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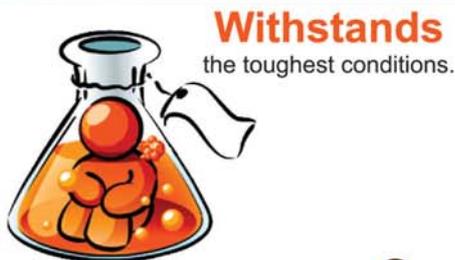
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Dear Friends,

Wishing all of you a happy New Year 2015

I once again share with you some new thoughts which I gathered from an interesting book. An American executive went to see a Japanese car assembly line. At the end of the line, the doors were put on the hinges, the same as in America. But one step was missing in Japan. In America, workers would take rubber mallets and tap the edges of the door to ensure that it fit perfectly. In Japan however, the philosophy was to make sure it fits when they designed it. The Japanese didn't examine the problem and accumulate data to figure out the best solution – they engineered the outcome they wanted from the beginning. If they didn't achieve their desired outcome, they understood it was because of a decision they made at the start of the process. What the American automakers did with their rubber mallets is a metaphor for how many people and organizations lead.



There are those who decide to manipulate the door to fit to achieve the desired result and there are those who start from somewhere very different. Though both courses of action may yield similar short-term results, it is what we can't see that makes long-term success more predictable for only one. The one that understood why the doors need to fit by design and not by default.

In everything we do, we need to ask ourselves one simple question. The answer to this is most difficult. It demands deep, structured and brewed thoughts. We need to ask ourselves the question --WHY do we do WHAT we do?

We make assumptions about the world around us based on sometimes incomplete or false information – we make decisions based on what we think we know. Do we really know why some organizations succeed and why others don't, or do we just assume? If things don't go as expected, it's probably because we've missed one. More data, however, doesn't always help. There are other factors that must be considered, factors that exist outside of our rational, analytical, information-hungry brains. It's only when we ask truly answers the question WHY, do we dedicate ourselves to sincerity, focus and commitment towards the achievement of our professional and personal goals.

I heartily welcome you to January issue of the Monthly Magazine and Wish you all an Evolutionary, Happy and Contented Year!

Happy reading

Warm Regards,

Manish Kr. Bhaia

Editor

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P RESIDENTIAL L ADDRESS



Dear Friends,

The year 2015 has started with hope that the reform process initiated by our new government will move forward, the share market will reach new highs, inflation will be subdued, interest rates will fall, Haldia Petrochemicals Ltd will re-open and many more positive changes will take place.

At the beginning of this year Plastindia 2015 exhibition will be held at Gandhinagar, Gujarat from February 5-10, 2015. Arrangements have been made for IPF members to get entry passes in the exhibition at discounted rate and many members have already availed this facility. We are confident members visiting Gandhinagar will benefit from the experience in the exhibition.

It has been a season of investment summits hosted by states as chief ministers roll out the red carpet to court investors with the aim of eventually boosting jobs. Bengal Global Summit – Bengal Leads 2015 was held on 7th & 8th January 2015. The Summit held at Salt Lake Stadium, near Hyatt Regency, Kolkata was an excellent platform to understand the potential of West Bengal in various sectors and also provided a platform to interact with policy makers, industry leaders, and top level Government officials.

Closely following Bengal Summit 2015, Vibrant Gujarat 2015 was held from 11-13, January 2015 at Mahatma Mandir, Gandhinagar. Its objectives were similar to the Bengal Summit 2015 i.e. to sell the state as the best investment destination in India to national and international business leaders.

A desire to showcase a state's strengths is something that cuts across political dispensation in the States. While all MoUs may not translate into investments on the ground, such summits provide an opportunity for both investors and governments to engage each other and reach realistic conclusions. The buzz around performance of different states is also healthy for democracy as it nudges voters to prod the political executive into doing better. Competition is as effective in politics as it is in economics. India's vibrancy depends on the initiatives taken by states and hopefully we will see more of competitive federalism in the years ahead.

With best wishes for a Happy New Year 2015,

Warm Regards,

A handwritten signature in black ink, appearing to read 'Pradip Nayyar'. The signature is stylized and fluid, with a large loop at the top left.

Pradip Nayyar
President

From the Desk of Hony. Secretary



Dear Members,

I Wish all members a Very Happy and Prosperous New Year 2015. May your business reach new heights in the coming months.

The year 2014 has been an eventful year for the Federation. After months of working the 'Bhumi Pujan' of our IPF Knowledge Centre (IPF KC) was held in the midst of a gathering of high officials from industry and government. Much progress has been made in the construction of the Centre with the ground floor almost complete. Once completed our KC will be a milestone in the history of the plastic industry in India and IPF will have the credit of being the first association in India to have built a KC.

Countdown for Indplas'15 – 7th International Exhibition on Plastics at Science City, Kolkata to be held from November 27-30, 2015 has started. The on-line booking of stall has started and industry response is very warm and encouraging. We have already received many confirmed bookings. We have started approaching industry to promote their brand by becoming sponsors to Indplas'15. It was only after May 2014 that the work of Indplas'15 was taken up and in a short span of time we have made big progress. This time more emphasis is being given to international participation and two foreign agents have been appointed for doing this work. They have also receive many bookings from Overseas exhibitors. Indplas team has also visiting various international exhibitions held abroad with a free barter booths for promotion of Indplas'15 and the response we have been receiving is very encouraging. I would request all members to support our own Indplas exhibition by becoming sponsors and exhibitors to this exhibition.

After the suspension of operation of HPL in July '14 many members were inconvenienced due to short supply of polymers and purchase of the same at a higher price from outside the State, we are confident that operations in HPL will resume soon and the inconvenience faced by processors will overcome in New Year

For developing better relationship amongst the plastics fraternity, members sponsored IPF Cricket League, Holi & Diwali Meets. These were very successful events with large participation of members. The last IPF Cricket League match was held on 27th December 2014 at Geetanjali Stadium, Kolkata where members along with their families were invited to see the match. Arrangements for breakfast, lunch and snacks was arranged for the invitees.

As the New Year has started we are preparing our calendar of events for this year also. Events are in the pipeline and once dates are fixed members will be informed of the same.

Wishing all members a New Year 2015 once again.

With Best Wishes,



Ashok Jajodia
Hony. Secretary

HALDIA PETROCHEM SET TO REOPEN, LENDERS TO INFUSE FUNDS

Banks have decided to infuse funds after Purnendu Chatterjee, chairman of The Chatterjee Group, agreed to invest Rs 100 crore as margin amount into the ailing plant, sources say.

The imbroglio over the Haldia Petrochemicals (HPL) project might end soon, with the plant reopening, as lenders have agreed to infuse fresh funds into the loss-making company, whose net worth has eroded completely. This follows a meeting of the board of directors on Sunday. An announcement in this regard during the Bengal Global Business Summit will be a face-saver for the Mamata Banerjee government, under fire for closure of industries and inability to attract investment in the state.

According to a source, banks have decided to infuse funds after Purnendu Chatterjee, chairman of The Chatterjee Group (TCG), agreed to invest Rs 100 crore as margin amount into the ailing plant. TCG is one of the principal promoters of HPL, along with the West Bengal Industrial Development Corporation (WBIDC). "Lenders will agree to infuse funds when the promoter shows interest. Now that he has agreed to bring 10 per cent of the cash, we are ready to pay the rest," said the source. He said the management had asked for

Rs 1,000 crore to buy naphtha, the main feedstock.

The main lenders to HPL are Industrial Development Bank of India, State Bank of India, Punjab National Bank, ICICI Bank and Industrial Finance Corporation of India. The banks will tread with caution and will lend the total money in tranches. "The lenders don't want HPL to become a non-performing asset, so they have decided to lend money but in instalments and only after judging the performance of the plant," said the source. The prospect of the plant reopening has become brighter due to the falling price of naphtha, its main raw material, in the world market. Operations were suspended since July 7 due to a shortage of working capital, though the official reason was a technical snag in the naphtha cracker unit. According to a company official, the plant is completely fit to reopen. "Since TCG has now agreed to pay the margin amount, the fresh funds should be used to buy fresh feedstock rather than paring debts," he said.

With the plant set to reopen, all eyes would be on TCG, to assume management control after the Competition Commission of India gave its nod to the proposed share transfer agreement with WBIDC. TCG had agreed to buy 520 million shares (30.8 per cent of the equity) of WBIDC at Rs 25.10 each, matching the price offered by Indian Oil Corporation after the government invited an Expression of Interest last year.

Source : Business Standard

AMERICAS STYRENICS CUTS PS PRICES

As unexpected headlines go, "Polystyrene maker announces 9-cent price decrease" isn't quite up there with "Cleveland Browns win Super Bowl." But it's close.

In a short Dec. 31 news release, PS maker Americas Styrenics LLC announced it would drop prices for all grades of PS by 9 cents per pound on Jan. 1. No reason for the decrease was cited in the letter from the firm, which is based in The Woodlands, Texas.

North American PS prices fell a total of 12 cents per pound in the final four months of 2014, as prices for benzene feedstock fell more than 20 percent to less than \$4 per gallon after peaking in July. But thanks to price hikes earlier in the year, regional PS prices were down only a net of 1 cent per pound for the year, according to the Plastics News resin pricing chart.

Market watchers told PN that they expected the 9-cent January price drop to take hold in the broader market — especially since Americas Styrenics is one of only three major PS makers remaining in the region.

Although resin makers typically announce price increase attempts via letters to customers or in news releases, it's rare for them to do the same where price decreases are concerned.

Through November, U.S./Canadian sales of solid PS were down almost 3 percent, according to the American Chemistry Council.

Source : Plastics News

MEXICAN COMPANY SAYS IT HAS A BETTER WAY TO RECYCLE PLASTICS

A company in Mexico is claiming it can recycle plastics without water through a new process that reduces production costs by half.

Ak Inovex says its process does not require liquids and can handle a variety of types of plastics.

The technology created by company founder Marco Adame “can process more than 90 percent of any type of plastic, avoids water waste and reduces production costs by half without reduce the quality of the pellets,” the company claims.

The company was part of Cleantech Challenge Mexico.

Source : Plastics News

INTEPLAST CREATES NEW UNIT TO FOCUS ON GROWTH IN MEDICAL DISPOSABLES

Film packaging giant Inteplast Group Ltd. is raising its profile in the medical market by forming a new business unit.

Inteplast Healthcare consolidates several subsidiaries that provide medical disposables ranging from patient utensils to biohazard waste

bags. Inteplast Group is betting the new unit will attract customers who could exploit the sourcing and procurement synergies the new unit could provide.

Core to the new business unit is Medegen Medical Products, acquired this past summer from Medical Action Industries Inc. of Brentwood, N.Y. Inteplast Group claims Medegen Medical is the largest U.S. producer of injection molded plastic patient bedside items such as urinals, pitchers, emesis basins and bedpans. It also manufactures sharps containers and graduated measures.

Other parts of Inteplast Healthcare are Minigrip zipper and specialty medical bags, and Integrated Bagging Systems division and Interplast/Pitt Plastics, which together produce a range of bags, including can liners and laundry bags.

Inteplast Group, based in Livingston, N.J., claimed in a Jan. 6 news release that its new unit will offer “the broadest selection of patient bedside plastics, measurement and collection, and waste containment products in the marketplace.”

Inteplast Healthcare will be led by Charles Kelly, former president of patient care products at Medical Action and recently named president of Medegen Medical. Bennett Hellming, former general manager of Minigrip Commercial, is the new vice president of sales for Medegen Medical.

“Our experienced nationwide sales force, extensive network of

distributors, and relationships with major healthcare group purchasing organizations give us a strong foundation upon which to grow,” explained Inteplast Group President John Young in a news release.

“We are developing new products, adding to our existing product line, and look forward to offering broader private label manufacturing as well,” added Kelly.

Inteplast Group ranked third in Plastics News’ recent survey of North American film and sheet producers with estimated sales of \$2.2 billion in 2013. Its other products include corrugated plastic board, cleaning disposables, foamed PVC sheet, plastic lumber and plastic concentrates.

Source : Plastics News

NEW EXTRUSION COATING DIE FROM NORDSON CORPORATION HELPS ELIMINATE EDGE BEAD FOR FLEXIBLE PACKAGING

An extrusion coating die designed to reduce edge bead has enabled a South Korean producer of aluminum foil and foil-laminate flexible packaging to eliminate edge bead, as well as reducing coat width variation by half or more, it was announced by Nordson Corporation.

After a die for applying low

density polyethylene (LDPE) on an existing production line for flexible food packaging had been causing problems with die lines and leakage, Korea Aluminium Co. Ltd. recently replaced it with the Nordson Extrusion Dies Industries Edge Profile Control (EPC) die.

The new die has not only eliminated the previous problems but has also made it possible to address the issue of edge bead and the waste of coating and substrate material that results from it, according to Jeonghyeon Heo, Senior Manager of Korea Aluminium's headquarters facility in Chungbuk, South Korea.

While the degree of edge bead reduction achievable with the EPC die depends on a number of factors, the reduction in the Korea Aluminium coating line was 100%. "We are now manufacturing product with zero edge bead," he said.

In addition, Mr Heo noted that the EPC die reduced coat weight variation by 50 to 60%. "Thickness uniformity was +/-2-2.5 microns with the old die, but with Nordson's EPC die uniformity has been improved to almost +/-1 micron."

The EPC unit installed on Korea Aluminium's coating line was a manual die, according to Sam G. Iuliano, Nordson Extrusion Dies Industries Chief Technologist.

"The 4-5% range of variation from target coat weight is very good indeed for a manual die," he said. "With an automatic die, the range could easily be cut in half."

An EPC die includes an external

deckle as a secondary seal to prevent leakage and an internal deckle system that sets coat width and seals polymer at the die exit. Internal deckle parts provide independently adjustable components that seal off the internal flow channel and can be positioned to set the overall coating width and to minimize edge bead.

Similarly, a manual or automated system for adjusting a flexible lip of the die makes it possible to maintain coat weight uniformity.

Internal deckle systems used for fine-tuning the edge profile of a coating are effective because of the tendency of molten polymer to exhibit transverse flow if lateral barriers to flow are removed at the die exit, according to Nordson.

In the EPC die, the internal deckle components for adjusting the edge bead profile are located upstream of the lip land - one in the primary manifold section, the second in the preland area.

Source : China Plastic & Rubber

AXION RECEIVES ORDER FOR 300 STRUXURE HEAVY CONSTRUCTION MATS

Axion International Holdings announced that it has received a purchase order for more than 300 STRUXURE Heavy Construction Mats from Spartan Mat, a producer of crane mats, timber mats, laminated mats and composite mats for construction works.

The order consists of 45"x16', 18' and 20' mats that will be sold and rented across the US into civil, oil and gas projects. The mats are being made on a new assembly line in Axion's Texas, US-based manufacturing plant.

"There is a tremendous opportunity for our STRUXURE Heavy Mats in diverse applications across the oil, gas and various civil infrastructure projects," said Axion's Executive Vice President for Building Products Dave Crane. "Many field trials show that our mats outperform hardwood mats and offer many other benefits over them."

Axion's Heavy Mats are suitable for temporary support surfaces under active heavy equipment with tracks or treads in wet and harsh-temperature environments. As said, the product is estimated to last five times longer than hardwood alternatives.

"Axion builds great construction mats that fill a niche in our matting portfolio. Their mats work very well for our customers and are increasing in demand," commented Justin Thelin, Founder of Spartan Mat. "The expansion of Axion's production and service capability in Texas will allow Spartan Mat to generate new revenue."

According to Axion, STRUXURE Heavy Construction Mats are produced with the company's patented recycled-polymer technology. They are strong, durable and resistant to rot, fungus, insects, and moisture.

Source : China Plastic & Rubber

PRICES OF OIL PLUNGES BELOW US\$ 50

NEW YORK -- The price of oil plunged again Monday and fell below \$50 a barrel for the first time since April 2009 as evidence mounted that the world will be oversupplied with oil this year.

Benchmark U.S. oil dipped to \$49.77 before closing down \$2.65, or 5 percent, to \$50.04 a barrel. Brent crude, a global benchmark used to price oil used by many U.S. refineries, sank \$3.31, or 5.9 percent, to \$53.11.

In June of last year oil traded above \$107 a barrel. But rising production outside of OPEC, especially in the U.S., boosted supplies just as weakness in the global economy slowed the growth in oil demand. OPEC's decision in November to maintain existing production levels accelerated the rout in oil prices.

Slower growth in China's economy, a driver of oil demand in recent years, and a strong dollar, which makes oil more expensive for holders of foreign currencies have also pressured oil prices.

On Monday Citigroup cut its forecast for 2015 global oil prices as a result of high supplies. Citigroup analyst Ed Morse wrote in the report that the first half of this year will bring "a step-up in oversupply, more volatility, and turmoil."

Morse reduced his forecast for global crude to an average of \$63 a barrel for 2015, down from \$80 a barrel.

Drillers around the world have already begun to trim exploration budgets and delay new projects as a result of low prices, but production from existing fields will continue and keep supplies high.

The last time U.S. oil traded below \$50 was April 29, 2009.

The low oil prices have led to sharply lower fuel prices for shippers, airlines and drivers. Morse equated the drop in global oil prices to a \$1.6

trillion stimulus package for the world economy.

On Monday the U.S. national average price of gasoline fell to \$2.20 per gallon. That's \$1.12 cheaper than last year at this time and the lowest since May of 2009. The Energy Department estimates the drop in gasoline prices will save U.S. households \$550 this year.

Source : The Associated Press

DOWNWARD PRESSURE ON POLYMER PRICES

Prices for all standard thermoplastics fell in December.

PLASTICS PRICE REPORT (€ TONNE)

Market Price			
PRODUCT	NOV.'14	DEC'14	
HIGH DENSITY POLYETHYLENE (HDPE)			
Injection moulding	*1300-1340	1270-1310	▼
Film (extrusion) grade	1345-1385	1330-1370	▼
Blow Moulding	*1340-1370	1315-1345	▼
LINEAR LOW DENSITY POLYETHYLENE (LLDPE)			
Film grade (butene-based)	1405-1445	1385-1425	▼
LOW DENSITY POLYETHYLENE (LDPE)			
Film grade	*1410-1450	1390-1430	▼
POLYPROPYLENE (PP)			
Raffia film	*1410-1450	1360-1400	▼
Homo injection	*1375-1415	1325-1365	▼
Copolymer injection	*1430-1470	1385-1325	▼
POLYSTYRENE (PS)			
General purpose	1850-1890	1730-1770	▼
High impact injection	1935-1975	1815-1855	▼
POLYVINYL CHLORIDE (PVC)			
Pipe grade	1140-1340	1120-1320	▼
High quality grade	1220-1470	1200-1450	▼
POLYETHYLENE TEREPHTHALATE (PET)			
Bottle grade	1160-1220	1130-1190	▼
Commodity resin pricing data based on average net prices for standard grades delivered in western Europe to large Consumers in 20-25 tonne lots.		* Revised since last edition.	

L/LDPE

L/LDPE producers managed to pocket some of the cost relief in November to achieve a small profit gain. They were hoping for a repeat scenario last month. Although the monthly ethylene contract price tumbled by a further €50/tonne most producers were targeting a price rollover.

L/LDPE price settlements were however down by €15-20/tonne during the first two weeks of December trading, meaning that once again producers were managing to swell their profit margins.

The less than expected price reduction is largely attributable to supply shortages. Several crackers remain out of action as a result of force majeure. Meanwhile, polymer producers keep their existing production cutbacks in place.

Demand was less than expected in early December. Converters took a 'wait and see' approach with expectations of further price rebates at the start of the New Year.

HDPE

HDPE prices remained under pressure in December after the monthly ethylene contract price settled down €50/tonne. Producers once again attempted to retain as much of the cost reduction as possible to sustain their profit margins. Given the tight supply situation they were mostly successful for blown film.

Blown film grades saw price rebates

of only €5/tonne in early trading. For injection moulding and blow moulding grades, producers had to pass on just over half of the lower costs to converters.

Supply for blown film remains tight, which limited price rebates, while injection moulding and blow moulding availability was closer to normal. Imports of HDPE material were hard to find.

Demand for blown film grades was lively early December with blow moulding and injection moulding sales lower than expected. Many converters planned an extended holiday shutdown.

PP

Polypropylene producers were once again forced to offer sizeable concessions to buyers in the wake of a €60/tonne fall in the December propylene contract price. As was the case in November, early PP contracts were being settled at levels close to the monomer cost reduction.

PP producers faced a drop-off in domestic and export orders last month. Domestic demand softened as European converters ran down their stocks and prepared to close earlier than usual for the Christmas and New Year holiday period.

Furthermore, the decline in feedstock costs has dried up demand from Turkey and Africa, which were previously targeted by European producers.

On the feedstock side, material availability improved slightly between November and December

as two cracker plants resumed production. Several other crackers however, continue to undergo maintenance and PP producers keep production under control.

PS

The styrene monomer and benzene contract prices crashed in December with reduction of €150/tonne and €166/tonne, respectively. Producers tried to retain a sizeable share of cost reduction by asking for price rebates of between €100-110/tonne. However converters wanted a bit more. By mid-month most contracts were settled at slightly more than the price reductions that producers had asked for. There was additional pressure on high-impact grades following a €5/tonne fall in butadiene costs.

Styrene monomer availability has improved due to higher imports from the US and news that the Moerdijk refinery could soon be back on stream. Polystyrene was well supplied with all materials sufficiently available.

Lower prices sparked some interest from converters but most were reluctant to increase stocks towards the end of year and speculated that prices could come down further in January.

PVC

PVC prices came under further downward pressure in December after producers were forced to pass the entire cost relief onto converters in the previous month. In December, ethylene was down by a further €50/tonne, which implies a

proportionate €5/tonne fall in PVC production cost base.

Producers tried to keep as much of the cost relief as possible to bolster their under pressure profit margins. However, as supply lengthened and demand was subdued, they had little choice but to share a larger slice of the cost reduction than they would have liked with converters.

There were no reports of further production cutbacks or plant outages for the sector in early December. As inventories lengthened, producers sought to offload material into export markets.

Order intake remained on the low side with continued weakness in the construction sector.

PET

PET prices were under pressure in December following further reductions in feedstock costs, poor demand and better material availability.

As the December paraxylene contract price fell by €0/tonne and MEG was expected to settle down by €20/tonne, the PET cost base was around €40/tonne lower last month.

Producers attempted to hang onto as much of the lower costs as they could, but converters were determined to gain a fairer share of the cost reduction. By mid-month, bottle-grade PET resin prices were down by €30-35/tonne compared with November.

Producers continue to keep production cutbacks in place. Nevertheless, material availability

improved last month as a couple of maintenance turnarounds came to an end. There were also ample supplies of imported Asian material.

Demand was low as converters purchased only sufficient material to cover their immediate production needs.

Source : European Plastics News

EUROPEAN FLEXIBLE PACKAGING MARKET SET TO GROW

Germany-based research group Ceresana has produced a study showing that it expects the European market for flexible packaging to reach a volume of around 19.2 million tonnes by 2021.

The company highlights how flexible packaging offers good options for increasingly demanding consumer requirements, and due to this flexible packaging is replacing its rigid counterparts in many market segments.

Ceresana states its study includes not just packaging sold to end customers in retail stores, but also secondary and tertiary packaging, such as shrink and stretch films, which are used to store and transport goods. Heavy duty industrial packaging such as sacks or flexible intermediate bulk containers (FIBC) are also included. The study looks at packaging made from plastics, paper and aluminium.

The company points out how stand-up pouches are a big growth area for flexible packaging, and Ceresana attributes this to the use of low-weight composite films which reduces both resource consumption and transport costs.

Ceresana indicates that an increasing older population in Europe will see ready-dosed medications in single-portion packs become a big growth market area in flexible packaging.

The trend of consumers favouring convenience products is set to continue, says Ceresana. People spending more time at work and having less time to prepare meals has also accelerated the market for disposable sachets.

The research company states that on the materials side BOPP has become more and more important in flexible packaging. Although in Western Europe the market for BOPP films has performed weakly, demand is predicted to recover, with BOPET packaging continuing dynamic development especially in Eastern Europe.

When looking at estimating growth in pharmaceutical packaging, the company again cites how the average age in Europe is increasing, predicting therefore that the market will pick up speed. Following a decline in 2008 and 2009 in heavy duty and transport packaging, the market is envisioned to be in a position to capitalise on the increase

Source : European Plastics News

MTM PLASTICS ANNOUNCES PLANT EXPANSION

MTM Plastics, a plastics recycling company headquartered in Niedergebra, Germany, has unveiled a strategy to grow its operations. The company says that by the end of 2016 it plans to invest around €3 million (\$9.54 million) to expand its production facilities in Niedergebra.

The company, which produces recycled-content polyolefins from mixed plastic scrap, says the expansion will include the addition of 20 new jobs. The company is presently constructing two additional rooms that will extend its granulate warehouse. That project should be ready by February, 2015.

MTM currently produces around 30,000 metric tons of granulate in Niedergebra. Starting in 2016, the company will provide for an output of nearly 40,000 metric tons. For the planned growth in sales MTM says it will focus on higher volumes and on improved quality in order to gain a higher price for its granulates.

On completion of the new warehouses, MTM will shift its attention to enlarging the production area by around 20,000 square meters. The expansion means extending the present production space by 20 meters and demolishing the administration building that now stands there. A new administration building will be erected elsewhere.

The company also has says over

the next five years it plans to build a second plant at a new location because its site in Niedergebra will no longer be large enough to handle the increased business. If the conditions allow, MTM wants to locate the new plant in the same region of Germany.

Source : Plastics News Daily

PLASTIC UNWRAPS NEW OPPORTUNITIES IN PACKAGING

The plastics industry is clearly energized by the promise of material replacement in packaging. Plastics continue to make the leap into other market segments within packaging that were typically dominated by glass, aluminum, or paper.

Innovation in plastic packaging has brought plastics into these new areas. In fact, Michelle Lamontagne, marketing development specialist at FLEXcon, a manufacturer of pressure-sensitive film products, believes that's a large part of the concept of flexible packaging.

"It's really meant to replace the traditional aluminum can and glass containers - it's intended to replace those traditional materials that are used," Lamontagne told PlasticsToday. "In terms of transit, it's lighter to ship than glass and it's certainly more durable in terms of not breaking and endangering the product's end use. Really, there's a whole series of benefits of plastic as opposed to glass or aluminum."

At the same time, the use of plastic packaging is also turning into a good sustainability story. A recent study, prepared by Franklin Associates for the American Chemistry Council (ACC) and the Canadian Plastics Industry Association, determined that six categories of plastic packaging help to significantly reduce energy use and greenhouse gas emissions compared to packaging alternatives made with other materials. The study aims to provide a transparent, detailed life-cycle assessment that quantifies the energy and climate benefits of using various types of everyday plastic packaging compared to alternatives.

"We all know that plastic packaging plays a critical role in protecting and preserving everything from groceries to high-end electronics. This study demonstrates that plastic packaging also makes a significant contribution to sustainability by dramatically reducing energy use and lowering greenhouse gas emissions," said Steve Russell, VP of ACC's plastics division.

Flexible packaging expands with the pouch

The North American and European flexible packaging markets are estimated at \$20.7 billion and \$16.4 billion, together accounting for almost half of the global consumer flexible packaging market of around \$76 billion in 2013. However, recent research by PCI Films Consulting shows that growth in North America at around 4% p.a. by value is currently twice as fast as that experienced in the last year in

Europe.

In the past, North American consumers have been more conservative with regard to the adoption of new flexible packaging formats than their European counterparts, and packers often have been reluctant to replace existing rigid filling capacity with new flexible packaging alternatives, PCI states. However, this is now changing, as consumers recognize the lightweight portability and convenience, particularly of single-serve flexible formats with easy-open and reclose features, and also the environmental advantages of flexibles.

This rapid growth in flexible packaging is, in part, driven by the growth of the pouch.

"The demand for flexible pouches is growing to accommodate the lifestyle of people today," said Lamontagne of FLEXcon. "People are busy and are on-the-go, and they look for something that is convenient for their lifestyle. I think pouches offer a lot of obvious benefits in terms of the lifestyles of people today."

The Freedonia Group recently took a closer look at pouches and says that demand for pouches in the U.S. is projected to increase 4.6% per year to \$9.4 billion in 2018. Growth will be fueled by continued solid opportunities for stand-up pouches stemming from functional, sustainability, and marketing advantages over alternative packaging designs. Overall pouch unit demand is

expected to expand 2.7% yearly to \$92 billion. Advantages of superior aesthetic appeal, portability, lightweight, reduced material use, and significantly lower shipping costs relative to rigid containers will foster strong acceptance in a broad range of consumer packaged goods uses.

Stand-up pouches will remain a major growth segment in the overall packaging industry, with demand forecast to expand 6.5% annually to \$2.4 billion in 2018. Advances will reflect rising interest among packaged goods companies based on cost savings due to lighter weight and lower material use compared to rigid containers. Also supporting gains will be the ability of stand-up pouches to differentiate and draw attention to products on store shelves due to their large front panel billboard space and the perception of pouches as a more contemporary packaging format than traditional container types, such as cans, bottles, and cartons.

Demand for flat pouches is forecast to increase 4.0% annually to \$7.0 billion in 2018, driven by faster advances for four-side-seal pouches in medical and pharmaceutical markets. Four-side-seal pouches will also experience favorable growth in certain food applications such as meat, poultry, and seafood, and sauces and condiments. In addition, robust gains are anticipated in nonfood uses such as soaps and detergents due to the rising popularity of unit-of-use products packaged in dissolvable pouches. In general, however, flat

pouch demand will lag increases for stand-up pouches due to already high usage in many markets and competition from stand-up pouches.

Food and beverage markets comprise the majority of pouch demand, accounting for 80% of the total in 2013. Through 2018, growth will be similar to the overall pouch average, with the pet food; meat, poultry, and seafood; beverage; and produce markets expected to post the fastest gains. Nonfood markets for pouches will grow more rapidly than food and beverage markets, based on the further development of new applications in consumer goods resulting from sustainability advantages and strong opportunities for dissolvable pouches for laundry detergents.

Don't forget about rigid

The rigid plastic packaging market is set to flourish in the next 10 years and Visiongain has determined that the market will reach \$168.7 billion in 2014. However, rigid plastic packaging is facing strong competition from rival packaging materials that are often lighter and cheaper to manufacture and transport, as experienced in many of the rigid plastic packaging end use submarkets.

"All packaging markets will continue with GDP type growth levels-some growing faster than others," said Visiongain Analyst Rodrigo Guitierrez. "For example, we see the beverage and healthcare markets as the fastest-growing sub-markets over the next decade. However, the food packaging

Contd.Pg-19

GLIMPSES

2ND IPF CRICKET LEAGUE MATCH

The 2nd IPF Cricket League 2014 match was held on 27th December 2014 at Geetanjali Stadium, Kolkata. It was four sponsored by Malsons, Swagath, Pratap and Servo.

Fantastic weather with brilliant bush green ground and amazing passion of all the participants made it a successful day for cricket and Plastics. Players from all the sectors of plastics participated with age ranging from 13 years to above 50 years. Contribution of

Father and Son batting together was a rare occasion.

The winning trophy went to Pratap Bonds of Mr. Sunil Agarwal with Malson's Mr. Anil Agarwal named as best batsman and his son Mr. Anish Agarwal (Malson) as the player of tournament together with Mr. Varun Agarwal (Pratap Bonds).

Participants were enthusiastic but the crowd was having fun as well with an audience of over 50 people who enjoyed the atmosphere and lunch courtesy IPF.



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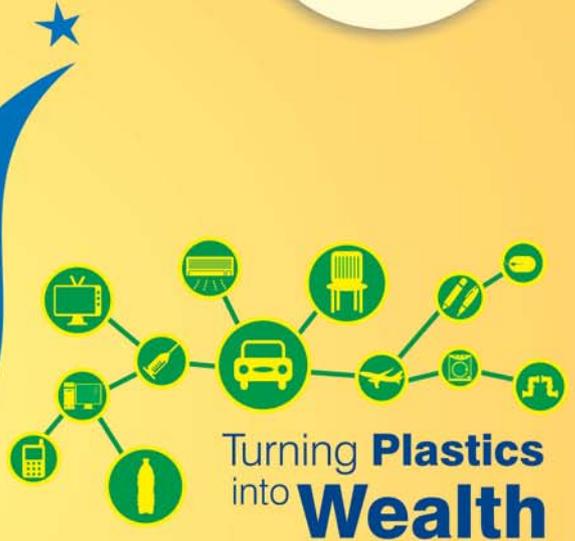
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market will only see moderate growth. Many companies are making the transition from glass packaging to flexible plastic packaging, completely bypassing the need for rigid plastic packaging for their products. Flexible plastic packaging uses significantly less packaging than its glass and rigid plastic packaging equivalents.”

Still, Guitierrez said that rigid plastics have many positive properties over rival materials for packaging applications. Rigid plastic packaging offers many benefits to companies over glass packaging, including properties that makes rigid plastic packaging stronger, lighter and cheaper to manufacture and transport than glass. Glass is seven times heavier than the equivalent volume of plastic, a significant difference. This means that glass packaging is more expensive to transport than rival materials. Moreover, brittleness also adds a risk to transporting glass packaging. Rigid plastics also offer excellent levels of protection, presentation, and preservation to many industry sectors. Additionally, rigid plastic has many environmental benefits including recyclability and availability of low carbon solutions.

In the personal care sector, glass has been a favored material in the high-end market for cosmetic products, particularly in the facial skincare sector. As developing countries begin to mature, more luxurious premium cosmetics using glass packaging will be demanded. However, while glass packaging

will continue to be reserved for premium personal care products, virtually all other personal care product lines are packaged in rigid plastic packaging, Guitierrez said.

Source : Plastics Today

PLASTIC PACKAGING TRENDS TO WATCH FOR IN 2015

There's always a lot of excitement on the horizon for plastic packaging. And for good reason, the market continues to drive innovation in the packaging market as a whole. Innovation is the trend that never stops for packaging. With that in mind, here are some other trends to pay attention to in 2015 for the packaging sector.

Crude oil prices

It all boils down to cost, right? And the falling oil prices is quite a story for the global economy. It is generating concern for oil companies, while at the same time, consumers are proudly posting pictures of the low cost of gas to fill up their cars. But how will the lower oil prices impact plastic packaging?

“While falling oil prices have created mayhem for industries like energy, the plastic packaging industry is well positioned to capitalize on the situation,” according to Zacks Investment Research. “Falling oil prices will not only provide a cost tailwind but will also boost demand due to the increasing disposable

income at the customer level.”

“Resin accounts for 35% of cost of goods sold of Bemis Co. and Sealed Air Corp. Sonoco Products Co. will also benefit given that 6% of its cost of goods sold is tied to resin and plastic film. Another company that will stand to benefit from this is Berry Plastics Group which is reportedly one of the largest global purchasers of plastic resins, more than 2 billion pounds annually,” the report stated.

So we'll keep an eye on the impact of those lower oil prices.

Collaboration

Whether it is partnering together on designing a new type of packaging or signing licensing agreements to launch a new technology, collaboration helps drive innovation in packaging. One company that takes the collaboration idea to a new level is Dow Packaging and its Pack Studios.

There are four Pack Studios locations - Freeport, Texas; Horgen, Switzerland; São Paulo, Brazil; and Shanghai, China. Each center features a collaboration room, laboratory facilities and fabrication and testing equipment, providing a forum where customers can collaborate with a dedicated Dow technical team and an external network of industry professionals. Such collaboration engagements extend beyond Dow customers where value chain members such as converters, brand owners, machine manufacturers, packaging design agencies, academic bodies

and retailers can come together to innovate and accelerate packaging innovation.

Convenience

Packaging continues to go on a diet - from lightweighting the actual package to producing smaller, lighter and easily disposable packaging. There are plenty of studies that show providing consumer convenience enhances brand appeal, which is the power of the package at its finest. We expect to see even more resealable packaging in all kinds of variety. In addition, customers also want easy-to-use, easy-to-handle packaging.

Eco-friendliness/recycling

Using materials in a responsible manner and promoting recycling will continue to be major topics for packaging in 2015. Plastic recycling rates are growing and it must continue to increase. Recycling needs to be on the minds of everyone in the supply chain and as such, more communication on the recyclability of plastic packaging will be a focus. For example, when you attend NPE2015, be sure to check out the Zero Waste Zone, which is an industry effort to educate attendees on the recycling and reuse of plastics materials. The zone will feature a recycling pavilion, sustainability pavilion, recycling demonstrations and more.

Source : Plastics Today

BREYER LAUNCHES NEW EXTRUSION SYSTEM FOR LAMINATE TUBE PRODUCERS

The market of seamless cosmetic tubes today offers all kinds of designs of tubes for the cosmetics industry, and as a result, it expects high flexibility from the production and the operators. Main reason: the tube design changes often in order to stand apart from the crowd. In other words, "packaging sells."

The average order in this business is often not more than 50,000 tubes and the extrusion system and the following equipment must have a high grade of flexibility. The Breyer tube extrusion system TOPline and ECO line reportedly allows customers to fulfill all these requirements from the cosmetic industry.

It's a different situation for producers of PBL tubes (plastic barrier laminate tubes). Compared to the extruded tubes, these kinds of tubes are made from a web laminate and have a visible side seam. Most of their production sizes are usually above 100,000 tubes per order. Laminate film itself is supplied by international players of the film industry to the tube manufacturers. High speed film lines, side-seamers and printers allow an economic mass production of such film but not for the individual design for small orders.

To improve this situation for laminate tube producers, Breyer offers now a new solution based on the company's experience of extrusion systems for flat film and extruded tubes. The extrusion line with working width of 1600mm, 800mm, 400mm or less allow the production of slitted flat film with a flexible configuration of different layers (3, 5 or more), for different tube diameters and lengths.

Barrier layers out of EVOH, PA, PET, COC are also possible. In addition, properties such as color and haptic, which is important for the first impression of the tube product, can be easily adapted by using different polymers like PET, PP, PA, PE or other blended polyolefines.

An isolated inner layer even allows the usage of recycled material, which are not in contact with the product in the tube.

The inline process of flat web extrusion allows the production of ABL or the laminating of the film web by additional decorating film or even to apply an embossed structure. Due to the development of inline web printers with digital or analog printing process, small tube orders can be realized in an economical way.

The advantage for laminate tube producers is that they can now produce their own individual flat film with individual designs with a high flexibility for small tube order lots. Another value is the in-house production of the film web.

Source : Plastics Today

PET LIGHTS UP THE WORLD!

Ever wondered what happens to PET bottles once they're discarded? Well wonder no more as an architect/design team in Malaysia made up of two young ladies, Lisa Foo and Mah Su Sim, has found good use for these bottles by turning them into lights.

The two ladies formed a company known as LFSS last May in what they say is an effort to re-think, reuse and reduce post consumer plastic waste from entering the waste stream by using their skills as designers to fashion functional artworks from recycled plastic bottles.

The architect, Lisa Foo, models her artwork after mysterious creatures of the deep sea, while Sulandscape designer who draws inspiration from natural forms and patterns of nature. Their inspirations are expressed in their artworks.

When asked what inspired the two to start recycling thrown away plastic items into art forms, Lisa says, "We wanted to exercise our environmental responsibility using our design ability with our passion for art to fashion artworks with the most common and ubiquitous of urban waste, namely PET bottles. Subsequently, we try to come out with designs that would not only be aesthetically pleasing but functional as well in order to sow the seeds of environmental awareness through art."

Wonderful words but do these art forms add on to the growing energy and material waste, we

wondered? To answer this, Lisa says, "Basically, our approach emphasises on a crafting process that employs low embodied energy. Hence all our artworks are crafted by hand using domestic tools and stationery. Furthermore, we also ensure none of the parts of a bottle go to waste as every segment is used as a component unit that forms a design."

The ladies get their bottles from friends and family as well as from the local plastics organisation (Malaysian Plastics Manufacturers Association).

When asked about the product range, Lisa commented, "Considering the inherent transparent and light weight quality of the material, most of our designs are light sculptures that are fitted with LEDs or energy saving bulbs. The results are often a fascinating display of ethereal radiance. We have recently explored wearable accessories such as earrings, pendants and fashionista necklaces."

And the good news is that the ladies have sold most of their artworks at exhibitions, adding that "private commissions are also welcome!" The PET artists also say that the artworks have received rave reviews. "However, since we have only displayed them in exhibitions, there is still a large segment of the society who is unaware of this form of artwork," adds Lisa.

To publicise its artworks on the international scene, LFSS set up a blogsite to publish work done. "Our artworks have thus far been featured mostly on international websites that could be navigated

from the LFSS blogsite," says Lisa, adding that they hope to play a bigger role in disseminating the message of recycling for a better living environment and to also participate in exhibitions overseas in the future.

Source : Plastics & Rubber Asia

LOW PRESSURE THERMOPLASTIC MOLDING A FLEXIBLE FIT FOR DEVICE ENCAPSULATION

Sensitive electronic components such as battery packs, micro-switches, solenoids, sensors, connectors and wire harnesses employed in the automotive and electronics sectors more often than not need to be well protected from dust, moisture and grime. Conventionally, potting or conformal coating (brushing, dipping or spraying) processes employing thermoset resin have been employed to encapsulate such electronic components but in recent years, a thermoplastic option has been making strides in the market on account of its efficiency, cleanliness and design flexibility.

Pioneered by Taiwanese company LPMS International (Taizhong City), low pressure molding is said to be a single-step process to quickly encapsulate, seal and protect electronics. Using a simple mold set allows for the process to use much less material than the traditional potting process, while

requiring no housing. Further, part numbers and logos can easily be incorporated into the mold set for added benefits.

LPMS initially developed and started manufacturing machinery for the process in 2004 and currently offers various models including vertical, horizontal and multi-shot injection units. The injection unit itself is comprised of a melting pot for the thermoplastic pellets (typically a polyamide hot melt resin grade such as Technomelt from Henkel (Dusseldorf, Germany)), a gear pump to transfer the resin melt into the tool under low pressure, and a bypass valve for pressure regulation.

"Viscosity can be regulated by the heating temperature employed in the melting pot," says Grant Liu, Founder & President of LPMS. Further, while polyamide suffices 99% of the time, "there may be some cases where adhesion to metal or other plastics requires the use of a polyolefin-based material," says Liu. "Shot sizes may vary from several grams up to 300 grams, with cycle times of 2-3 seconds up to 2 minutes.

"The low pressure molding process can be used to encapsulate complex components because we can design tooling to exact customer requirements," says Liu. "Whether it's an LED or a microswitch, we can certainly overmold in the most efficient way."

LPMS itself is comprised of four business units. One designs and build machines, 30-40 per month at last count, for sale to processors. The company also has its own

tooling business that will turn out 1500 tools this year according to Liu. The third business unit distributes the resins required for the process. Finally, LPMS also offers molding services to those not yet ready to take the plunge. "We have almost 40 machines at our site in Dongguan, China, to provide molding services," says Liu.

Source : Plastics Today

TYCAN, WORLD'S FIRST INDUSTRIAL CHAINS MADE OF DYNEEMA UHMWPE FIBER

Industrial chains for handling heavy loads are being produced for the first time from DSM Dyneema's ultrahigh molecular weight polyethylene (UHMwPE) fiber.

The chains, branded as TYCAN, is produced by Spanish textile manufacturer IndusIndustrias Murtra. S.A. for Load Solutions AS in Bergen, Norway. According to DSM, the chains have already passed the first and second levels of certification by DNV GL, the international classification society. Full and final certification is expected in early 2015.

"Our fiber is the only fiber in the world capable of giving the TYCAN chains what they need: superior strength at lowest weight, unbeatable bending fatigue and abrasion resistance, plus excellent outdoor performance and endurance even in very harsh operating conditions," claimed Dietrich Wienke, Manager of New Business Development at DSM Dyneema.

The TYCAN chains are made

with Dyneema DM20 fiber, based on Dyneema Max Technology. Because Dyneema has a density of less than one, TYCAN is said to be the only chain in the world that floats on water, and yet it can hold in place a wind turbine wing weighing 6 tons, a 60-tonne battle tank, or even a 600-tonne electrical mega power transformer.

The chains can be wrapped over the edges of cargo without suffering any damage. They also withstand the sorts of shock loads that may occur on ships sailing through very stormy weather, without any stretching that might cause the cargo to shift, according to DSM.

Chains are also more flexible than ropes for holding heavy loads, and it is easy to shorten link chains to the required length for any particular job, by doubling them back using hooks.

"The heavy steel chains that the cargo lashing market has relied on until now are difficult and noisy to use, they can rust, and they are tough on cargo, equipment and lashing crews," said Kjell M. Veka, Managing Director at Load Solutions AS. "TYCAN chains with Dyneema are up to eight times lighter than regular steel link chains with the same strength. We want TYCAN chain to be the natural choice when securing cargo!"

The fact that TYCAN chains make far less noise than steel chains when they are being handled is yet another advantage.

Several other field trials have already been completed for different markets. Mammoet Europe B.V., in Schiedam, The Netherlands, evaluated the chains on their mega trucks and trailers while Nor Lines A/S, a shipping

company in Stavanger, Norway, has been testing TYCAN chains for tying down loads on ships.

Source : China Plastic & Rubber

PM PUSHES FOR FAST-TRACKING OF IRRIGATION SCHEME

With an aim of benefiting farmers, Prime Minister Narendra Modi on Tuesday asked central departments and ministries to fast-track implementation of the rural irrigation scheme through a multi-pronged approach, including integrating it with NREGA.

Chairing a high-level meeting involving the ministries of agriculture, water resources, rural development, he said the ultimate goal of the Pradhan Mantri Krishi Sinchai Yojana should be to provide irrigation to every farm.

Today's meeting follows Monday's decision by the Union Cabinet to amend the Land Acquisition Act, 2013, which the government said was pro-farmer.

Noting that NREGA has been used over the past few years for creation and augmentation of irrigation assets, Modi said the scheme should be integrated with the overall plan of Pradhan Mantri Krishi Sinchai Yojana, a PMO statement said.

He also called for precise monitoring of outcomes in this regard, it said.

At the macro-level, the Prime Minister asked the Ministry of Water Resources to identify river-interlinking projects that could be immediately taken up.

He also called for comprehensive mapping and identification of water bodies across the country

for which satellite imagery and 3D photography could be used to guide villages to best possible sources of irrigation, it said.

Modi asked the departments concerned to look into the possibility of identifying progressive farmers, who could take the lead in implementing water conservation and innovative irrigation techniques.

He also called for integrating water recycling projects of key towns and cities, to irrigation in nearby rural areas. He emphasised the importance of generating consciousness among people towards water conservation.

Water Resources Minister Uma Bharati and Agriculture Minister Radha Mohan Singh were present on the occasion.

Source : The Times of India

MATERIALS FOR WEARABLE TECHNOLOGY A US\$25 BILLION MARKET BY 2025, FORECASTS IDTECHEX

In 2025, over US\$25 billion will be spent on formulations and intermediate materials for wearable technology, according to IDTechEx's new forecast, "Wearable Technology Materials 2015-2025".

Companies at this early part of the value chain will enjoy a multiplier over the coming decade, as they participate in a rapidly growing market and take a greater percentage of it when some other parts of the value chain are eliminated.

In the medium term, the deciding factor will be on how to make these devices smaller, flexible, more comfortable, often invisibly hidden

in or under clothing or transparent, the report said. Other items in the wish list will sometimes include being implantable, disposable and a frequent request is that they should never run out of electricity.

In most cases, the only way forward is to abandon the 100 year old "components in a box" approach of almost all manufacturers of wearable technology today, according to IDTechEx Chairman and Primary Author of the report, Dr Peter Harrop. This will be a cornucopia for manufacturers of electronic and electrically functional materials that can be made into structures using those increasingly crucial intermediate materials.

IDTechEx's report finds large opportunities for organics, inorganics and composites. First it looks at which materials are low risk because they are useful in many different ways, for example, polyvinylidene difluoride.

Then, the prevalence of different formulations that are being used in planned integrated devices for the future is being analyzed. For example, there is great interest in lithium, indium and titanium salts across a broad sweep of functionality. There are also many niche opportunities for smaller players such as those specializing in the chemistry of tungsten or tantalum, where many new uses are emerging, the report said. IDTechEx counsels that many new morphologies and formats are needed from electronic printing inks to metal feedstock for the new higher speed, lower cost 3D printing. These challenges with the new formulations identified reduce competition and open up opportunities for premium pricing.

Source : China Plastic & Rubber

For The Entrepreneur, Wealth, Fame and Size Don't Come Cheap

Dr. Devdutt Pattanaik

The Greeks believed in polis, in the idea of a city with a citizenship that works together to create what Aristotle called the good life (eudaimonia). Aristotle's student Alexander believed in it as he led his army across the sea to Persia.

There he saw a different model of governance, where there was a king who everyone believed was divinely ordained. He was different and distant from his people and evoked awe and fear that ensured orderly conduct across his vast empire. Here there was no equality; there was hierarchy.

The Persian Empire was the greatest empire known to the world. They were the first to create the concept of satraps or governors of their vast provinces. Their symbol was the lion.

The God-king was the Lion-king, who dominates his pride of lionesses, kills all rivals, gets the pride to hunt and then eats the first bite of what is hunted. It has been postulated that the Egyptian pharaohs who ruled the Nile Valley inspired the Persian system. But the Persians took the idea further, ruling people very different from themselves. So popular was the Persian system that it inspired empires in China (Qin dynasty) and India's Mauryas.

The same model of central authority and governorship was followed. Even though lions were scarce in India (even imported, according to some natural historians) and absent in China, the lion became the symbol of kingship everywhere, adopted eventually from Britain to Sri Lanka,

lands where lions never roamed but were stuff of legend. Alexander killed the Persian Emperor, burned his great palace of Persepolis and went about creating his own version of an empire: setting up cities he named Alexandrias wherever he went. He hoped to create polis where equal citizens would create eudaimonia. But before he knew it, he himself saw the value of the idea of the Lion-king, how authority and hierarchy created order. Spellbound, seduced, he began seeing himself as the successor of the Persian kings.

The Persians loved this. The Greeks were horrified. The conflict between the idea of the Lionking's hierarchy and Alexander's polis of equality forms the foundation of Western economics, politics and philosophy. Social activists see themselves as champions of Alexander's polis and view corporations as the hierarchical

Persian Empire.

Companies are trying hard to shed this image and becoming polis through processes, technology and the idea of the institution, where all people are equal and where processes and systems ensure work gets done. But this poses great problems to Lionkings who want to get things done.

All entrepreneurs face this. When they are startups then the team listens to him and gets the work done. There are arguments, discussions, passionate deliberations, quick discussions, nimble execution. There is the assumption that the startup is a place of equality, a polis, but everyone knows who is the Lion-King. But then the enterprise is successful.





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TO ALL MEMBERS OF THE FEDERATION

MEMBERS ARE REQUESTED TO SEND THEIR GRIEVANCES / PROBLEMS FACED ON VAT / CST / ENTRY TAX ETC. IN DETAILS ALONGWITH SUPPORTING DOCUMENTS TO THE IPF SECRETARIAT SO THAT WE CAN PUT THE SAME TO THE CONCERNED AUTHORITY.

PLEASE SEND THE SAME TO THE HONY. SECRETARY, INDIAN PLASTICS FEDERATION
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MEMBERS WANT TO SET UP NEW PLASTIC INDUSTRY AND TO AVAIL SUBSIDY AND OTHER GOVERNMENT BENEFITS AVAILABLE FOR MSMES' MAY CONSULT WITH MR. PINAKI SINHA ROY, EX-PROJECT MANAGER, DIC AT IPF SECRETARIAT, 8B, ROYD STREET, 1ST FLOOR, KOLKATA – 700 016 ON EVERY WEDNESDAY FROM 3.00 P.M. TO 5.00 P.M. WITH PRIOR APPOINTMENT. INTERESTED MEMBERS MAY CONTACT DIRECTLY WITH THE IPF SECRETARIAT AND FIX AN APPOINTMENT AT LEAST 2 DAYS BEFORE THE SCHEDULED MEETING. MR. ROY WILL PROVIDE THE KNOWLEDGE REQUIRED FOR SETTING UP PLASTIC INDUSTRY UNDER MSME POLICY 2013 ISSUED BY DEPT. OF MSSE & TEXTILE, GOVT. OF WEST BENGAL.

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IPF NEW MEMBERS

IPF WELCOMES TO NEW MEMBERS TO ITS FAMILY APPROVED IN THE EXECUTIVE COMMITTEE MEETING HELD ON 23/12/2014

Name of the Company	Class of Membership	Membership No.
M/s Sinha Multilevel Marketing P. Ltd.	Conversion from Manufacturer to Life Manufacturer member	LM-345
M/s Transworld Business Corporation	Life Manufacturer member	LM-346
M/s Om Plastic Industries	Life Manufacturer member	LM-347
M/s Arunil Polycraft Pvt. Ltd.	Life Manufacturer member	LM-348
M/s Raj Luxmi Polymers	Life Manufacturer member	LM-349
M/s MB Daga Packaging Pvt. Ltd.	Life Manufacturer member	LM-350
M/s Nepco Commercial Pvt. Ltd.	Manufacturer member	M-299
M/s Bishwanath Polypack P. Ltd.	Life Dealer member	LDR-098
M/s Bright Trading Co.	Life Dealer member	LDR-099

CIRCULAR NO. : 31/2015

20th January 2015

Sub: Membership of the Federation

The Federation has received the following application for membership of the Federation :

1. a) Name & Address of the Applicant Firm : **M/S D. SAURABH TREXIM PVT. LTD.**
19, Manohar Das Street
Kolkata – 700 007.
- b) Class of membership : Life Dealer member
- c) Proposed by : M/s Wonderpack (India)
- d) Seconded by : M/s Prakrit Impex Pvt. Ltd.
- e) Name of Representatives : 1. Mr. Deepak Agarwal – Director
2. Mr. Saurabh Agarwal - Director
- f) Items dealt in : Dealer of HDPE Nets (Mosquito Net & Fishing Net).

(Circulated in terms of Article 15 of the Articles of Association of the Federation)



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C I R C U L A R

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Inside Back Cover (Colour)	:	Rs. 11,500/-
Colour Full Page	:	Rs. 6,000/-
Bi-Colour (2 Colours) Full Page	:	Rs. 4,000/-

MECHANICAL DATA

Overall Size of the Journal	:	28.5 cm X 22.0 cm
Front Cover [Print Area]	:	20.0 cm X 18.0 cm
Full Page [Print Area]	:	23.5 cm X 18.0 cm

Note : 15% discount will be allowed on 12 insertions
10% discount on 6 insertions to DIRECT ADVERTISERS



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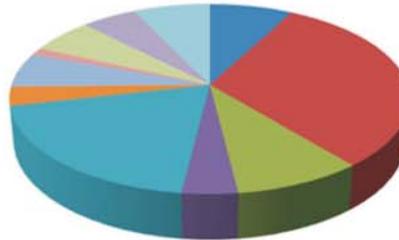
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