equipment and Possesses the strength to meet Thermal Challenges through Induction.

Our manufactured products include:

- Induction Melting Furnaces for Steel Plants(5 ton to 60 Ton Capacity)
- Induction Melting & Holding Furnaces for Foundries (5 kg to 50 ton capacity)
- Induction Mass Heating Equipment (100 kW to 15 MW)
- Induction Hardening & Heat Treatment Equipment (500 Hz to 100 kHz)
- Medium & High Frequency Induction Heating Power Sources (50 kW 100 kHz to 30 MW 150 Hz)
- Ladle Refining Furnace (12 ton to 100 ton)
- Continuous Casting Machine (4/7, 2 or 3 strand; 6/11 2 or 3 strand)
- Converter Duty Transformer (up to 40 MVA; 11/22/33/66 kV class)



ARB Bearing Limited

PRODUCTS

BALL BEARINGS

- Angular Contact Bearings
- Double Row Angular Contact Bearings
- Radial Ball Bearings
- Self Aligning Ball Bearings

ROLLER BEARINGS

- Clutch Release Bearings
- Cylindrical Roller Bearings
- DC Bearings
- Double Row Cylindrical Bearings
- Double Row Taper Bearings
- Explorer Series Bearings
- Four Row Cylindrical Bearings
- Four Row Taper Bearings
- Kingpin Bearings
- Spherical Roller Bearings
- Steering Bearings
- Taper Roller Bearings
- Thrust Bearings

GREASE

- AP3 Grease
- Red Gel Grease



STRENGTH

There are moments when a telling glance or passing remark can capture the essence of a thing. In our case, it's the machine operator's or the motorist's smile. At the heart of every machine in motion, you will find ARB bearings performing smoothly and perfectly. We might not be visible but you will find us wherever your imagination can go. We are present almost everywhere in your world making your life hassle-free, Empowered with your trust and support we can tackle even the most difficult motion problems with elan. Today you can find our efficient and quality solution in:

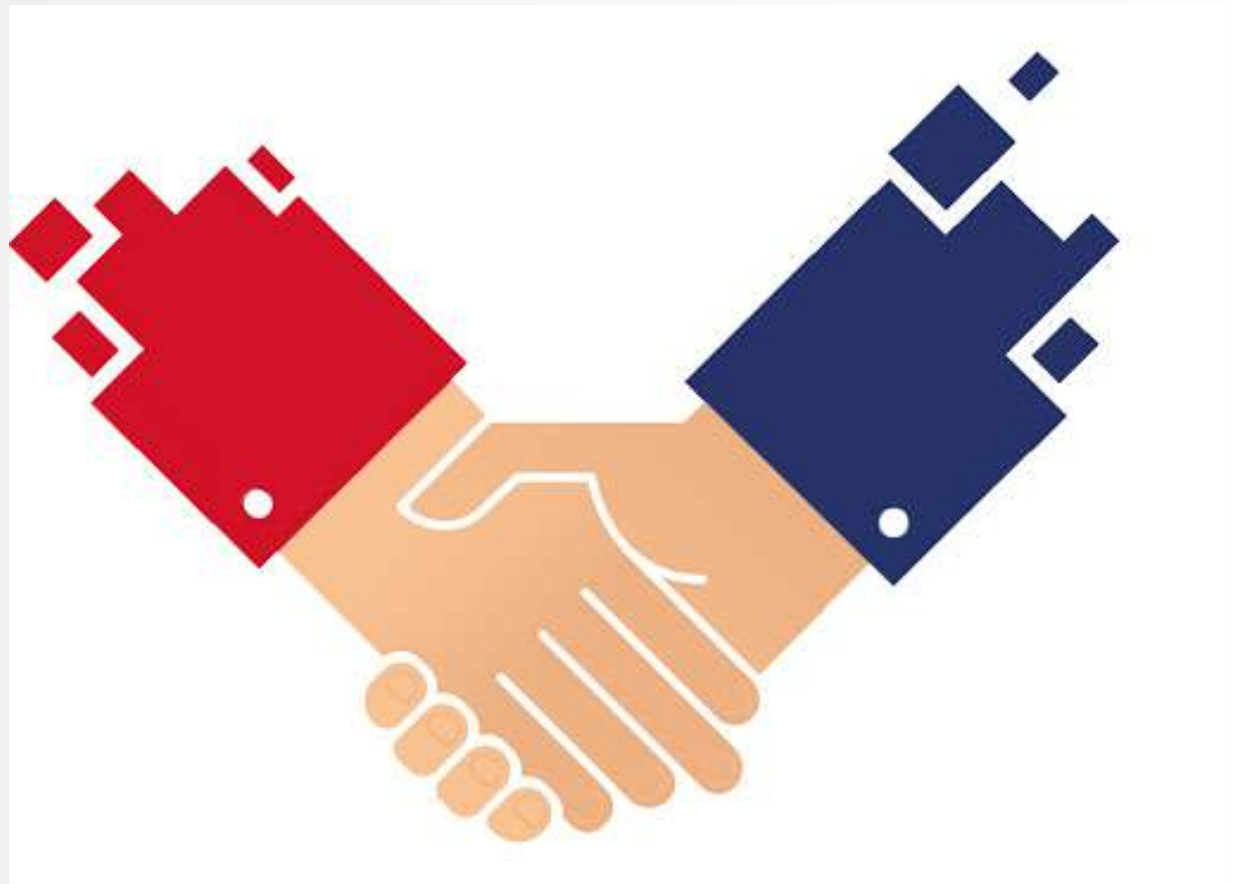
- Passenger Cars
- Heavy Commercial Vehicles
- Heavy Earthmoving Equipments
- Light Commercial Vehicles
- Two & Three Wheelers
- Steel Plants & Rolling Mills
- Electrical Motors and Pumps
- Fans / Exhaust Fans
- Tractors / Combines / Threshers & others
- Agricultural Equipments
- Cements & thermal Plants
- Heavy Industries
- Paper Mills
- Crushers
- Diesel Engines



PARTNERSHIP OPPORTUNITIES

Partnership gives an excellent opportunity to stand out from the crowd, reinforce, enhance and establish corporate visibility amongst the targeted audience. Partnership is a great way to reinforce your brand message with benefits including:

- Enhance your leadership status
- Educate and inspire a targeted audience with your products and services
- Raise brand awareness and create preference to a targeted audience
- Build leadership status in the industry
- Create positive PR and raise awareness of the organization as a whole
- Build brand positioning through associative imagery
- Create internal emotional commitment to the brand
- Provide innovative solutions to the industry
- Provide revenue generating ideas



INDUSTRY SPEAK



V. B. Mahendra
Chief Executive Officer
ENCON Thermal Engineers

There is a Vedic Mantra "Aaham Bhoomi Edam Arya" God had gifted this Universe (Shrishti) to Preeminent (Shresth) people. He gifted them with clean air, pure water, healthy flora & fauna, safe space, animal kingdom, wealth of minerals, the list is endless. Over a period, mankind in the name of progress - lost or deteriorated almost everything - may be some to a larger extent, and the remaining to little lesser. Over Vedic people had progressed - may be more than the modern day Science, but we don't have any traces, as all their developments and methods were conducive to co-existence. They had used organic methods, keeping recycling the natural ways. Many things that are mentioned in these great epics are proving themselves in the present context of

healthy & complete co-existence.

When we see beautiful places, there creeps in a scare - for how long will it remain what it is? I have seen many beautiful places being destroyed in my lifetime in the name of progress. The way we ruined this beautiful gift is evident from one small fact that when the island Hawaii was discovered - there were around 118 known species of Birds living there. Now with the so called development the number of species existing in Hawaii is 28, out of which few are in endangered species. So is with our Indian Tiger, Blackbuck etc. etc. Again the list is endless.

If we take a radius of 60 Km around Delhi, we find that our sub-ground water upto a depth of 60' is not drinkable. Can we really do something about it as an individual?

In our endeavor to make this universe a better place for all of us - ENCON has been continuously developing or introducing new concepts of 'Energy Conservation'. Many of them have been copied (wrongly or rightly) by our fellow countrymen, still we do not believe in patenting as we want you to adopt them in any which ever way.

Bad copies definitely do hurt us as they really bring in a bad name to the concept / technology and if somebody continues using it then we are headed for a bad universe for all of us. We would like the Industry to participate with us in our endeavor to adopt eco-friendly technologies that our children can be proud of and can enjoy the same diversity as we are doing today.



MEDIA SPEAK

The global market for Hand Tools & Accessories is forecast to reach US\$24.3 billion by 2025

driven by their continued relevance in building, shaping, repairing and maintaining an increasingly mechanical and engineered world. A key newsworthy trend in the market is the growing focus on cutting edge design innovations in tool ergonomics especially against the backdrop of a highly mature and commoditized market boxed in by competition from power tools.

Growing incidence of work-related musculoskeletal disorders and focus on worker productivity in light manufacturing that require manual assembly are also driving the emphasis on occupational ergonomics. Mechanics' service tools are witnessing robust demand supported by aging plant infrastructure in most industries and increased load and frequency of maintenance and repair of industrial machinery; strong demand for automotive aftermarket repair and maintenance services; and expanding aircraft fleet and growth in aircraft MRO services; stable construction industry, higher employment rate of construction workers and a parallel increase in demand for masonry and plumbing tools. In the automotive industry which is a major end-use of mechanic hand tools, the growth in aftermarket services is guided by growing global vehicle population

(PARC); rising awareness among vehicle owners over the importance of timely maintenance; adoption of remote vehicle diagnostics systems which encourage timeliness of car maintenance and repair; growing base of fleet vehicles which have higher wear and tear associated with higher annual vehicle miles traveled; and increasing sales of used cars in emerging markets. Other major factors influencing growth in the market include growing popularity and value of multitask hand tools for their ability to reduce redundancy associated with standard tool collections; robust demand for manual torque tools in manipulating new generation materials such as ceramics; growing Do-It-Yourself (DIY) home improvement activity in developed countries against the back of rising labor costs and the resulting increase in sales of packaged DIY tools ranging from wrenches, screw driver and hammers.

In the United States and Europe,

do-it-yourself home improvement is a cultural trend and is fairly common. Popular DIY home improvement projects in these regions include installation of new garage doors, vinyl windows, wood flooring, painting, and insulation upgrade, among others. Desire for extreme customization drives preference for DIY. Also, DIY eliminates the problem of hiring a suitable handyman and then supervising them for ensuring completion of the job in a timely manner and in accordance with specific needs and expectations. The pervasive

culture of Do-It-Yourself is partially encouraged by the easy access to DIY self-help books, consumer magazines, TV shows, and how-to tutorials which disseminate insights on home improvement. Tool manufacturers such as Stanley Black & Decker and Robert Bosch provide customers with instructional videos on a wide range of subjects from product advice to tips on fixing, upgrading or remodeling without hiring a contractor. The United States and Europe represent large markets worldwide with a combined share of 50% of the global market. China ranks as the fastest growing market with a CAGR of 5.4% over the analysis period. The country is closely followed by other countries in Asia-Pacific supported by the rise of low cost Asian countries as global hubs for manufacturing and the resulting establishment of numerous new job shops and metal working facilities; huge population, rapid urbanization, growing housing and infrastructure needs; huge vehicle PARC and a massive automotive service sector; continued dependence of several small plants upon specialized hand operated tools; strong growth of domestic wood working industries and the ensuing rise in demand for craftsmen, carpentry hand tools; and increase in consumer D.I.Y home improvement, gardening and landscaping projects.

- **GlobeNewswire**



Gauging the Pandemic Impact

Post the lockdown phase, VDMA conducted a third survey to assess the impact of Covid-19 on the engineering industry and the business activities of VDMA members in India.

Here's the result :

VDMA India Flash Survey 3.0 on Coronavirus 2020 was conducted with the aim to gauge the impact of the prevailing situation on the business activities of VDMA members in India. Held between July 07 – 11, 2020, the survey comprised 11 basic questions and gathered 202 responses across 35 sectors of the mechanical engineering industry. The participants of the survey needed on average 02 minutes 18 seconds to answer the questions with their characteristics. The survey results were then analyzed to capture a holistic overview of the economy and the business situation that lies ahead of us. VDMA India's prior two flash surveys on

Covid-19 were conducted with lockdown in full affect between March 30 – April 03, 2020 and April 21 – 25, 2020.

Key highlights As per the latest survey (VDMA Flash Survey 3.0), it can be observed that for the next four-six months, order intakes, new business orders and a push in business and economy is looking difficult

- Sixty percent of the respondents felt that it would take more than a period of six months to attain normalcy. During Flash 2.0, 50 percent of the participants estimated a period of three to six months to return back to normal conditions, whereas during the first survey, 44 percent of the respondents expected three to six months to normalcy.

- Eighty five percent of the respondents felt that the Pharmaceutical and Medical industry would grow in the near future. Industries like Mining, R&A, Defence, Railways, Textile & Garment, Machine tools, Online Education Technology, Packaging are also expected to grow as we move forward.

Results

- Even post lockdown, 86 percent of the respondents felt that they will not be able to achieve their targets in 2020. While only 14 percent were hopeful of achieving their target.
- 44 percent of the organizations felt that they would witness a loss of more than 20 percent revenue for the financial year 2020-2021. While 15 percent felt that it is still too early to be able to predict precisely.
- 50 percent of the companies estimate 50-70 percent of capacity utilization in the

financial year 2020-2021.

- During Flash Survey 2.0, 41 percent of the companies estimated 70-80 percent of capacity utilization in the financial year 2020-21. This number has significantly come down to almost 28 percent during the latest VDMA India survey.
- Hence, it is evident that the business sentiment has been impacted further adversely even after the lockdown restrictions being removed.
- 84 percent of the survey participants reported that their customers have postponed investments under the prevailing COVID-19 scenario.
- Almost 62 percent feel that it would still be more than six months for everything to get back to normal.
- 40 percent during the second flash survey and 33 percent during the flash survey 1.0 estimated a period of more than six months to return back to normal conditions during the second flash survey. Response from the mechanical engineering industry is pessimistic than before.
- 85 percent of the respondents feel that the Pharmaceutical and Medical industry would grow in the near future.
- Industries like Mining, R&A, Defense, Railways, Textile & Garment industry, Machine tools, Online Education Technology, Packaging are also expected to grow as we move forward.

– Modern Manufacturing India

New HP Study Affirms the Key Role Digital Manufacturing Plays in Sustainability

HP Inc., members of its worldwide partner, customer community, and the industry experts, demonstrated the power of digital manufacturing to transform industries at its recent global Innovation Summit. It also featured discussions with executives from Additive Integrity, Decathlon, Forecast3D, IDC, Nissan, Solize, the World Economic Forum, and more. A new HP study, delivering insights on digital manufacturing technologies and trends such as industrial 3D printing acted as the cornerstone of the event.

The HP Digital Manufacturing Report, a global study by HP Inc., surveying thousands of manufacturing executives across the globe finds that companies are increasingly investing in advanced 3D printing solutions which offer the agility, speed, and flexibility necessary to grow their business and become more resilient in an ever-changing environment.

Regardless of sector or location, companies are looking at 3D printing to strengthen their production or supply chains (hybrid models and localized production), become more agile, as well as create more innovative product development and manufacturing strategies according the finding from the global manufacturing industry. It is emphasized by increased investment in 3D printing, support for 3D printing as a viable alternative as well as backup to traditional manufacturing, and a greater desire for

closer ecosystem collaboration to drive adoption.

Manufacturers also see opportunities for accelerated innovation, recognizing that 3D printing's increased ability to innovate, and unique suitability for mass personalization of new products. In addition, additive manufacturing reduces waste and promotes a more sustainable economy, transforming industries like medical, industrial, and automotive for sustainable production.

"The global manufacturing sector is clearly signaling a desire for greater supply chain resiliency, more manufacturing flexibility, increased speed of innovation, and stronger environmental sustainability," explained Ramon Pastor, General Manager, HP 3D Printing & Digital Manufacturing. "And they are seeing industrial 3D printing as a way to not only lower costs and go to market faster, but as a unique competitive advantage that accelerates innovation for customers."

– Modern Manufacturing India



Indian domestic steel demand recovers to pre-pandemic levels

After a period of negative news following the COVID-19 pandemic, there's finally some cheer for India's steel industry, particularly related to Indian domestic steel demand.

Domestic steel demand has bounced back to pre-COVID levels. Automotive and white goods sector demand have driven the steel demand recovery.

Are you on the hook for communicating the company's steel performance to the executive team? See what should be in that report!

Indian domestic steel demand recovers as per a report by financial firm Motilal Oswal, higher steel prices and lower coking coal prices ensured Indian primary steel producers' margins remained strong. In addition, the report noted there were signs of domestic steel demand recovering gradually in the country.

The Motilal Oswal report also pointed out that India's finished steel consumption, too, is recovering gradually. India's finished steel consumption registered a drop of as much as 85% year over year in April 2020.

– Metal Junction



Indian Mining Industry to overcome the traditional challenges...

Mining is backbone of Industrial growth of any country and India is not an exception. India is one of the richest countries having immense reserve of many major minerals including Fuel & Metal. Mining in India has legacy, however, country is still far behind many countries particularly in driving the growth in Mining Industry & use of latest Mining Technologies. For more than a decade, Indian Government is trying to focus and support Indian Mining Industry to take this on a rapid growth path by removing the hurdles, however, the challenges continued to be the same.

An estimate indicates that, there are 3500 plus Mining leases in the country that are in force across 23 states covering an area of about 317 K hectares. According to the various government data sources, India produces over 85 various minerals including

Coal, Lignite, Iron Ore, Bauxite, Manganese, Chromite, Copper, Zinc & Lead, Limestone, phosphorite, Diamond, etc. Over the decades, the value of mineral production has also risen and, an estimate indicates it around Rs. 3.0 Trillion. Whereas India continue to be the second-largest producer and importer of Coal in the world.

Recent Changes & Developments in Industry
In last few years, there has been many changes & amendments in all related law, regulations. The Government is trying hard to support and give a boost to Mining Industry, especially Commercial Coal Mining, and bringing in reforms to attract more investment into the sector. The the direction taken by the government in its various announcements intended to revive the Indian economy following the pandemic (Covid-19). However, a boost to Mining brings with it associated predicaments such as land acquisitions & related conflicts, various community & habitation issues and moreover it's impact on the environment.

Some of the Challenges in Indian Mining Industry:

Exploration of Mineral Resources

Although the Geological Survey of India (GSI) has covered entire country by systematic geological mapping, however, lot more is required to define the oblivious geological potential are identified. More focused approach is required for accelerating exploration especially targeting deep-seated and concealed mineral deposits over the OGP. The National Mineral Exploration Policy (NMEP) has been approved by the

government and NMEP proposes to attract participation from private exploration agencies to expedite Exploration.

Land Acquisitions

One of the keys & vilest effects of mining is the mass displacement of natives to other locations. Country like India is densely populated and when a new mining operation is commenced, there is always a requirement of shifting the villages, dwellings from one place to other, which also affects residents source of earnings be it from the agriculture, forest or any other local earning source. The people not willing to leave the native places, fear of losing the source of earning affects the land acquisitions thus delay in starting the mining operations. Many of the existing mines also



face the similar challenges while expanding their operations.

Forest & Environment

The country's major mineral area is under its richest forests and in the watersheds of its key rivers and the major minerals like Coal, Iron and bauxite, which are the mainstay of our mineral production, are mainly in the forest area. There are in fact, enough rules and laws to ensure that in areas where mining is being done, the environment is protected, water bodies are not polluted, mined-out land is reclaimed, and communities get justice, however, that continue to be a challenge. Getting such clearances either from Forest Departments or Environment departments are a herculean task for Mine owners & Operators.

Capital Investment

Mining is high capital investment Industry where in the investments starts from securing a lease, land acquisitions, building infrastructure and investment on Mining operations which is Heavy Earthmoving Equipment and workforce, etc. The operating cost is mostly high because of energy, fuel and various another consumable. Nowadays most of the Mining Companies / Mine owners are moving towards deploying Mine Developer & Operators or Mining Contractors to reduce their investment and lowering the cost of operations. This model is working well, however, have their own challenges like the Mining lease owners remain liable for Statutory compliances, Legal & Social responsibilities and related liabilities.

Latest Technology & Modernization

Mining in India has a great legacy; however, the technological change and adoption of New & Digital technologies have always taken a back seat for some reason or the other. The key challenges in technology adoption in Indian Mining Industry have been more focus on Cost, Short term versus longer term realization of benefits. Mining Industry need to realize that in era of Globalization & in fast changing World, Efficiency, Productivity & Safety are going to be key in sustaining & business profitability in long-term. While the new technologies, mining methods, switching to large & new technology equipment & automation, might require high initial investments, however, they have returns on investments in varying lengths of payback periods and will be good for the industry in longer run.

Digitalization in Mining

World is moving towards Digitalization for better control on Mining Operation, efficiency, productivity, Safety and cost-efficient operations, etc. While all the leading Mining Countries in other continents are using digitalization for long and switching to newer technology much faster, the use of Digital Technology and Digitalization in India has taken a back seat and the progress on this front has really been slow. Now it's high time to start giving a thrust to match the Indian Mining operations with Global standards and become at par in technology & to be competitive in Global market.

Now when World is moving towards SMART / Digital Mine and leading Global Technology



Companies like Hexagon Mining are providing 'End to End' i.e. 'Pit to Port' digital solutions to Mining Industry right from Exploration, Geology, Mine Planning, Drilling & Blasting, Split Engineering, Fragmentation Analysis, Shovel & Conveyor Monitoring, Mining Equipment Fleet Management, Machine Control, Equipment Health Monitoring, Safety solutions Including Collision Avoidance System, Operator Alert Systems (OAS) / Fatigue Management Systems, Vehicle Intervention System (VIS), latest survey and monitoring equipment including, Total Stations, Scanners, Slope &

Bench Monitoring Geo-Radar Systems, various Satellite Monitoring Solutions, Machine Control and in addition the solutions are also available for Enterprising (make use of Data) and to make the complete digitalization of entire Mining value chain. It's the Industry how they look towards the future and how quickly Mining Industry able to adopt new & digital technology. The way forward to help the Industry Grow To support the rapid growth of Mining Industry the Government & Industry need to work together towards:

- Faster Exploration & Commercialization to unlock the reserve and reduce cost by enhancing production & supply.
- Reengineering the process of granting lease, permission & licenses - To reduce the time-to-value and related risk of Mine Operator / Developer
- Overcoming the traditional challenges like land acquisition, forest clearances, re-habitation, better coordination between Central & State Governments & departments for ease of clearance process and reduce the lead time of Mine lease allotment & starting the production.
- Faster decision making on all fronts & making the various licensing, approval & clearances process easier for Mine Operators
- More focused & Systematic approach to address mechanization, Modernization & Digitalization-

Encouragement to the organizations who have capabilities to solve the challenges in Mining Operations

- Reduce the cost of Mining by use of technology, rationalization of taxes & duties, exports which would ultimately lead to enhancing production and increase in gross revenue.

– EPC World

Trade review: Soaring iron ore prices bring buying flexibility to the fore

This is Part 2 of 5 in the S&P Global Platts Metals Trade Review series, where we dig through datasets and digest some of the key trends in metallurgical coal, iron ore, steel, scrap and alumina. We also explore what the next few months could bring, from supply and demand shifts, to new arbitrages, and to quality spread fluctuations.

Seaborne iron ore prices surged in the July-September quarter on the back of strong Chinese crude steel production and tight supply of iron ore fines. However, the market eased from early September due to weaker finished steel prices, squeezing steel margins and indicating the price range could be lower in the fourth quarter.

S&P Global Platts' Iron Ore & Steel Outlook found that 54% of market participants expected benchmark prices to range between \$100/mt and \$110/mt CFR China in

Q4.

Platts 62% Fe benchmark iron ore fines index, or Platts IODEX, averaged \$118/dry mt CFR China in Q3. After a slower July, prices surged to a six-year high of 127.60/dmt on Aug. 18, before strengthening further to \$130.80/dmt on Sept. 3, the highest since January 2014. – Metal Junction



CSR ACTIVITY

Megatherm Induction Pvt. Ltd.

Event: Sponsoring classroom facilities for Sopan Primary School, a support education system for under privileged school going students of the local Adivasi (tribal) community. The school is an initiative of Kharagpur local Thana. We were happy to be a small part of the initiative and were really excited to see so many happy, glowing and exciting faces at the end of the event. Since it was eve of Diwali, we organised a 15 minutes fire cracker bursting session. This 15 minutes were the most fun filled as kids were happy to burst crackers amidst claps, cheering and lot of giggles. The program ended with distribution of packet of sweet.

Company sponsored classroom facilities like stand fans, chairs, tables, dustbins, black boards, stationary, copies and almirahs.



Local students showcased their talents through recitation, dance, gymnastics through a small program organized by the civic volunteers of police who take active participation in the facility so provided.



OC of Kharagpur Thana addressing the gathering in the presence of local social well wishers and eminent guests.



Small kids got excited to see the new black board and requested to do sums on the board which was happily indulged in by the representative of Megatherm, Mrs Shaswati Datta.



ARB Bearings / Eastern Bearings Pvt Ltd

CSR Strategy

ARB Bearings understands and acknowledges its responsibility towards the society. It is devoted to a sustained Corporate Social Responsibility, which has been imbibed by the entire team. It seeks to make a meaningful contribution to the society through its active philanthropy.

Value-based working

It is committed to creating positive changes in the society through values like honesty, fairness, and transparency in its functioning. It follows engineering ethics and abides by all rules and laws. Its transparent reporting system facilitates greater accountability and credibility.

ARB works towards eliminating discrimination by creating an environment of equality and solidarity based on mutual respect and trust. It respects the diverse cultural backgrounds and customs of its employees and customers.

CSR Monitoring

ARB works relentlessly in ensuring that the corporate social responsibility is followed. It regularly monitors and administers all the CSR initiatives. The company works in tandem with CSR consultants to gauge its performance in the area of CSR and sees to it that all the CSR activities are running smoothly and effectively. Based on the past performances of the activities, it devises new CSR initiatives and work on its implementation



Grand Business Carnival

6 co located events and one Grand Business Carnival for Metal, Machinery and Manufacturing industries

- HTF - for **Advanced Hand Tools, Power Tools and Fasteners**
- CWE - for **Advanced Cutting and Welding Equipment & Technology including Laser Technology**
- IMEX - for **Latest Machine Tools** (CNC, Laser, Shot Blasting, Measuring & Testing Equipment and more.....)
- UMEX – for **Economical Pre-owned machinery in the industry**
- World of Metal – for **Mineral, Metal, Metallurgy & Materials**
- TECHINDIA - for **Engineering and Manufacturing** (Pumps, Valves, Compressors and more.....)



A Sneak Preview

- Expected Presence of **500+** leading Exhibitors from **15+** countries
- **4 Open Seminars**
 - > *Hand Tools, Power Tools & Fasteners Know-How*
 - > *Advancements In Cutting & Welding Equipment*
 - > *Machine Tools: Bringing Depth to Manufacturing in Industries*
 - > *Technology Innovation for Metal & Metallurgy Industries*
- Various New Launches by exhibitors.



Business Connect Program

- Market News & Views, a weekly e news alert program covering Industry Updates ,Launch of New Technologies , Partnership Opportunities , Industry Views, CSR activities
- International Business Networking Program (IBNP) a monthly webinar covering key industry across Indian as well as some neighboring countries including China, Taiwan, Bangladesh, etc
- Open Seminars during the event, a unique opportunity to have face to face interaction with industry leader and knowledge transfer



Contact Us



Hyve India Private Limited

(CIN. U92490DL2004PTC124343)

Innov8, 2nd Floor, 44, Regal Building

(Above Madame Tussauds Wax Museum)

Outer Circle, Connaught Place, New Delhi-110001, INDIA

Email: ed.india@hyve.group

Website: india.hyve.group, www.hyve.group



3-5 SEPTEMBER 2021 at Bombay Exhibition Centre, Mumbai, India

SOME LEADING COMPANIES AT THE EVENTS

Teksmithe Steel Solutions

Teksmithe Steel Solutions was Established in year 2011, we provide the Equipment, Technology & Consultancy services to the Iron & Steel Industries all over the world. our organisation have the team members, highly experienced in the field of Iron & Steel Industries, from the year of our establishment we have commissioned & technically assisted more the 25 Hot Rolling Mills worldwide & we are achieving the new milestone every year. we have a dedicated team of engineers having vast experience in designing & management of hot rolling mills. with our experience & advance knowledge in long steel product mills, we are able to provide the solutions for plant engineering as per customer's need & requirements. we are constantly focusing on the research & development of the steel making process .

Teksmithe Steel Solutions Caters Creative Assistance in details with such specific areas as:

Engineering Designing For:

- Plant & Process Layout Covering All Infrastructure Details
- Equipment Design & Manufacturing
- Utility Design.
- Re-Heating Furnace (Pusher Type / Walking Beam / Walking Hearth).

- Process Automation & Design.
- Electrical System Design.
- Roll Pass Design.
- Slit Rolling.
- Housing Less Rolling Mill Stands.
- Hot Shears & Cold Shears.
- TMT & Section Processing.
- Steel Plant Project Management:
 - Cost Estimation & Control
 - Planning & Scheduling.
 - Procurement & Controls.
 - Supervision during erection & construction.
 - Supervision for Commissioning.
 - Assistance during Operation.
 - Technical Services After sales.



ARB Bearings



Market News & Views ARB is an everlasting company. Since the last three decades ARB is a trusted

brand from automobiles to industrial machinery to household appliances. With experience of over 40 years, we have been able to define our perfection in manufacturing and processing techniques to meet our client's requirements in forms of providing them the best and reliable quality.

ARB has well equipped automatic plants with modern and sophisticated machinery to provide perfect technology to its clients. Today we are proud to have four world class manufacturing plants and we are manufacturing more than 1500 size of bearings.

ABB feels proud today for its global presence being the pivot of all the machinery across the world.

Our sole aim lies in the satisfaction of our esteemed customers, ensuring permanent growth and economic prosperity based on long term and mutually profitable relations.



Renny Strips Pvt. Ltd.

Renny Strips Pvt. Ltd. is counted amongst the most reputed and trusted firm since 1996. We located our business headquarter at Ludhiana, the Industrial Hub of India. Mr. Dev Gupta and Mr. Binny Gupta are the Co-founders of the Company. We are engaged in manufacturing a wide range of Wire Rods, Billets, Fasteners, Scaffolding and Thread Bars. Leveraging on the use of the latest and advanced tools and machinery.

We are able to design these products as per the specific requirements of our eminent customers. Owing to our expertise in this domain, we have become proficient in offering our clients a superior grade range of products. That has optimum efficiency and size, rust-proof, easy maintenance & longer service life. The guidance of our directors has enabled us to carve a niche for ourselves in this domain. It is because of his vast industry experience and sharp business.

Infrastructure & Facilities

We have a highly advanced and well equipped manufacturing unit, which is supervised by skilled professionals. These professionals have rich industry experience and consistently upgrade the machines, as per the latest technologies. Apart from the advanced production unit, our infrastructure is also divided into quality testing, research, and development, manufacturing, etc. Our set up also has a

large warehouse that enables our persons to store the bulk quantity of products and though meets the needs of the customers. Our sections are

- Manufacturing
- Quality Controlling
- Warehousing & Packaging
- Logistic & Administrative



Velmoc International



Velmoc international is the premier provider of high-quality and innovative power tools and its consumables. We have been

at the forefront of delivering best in class tools that boast of high-quality and standards. Our products are duly tested for unwavering quality, reliability, durability, and performance.

With years of experience and know-how in the field of designing and development of Power tools, and accessories.

ARE YOU STILL USING OLD AGE TOOLS?

Switch to wide range of pocket friendly best performance tools and its consumables presented by our company in Velmoc & Supertech Brand.

Vision systems and Robotics engineering- Vision systems ensure shipments are free from all defects, reduce waste through early detection of process errors, and reduce the quantity of scrapped components. robotics and intelligent material handling systems helps to optimize production to accurately match process speed and positioning.

Industrial Automation Products- Cotmac is an authorized distributor partner for Siemens automation, Siemens switchgear, Lapp Kabel, Omron, Phoenix Contact, Eplan, Cognex and Siemens process Instrumentation.

Megatherm Induction Pvt. Ltd.



Megatherm deals in Metal Heating & Melting Equipment and possesses the strength to meet

Thermal Challenges through Induction. In 1989 we sparked off, banking on our team of Electro Thermal Processing experts and the capital of experience that we had gathered since the 1970. We made our presence felt across steel, Foundry, forging and various other Metal Working Sectors, surging forward with spirits held high and the fire burning within. Today, Megatherm is recognised and preferred by its ever-extending list of domestic and International Clientele. Our installations are spread over 40 countries around the globe. Megatherm is committed to customer delight and performance excellence. We have invested in progressive in-house R&D which in turn has yielded both profit and praise for the company. On an aggregate we are nearing 3000 customers of Electro Heating equipment till date. Megatherm is differentiated from other manufacturers primarily due to product innovation & continuous R&D. Over the years Megatherm has led the way for most major design changes and additions to induction technologies which was later incorporated by the industry. Our research is focused and our systems are incorporated with the best contemporary technologies that ensure optimum utility and comprehensive productivity.

Megatherm Induction Pvt. Ltd.: -

- Manufacturing of all Induction melting & heating products
- After sales service for induction products
- Engineering of all products
- Turnkey projects
- R&D Lab
- Training Centre
- Testing Facility
- Infrastructure: Newly inaugurated plant on 15 acre plot in (Kharagpur, WB, close to IIT KGP) of which 7 acres have been developed. Covered area of 1,30,000 sq ft

SuperTech



Begin new with SuperTech! We are synonymous with state of the art power tools that set the standards in precision, performance and durability. Compared to leading brands, we are the preferred choice of customers who trust our products and prices. From the stone and marble industry to carpentry, we are a brand of high recall and trust.



Presenting **HIGH QUALITY POWER TOOLS** FROM SUPERTech

Begin new with SuperTech! We are synonymous with state of the art power tools that set the standards in precision, performance, and durability. Compared to leading brands, we are the preferred choice of customers who trust our products and prices. From the stone and marble industry to carpentry, we are a brand of high recall and trust.





...and many more



...and many more

Thank You

COMBATING
COVID-19

Basic
Protective
Measures



USE FACE MASK



CLEAN AND DISINFECT



WASH YOUR HANDS
FREQUENTLY



KEEP DISTANCE
FROM OTHERS



AVOID TOUCHING
EYES, NOSE OR MOUTH



STAY AT HOME
WHEN YOU ARE SICK