



YARNS AND FABRICS FOR FASHION, PROTECTIVE WEAR AND INTERIORS



# LNJ Bhilwara Group

Founded by L.N. Jhunjhunwala in 1961, LNJ Bhilwara Group has emerged as a diversified conglomerate with holdings in textiles, graphite electrodes, power generation, power engineering and information technology services. With more than 20 production units, all strategically located in India, the US\$1-billion group of companies employs over 25,000 people.

We began as a small textile mill in Bhilwara and have become a leader in the domestic and international textile industry transforming Bhilwara into one of the most important textile hubs in India.

LNJ Bhilwara Group's success is based on the union of traditional values and an inherent sense of self-reliance and adaptability.



Power generation is vital to our manufacturing success. We continue to invest in renewable energy and partner with global leaders on sustainable power projects.



With a combined capacity of 505,000 spindles, our yarn spinning operation is equipped for a broad range of clients and industries.

“To me, LNJ Bhilwara Group is not a business house. I see it as an institution that is committed to seeking excellence.”

— L.N. Jhunjhunwala, *Founder*

## Historic Highlights

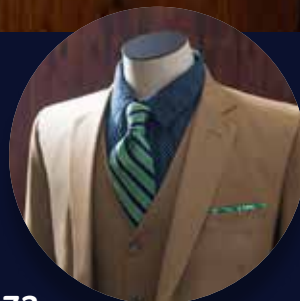


L.N. Jhunjhunwala (standing at right) establishes first unit of RSWM

1961

1973

LNJ Fabrics establishes a fabric processing and finishing factory, marketing fabrics under the name Mayur



1993

RSWM Ltd. opens a primary and secondary school inside the factory premises for the children of employees



1994

RSWM Ltd. establishes cotton spinning unit in Rajasthan to manufacture mélange yarns





LNJ Denim produces high-quality denim in our state-of-the-art facility. Our development teams research the most current global trends and finishing techniques available for denim production.

The company's unit in Bhilwara underwent a major expansion in 2011, building India's most sophisticated plant and adding 51,840 spindles to production. The yarn from this factory is sold under the brand name ULTIMA® and is the finest polyester-viscose greige yarn in the Indian market.

Specialising in poly-viscose blends, LNJ Fabrics provides the fashion, protective wear and interiors markets with 15 million metres of fabric per year. Its two branded collections, Mayur and Cannello, are sold worldwide.

Established in 2007, LNJ Denim produces 25 million metres of fabric annually in both traditional and innovative constructions and blends.

## RSWM Yarns and Fabrics

RSWM Ltd., the flagship company of LNJ Bhilwara Group, is one of the largest textile manufacturers in India and exports to over 78 countries around the world. Its 10 manufacturing plants, with 505,000 spindles and 176 looms, produce high-quality cotton, mélange, synthetic and novelty yarns, along with suiting and denim fabrics.

To reduce our carbon footprint, RSWM's facility near Jaipur transforms waste PET bottles into FibreGreen®, our certified recycled polyester fibre. The flakes produced in the process can be cut into fibre of different denier which is spun into yarn. The factory manufactures 50 tons of FibreGreen each day.

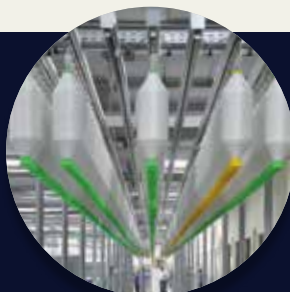


We use our ULTIMA yarns to produce beautiful textiles in hundreds of patterns, colours and constructions.



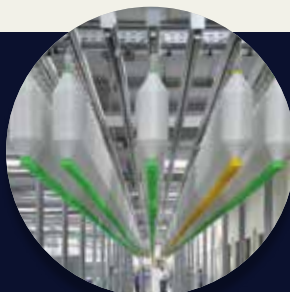
**1996**

RSWM Ltd. starts Wärtsilä captive power plant and generates in-house power



**2007**

RSWM Ltd. establishes LNJ Denim, obtains its first organic certification and opens second captive thermal power plant



**2011**

RSWM Ltd. establishes India's most sophisticated automated spinning plant in Bhilwara, marketing quality yarns under the name ULTIMA



**2015**

RSWM Ltd. begins producing FibreGreen (recycled polyester fibre)

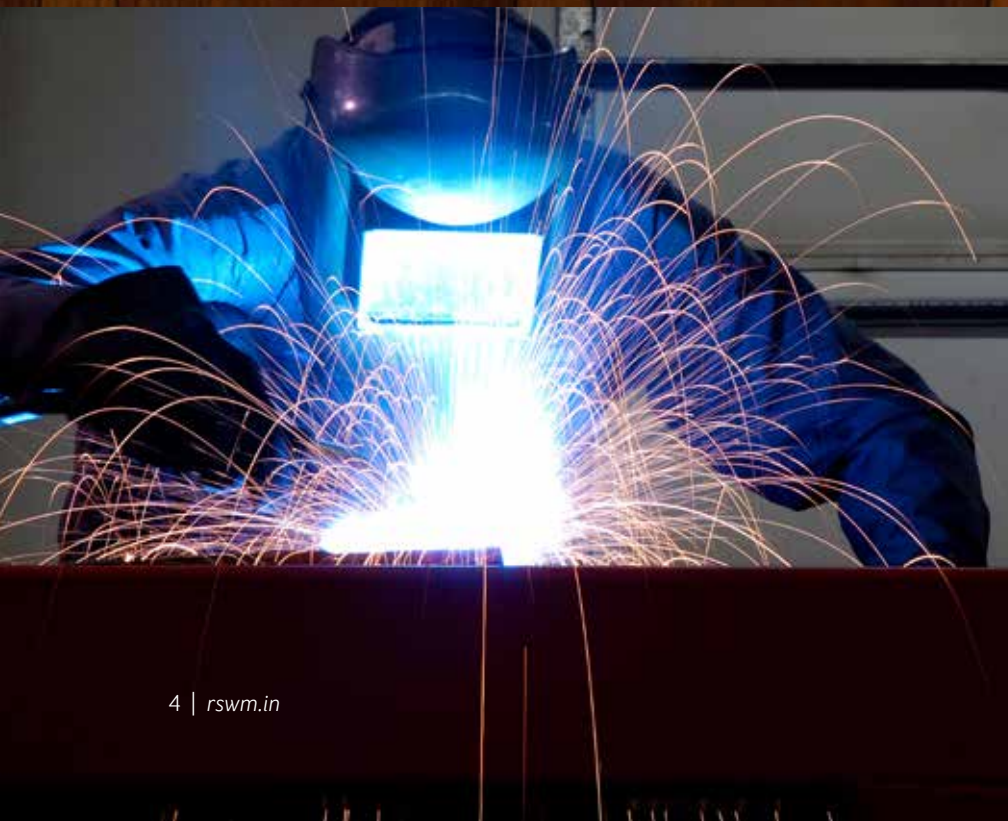
**2016**

RSWM Ltd. launches RSWM EDGE, our premium brand of value-added yarns

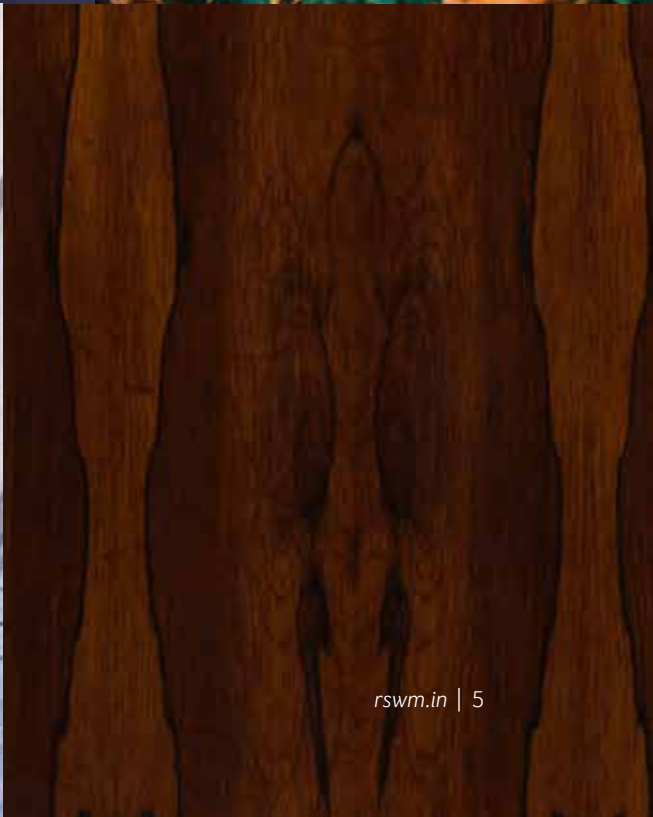


## RSWM Markets

Our diverse products are used in many different markets worldwide. Our yarns and fabrics can be customised for high-end fashion apparel and activewear. With our advanced technology in fire retardancy, bacterial resistance and moisture control, we create fabrics and yarns suitable for uniforms for students and government professionals as well as protective wear for military personnel and other high-risk professions. We also specialise in home and commercial interior textiles used for curtains, carpets, bed covers and upholstery.











## RSWM Yarn Range

With eight technically advanced spinning facilities and a dedicated research and development team, RSWM has a yarn range unmatched by the competition.

RSWM EDGE, our premier spinning operation, is housed at one of our factories near Udaipur. It produces custom-blended yarns from a portfolio of over 70 plant, synthetic, man-made and luxury fibres.

## COTTON YARNS

We practise the international standards set by the Fairtrade Foundation when sourcing our cotton fibres. We purchase all grades of cotton for our customers' needs but mostly focus on long-staple fibres.

We proudly offer recycled yarns in our fabrics. Our state-of-the-art Garnett machine efficiently breaks down post-consumer waste fabrics and converts them into new usable fibres—we're weaving new fabric while eliminating excess waste from landfills.

## SYNTHETIC YARNS

Our premium yarn spinning operation, RSWM EDGE, provides the technical resources and versatility to manufacture products from any type of fibre—plant or man-made. At RSWM EDGE, we



Our flame-retardant fabrics are made with sophisticated nanotechnologies, creating a lifelong bond with the textile that does not wash off.

continuously develop new fabrications from innovative fibres like bamboo, modacrylic, Sorona® stretch, fire-resistant viscose and COOLMAX®. We can blend fibres in any combination imaginable for apparel that ranges from high-street fashion to industrial workwear.

## ECO-FRIENDLY, NATURAL AND GREEN YARNS

To reduce our carbon footprint, RSWM's facility near Jaipur transforms waste PET bottles into Fibre Green, our certified recycled polyester yarn. This factory manufactures fibre-dyed yarns and has a spinning and draw fibre line capacity of 50 tons per day.



RSWM purchases long-staple cotton for our spinning facilities, ensuring a superior-quality textile as the finished product.

We believe in supporting a universal standard for sourcing organic cotton fibres. We follow the processes set by the Global Organic Textile Standard (GOTS), the Better Cotton Initiative (BCI) and the Fairtrade Foundation.

Our organic cotton is mostly sourced from the domestic market with some international purchases. We focus the majority of our purchasing on long-staple fibres so we can spin the best-quality yarns for our customers.

RSWM EDGE uses eco-friendly and natural raw materials like recycled polyester, organic cotton, bast bamboo, bamboo viscose, soya, milk, corn fibre, charcoal fibre, lyocell, modal, silk, linen, wool, cupro, banana, Crabyon® and SeaCell®. We can develop these natural materials into 100% pure fibres, blend them with other fibres or spin them with any man-made fibres.



## CORE-SPUN YARNS

Core-spun yarn is created by twisting staple fibres of one type around a second central core fibre—mainly polyester, polyamide or polyurethane. This is done to enhance a fabric's functional properties, such as strength, durability and stretch comfort.

## ZERO-TWIST YARNS

Zero-twist yarns are created by twisting cotton (or another fibre) with polyvinyl alcohol (PVA). In boiling water, the PVA dissolves and the cotton untwists, creating more loft and surface area. Used mainly in towels and home furnishings, zero-twist yarns provide excellent resiliency, absorption and softness.

## HOLLOW-CORE YARNS

Hollow-core yarns form air pockets in fabric. This allows the fabric to have a higher level of heat retention, feel lightweight, absorb moisture quickly and dry quickly.

## GREIGE YARNS

We produce greige yarns used for weaving, knitting, sewing and industrial applications at a pair of factories near Udaipur. These facilities are equipped with state-of-the-art machinery from Switzerland, Germany, Italy, Korea and the United Kingdom. They have

a combined total of 148,000 spindles and produce 18,000 metric tons of yarn per year in a count range of Ne 6s–60s.

## DYED YARNS & FANCY YARNS

Our dyed and fancy yarns are produced at facilities located in Bhilwara, Rajasthan and near Jaipur. These two factories excel in dyeing fibres and creating fancy yarns like slub, spiral, loop and chenille.

## MÉLANGE YARNS

Mélange yarns blend coloured fibres to create a range of effects in the woven or knit fabric, from subtle to bold. RSWM has nearly two decades of experience creating superior mélange yarns under the brand name Melantra. Our mélange yarn production is housed at two factories in Bhilwara, Rajasthan.

We produce 14,000 metric tons of mélange annually on 75,000 spindles. Our cotton fibre-dyeing machines are capable of producing 10,000 metric tons annually and our yarn-dyeing machines can produce 4,000 metric tons annually.





The SJ-11 spinning unit at Bhilwara, Rajasthan utilises the most advanced machinery available to produce our ULTIMA greige yarn.

### OUR CLIENTS



























## RSWM Fabric Range

RSWM's collection ranges from premium wools to innovative denims and everything in between. Benefitting from our advanced research, we have the ability to add any combination of performance technologies to our extensive range of fabrics.

Cannello and Mayur offer RSWM's premier fabric collections. Clients can select from our vast library of designs or have their fabrics custom engineered.



## LNJ Fabrics

At LNJ Fabrics we manufacture hundreds of fabric designs and colour combinations in a wide variety of blends. We take pride in our research and development process to ensure our constructions, patterns and colours are innovative and trend relevant.

Our Mayur line offers classic fabrics in a wide range of fibre blends at an affordable price. These quality fabrics are available for export as well as fine domestic tailoring. Internationally, our Mayur collection is used by some of the world's leading fashion brands, including Kenneth Cole, Marks & Spencer, Perry Ellis, Ann Taylor and H&M.

The Cannello line at LNJ Fabrics is our premium collection inspired by European craftsmanship. We offer 100% linen, cotton/linen, Terylene™/rayon, polyester/wool and wool/polyester/nylon tweeds.

In 2005, we began using nanotechnology on our fibres and fabrics. Nanotechnology applies chemicals made at the nano level—a size as small as a billionth of a metre. These nano particles can improve a fabric's performance, with water and flame resistance or antibacterial properties, without a significant change in weight, thickness or stiffness.

### OUR CLIENTS

ANN TAYLOR



KENNETH COLE  
new york

MARKS &  
SPENCER

P E R R Y   E L L I S ®



LNJ Fabrics can apply moisture management and stain-resistant finishes to professional and school uniforms.

# LNJ Denim

Established in 2007, LNJ Denim produces 25 million metres of denim fabric annually. We have earned an excellent reputation amongst international and domestic brands as an innovator and a quality supplier of denim fabric.

Our range includes traditional constructions like twills and selvedge denim in 100% cotton, as well as novelties such as our double-faced knit-look fabrics, jacquards and performance blends.

## SPINNING FIBRES

LNJ Denim develops its own yarns on ring, open-end and compact spinning machines. We offer single-ring core-spun yarns with LYCRA®/spandex at the core, and dual-ring core-spun yarns with T400/LYCRA or polyester/spandex fibre combinations at the core.

Our open-end spinning process is very efficient for heavier fabrics like denim and poplin, and can add 20% more twist to fibres, creating a more textured and unique look.

## DENIM YARNS

At LNJ Denim, we can spin any yarn combination to create personalised denim fabrics: from traditional to cutting-edge.

We are proud to be an organic cotton resource for our customers; organic cotton equals about 20% of our total cotton consumption.

## COLOUR AND DYEING

LNJ Denim's state-of-the-art facility produces true indigo-dyed yarns. These indigo yarns can be used in weaving constructions suitable for denim fabrics as well as yarn-dyed shirting weights and chambray constructions.



LNJ Denim blends innovation with traditional denim constructions to create on-trend textiles for all market levels.

## WEAVE STRUCTURES

LNJ Denim has a wide variety of looms to create endless denim design options. In addition to traditional shuttle-loomed denims, we are equipped to produce novelty weaves like dobbies and unique jacquard patterns. We produce left-hand and right-hand twills, corduroy and double-cloth structures in a range of weights. We can also produce a knit-look denim fabric, using a unique weaving technology to give the appearance of a double-face or loop-back structure.

## FINISHING AND FUNCTION

LNJ Denim offers a wide range of novel fabric finishes using the latest methods and technologies, including polyurethane, acrylic, colour coatings and wax-top treatments. We also offer antimicrobial, antiodour, fire-retardant and other performance finishes.



## OUR CLIENTS

We are proud to provide the finest denim and expert production for some of the world's greatest brands:

Abercrombie & Fitch

 Allen Solly™

ANN TAYLOR

BANANA REPUBLIC



 caro



DEBENHAMS  
BRITAIN'S FAVOURITE DEPARTMENT STORE

DIESEL



GINI & JONY



H&M

HILFIGER  
DENIM

JACK & JONES®

JCPenney

 JORDACHE

KOHL'S  
expect great things

Lee®

Levi's®

MCS

mavi

MUFTI  
alternative clothing

MUSTANG  
JEANS

next

OJG  
ONE JEANSWEAR GROUP

Pepe Jeans  
LONDON

for all mankind

spykar

UNITED COLORS  
OF BENETTON.

U.S. POLO ASSN.  
SINCE 1890



VANHEUSEN

Walmart  
Ahorras Dinero. Vives Mejor.

Wrangler

ZARA

# Excelling in Textile Engineering

We support our clients' creativity with state-of-the-art machinery. RSWM Ltd. employs skilled textile engineers to operate our world-class equipment. As safety is our priority, our facilities are well-lit, air-conditioned and clean. We adhere to strict safety standards and our factories have achieved OHSAS 18001 and SA-8000 certificates.

RSWM Ltd. has earned The Synthetic & Rayon Textiles Export Promotion Council (SRTEPC) gold trophy for exports made of Man-Made Fibre Spun Yarn for 20 consecutive years. Other honors include a second-place prize for the State Energy Conservation Award and the prestigious Rajiv Gandhi Award for excellence in performance.

## RSWM YARNS

### TRUETZSCHLER & LMW • BLOW ROOM



### FULLY AUTOMATIC LMW LF 4200 AX SPEED FRAME



### MURATEC 21C • LINK CONER



### LMW LC333 • CARDING



### LMW LR-9 AXL • RING FRAME



### NEUENHAUSER • FULLY AUTOMATIC PACKAGE UNLOADING & PACKING SYSTEM





Yarn passing through the rope dye range. The dark blue yarns at the left have completed many passes through the dye bath. The lightest yarns at the far right have just begun. They lose their greenish cast as the dye oxidises, and will darken with each successive pass until we achieve your desired shade of blue—up to 16 dips.

## LNJ DENIM

### SCHLAFHORST • AUTOCORO 360



### GRIFFIN • BALL WARPING



### MORRISON • ROPE DYE RANGE



### PICANOL • AIRJET & RAPIER LOOM



### MORRISON • INTEGRATED FINISHING RANGE



### MAAG-IQ-TEX • INSPECTION SYSTEM





# Sustainability

RSWM Ltd. is committed to processes and technologies that help keep our environment green and our business sustainable.

## CLEAN ENERGY

LNJ Bhilwara Group established Bhilwara Energy Limited for the development and operation of renewable energy in India and overseas. In 1996, we established a Wärtsilä captive power plant. We continue to invest in renewable energy sources, successfully commissioning two hydro- and three wind-power projects aggregating a total of 361.5 MW. We are proud to partner with global leaders in a joint energy venture and consult on several sustainable power projects in Asia and Central America.

Access to our own energy source affords independence from India's power grid and provides uninterrupted production in our factories.

## RESPONSIBLE PRODUCTION BY RECYCLING

We proudly offer recycled yarns in our fabrics. Our state-of-the-art Garnett machine efficiently breaks down post-consumer waste fabrics and converts them into new usable fibres—we're weaving new fabric while eliminating excess waste from landfills. Our Fibre Green facility transforms waste PET bottles into recycled polyester.

## SUSTAINABLE WATER MANAGEMENT

We also offer fabrics dyed with advanced techniques that use less water and chemicals. To round out our efforts, we treat all our post-process water in our own effluent treatment plant and further purify it via reverse osmosis before returning it to the environment cleaner than before.



Eucalyptus from sustainably managed plantations such as this one provide cellulose for lyocell, one of many fibres we can utilise in your fabric.



# Corporate Social Responsibility (CSR)

LNJ Bhilwara Group believes in eradicating hunger and poverty; providing medical care; promoting education, arts and culture; and protecting our national heritage sites.

## COMMUNITY SERVICE

We provide free medical care with qualified doctors to the general public at outpatient walk-in centres. We distribute free medicine amongst economically disadvantaged patients and provide health care checkups for villagers and their families.

Clean water for our citizens is of critical importance to the group. We have installed potable water coolers equipped with reverse osmosis (RO) filters in Mandideep, Madhya Pradesh and nearby areas. We have also installed these same RO filter coolers for local hospitals.



LNJ Bhilwara Group is committed to education and has provided opportunities to more than 12,000 students through the Graphite Higher Secondary School. At the Asha Niketan School, Bhopal, we have eliminated all educational expenses for hearing-impaired students, including boarding fees, costs of books and uniforms.



## CSR ACHIEVEMENTS

We focus on improving the quality of life of the people working and living in and around our facilities. LNJ Fabrics has been awarded SA 8000:2008 certification for social accountability as well as OHSAS 18001:2007 certification.



# Certifications and Awards

RSWM has been awarded several certifications by international organisations:

- ISO 9001:2008 Quality Management Systems
- ISO 14001:2004 Environment Management Systems
- OEKO-TEX Standard 100 Class I Protection of Harmful Substances
- SA 8000:2008 Social Accountability Certification
- Global Recycle Standard (GRS)
- Fairtrade by FLO-Cert
- OHSAS 18001:2007 Occupational, Health & Safety Assessment Series
- EnMS 50001:2011 Energy Management System
- GOTS-IN Global Organic Textile Standard
- OCS-IN Organic Content Standard

## DOMESTIC AWARDS

- Awarded the Star Trading House by the Government of India
- Winner of SRTEPC Highest Export Award for polyester/viscose yarn exports for the past 19 years
- Awarded the 2007 Excellence Award for Financial Performance and Analysis instituted by Rajasthan Chamber of Commerce and Industries
- RSWM's unit near Udaipur was awarded the National Export Award and the SRTEPC excellence award for highest production of exports of 100% polyester spun yarns
- Three-time winner of the Rajiv Gandhi National Quality Award
- Received the Rajasthan Export Award for 2009 and 2010
- Awarded the Rajasthan Energy Conservation Award in the Textile Sector
- Awarded the TEXPROCIL Export Award Bronze Trophy for the export of mélange cotton yarns and the Silver Trophy for the export of cotton denim fabric



# LNJ Bhilwara Group

## TEXTILES

### RSWM Ltd.

1. Kharigram
2. Mayur Nagar, Banswara
3. Mandapam
4. Kanya Kheri
5. Rishabhdev
6. Ringas

Fibre Dyeing, Spinning & Grey Yarn  
Spinning PV Blended, Cotton & Open-End Grey Yarn  
Mélange Yarn, Fibre-Dyed & Yarn-Dyed  
Mélange Yarn, Fibre-Dyed & Yarn-Dyed  
Spinning PV Blended Grey Yarn  
Fibre Dyeing & Spinning Dyed Yarn,  
Recycled Polyester Fibre (Fibre Green)  
Spinning, Weaving, Processing & Finishing  
Cotton Ring & Open-End Spinning, Weaving & Rope,  
Dyeing, Processing & Finishing Denim Fabric and  
Readymades  
Thermal Power Generation  
Cotton Spinning and Gassed Yarn  
Cotton Yarn Twisting

7. Mordí (LNJ Fabrics)
8. Mordí (LNJ Denim)

9. LNJ Nagar, Mordí
10. Bagalur
11. Puducherry

### Maral Overseas Ltd.

12. Maral Sarovar
13. Maral Sarovar
14. Noida

Cotton Spinning, Yarn Dyeing, Knitting, Dyeing &  
Finishing  
Captive Thermal Power  
Knitted Garments

### BSL Ltd.

15. Bhilwara
16. Jaisalmer

PV & Worsted Spinning, Weaving & Silk Fabric  
Wind Power Generation

### BMD Pvt. Ltd.

17. LNJ Nagar, Mordí

Automotive Furnishing Fabric, Flame-Retardant  
Fabric, Furnishing Fabric  
Solar Power Generation  
Wind Power Generation  
Wind Power Generation

### Bhilwara Technical Textiles Ltd.

21. LNJ Nagar, Mordí

Technical Textiles

## GRAPHITE

### HEG Ltd.

22. Mandideep
23. Mandideep
24. Tawa

Graphite Electrodes  
Captive Thermal Power  
Captive Hydro Electric Power

## POWER

### Malana Power Company Ltd.

25. Malana (Kullu)

Hydro Electric Power Generation

### AD Hydro Power Ltd.

26. Manali

Hydro Electric Power Generation

### NJC Hydro Power Ltd.

27. Tawang

Hydro Electric Power Generation

### BMD Power Pvt. Ltd.

28. Vhaspeth (Maharashtra)

Wind Power Generation

### BMD Renewable Energy Pvt. Ltd.

29. Ratlam (Madhya Pradesh)

Wind Power Generation

### Indo Canadian Consultancy Services Ltd.

30. Noida

Power Engineering Consultancy Services

### Chango Yangthang Hydro Power Ltd.

31. Kinnaur

Hydro Electric Power Generation

### Bhilwara Green Energy Ltd.

32. Satara

Wind Power Generation

### LNJ Power Ventures Ltd.

33. Jaisalmer

Wind Power Generation

## INFORMATION TECHNOLOGY

### Bhilwara Infotechnology Ltd.

34. Bhopal
35. Bengaluru

IT Services/Medical Transcription Services  
IT Services/Medical Transcription Services

## OFFICES

### Corporate Office

36. Noida (NCR-Delhi)

### Regional/Marketing

37. Mumbai
38. Kolkata
39. Bengaluru
40. New Delhi
41. Ludhiana
42. Bhilwara

43. Ichalkaranji
44. Indore
45. Kanpur

46. Tirupur
47. Ahmedabad



**RSWM Limited**  
an LNJ Bhilwara Group Company

**CORPORATE AND MARKETING OFFICE**

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