News and Views

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INDUSTRY NEWS



Major boost to India's COVID-19 vaccination drive: Nearly 11 lakh doses administered on March 4

With the government on March 2 allowing all private hospitals with adequate facilities to administer COVID-19 vaccine doses, the vaccination drive has seen a big jump in the last two days. The union ministry of health and family welfare in its order had asked states and UTs to utilise 100 per cent capacities of private hospitals functioning as COVID vaccination centres (CVCs). In a significant achievement, 10.93 lakh vaccine doses were given to beneficiaries till 7 pm on March 4 and while close to 10 lakhs were given on Wednesday.

Notably, the vaccination drive has seen a jump of around 5 lakh doses per day. As per the health ministry, a total of 1,77,11,287 vaccine doses were administered till 7 pm on March 4.

AS per the latest data available, 68,38,077 health care workers (HCWs) have taken the first dose and 30,82,942 HCWs have taken the second dose. Besides this, 60,22,136 frontline workers (FLWs) have received the first dose and 54,177 FLWs the second dose. The Centre said that 14,95,016 beneficiaries more than 60 years old and 2,18,939 beneficiaries aged 45 and above with specific co-morbidities have also received the first dose of the vaccine.

India launched its vaccination program on January 16, 2021. The government has so far approved the use of Bharat Biotech's COVAXIN and Covishield manufactured by Pune-based Serum Institute of India partnered with Oxford University.

India's coronavirus vaccination drive ramped up after the government allowed private hospitals not under AB-PMJAY, CGHS and State Insurance Schemes be also utilised as CVCs.

Following a detailed discussion on the status of vaccination in various states/UTs, the governmnet to utilise "100 per cent capacities of all private hospitals empanelled under Ayushman Bharat-Pradhan Mantri Jan Arogya Yojana (AB-PMJAY), Central Government Health Scheme (CGHS), and State Health Insurance Schemes to enable them to effectively function as COVID Vaccination Centers (CVCs)."

Private hospitals not empanelled under the above mentioned three categories have also been permitted to operate as CVCs if they have adequate number of vaccinators, adequate space for observation of the vaccinated, adequate cold chain arrangement and adequate arrangement for management of AEFI. States/UTs can proactively make efforts to use these private hospitals as CVCs, the health ministry said.

- Timesnownews.com

With first dose, PM Modi joins ranks of world leaders vaccinated against Covid

Prime Minister Narendra Modi, 70, on

1st March became one of the few prominent world leaders to have received the vaccine against the coronavirus disease (Covid-19). Among the Group of 20 countries, PM Modi is only the ninth leader to receive at least the first shot of the Covid-19 vaccine.

Among the first was Israeli Prime Minister Benjamin Netanyahu, 71, closely followed by US President Joe Biden, 78. Netanyahu was the first Israeli to be inoculated. He was administered the vaccine developed Pfizer-BioNTech on live TV as the Prime Minister said he wanted to set a "personal example" to encourage other Israelis to get the shot.

Biden received his first shot of the Pfizer-BioNTech vaccine in December last year, a month before being officially sworn in. He also took the vaccine on live television to counter vaccine hesitancy in the US, which is the worst-affected by the virus in the world, in a marked contrast to the mixed messages sent by former president Donald Trump. "I'm doing this to demonstrate that people should be prepared when it's available to take the vaccine," Biden had told reporters in Newark, Delaware, where he got the jab. "There's nothing to worry about." He received the second jab in early January.

PM Modi's first jab follows that of Australian Prime Minister Scott Morrison, who also took the Pfizer-BioNTech vaccine.

"Pleased to get my #COVID19 vaccine today along with Australia's CMO Professor Paul Kelly to give further confidence to Australians in these vaccines, which have been tested and approved by our medical experts, are safe and effective," PM Morrison, 52, wrote on Twitter after receiving the shot in late February.

Saudi King Salman, 85, received the first dose of the Pfizer vaccine in early January, three weeks after the kingdom started its vaccination programme. The country's health ministry said the inoculations would be rolled out in three phases, starting with people over 65 and those with chronic ailments or at high risk of infection.

His son, Crown Prince Mohammed bin Salman, considered the defacto leader of the country, was administered the vaccine in December. After the crown prince, 35, received his first jab of the Pfizer vaccine, registrations in Saudi Arabia to receive the vaccine increased five-fold, according to minister of health Dr Tawfig Al-Rabiah.

In January, President Alberto Fernandez, 61, received the first dose of the Russian-made Sputnik V Covid-19 vaccine in January, a day after Argentina's health regulator cleared the vaccine for use among those aged 60 and above.

Turkish President Recep Tayyip Erdogan also received the first dose of a vaccine in January in front of TV cameras. He received a shot of the Chinese-developed Sinovac. "I believe it will be vital for political leaders and deputies to encourage the vaccination drive (by getting vaccinated) themselves," Erdogan told reporters after receiving the vaccine.

Indonesian President Joko Widodo, 59, also received his first dose of the Sinovac vaccine in January, after the country approved the vaccine and began its efforts to vaccinate the population. He was vaccinated along with top leaders across the country and even social media influencers in an effort to encourage people to take the vaccine when it is available to them.

South African President Cyril Rampahosa was one of the first citizens to vaccinated, in January, with the one-shot Johnson & Johnson Covid-19 vaccine, which was also rolled out for health case workers. His vaccination was broadcast on live TV to build confidence among people. At the time, Johnson & Johnson was not authorised anywhere in the world and Ramaphosa effectively joined an observational study by taking the jab.

– Hindustan Times



Indian government officials are touting a homegrown vaccine over AstraZeneca's

A wave of government ministers in India this week got vaccinated with a locally produced COVID-19 jab from Bharat Biotech after Prime Minister Narendra Modi took the shot on Monday morning. The injections came before Bharat Biotech announced an efficacy figure for the first time on Wednesday. The company said in a press release on Wednesday evening that its vaccine is 81% effective in preventing COVID-19 infections after conducting an interim analysis of phase III trial data.

"Got my jab. For the curious, it was [Bharat Biotech's] #Covaxin," Subrahmanyam Jaishankar, India's minister of external affairs, said on Twitter on Monday evening. "Felt secure, will travel safely."

India's government approved Covaxin, the COVID-19 vaccine produced by Bharat Biotech, in January even though the efficacy of the vaccine was unknown. Bharat Biotech's vaccine is likely safe, according to Phase I trial data from a small group of volunteers that the company published in the peer-reviewed medical journal The Lancet. But until Thursday, Bharat Biotech did not publish data saying that the vaccine is effective in preventing COVID-19 infections. Still, the vaccine seems to have won the full support of the Indian government.

"Made-in-India vaccines are 100% safe," Indian Health Minister Harsh Vardhan said after receiving the vaccine on Tuesday. In his statement about getting the vaccine, Minority Affairs Minister Mukhtar Abbas Naqvi also said it was safe. "I appeal to all those, who are eligible to take the vaccine, to get vaccinated and make India Corona free," Abbas tweeted after getting the vaccine Tuesday.

Bharat Biotech said Thursday that it reached the 81% figure because 36 people got infected in a placebo group versus seven in the group that got vaccinated in its 25,800 person trial. The company said that it will continue the trial until there are 130 confirmed COVID-19 cases among participants.

"Today is an important milestone in vaccine discovery, for science and our fight against coronavirus," Bharat Biotech chairman Krishna Ella said in the statement. "With today's results from our Phase 3 clinical trials, we have now reported data on our COVID-19 vaccine from Phase 1, 2, and 3 trials."

Before the announcement, it was unclear how much the Indian public trusted Bharat Biotech's jab in comparison to India's other approved vaccine, which was developed by AstraZeneca and Oxford University and is being produced locally by the Serum Institute of India. The AstraZeneca jab is 62% effective against COVID-19 infection.

Government data shows that 12% of the 12 million Indians who have been vaccinated so far have received the Bharat Biotech jab, according to Reuters; the rest received AstraZeneca doses. In total, India plans to inoculate 300 million of its 1.4 billion people with COVID-19 vaccines by August.

Before Bharat Biotech announced the

efficacy figure, scientists were skeptical of India's decision to roll out and promote a then-unproven vaccine and reject another, Russia's Sputnik V vaccine, which was proven effective.

- Fortune



World leaders thank PM Narendra Modi as India sends COVID-19 vaccines to 47 countries

India has supplied over 4.64 crore made-in-India COVID-19 vaccine doses to 47 countries as of Thursday (March 4). The outreach has won New Delhi a lot of goodwill from the global community.

Of these, 71.25 lakh doses have been supplied as gifts, while over 3.93 crore have been sold commercially.

The list of countries that received vaccines includes both developed and developing countries, from Africa to the Caribbean to ASEAN nations and to the neighbourhood as well. Canada has received 5 lakh vaccine doses till Wednesday. The Pune-based Serum Institute of India will be sending 1.5 million more doses of the Covishield vaccine. In a tweet, India's envoy to Canada Ajay Bisaria said, "India is proud to support Canada's vaccination programme as a strategic partner."

- Zee News







Indian economy on 'upswing'; govt set to spend more along with pro-growth reforms: Panagariya

India's economy is on an "upswing" and the government's plans for increased spending comes in the backdrop of pro-growth reforms, former Niti Aayog Vice Chairman Arvind Panagariya said on Tuesday even as he opined that it might take longer to become a USD 5 trillion economy due to the coronavirus pandemic-induced disruptions.

The eminent economist described the government's decision to privatise two public sector banks next fiscal as an "unprecedented" effort to "finally right a wrong done 50 years ago".

He was apparently referring to former Prime Minister Indira Gandhi's move to nationalise banks. Panagariya, who is currently a Professor of Economics at the Columbia University, said the country's GDP growth in October-December 2020 quarter returned to a hair's breadth above its level a year ago.

"At 0.4 per cent, the year-on-year growth in GDP may seem low but given the large negative growth during the preceding two quarters ((-)24.4 per cent during April-June and and (-)7.3 per cent during July-Sept), the quarter-on-quarter growth momentum is very strong," he said.

According to him, there are signs that the government is clearing past arrears at an accelerated pace and has also provided for doubling of government expenditure in the current quarter over the same quarter last year.

"These facts would help boost demand and give further impetus to growth at a time when the economy is on the upswing... So the news on the growth front is very encouraging," he said.

To a query on whether it will be feasible now for India to achieve the target of becoming a USD 5 trillion economy by 2024-25, he said that given the unexpected COVID shock, "we may have to wait a year or two longer".

In 2019, Prime Minister Narendra Modi envisioned to make India a USD 5 trillion economy and global power house by 2024-25.

The pandemic has hit the economy hard and the country's GDP is projected to contract nearly 8 per cent in the current fiscal ending March.

On whether he is in favour of reviewing the 2-6 per cent target inflation band, Panagariya said, "I would favour revising the target up by 1 percentage point".

In the past, he said the Monetary Policy Committee (MPC) had been quite reluctant to let the inflation rate rise above 4 per cent even though it has the room up to 6 per cent and was quite comfortable with the inflation staying around 2 per cent.

"Healthy GDP growth requires greater room for prices to adjust. Besides, enterprises draw up investment plans based on the growth of profits in nominal terms," he said, adding that the government wants low inflation to protect the poor but what matters for the poor is food inflation over which the RBI has very little control.

The inflation target for the Reserve Bank of India's MPC for the next five years starting April is likely to be notified around mid-March. The current medium-term inflation target, which was notified in August 2016, ends on March 31.

On the government's proposed asset reconstruction company and asset management company, Panagariya said, "one or the other way, we need a rapid clean up of NPAs".

If the government can move swiftly to set up the bad bank and take out the bad assets from the bank balance sheets, it will be a major step in the right direction, he said. "If it (government) cannot do that fast, it should be prepared to recapitalise the banks on a much larger scale than currently provided." Replying to a question on fiscal expansionism, Panagariya said if the

government had chosen to only expand

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spending to boost growth, ratings agencies may have seen it unfavourably.

"But the increase in spending has been proposed in the backdrop of a large number of pro-growth reforms, including a massive privatisation programme and creation of a "Bad Bank" to clean up NPAs," he said.

Noting that the rating agencies look at what the government does holistically than focus on just one indicator such as fiscal deficit, he said, "I see no danger from the ratings agencies".

On agitation by farmers against the new farm laws, Panagariya pointed out that discussions on APMC reforms are now 20 years old and every central government since Prime Minister A B Vajpayee has promoted the reforms.

Further, he said that the Parliamentary Standing Committee on Agriculture called for the reforms as recently as December 2019 and nearly all farm organisations had also called for these reforms at one time or the other.

"In the end, the solution will have to be worked out through discussions and negotiations," Panagariya opined.

- The Economic Times



WHO chief supports waiving covid-19 vaccine patents

World Health Organization (WHO) directorgeneral Tedros Adhanom Ghebreyesus has said he supports the temporary waiving of covid-19 vaccine patents to enable countries to manufacture and sell vaccine copies at reduced cost. "I don't believe that globally we're exercising our full manufacturing muscle at present. For example, some manufacturers have not been able to produce successful vaccine candidates, which is to be expected, but their production facilities could be repurposed for those vaccines that have been proven to work," he wrote in the Guardian. "Waiving patents temporarily won't mean innovators miss out. Like during the HIV crisis or in a war, companies will be paid royalties for the products they manufacture."

World Trade Organization member states are set to discuss a proposal by India and South Africa next week to waive rules on intellectual property for covid-19 drugs and vaccines. Worldwide, 265 million doses of covid-19 vaccines have been administered, with 80 per cent in just 10 countries, said Mike Ryan, executive director of the WHO's Health Emergencies Program, during a social media Q&A on 3 March.







Weekly e-news Alert Program - 'Market News & Views'

This is a regular program which 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



TNPL's Profit After Tax (PAT) Jumped 37 percent in FY-19-20, Phase-I of MEP to be commissioned by May 2021

India is considered as the fastest-growing market for paper in the world with an average annual growth of 6%. The domestic consumption is expected to rise to 25 million tonnes by 2020-21. The slowdown and softening of demand during the current year resulted in reduction in sales volume. However Tamil nadu Newsprint And Papers Ltd. (TNPL) in comparison with past years achieved better sales realisations as well as production levels and improved efficiency across all areas of operation.

The Annual report of TNPL for FY 19-20 says that, as part of its growth plan, TNPL is

implementing a Mill Expansion Plan (MEP) in the Unit II to take the mill capacity from 2,00,000 to 3,65,000 tpa. As part of the MEP, TNPL will be installing a modern Hardwood ECF pulp mill and a Paper Machine.

Report further informs that. Implementation of Phase 1 of the project comprising Pulp Mill and associated Recovery island, is in progress and is targeted for commissioning by May 2021. The systems being installed in this project will embrace latest technology with least environmental impact Towards this, the Mill will be installing a latest generation continuous cooking system, employing total collection and incineration of Non-condensable gases to make the mill odour free, reduce and recycle water to the maximum extent and energy-efficient Chemical Recovery Boiler and black liquor evaporators. These new technologies will further strengthen the company's ambition to maintain the leading position with thrust on water conservation and Environment protection.

PERFORMANCE HIGHLIGHTS OF THE YEAR Operations:

1. The Company's turnover during the year 2019-20 is Rs. 3437.60 crore.

2. Profit before tax is Rs. 190.53 crore and Profit after tax Rs. 130.03 crore.

Printing and Writing Paper:

3. During the year the Paper production was 3,92,250 MT.

4. Achieved Paper sales of 3,78,022 MT during the FY 2019-20. Domestic Sales accounts for 81% and Exports at 19%. Packaging Paper Board:

5. The packaging paper board plant production was 1,72,776 MT during the financial year 2019-20, equivalent to 86% of capacity.

6. The packaging paper board sales during the year 2019-20 was 1,71,785 MT. Domestic Sales accounts for 97%.

7. 3,30,358 tonnes of Hardwood, chemical Bagasse Pulp and Deinked Pulp were produced during the year.

8. The paper & pulp mill have implemented various water conservation projects and reduced the overall consumption of water to 35 KL/per ton of paper which is one of the lowest in paper industry.

PROJECTS UNDER IMPLEMENTATION Mill Expansion Plan of TNPL Unit II:

As part of its growth plan, TNPL has embarked on a Mill Expansion Plan (MEP) to enhance the capacity of TNPL Unit II by 1,65,000 MT per annum, by installing a Paper Machine along with captive pulping facility, at an estimated capital outlay of Rs.2520 Crore. The formal Environment clearance for the project was received from the Ministry of

project was received from the Ministry of Environment, Forest and Climate Change (MOEFCC), New Delhi, vide its order dated April 04, 2019.

TNPL has proposed to implement the project in two phases as below:

• Under Phase 1, the HWP line with a capacity of 140,000 MT per annum with the following scope shall be set up

• Under Phase 2, the Paper Machine of 165,000 MT/annum along with a Power plant shall be implemented following commissioning of Phase 1. The Phase 1 of

the project will feature installation of a stateof-the-art chemical hardwood pulping along with chemical recovery facility and augmentation of service utilities viz., Captive power plant and Waste water treatment plant. The financial closure of Phase 1 of the project was achieved in October 2019.

Towards implementation of Phase 1 of the project, the company has completed ordering of all the major, long delivery plant and machineries like Hardwood Pulp Mill, Chemical Recovery Boiler, Black liquor Evaporator, 20 MW Turbo Generator, Air Cooled Condenser, Lime Kiln, Recausticizing plant, etc. The Contractor for carrying out the civil construction works for the project, has been finalized.

The modern waste water treatment plant in TNPL Unit II enables utilization of the entire waste water generated from the mill to be used for irrigation in TNPL's own lands to an extent of 575 acres. In the plantation area, drip irrigation method is deployed to raise more than 6 lakh trees, with various varieties of fruit bearing, flowering, avenue trees including some pulpwood species. Installation of additional sheeting facility in Unit II To cater to the sheet orders of the Paper boards, the company planned installation of an additional sheet cutter of capacity 100 tonnes/ day, at a capital outlay of Rs.10 Crore. A state of-the-art sheet cutting machine was ordered on M/s. Milltex, Italy. The sheet cutter was delivered in July 2019, as scheduled. The machine has since been erected and commissioned during October 2019. With this facility, the Unit II is able to cater to the growing sheeting demand

of the market.

Conservation of Forest wood through ecofriendly Raw Material:

TNPL is built on the concept that

environment should be protected for the benefit of present and future generations. TNPL has perfected the technology of manufacturing writing and printing paper from bagasse, an agricultural residue and consumes one million tons of bagasse per annum. The mill has used about 7,25,391 MT of depithed bagasse during the year as the primary raw material for production of 1,41,765 MT of bagasse pulp during the year 2019-20 has facilitated conservation of about 6.3 Lakh MT of pulpwood.

Similarly, TNPL has produced 73,372 MT of Deinked pulp using waste paper as raw material thereby conserved about 3.2 Lakh MT of wood in the year 2019-20.

TNPL is sourcing wood through its Captive plantation and Farm Forestry model and also from Tamil Nadu Forest Plantation Corporation. The unit has raised pulp wood in 20,444 acres during 2019-20 totaling about 1,67,715 acres of land covering various parts of Tamil Nadu under through its Captive Plantations and Farm Forestry schemes. Further, pulpwood is certified by both Forest Stewardship Council Forest Management (FSC-FM) and Forest Stewardship Council Chain of Custody (FSC-COC) which ensures that paper manufacture from wood is managed socially and environmentally in a responsible way.

- The Pulp and Paper Times

Andhra Paper: Drawing its future by merging capabilities; reported INR 212 Cr. net profit in FY 19-20

International Paper APPM Limited has become Andhra Paper Limited (APL). With the acquisition of Andhra Paper Limited (APL) by West Coast Paper Mills Limited (WCPM), the company is on a

transformational journey to further consolidate its leadership position in the Indian Paper Sector. West Coast Paper Mills Limited (WCPM) and APL coming under the same corporate umbrella is a significant event in the history of Indian Paper Industry. WCPM comes with over five decades of experience in the paper industry. With WCPM's industry knowledge and the welldefined management processes imbibed from previous promotor, APL is poised to succeed in its strategic pursuits.

"Driven by our focus on growth drivers and operating principles, we have delivered another inspired financial performance for the FY 2020. We achieved this performance despite having lost 25 days (YoY) of production for undertaking major boiler maintenance work, and lower sales off-take in March 2020 due to COVID-19 lockdown. With strong cash reserves and improved ROIC, the company is well-posed to meet the future challenges and explore new growth avenues," said Mr. Shree Kumar Bangur, Chairman & Managing Director of West Coast Paper Mills Limited in the annual reports of APL for FY 19-20. The Reports unfolds APL's vision for sustainability, it's said that being India's one of the largest pulp & paper manufacturing units and recognizing our environment responsibilities towards our stakeholders, we embarked upon an ambitious journey to identify global trends, material to our business and developed long term sustainability goals around it. Our long term sustainability goals termed as "Vision 2030 Goals" are built around our key growth drivers: (a) Sustaining fiber source (b) Investing in people and (c) Improving our planet. Company is fully committed to promote Sustainable Development by continuously improving Environmental, Social and Economic performance related to its business activities.

"Our capital spend budget carries a significant amount of spend towards quality improvement projects. During the year, APL further scaled up its customer support processes and systems to add excellence in delivery. This helped serve the customer better, improve customer satisfaction and retain and attract more customers," Mr. Bangurinformed.

The Indian paper industry segmentation comprises of Writing and Printing (W&P), Cartonboard, Containerboard, News print and Specialty papers. The Writing & Printing segment, in which Andhra Paper operates, accounts for 30% of the industry capacity. This segment is growing at the rate of 3-3.5% Overall the industry have grown at the rate of 5-5.5% over a period of last 5 years. Performance Review: During the financial year 2019-20, the manufacturing facility of APL at

Rajahmundry has been shut down for 25 days (YoY) during the months of July/August 2019, due to Annual Outage, thereby resulting in loss of production and sales. COVID-19 outbreak and lockdown thereafter from last week of March 2020 had also impacted the above parameters.

During the year, the Company registered an EBITDA of 25% as compared to 28% for the previous financial year. However, the Company registered a Profit After Tax of 17% for the financial year as compared to 14% for the previous financial year, due to adoption of new tax regime provided under Section 115BAA of the Income Tax Act, 1961.

During the year, APL recorded the sales volume of 213,615 MT, as compared to 238,729 MT in 2018-19. The sales volume was impacted due to loss in production on account of extended 25 days of scheduled maintenance shutdown and drop in sales due to nationwide lockdown on account of ongoing pandemic. Of the revenues, 12% were from exports (previous year 16%) with domestic sales accounting for the balance 88%.

"We started our Manufacturing Excellence (ME) initiatives in the year 2013. Our continued and consistent efforts in implementing and executing the programme helped in improving pulp productivity and overall paper machine efficiency (OME). The Company also made significant gains in fibre, energy and chemical costs. As in the earlier years, deliberate and continuous efforts were made to become a low cost producer, raising the operating efficiencies and optimizing material consumption," Mr. Bangur said.

Overall, the Manufacturing Excellence initiatives helped improve the mill reliability, increase the productivity, reduce the overall cost and improve profitability.

Mr. Bangur further said that, looking ahead, our long-term outlook for the sector continues to remain positive, with the current phase seen only as an aberration. The management has taken the opportunity of the last few months to re-examine the business and operating models. Upon assessment of the short term and long-term prospects, a series of initiatives have been set in motion aimed at sustainable growth while minimising the adverse impact of economic cycle.

- The Pulp and Paper Times



AF&PA releases new guide to further advance paper recycling: 'Design Guidance for Recyclability for Paper-based Packaging'

Building on the sustainability success of paper based packaging and recycling, the American Forest & Paper Association (AF&PA) released a new tool, The Design Guidance for Recyclability, a data-driven resource to aid packaging designers and brands in the design and manufacture of packaging to meet recyclability goals. The guide provides data on how certain non-fiber elements, such as coatings and additives, impact the recyclability of paper-based packaging.

"Paper recycling is a circular economy success story. Increasingly, consumers are seeking more sustainable packaging, and as a result, brands are challenged to add more recyclable packaging to their portfolio. Combining our industry's track record on paper recycling - meeting or exceeding a 63 percent recycling rate since 2009 - along with AF&PA's industry data and statistics, this guide will be a true asset to those seeking to innovate around sustainable packaging. I am confident that a deeper understanding, as to the complexities brands and packaging designers face in balancing design and performance with recyclability, will further advance paper recycling innovation," said Heidi Brock, AF&PA President and CEO. The findings in the report are the result of an AF&PA member survey of company mills in a range of sectors in the United States and Canada. The survey had a 75 percent response rate. In total, data for 86 mills was reported.

The study included corrugated packaging, bleached and unbleached paperboard cartons, carrier stock cartons, Kraft paper bags, multiwall shipping sacks and molded fiber containers. The study examined numerous non-fiber elements including inks and dyes, adhesives, tapes and labels, coatings and barriers, metals and plastics, foils, wet strength, and non-tree fibers. Key findings include:

Non-fiber elements may present a recycling "challenge" when they slow down the mill's pulping process, plug screening systems or leave residue on finished paper or paperboard. However, innovations in packaging design and materials, as well as improvements in recycling technology, have made these treatments easier to recycle than historically. Being a "challenge" does not mean "not recyclable." Each non-fiber element applied to each kind of packaging was rated by some mills as not a "challenge."

"This technical guidance is not meant to be mandatory or a standard for the packaging industry. Rather, it is an information tool to help individuals and organizations that specify and design packaging to better meet a customer's recycling needs," said Brian Hawkinson, AF&PA's Executive Director of Recovered Fiber. In addition to data about the impact non-fiber elements have on packaging recyclability, the report includes resources about the recycling process, standards and testing facilities and insights from mills on specific non-fiber elements.



International Paper to sell Kwidzyn Pulp and Paper Mill in Poland to Mayr-Melnhof for EUR 670 Million

The Kwidzyn mill employs approximately 2,300 people and has the annual capacity to produce 740,000 metric tons of folding boxboard, uncoated freesheet, specialty kraft papers, and market pulp on four machines. On December 3, 2020, International Paper announced its intention to spin off its Printing Papers business into a standalone, publicly-traded company in order to focus on its corrugated packaging and absorbent fibers businesses.

The sale of Kwidzyn provides an opportunity for International Paper to realize a premium value and significant incremental cash proceeds, but otherwise does not change its plans for the proposed spin-off. International Paper will engage in a consultation process with the appropriate employee

representatives and expects the transaction to close in the third quarter of 2021, subject to customary closing conditions and regulatory approvals.

Mayr-Melnhof Group has agreed to acquire International Paper (Poland) Holding sp. z.o.o. for a debt and cash free amount of around EUR 670 million and additionally assuming ca. EUR 33 million of usufruct and operating lease liabilities according to IFRS treatment. The acquisition of Kwidzyn forms part of MM's strategy to grow in high quality virgin fiber based cartonboard with innovative, sustainable and cost effective FBB grades.

At its integrated pulp and paper site in Poland, Kwidzyn operates a pulp mill with an annual capacity of around 400,000 t and four integrated cartonboard / paper machines: The flagship is a FBB board machine with 260,000 t annual capacity. In addition, Kwidzyn has recently entered the MF kraft paper segment through the conversion of one of its paper machines to serve the growing demand for flexible fiber-based packaging products. Production of this machine is increasing up to an annual capacity of 75,000 t. Finally, Kwidzyn operates two of the most attractive copy paper machines (UWF) in Europe with an annual total capacity of 410,000 t.

– Papnews



Baumer introduces FFG go

Baumer has introduced FFG go for glue application in flexo folder gluers. This latest member of the company's 'go' product line offers simple, intuitive operation, but meets a variety of sophisticated demands on noncontact gluing in the corrugated industry. Developed for applications requiring gluing only, all the 'go' products achieve an excellent price/performance ratio. They give customers entry-level access to the world of Baumer and its products, in operation in thousands of systems around the globe, demonstrating their capabilities and reliability every day. The FFG go is a perfect addition to this family.

The FFG go can operate 2-bead application heads based on DLK go technology for simple applications, or a 3-bead configuration based on P-500 technology for more demanding tasks. These multiapplication heads can be flexibly adapted to customer requirements and are currently in use in over 1,500 flexo folder gluers around the world, according to Baumer.

The heart of the system is the Xact FFG go controller, backed by the latest software and hardware technology. Its range of functions is geared entirely to the gluing process giving customers the option of applying dots or lines. Programming the individual glue beads via the intuitive menu-driven interface couldn't be easier - or more reliable - for machine operators: All they have to enter on the touchscreen is the top flap dimensions and the flap length. The Xact FFG go also supports gluing on angled or slotted flaps. With its Glue Save mode, the FFG go further ensures sustainability and cost efficiency. This function converts the system from continuous to intermittent gluing, which can reduce adhesive consumption by up to 50%, without compromising the adhesive strength of the glued areas.

"With the Xact FFG go, machine operators can limit setup to the most essential settings, but they don't necessarily have to, because the new controller gives them the option of entering any additional settings required for a production order in

subsequent menu levels. When it comes to programming glue patterns and parameters, the Xact FFG go basically offers all the functions of our higher-end Xtend range," says Andreas Schneiders, corrugated business development manager at Baumer.

The Packman



Rave Scans installs Bobst Ambition 106 A2

Delhi-based printing and packaging company Rave Scans has added a Bobst Ambition 106 A2 folder-gluer to increase its production capacity. The folder-gluer can handle most box styles, including four and six corner folding cartons, and light corrugated board. A part of VK Global Group, Rave Scans is a fast-growing commercial offset printer, which was founded in 1993. Over the past two decades, it has acquired several offset litho presses and bookbinding equipment. In 2014, the company invested in a full-sheet X-Y scanner for guality control, along with new converting equipment from Bobst and other suppliers. At the same time, it entered into the rigid box segment.

"Rave Scans has always been associated with the best technology within each of its segments and our various Bobst installations have maintained that tradition," said Namit Jain, director, VK Global Group. He added that the company already has a Bobst Novacut 106 E die-cutter with stripping and a Bobst Visionfold 80 A2 folder-gluer.

"In our short printing experience, we have gained insight into the premium quality of the Bobst machines. With our expanding business, the expectation of timely delivery coupled with top-notch quality became our priority. So naturally, we decided to expand our inventory with another Bobst foldergluer."

Under the leadership of Rahul and Rohit Jain, VK Global Group was established as a publishing house, having over four decades of leadership in the area of economics and commerce. With the goal of diversification, the group ventured into another niche area of packaging to specialize in creating 3D effects using holographic films and fresnel lenses. The business offshoot, established in 2014, caters to the international market.

VK Global Group's acquisition of Rave Scans in October 2018, via the National Company Law Tribunal resolution proceedings, is its most recent business venture. VK Global has been successful in transforming Rave Scans into a profitable production house, promising structured and systematic growth by building a respectable clientele within the FMCG and pharmaceutical space.

The new management is a strong advocate of employing state-of-the-art printing technologies to help customers create a clear differentiation in an otherwise competitive marketplace. Combining its expertise across the board, VK Global has created a novel business capable of delivering completely recyclable end products by integrating Fresnel lenses and other holographic effects. Rave Scans boasts a collection of excellent machinery in all aspects of production. Having created a name for itself in the packaging space, it converts about 200 tonnes of board each month for its packaging clients and an estimated 1,000 tonnes of paper in the commercial space.

- The Packman





Toscotec to Supply Tissue Machine for \MEPCO's New Tissue Mill in KAEC

Toscotec and MEPCO (Middle East Paper Company) have signed a turnkey supply contract for a high efficiency AHEAD 2.2L tissue machine. The tissue machine will have a production capacity of over 60,000 tons per annum of tissue jumbo rolls, covering a wide range of basis weights. The AHEAD 2.2L machine features a TT NextPress shoe press with an upgraded design, a third-generation TT SYD Steel Yankee Dryer, and top efficiency TT Hood-Multigen with cogeneration integrated air system.

Toscotec will supply the new line on a turnkey basis, including two OPTIMA 2600L slitter rewinders designed to ensure superior bulk and softness preservation. The manufacture of the machinery will take place in Lucca, Italy starting from the first quarter of 2021, and is expected to complete within 12 months. The test-run of the new line is scheduled in the first quarter of 2023, followed by commercial production. MEPCO announced entering the tissue jumbo roll manufacturing in December 2020. A lucrative opportunity to fill a significant import gap in the local market, which enjoys population growth and high GDP per capita, but limited local supply.

Sami Safran, CEO of MEPCO, commented: "This is the first milestone in our new tissue project. We are progressing according to the planned timeline. Signing the machinery supply contract with Toscotec puts us at comfort about the product quality and efficiency, which are essential to position our products perfectly in the market. We think big, and have an ambitious vision to realize. MEPCO enjoys an international reputation for being among the lowest cost producers of containerboard. With the expertise of its management team, it has a concise plan to extend its cost efficiency techniques to the tissue manufacturing business. With Toscotec as our partner of choice, I am looking forward to realizing the maximum potential of this milestone project".

Alessandro Mennucci, CEO of Toscotec, said: "We are delighted to receive a new order for a state-of-the-art turnkey operation from such an important group as MEPCO. It is also a milestone for Toscotec, who is entering the Middle East market with an advanced highspeed tissue line designed to manufacture premium quality tissue, with a high level of energy efficiency ensured by the integration with the cogeneration system".

– Paper Mart



NEW TECHNOLOGIES

SPAC Starch Products India Ltd

Tapioca Starch A Grade



We manufacture Tapioca Starch A Grade from quality Tapioca tubers in a modernized plant to suit the needs of market segments such as Paper, Packaging, Textile, Adhesive and many more Industrial applications.

Maize Native Starch



The product is very consistent in quality. Maize native starch possesses special features such as non-foaming & non-thinning characteristics in boiling solutions. Hence maize starch has a marginal effect on the efficiency in weaving and paper industry, where high viscosity starch is used, it imparts higher tensile strength to the fiber and thus improves the sizing.

Oxidized Starch – SPAC OXY



SPAC OXY - The Oxidized Starch is derived from high quality maize / tapioca starch. It is widely used in paper manufacturing.

Cationic Starch – SPAC CATA



SPAC CATA-Cationic Starch is mainly used as wet-end starch. As the cationic starches are positively charged, they are easily attracted by the negatively charged cellulose fiber and fillers. As a result, fiber-to-fiber and fiber-to-filler bond gets increased.

SPAC Cationic Starch improves the retention of fines and filler to increase paper sheet strength. SPAC CATA is cationic wet end starch derived from high quality tapioca / maize starch.

SPAC CATA has been developed to provide the paper industry with consistent, cost effective quality product with a unique feature. It is used in the manufacturing of papers / Boards to increase the internal properties as well as the retention of fillers and fines.

SPAC SPRAY



We manufacture SPAC SPRAY - Spray Starch is derived from high quality Tapioca/Maize Starch.

It is widely used in paper manufacturing.

Yellow Dextrin - SPAC TRIN-YD



SPAC TRIN-YD Yellow Dextrin possess low viscosity, very sticky and hygroscopic in nature. Used in foundry as binder for cores. Yellow dextrin helps in increasing dry strength and at the same time completely soluble in water. It is also used in water soluble glues, as a printing thickener and as binder in paints.

PARTNERSHIP OPPORTUNITIES

There are many different ways of benefitting from the Paperex exhibition.

You can increase your company's exposure by becoming a Partner of the show, advertising in the exhibition's promotional materials, or simply visiting the show and gaining first-hand information about the new developments in the market and latest technology advancements. Branding gives an excellent opportunity to stand out from the crowd, reinforce, enhance and establish corporate visibility amongst the targeted audience. Branding 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 organisation 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





MEDIA SPEAK



Waste Paper: Can the prices be back again at pre-lockdown level in 2021?

The Pulp and Paper Times: The big question arrives before the Indian Kraft paper manufacturers that can the price of recycled fiber be settled again to the pre-lockdown level in 2021? The skyrocketed price of OCC waste caused by the global pandemic in 2020, is touching to new heights. Currently, Indian Paper mills are buying OCC waste between Rs. 20 and 21 per kg in various regions which is expected to witness a 10 to 15 percent more hike in coming months.

The major factor driving behind the waste paper scenario is that the Chinese paper industry is obtaining material through other channels, and that significant investment is in the works to sustain that material flow. Lots of paper mills projects are in the discussion stages in China. One recent example of significant new capacity in and around China is a \$4.6 billion investment by Nine Dragons. That facility will take in recycled pulp and produce paper products. The second factor, E-commerce has grown significantly during the pandemic. Mills outside India have converted equipment and retooled production as demand for printing and writing papers has decreased and demand for corrugated packaging has grown.

Greater demand for e-commerce boxes has boosted demand for the OCC that goes into them. Paper mill operators anticipate strong demand for corrugated packaging will continue to drive up prices for recovered fiber. Julie Albrecht, vice president and chief financial officer for packaging giant Sonoco, said OCC prices averaged \$71 per ton throughout 2020, and that the company anticipates OCC will increase to average about \$90 per ton this year.

The pre-lockdown price of waste paper was much in the comfort zone for Indian paper mills. The price stood at Rs. 8 to 10 per kg.

"It is very unpredictable that waste OCC price will be settled again at pre-lockdown level. Local waste paper price behaves according to imported OCC flow here in India, Imported OCC is still at higher side crossing 200 US \$ per ton," said Mr. Naresh Singhal, President -All India Waste Paper Dealers Association (AIWPDA)

"The time has gone that the price of waste paper would be settled again at pre-lockdown level. Imported OCC is coming at 240 to 250 US \$ per ton which is fuelling local waste paper prices here in India. We are expecting more hikes in local waste OCC in coming months, and it can jump up to 23 to 24 per kg," Said Mr. Harish Jindal, Managing Director-Nachiketa Papers Limited situated at Punjab (India).

"We haven't seen this kind of scenario in waste paper price in past ten years; no one can assume that price can witness such a 'skyrocketed' hike. We are anticipating Rs. 2 to 3 per kg more price rise in the future. Imported OCC is shaking dynamics of Indian local waste paper market leading to uptick," said Mr. Sumit Garg, Partner at Haripur Paper Company

Mr. Ashok Bansal, Director at N.R. Agarwal Industries Ltd. said that in the future recovered fibre market, the waste paper suppliers will not have one China, but we will have 10 small outlets together covering more than one China, India will be one of them. Because of this gradual change, its predicted that the Chinese import ban will not dramatically impact the scrap paper market in 2021. Instead, the market will be a stabilizing slowly.

Mr. Jindal gauges that even if the imported supply chain improves in the coming time, and the imported OCC price drops to a significant level, the local waste paper price will never touch to pre-lockdown level. It would settle around between Rs. 13 to 14 per kg as other raw material cost has also been increased like logistic.

"Generation was strong, but demand was also very strong," said Jeff Chalovich, president of corrugated packaging at WestRock. Pulp producers in India and other Asian countries increased OCC purchases from the U.S., Chalovich said, and "the overall recycled fiber supply domestically was adequate."

- The Pulp and Paper Times



ABB delivers drives for first modern pulp and paper production plant in Laos

ABB and international producer Sun Paper have completed the successful activation of a major drives project at the first modern pulp and paper site in Laos as part of an investment towards reaching an output of 1.2 million tons of pulp and paper annually.

The project, completed by ABB 18 days ahead of schedule despite the restrictions of the pandemic , represents Sun Paper's first overseas production base and supports China's Belt and Road Initiative, an important infrastructure development strategy.

As well as managing execution and installation, ABB provided its PMC800 multidrive system and ABB Ability [™] System 800xA distributed control system to keep production of the two 400,000 ton advanced packaging paper lines (PM1 and PM2) of high-end packaging paper running smoothly. The paper machines have a total installed power capacity of 41,000KW over 120 drive points for both machines and are designed for speeds of 1200m/min. ABB was awarded the project in November 2019, demonstrating its technical capabilities and domain expertise, and successful track record on a similar scope and scale.

Located in the Savannakhet Province of Laos, the digital transformation of the mill means it can now benefit from a fully integrated solution that drives higher system performance due to remote support capability, greater running availability, faster

start-up, optimization of the spare parts delivery and a more stable and easy operation overall.

"The successful and timely delivery of this large-scale execution from our China Pulp and Paper team proves ABB's deep process control application expertise and our capability to deliver paper machine modernization projects across the Southeast Asia region," said Liu YueMing, ABB Pulp and Paper Lead, North Asia and China.

"Considering that overseas projects can sometimes be complex, we are pleased that this has been such a smooth and efficient start-up, especially as it took place when Laos was implementing the most stringent measures during the pandemic."

- PULPAPERnews.com



Sappi Europe announces price increase for Packaging and Speciality Papers

Sappi Europe announces a price increase for all its Packaging and Speciality paper grades by 7 - 11 % valid for deliveries from 1 April 2021.

Sharply rising input costs, particularly relevant to pulp and energy in combination with very high freight rates due to global logistic constraints make price increases unavoidable.

The Sappi sales team will be in contact with its customers to discuss the detail and support the implementation, taking into account individual existing agreements.

- PULPAPERnews.com



Covid-19 drives recycled tissue makers toward virgin fiber streams

The Covid-19 crisis has resulted in significant structural changes in recycled fiber stream collection and availability due to the move toward work from home. In particular, sorted office papers (SOP)/mixed office waste (MOW) generation has been significantly reduced with some estimates suggesting that collection of this stream has declined by 30-50%. Supply shortages and rising MOW prices are the result. In the current market conditions, many recycled fiber (RF) tissue makers are either having to supplement their fiber supply with virgin content or, in some cases, having to switch over completely. Moving your base sheet fiber mix from RF to virgin presents both opportunities and challenges to the tissue maker.

Fiber differences

The fiber that most tissue makers are turning to is southern cone Eucalyptus (EUC). EUC is known for possessing advantages in product handfeel characteristics over recycled fiber, but it is significantly more expensive than the deinked pulp streams that integrated tissue mills produce from MOW. It is worthwhile to ensure that if more expensive virgin fiber must be used, it is done in a way that maximizes benefits and minimizes

operational upsets so that production efficiency and quality can be maintained. This article will concentrate on the two key areas where operational and quality impacts result from the fiber mix changes and best practices to deal with them.

Refining considerations

The first thing to be understood is the difference in basic fiber characteristics. The cell wall thickness and overall fiber length is vastly different for EUC vs the northern hemisphere hardwoods that are used to manufacture office papers. This difference is much greater for the softwoods. Replacing MOW with eucalyptus results in a drastically different base fiber. This difference means the tissue maker has to adjust the way he generates strength. The initial temptation is to achieve the strength needed via higher refining intensities, but the following negatives cascade from this approach: increased fiber cutting, higherfines generation, increased dusting and sheet densification, reduced caliper/bulk and decreased softness. Fines also reduce drainage and increase the drying load on the tissue machine. Where drying capacity is limited, this can result in reduced production capacity.

The negative impact can be reduced but not eliminated with lower intensity refining, however this approach requires more available refining capacity, or in some cases, completely different equipment. The best way to circumvent this problem is to employ an enzyme-based technology to modify the fiber. This technology allows for maximum fibrillation of the fiber with minimal input of refiner energy. The result is the ability to maximize tensile generation without the fiber cutting.

he tissue maker gets the strength required while preserving bulk to basis weight, absorbency and handfeel, all of which suffer when the base sheet is densified.

Coating impact

The second area of the process that is significantly impacted when substituting recycled fiber for virgin is the difference in what is referred to as "natural coating." Natural coating is the soluble and colloidal material coming from the wet end that remain on the Yankee dryer once all of the water and other volatiles have evaporated. Organic (applied) coating is the synthetic adhesive sprayed onto the dryer that acts like cement in concrete, gluing the aggregate (rocks and sand in concrete and fillers/fines in a coating) together.

The natural coating is an important part of the Yankee coating matrix that affects machine runnability, creping efficiency and sheet quality. Generally, natural coating will account for 50% or more of the total coating matrix on the dryer surface so it is expected that changes in natural coating level will be seen and felt at the dry end. Different fiber sources and mill closure rates result in differing natural coating levels.

RF furnish contributes a high level of a hard natural coating. In order to manage coating hardness with RF, it is not uncommon to see release-to-adhesive ratios from 3:1 to as high as 5:1.

Replacing RF with virgin EUC will reduce natural coating levels in the water circuit of the tissue machine, and this will have an impact on the Yankee coating build rate, hardness and performance. When moving to EUC, previous add-on rates and ratios cannot be supported. The EUC will contribute much less natural coating, and the nature of that natural coating is much softer. As a result, the tissue maker will need to tighten the releaseto-adhesive ratio from where he normally runs with 100% RF. If this action is not taken, the substitution will result in a thinning of the coating.

Potential creping process issues and remedial actions when moving from RF to virgin include:

• Picking. Coating is too hard or there is a lack of coating thickness to allow the

blade to get under the sheet. Adjust ratio or increase overall add-on.

- High Blade Wear. Generally, need to increase adhesive/reduce release to build coating to protect the blade.
- Sheet Plugging. Likely that adhesion is high, but coating is too thin. The sheet is sticking directly to the dryer. Adjust to build a thicker coating for the blade to swim in.
- Uneven Profile. Decrease release as coating is likely stripping in high moisture or cooler areas.
- Flashing/blistering. Decrease release/increase adhesive to set coating on dryer to pick up sheet.

- Papnews

#PaperIsGoodAgain with Trident Copier Paper

Advocating for guilt-free use of paper, Trident Group has launched a digital campaign #TheGoodPaper to showcase its environment-friendly range of copier paper. Responsibly manufactured, Trident Copier Paper, a SUPERBRAND in India, has the unique advantage of being made of wheat straw and veneer chips (carpenter waste), making it – The GoodPaper.

The use of wheat straw, which is essentially the agro waste left after wheat harvesting translates into extra income for over one lakh farmers in India who supply it to Trident. Through this method, Trident Paper is able to save 1.82 million trees from being cut every year, thereby reducing carbon emission through its highly advanced manufacturing process.

Trident has released the first part of a threepart film series campaign which aims to normalize not feeling overridden by guilt while using copier paper. The film is a tribute to the farmer who is seen surprising his daughter with her favourite doll. He is able to provide for his family because of the extra income he has generated with the sale of the wheat straw. While a young kid by using Trident paper has unknowingly contributing to the betterment of the environment. Divya Dutta, the highly talented Bollywood and National Award winning actress has lent her emotive voice to these finely crafted stories.

Speaking on the launch, Mr. Abhishek Gupta, Vice Chairman, Trident Limited said, "At Trident, we are committed to the cause of responsible manufacturing as we believe that business is not profit-making machinery divorced from the societal and environmental context in which it operates. We are immensely proud of what we have been able to achieve with Trident Paper but most of all we are grateful to be able to contribute to the lives of farmers of the country. We are excited to share this film series with the world and hope that it encourages our audience to do their bit to help the environment and choose the good paper."

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India Expo Centre, Greater Noida, Delhi- NCR, India

Paperex is the largest paper industry event in the world and it takes place in New Delhi, India.

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And the mass audience of Paper Traders, Printers, Publisher, Converter and Paper Packaging Companies to explore the variety of papers at the show



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- Learn new trends by attending technical conference by IARPMA
- Network with industry leaders at "Global Paper Technology Supplier" pavilion
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- 5000+ trade visitors from 20+ countries including 142 paper mills across India
- Visit "Paper Manufacturer" networking pavilion
- Engage with the leaders at "Exclusive Paper Mills CEO/MD Conclave"

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

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SOME LEADING COMPANIES AT THE EVENT

SPAC Starch Products India Ltd



We are one of the largest manufacturers of Tapioca, Maize & Modified Starches in India.

SPAC Starch Products (India)

Private Limited was established in May 1996 to manufacture Tapioca Starch and expanded with integrated manufacturing facility for Maize & Modified Starch Units along with 4.5MW Captive co-gen Power Plant in the year of 2013.

The only company in India having 3 independent Plants for Tapioca, Maize & Modified Starches in a single location with 4.5MW Captive co-gen Power Plant.

Quality of our Tapioca & Maize Starch (Native and Modified Starches) are at par with International Standards.

Quality unmatched with any other Indian starch manufacturer.

Our Manufacturing Facility

- Our annual manufacturing capacity is more than 1 lakh MTs of starch with a daily crushing capacity of 800 MTs of Tapioca and 350 MTs of Maize.
- State of the Art technology for immediate conversion of tapioca tuber and maize to starch.
- We deliver customize Products as per Customers' specific applications / requirements.

Quality Control

- Processed water meeting Industrial Standards, is used for the entire manufacturing process.
- Well-equipped In-process QA and R&D Laboratory with latest testing facilities.
- Stage wise in-process control
- Hands-free technology to deliver food / IP grade starches.

Quality Assurance

- All our products are under-going stringent quality tests and approved by SPAC Quality Assurance Team.
- We always upgrade ourselves in-terms of producing quality products through GMP (Good Manufacturing Practices).







Galaxy Sivtek Pvt. Ltd.



Galaxy Sivtek, an ISO 9001 : 2015 company, is leader in manufacturing industrial sieves, separators and filters to achieve

high quality products and ensure that your powders, granules and liquids are free from contamination and foreign particles. We also offer genuine after market spares to ensure that your production lines are always running. We have experience of more than 25 years in design, development, manufacture and customization of Vibro separators and have 10000+ successful projects under our belt.



Aditya Polymers

(22) ADITYA POLYMERS

Buying and Sourcing Mineral Processing

Aditya Polymers Located at Pune, Maharashtra, India, we " Aditya Polymers," are AN ISO

9001:2008 certified company engaged in manufacturing and exporting a wide range of Adhesives for Packaging and Woodwork Working Industry.

These include Lamination, Labeling, Paper Conversion, Starch (Dextrin) based and Wood Working Adhesives.

Marketed under the brand name of these are manufactured using quality PVA, VAM and additives to ensure excellent adhesion properties, solvent and temperature resistance.

We have with us advanced infrastructure facilities which is equipped with advanced machines like reactors, mixers and filtration machines to ensure effective production. Further, we also have with us advanced lab testing equipment which helps us to conduct stringent quality checks on our wide range of Adhesives before supplying it to our clients. Our organization is headed under the able guidance of Mr. Niranjan who has 25 years of experience in this domain.

His strong business acumen and knowledge has enabled us to carve niche for ourselves in the domestic as well as international markets of UAE and South Africa.

- Promoted by Young qualified Professionals Highly experienced in the Adhesive Field
- Company having National and International Marketing / Technical Info network
- Access to global trends in Adhesive / Gum manufacturing to give best value for your money
- Ideally located Plants in the heart of Industrial Area
- Proven expertise in developing Customised Adhesives / Gums

OUR CREDENTIALS:

The Company has been ISO 9001:2008 Certified by TUV, AUSTRIA

OUR PHILOSOPHY :

- ➡ To give Ideal Pasting Solutions with Customization
- ➡ To give Technically Superior Products with High Consistency
- ➡ To give Best Value for Money
- → To give Commitment of Quality and Delivery to each Customer
- ➡ To offer World Class Products and Services and to excel in the Adhesive field
- → To give Confidence for Long Term Business Association with Customers
- → To give Proactive Services to our Customers and realize his future needs
- ➡ To give Technological Service back up for his end Uses and Applications
- → To give Continously Upgraded Products with Economic Pricing
- ➡ To give Best Products, Best Quality, Best Price, Best Service first time & every time





...and many more











CLEAN AND DISINFECT



WASH YOUR HANDS

FREQUENTLY





FROM OTHERS





AVOID TOUCHING EYES, NOSE OR MOUTH STAY AT HOME WHEN YOU ARE <u>SICK</u>