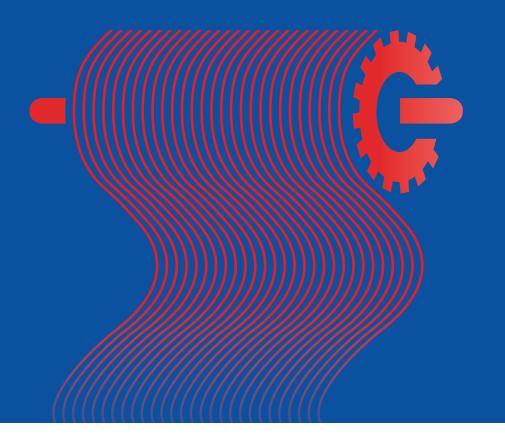
# Paper: The Beginning of Every Single Thought!







# It's Green It's Growing

In today's day and age, it is imperative that the industry moves towards sustainable practice that allows our collective ecosystem to fight against the perils of Climate Change. At JMC, we are integrating renewable sources of energy as well as working towards making machines that leverage recycled paper to aid to our fight against environmental concerns.



Over the last few years, the paper and pulp industry is significantly expanding its footprint through innovation, adoption of new-age technologies, and increased technical expertise. Together, the industry is overcoming significant hurdles it has conventionally faced and at JMC, we are striving hard to make our offerings more efficient and valuable, doing our bit for the industry.





## MR. RAJNI PATEL CHAIRMAN & MANAGING DIRECTOR

A Diploma Holder in Fabrication Technology, with more than 20 years of experience leading the company. Mr. Patel's expertise ranges from handling production, purchasing, and operational matters within the company. He is also a member of the American Welding Society (U.S.A).

#### CMD's Message

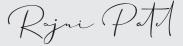
At JMC, we are committed to spearheading the change in the paper and pulp industry by continuously chasing excellence, innovation, and sustainability. We are dedicated to leverage our immense technical expertise and combining it with newage technologies and global business practices to deliver the finest experience to our customers.

Continuously pushing boundaries to carry forward JMC's rich legacy, of over two decades, of superior quality, unmatched inventions, and consumer satisfaction.

It is an exciting era for the paper and pulp industry, and we, at JMC, are excited to be at its forefront. The past two years have taught us all a lot of lessons, more than we have learned in the last two decades. It has helped us rethink our approach towards business and led us to develop a more anti-fragile approach that allows us to continuously serve our clients and fulfill their needs, even in difficult times such as the pandemic. Further, another theme that has evolved quickly is the adoption of technology in the paper and pulp industry. I firmly believe that technologies like the Internet of Things, Automation, and Analytics will help the pulp and paper industry to become more efficient. Moreover, the pandemic also highlighted the impact of pollution on our environment and how a few months of inactivity led to improved air quality. This showed how we need to adopt more sustainable business practices that ensure a peaceful coexistence among the planet

and development. Lastly, the last two years have showcased the importance of long-lasting customer relationships.

At JMC, we are working towards all of the aforementioned themes brought forward by the pandemic. We are continuously pushing new technologies at our state-ofthe-art manufacturing facilities spread across 10,000 sq. mtr. Further, we have strived to reduce our dependence on Comprehensive sources and thus, have installed solar power that takes care of 50% of our electricity requirements. Lastly, we have successfully completed several projects, including turnkey, helping our customers achieve their goals and us achieve significant milestones like our machines achieving double the production capacity!





We specialise in the design, development, manufacture & installation of pulp and paper industry.

JMC Papertech Private Limited, an ISO 9001:2015 certified organization, has fostered a lasting legacy by spearheading the industry of machinery for paper manufacturing through cutting-edge innovations and technology. With state-of-the-art manufacturing facilities spread over 10,000 sq. mtr. and a focus on

JMC has developed fruitful relationships with clients from across the globe by providing them with quality products and bespoke services.

#### **Key Milestones**

#### 2002

JMC Begins its journey towards becoming a leading name in the paper and pulp industry

#### 2016

Establishes the Sanand Facility spread across 6500+ sq. mtr.

#### 2021

About to completes two decades and boasts a 10000+ sq. mtr. manufacturing facility with 50% solar electricity generation!



**OUR APPROACH** 

Our approach brings together the foundations of our philosophy: Innovation, Customer Satisfaction, Environmentally and Socially Responsible Practices.



AGREEMENTS

Expanding our footprints across the world by developing synergistic relationships with global companies.



#### 10,000+sq.mtr 500 TPD

We are continuously expanding our manufacturing facilities to deliver more efficient, rapid, and satisfactory results for our clients.

We develop machinery that helps our clients achieve exceedingly high production capacities.

#### 40+

#### Countries

Our qualitative offerings have helped us serve valued customers from across 40 countries.

#### **Expert**

We house a collection of immensely talented, experienced, and dedicated team members.

#### Well Equipped

Our manufacturing operations consist of highly innovative and advanced machinery that helps us deliver the finest result.

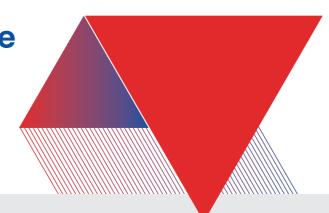
#### Social Responsibility

At JMC, we are committed to giving back to our community and go beyond the conventional norms of corporate social responsibility. For instance, we are undertaking the initiative of supporting a local old-age home as well as an eye and surgical hospital as a part of our social commitments!



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## The visionary force behind JMC





Mrs. Bina R. Patel
Director- Administration

A Science Graduate, Mrs. Patel handles the purchasing of raw materials and managing of office administration. With special skills in communication, she plays a key role in fostering and balancing the relationship in JMC family.



Mr. Jignesh J. Patel
Director- Procurement

A Science Graduate, looks after the Account & Purchase Dept., also involved in managing administration and handling export related matters, with skills in building and maintaining employee-client relations.



Mr. Sanjiv Srivastava Technical Director

A Graduate paper maker by profession, Mr. Srivastava is a full time Technical Director for the company with more than 40 years of experience in Paper & Paper Machinery Manufacturing.



Mr. Chintan J. Patel
Director-Operations

A Diploma Holder in Welding & Fabrication Technology from SIR BPTI, Bhavnagar, with experience of 15 years in the field of paper mill machinery. He is involved with handling of production, design, and all related matters.



Mr. Mayank Suthar Executive Director

A Diploma Holder Mr. Suthar has working experience of 25 years within the field of paper mill machinery. Experienced in handling of production, building customer relations, and many other factory related matters.



Milind M. Suthar
Director-Sales & Business Dev.

A Graduate Mechanical Engineer, he is in charge of establishing and handling new inquiries and related matters. He plays a key role in outlining cost estimation, sales management, and other factory related matters.

#### **Awards**

Owing to continued excellence when it comes to serving our clients with the most advanced technological products and services while being firmly committed to adherence to global standards, JMC has several accolades and certifications to its name, a testimony to our pursuit of client satisfaction:



Award of Excellence

for the pioneering efforts made in the field of technology for paper machinery Manufacturing in India. Indian Agro and Recycled Paper mills Association



Glory of India
International award
International Friendship Society of
India



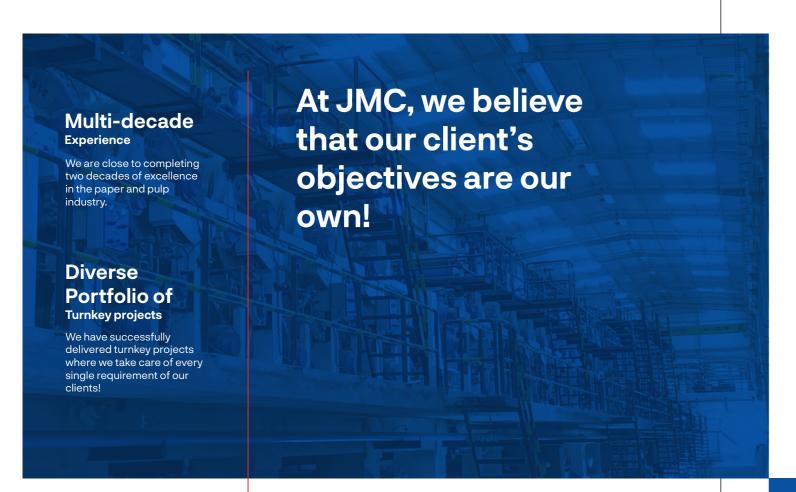
Great Achiever of Industrial Excellence Award 2005 Indian Org. for Comm. & Inds.

#### Certification and Accreditation









#### Leveraging our multi-decadal experience to encompass a wide range of machinery for the paper and pulp industry.

JMC symbolizes innovation, exceptional customer service, and immense versatility. Our efforts are concentrated in a direction that leads us to achieve client objectives while delivering maximum efficiency, high returns on investment, and most importantly, complete customer satisfaction. Over the years, we have developed several service modules including executing turnkey projects that empower us with the entire project execution cycle, helping us take care of every single detail.

Our journey thus far has helped us amass significant experience and led us to pursue continuous excellence. We have leveraged our business understanding to expand our manufacturing process while integrating the finest production methodologies. Further, we have also developed powerful relationships with vendors, clients, and associates from over 40 countries, helping us generate a global footprint. As JMC nears two decades of completion, we are confident of building on our solid foundations and developing an organization that is timeless and impactful!

#### Single-window destination for Paper machinery needs

We have crafted excellence in the form of paper manufacturing machinery that allows us to empower clients to meet their objectives. Our team can carry out various aspects of the entire process, whether it is designing, developing, or deploying the machinery at client locations. Further, we also provide support to our clients after the machine is deployed, ensuring that it always functions smoothly.

We are continuously monitoring global trends in the industry, helping us ramp up our infrastructure in terms of quality as well as service standards. Our team remains in touch with our clients to understand their exact pain points and strategically devises solutions that solve their problems. We firmly believe that our clients will significantly benifited from our suite of services and make us a reliable partner for all things related to paper and pulp machinery!



#### Technical Expertise

At the helm of JMC Paper Tech's operations are some of the most experienced technical experts with years of industry experience and are well versed with the intricacies of paper machinery manufacturing. Through our manufacturing facilities, our clients could be assured that each product we roll out is innovative and efficient.



#### Quality Assurance

With experience in this industry spanning decades, JMC has developed sustainable, long-term, and fruitful relationships with its clients on the bedrock of consistent quality. At JMC, we have a strict quality assurance policy in place that ensures we live up to our quality commitment.



#### Valued Associates

Owing to a dynamic presence in the paper machinery manufacturing market, we have developed a vast network of professionals associated with the paper industry, making us a trustworthy name in this industry.



#### Global Organization

JMC Paper Tech Private Limited is an organization dedicated to best serve its clients while adopting the best industry practices. This has led us to become a truly global industry with prestigious certifications like the ISO 9001:2015, and clients from over 40 countries.





# We hear industry experts!

Our team continuously carries out research and identifies trends of the industry that ensures we are in alignment with futuristic practices that we promise our customers! Given the increasingly global nature of businesses, we are always interacting with business experts from all over the world, helping us keeping pace with global trends and helping our customers gain an unmatched competitive edge!

In today's day and age, it is crucial to build an organization that is able to leapfrog conventional geographical barriers to ensure superior product development processes that surpass global standards, and not just meet them!

Collaborating with global organizations and talented individuals allows us to access insights into industry happenings from all over the world!

# JMC future leadership & management

JMC directors' are very much glade and feeling proud as new generation are willing to be a part of JMC legacy. Yesha & Sneh children of Mr. Rajni & Mrs. Bina Patel, are now ready to join the business with new energy for coming projects.



#### Yesha Patel

Yesha graduated with a Bachelor of Arts from Austin College in Texas, U.S.A. She is currently completing her post-graduate studies for a Doctor of Pharmacy from University of North Texas in Texas, U.S.A. Future goals for Yesha are to increase managerial involvement within JMC and work towards expanding the company globally.

#### **Sneh Patel**

Sneh graduated with a Bachelor of Science in Computer Science from University of North Texas in Texas, U.S.A. He completed an internship with Fast Enterprises with a focus in management. Future goals for Sneh are to use his computer science knowledge to further develop latest technology & software for JMC and help expand the company globally.



#### Infrastructure

We strongly believe in the power of state-ofthe-art infrastructure. Not only is it important for developing the best machinery, but also for providing a positive work environment for our dedicated team members.

Our manufacturing facilities, spread over **10,000** sq. mtr. are situated in the industrial hub of Sanand, Ahmedabad and are equipped with the most sophisticated engineering machinery.



Further, our engineering infrastructure includes Computer-Aided Design with 3 Dimensional designing & Drafting workstation as well as an ST-ERP software to regulate and monitor end-to-end operations.







JMC has installed an Imported CNC Lathe Machines for machining as well as for grinding, also having Heavy Hydraulic Pressing Machine in the workshop

We offer our clients comprehensive in-house manufacturing services such as machining, drilling, and grinding facilities all under the same roof, and have the capability to handle jobs of more than 70 tons capacity!

#### **Environmental Commitment**

JMC Papertech Pvt. Ltd. is strongly committed and sensitive to the environmental challenges we face today. Every measure necessary is taken to ensure that the company causes minimal environmental impact and is regulated by a comprehensive Environmental Policy. We are proud of the fact that 50% of our energy requirements are met by solar energy!







#### **Comprehensive turnkey solutions**

#### Diverse Portfolio of Turnkey

of Turnkey project

100% Satisfaction ratio

**Early**Return on investment

guarantee

With JMC's turnkey solutions, our clients access an unmatched array of services that take care of every aspect of paper and pulp machinery requirements, delivered by leveraging our technical and business experience!

For our clients who have a desire to build an organization in the paper and pulp industry and require a reliable partner for machinery needs, JMC's comprehensive turnkey solution is an ideal starting point. With a step-wise and agile deployment methodology, we are qualified to oversee, strategize, and implement machinery turnkey projects irrespective of scale and size.

Over the years, we have successfully delivered over 20 turnkey projects in India and abroad! Right from land development to executing civil work and designing the machinery to executing it and providing real-time support and maintenance services, our team is capable of handling the full spectrum of paper machinery needs! Working on a turnkey project is a very efficient proposal as it eliminates the delays caused by different vendors and lets us handle all aspects from a single destination, making it very seamless!

#### Turnkey project process



Assistance to select site location



Factory layout



Load data for civil structure design



Machine & foundation layouting



Equipment placing layout



Drain Trench layout



Civil Work start approval and progress check



Mass balance power detail and drive details



Deployment of manforce



Machinery Installation



Timely Inspection by Sr. Technical Executive



Final check after complition of installation



Trial run with full machine synchronisation



Stabilization and achievement of rated output

## Value added services

We are dedicated to creating value from every avenue possible. Beyond our conventional offerings and turnkey projects, we also offer our clients several value-added services that can make a strong difference to them!

The advantage of working with JMC is that you can access our technical expertise and quality standards at any time! Here's a glimpse into the valueadded services our clients can access 24\*7 with JMC!



#### Plant Maintenance (After Sales)

Our team is readily available for maintenance and any emergency breakdown.

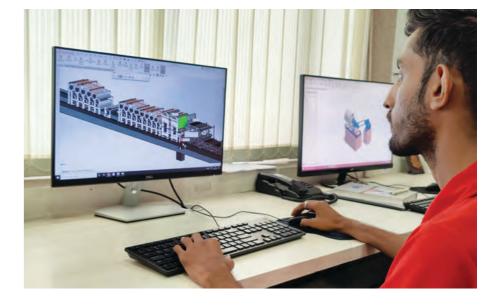
#### Erection and commissioning of Paper plant

Handling every aspect of paper plant development from design and strategy to execution and deployment

#### Management Systems and Staff Training

Enabling our clients to make the most of our offerings through training sessions of employees.

#### We design construct & observe, We are the engineering people



Apart from Manufacturing Paper machinery in-house, JMC Papertech Pvt. Ltd. also offers bespoke consultancy services to its clients that help them to take their projects to the next level.

Our services include designing as well as general business consultancy in this industry, helping our clients access our decades of experience and expertise.



#### Multi wire machine

First time in the history of India to manufacture & supply A four fourdrinier machine with top former - A complete paper machine

- 250+ TPD
  Recommended
- Kraft, Duplex, HWC Duplex, SVS Duplex, Art card, FBB, Multilayer high BF kraft, White top liner kraft
- 180 to 450 gsm

Multi fourdrinier machine forming mechanism is combination of four and above layer cellulosic fiber mat in which fiber are uniformity and irregularly interlocked with different properties Raw material, It is especially for multi-product quality by lower GSM to higher GSM packaging paper, mainly advantage is multi fiber orientation into lower consistency so resulting higher caliper and stiffness in MD with high productivity. Multi fourdrinier machine is especially for duplex paper packaging like FBB, IVORY and other quality board paper for high productivity.



#### **Double wire machine**

Double wire machine is very successful machine, which can produce great quality kraft & white top liner kraft.

- 80+ TPD
  Recommended
- Kraft & White top liner kraft
- > 80 to 250 gsm



Today the basic raw material availability is low grade cellulosic recycle fiber, therefore do not get desired properties. after inventing double wire machine, several physical properties improved in same raw material. It is very successful machine for quality and main advantage gsm leverage, proper sheet forming, high BF due double wire mechanism and improve physical properties with higher productivity.

#### 3 Wire Machine

Triple wire machine produces high quality stiffer packaging paper with high productivity.

- 150+ TPD
  Recommended
- Kraft, Duplex,
  White top liner kraft
- 100 to 300 gsm

Triple fourdrinier wire machine forming mechanism is combination of three layer cellulosic fiber mat in which fiber are uniformity and irregularly interlocked with two different

properties Raw material. This is mainly for higher GSM and high BF paper. Today good packaging ensures proper conservation of the product and plays vital in protection from the transportation and make in easier for the consumer to handle and carry it. Triple wire machine produces high quality stiffer packaging paper with high productivity.

- 20+ TPD
  Recommended
- Special grade paper, Tissue, Lower gsm kraft, Regular kraft
- **80** to **180** gsm

Single fourdrinier wire machine is called simple wire machine, it work placing of the stock slurry received from head box and function is to distribute the fiber suspension evenly over the wire width to give uniform basis weight by suitable dewatering structure cooperate on the single wire. Main thing is flow velocity must be uniform and constant over the whole width of the wire. Single wire machine produces lower gsm cellulosic fiber mat for paper it is also produce specialty paper, writing & printing, kraft paper etc.

#### Single wire machine

Single wire machine produces lower gsm cellulosic fiber mat for paper







Cast iron and steel have essentially comparable thermal conductivity, so as the shell is thinner, better heat transfer can be assured.

Another benefit of the reduced shell thickness and higher heat transfer is that lower steam pressure can be used for drying. In such a case, the same production rate can be reached using lower steam pressure with higher Latent Heat of Vaporization. With the grooving inside the shell, overall heating area is considerably increased resulting in better conductivity. The result is lower total energy consumption. Depending

on the cost ratio between the different energy sources, significant energy cost savings are possible in tissue machine with fabricated dryers, in fact the energy cost shall be lower in steel Drying Cylinders compared to a C.I. one. The investment cost for steel cylinders are also favorable while compare to the cast iron variety, and the physical weight is also less as well helps less engine power consumption.

considered the most significant part of any process. Having a dryer of lesser thickness means having lesser heat capacity of the dryer, which leads to faster and efficient control. Hence, you can see better and quicker response to your actions (change in set point of dryer steam pressure, resulting in change in paper moisture). This results in better quality and quality consistency of paper being produced. Not only this, this also results in quicker startup of the machine after a long stoppage, like a wire/felt change.

Automation, today, is

#### **Advantages**

Internal machining to provide even thickness of the Shell.

Minimize or Zero unbalance of Shell due to both side machining.

Even heat exchange due to even shell thickness and more heating area due to spirally ribbed internal surface.

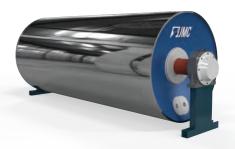
Surface Mirror finish up to 0.6 to 0.9 micron.

Composite unit of Alloy steel cast shaft with side disc (Single piece Cast), Welded at both end to avoid any kind of shearing/ breakage of shaft from side disc welded joint.

Precisely balance as per G 2.5 for High Speed application.

Prepared from specially ordered steel plates from reputed suppliers.

Retain roughness value for longer time



Steel Yankee & dryers can be metallised prior to increase the surface hardness, life and water resistance.

Metallisation delays the need for regriding of the shell wall base metal, which on cast iron can eventually result in de-rating. Metallisation is also a key reason that steel Yankees are far less prone to developing chatter problems.



Lower Energy Costs

**Higher Heat Transfer And** 

Single Piece Cast

(Composite Unit Welded with internally

machined and grooved shell)

Disc & Shaft





## High speed rewinder

With auto tension control

Advantages are
Good price productivity
ratio, High quality
of rewound
paper rolls, High
quality slitting
and Reliability in
service

Rewinder is used for rewinding and longitudinal slitting of the paper web from the paper machine reel spool into reels of required sizes.

The winding part of the machine consists of two rolls, each of these carrying rolls has its separate drive. A hydraulically controlled ejector of the reeled up rolls and hydraulically controlled cross cutter, which separates the paper web from the wound up roll, are installed in the first carrying roll bedding in the paper web run direction. The carrying roll guard bedding is done in the same way on the second roll, it is controlled pneumatically and serves for a safer roll manipulation in the area between the tilting table and the smooth carrier roll. Both rolls are dynamically balanced according to the required winding speed. Surfaces of both rolls are plasma-sprayed.

## Air cushion type pressurized headbox



#### **Advantages**

Faster and more precise control

Possibility of corrections in a close profile range through slice profiles changes

Possible regulation of output lip slipping during operation

Provided protection against lip bending

Automatic blocking of an upper lip movement

Simple operation and easy maintenance

Minimum spare parts

With the JMC air cushioned pressurized headbox, you get the best paper quality as well as lower energy costs.

It comes with two nos. evener rolls for deflocculating. Consequently, paper quality is improved while substantial savings in energy costs can be realized by our customers. Crossgauge profiles of grammage (CD profiles) are maintained, and fiber orientation is assured. In order to ensure efficient and reliable operation and excellent runability, all surfaces in contact with the stock flow are polished.

Turbulence generators and tube banks are combined with nozzles and tube banks for turbulence generation.

For controlling stock flow as well as adjusting the gap between the slice lips, the slice lips are motorized. Stock flow is evenly dispersed from the headbox, resulting in optimum sheet formation.

All internal surfaces in contact with the stock flow are finely polished.



### Our valued clients

We firmly believe that our clients form the foundation of JMC's journey and are committed to excellently meet with all of their requirements. Whether it is innovation or exceptional service standards, it is all for our valued clients!



#### **Overseas clients**

Al Suwaidi Paper Factory Almozayek For Paper & Card Board. Afsin Gaffar Pour Avand Lafaf Pegah Co. Bellmer Czech S.r.o. Burayu Devlopement Pvt Ltd Co. Basundhara Tissue (r.m.inernational,japan) Base Paper Ltd Chittagong Asian Paper Mills Ltd. Dowell Container & Packaging Corpo. Greys Paper Recycling Ind. Hakkani Paper & Board Ltd. Homayoun Mohazabfar Duplex Board Factory. Kaghaz Kar Kasra Kaghaz Nil Garmsar Paper Mill Liberty Paper Modern Laminates Ltd

Mega Paper And Boards Ltd Moghava Sazi Yazd Company. Mostafa Paper Complex Ltd. Omid Kagaz Paper Bug P.t. Trison Jaya Roll Isfahan Company Ltd. Rotocii S.a. Cartoon Board Pvt Ltd. Supreme Group **Towhid Carton** Umm Al-quwain Paper Products Uganada Pulp & Paper Mill Valmet Technologies & Services S.a. Wecycle Ltd. Zoroof Moghavee Zahra Textile (paper Division)

and many more...

#### **Domestic clients**

Astron Paper & Board Mills Ltd. Ashmita Papers Ltd. Camerich Papers Pvt Ltd Chandpur Industries Ltd Devkinandan Paper Mill Diyan Papers Llp Dhruv Paper Mills Pvt Ltd. Dura Kraft Papers (p) Ltd Eco Plywood Pvt. Ltd. Friends Paper Mill Fortune Paper Mills Gsk Technologies Pvt Ltd Hari-om Industries Kumarvel Paper Mills (p) Ltd. Milenium Paper (p) Ltd Milano Papers Pvt Ltd. Nagmati Papers Llp Nath Pulp And Paper Mill Ltd Nr Agarwal Industries Pvt. Ltd Om Paper Mill Orchid Laminates Pvt Ltd. Om Sree Papertek Private Limited Padmavati Papers Ltd. Panama Papers Pvt.ltd.

Papcel Pulp and Paper Technology (p) Ltd. Rajveer Paper Mills Pvt Ltd. Resonance Paper Mills Pvt Ltd Saiyad Paper Mill Supreme Duplex Boards Pvt. Ltd. Shri Laxmi Kraft Paper Venture Shree Gopinath Paper Mills Pvt Ltd. Shree Vaikuntha Paper & Board Mills Pvt.ltd. Sri Vari Papers Pvt. Ltd. Shardhambica Paper & Boards Subam Papers Ltd Sri Venketeshwara Boards. Sripathy Paper & Board Mills Pvt. Ltd.(unit I) Sripathy Paper & Boards Pvt. Ltd (unit -ii) Selvasuba Paper Mills Pvt. Ltd. Tirthak Paper Mills Pvt Ltd. Unit1 Tirthak Paper Mills Pvt Ltd.unit2 Tulsi Paper Mills Pvt Ltd. Vaikguntha Duplex Board Pvt.ltd. Vedadri Paper Mills(i) Pvt Ltd Venkraft Paper Mills Ltd. Veerachola Paper Vvg Paper Industryprivate Ltd Zion Paper & Board Pvt. Ltd.

and many more...





#### JMC Papertech Pvt. Ltd.

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