

**Aluminium Drawn Tube  
For  
PP Multi-Filament Spin-Draw-  
Wind Lines**



# About Siddhi Group

3+ decades of experience in Aluminum Precision Drawn Tubes & Metal Cops



— Our products are used across multiple industries —



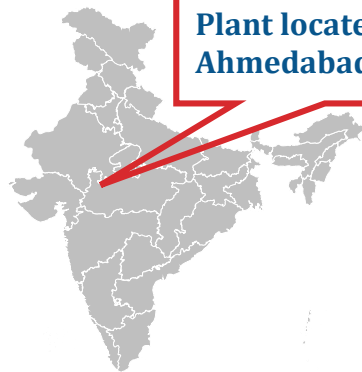
Who are we?

**Diversified Group with 2 holding companies**

- **Siddhi Engineers** : Manufacturer of Aluminum Precision Drawn Tubes from 20 different alloys since 1988
- **Samrudhi Engineering** : Engaged in manufacture of Metal Cops (bobbins/ pirns) for synthetic yarn winding since 1992



Strategically located  
in Western India to  
wide range of  
industrial segments



Plant located in  
Ahmedabad, Gujarat



Textile (incl.  
packaging )



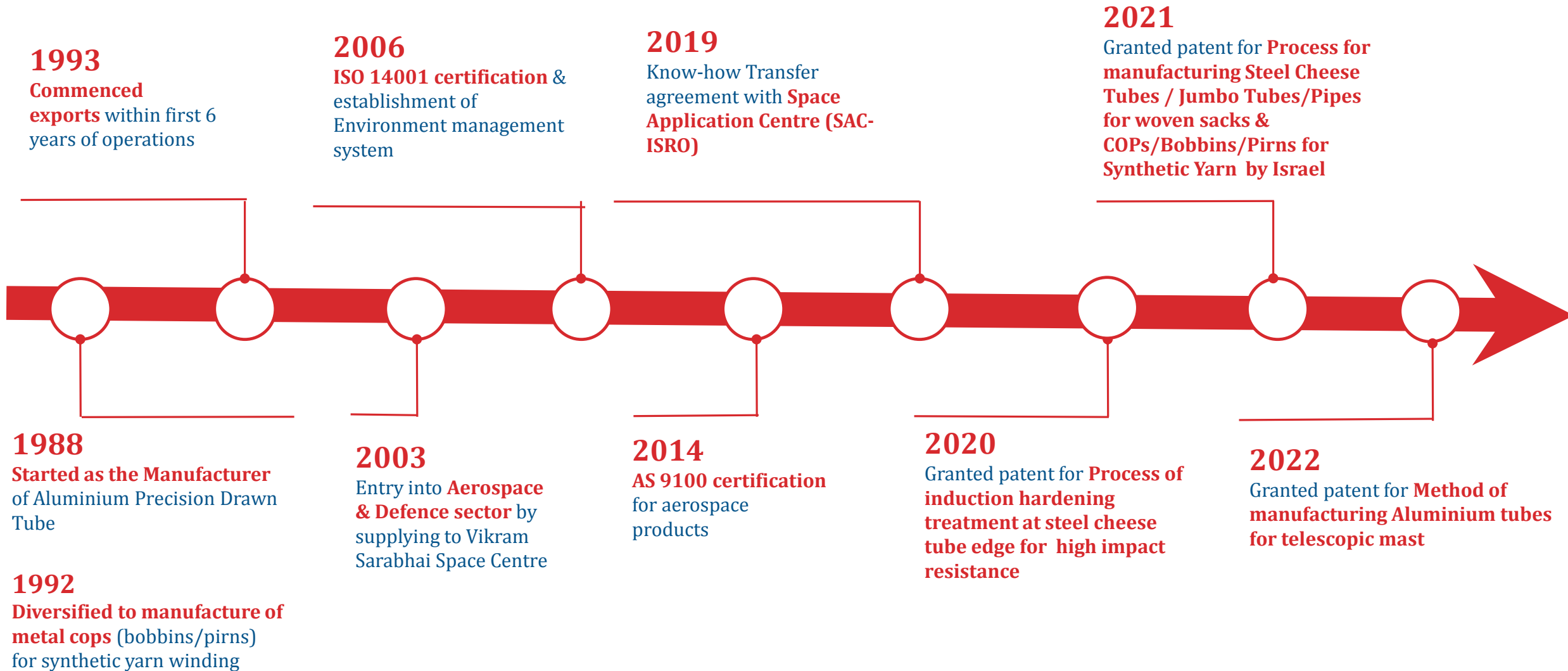
Aerospace &  
Defence



Industrial &  
General  
Engineering



# Our innovation led Journey that aimed import substitution for India...



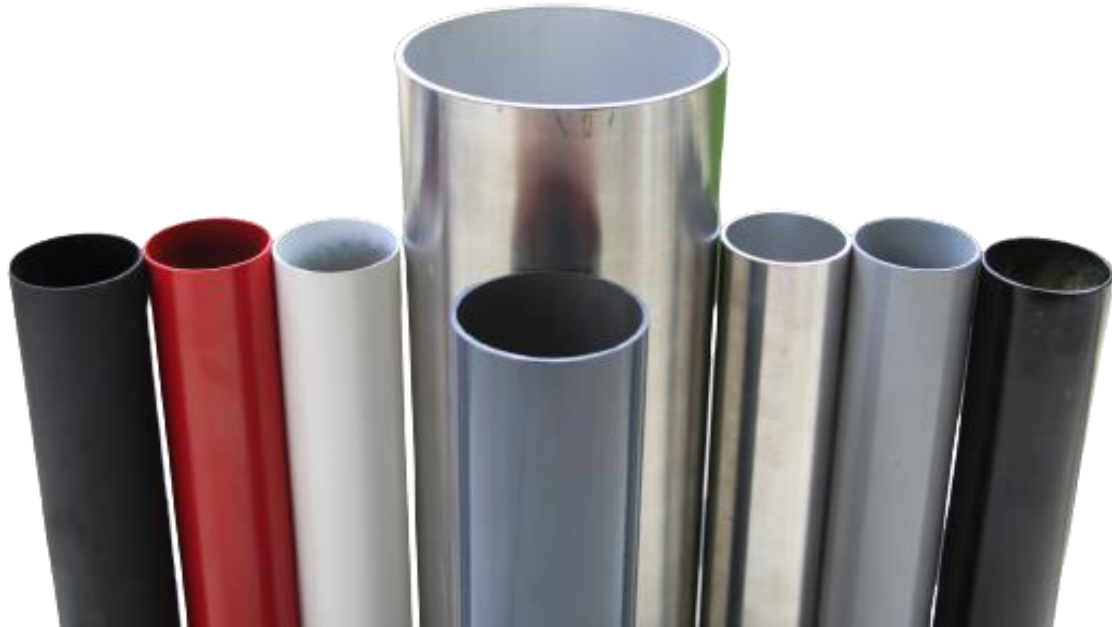




# **Products for PP Multi-Filament Spin-Draw-Wind Lines**



# Products for Woven Sack & Allied Industries



*Steel / Aluminium Cheese Tubes*



**PP/HDPE  
Flat Tape  
Winding**



**FIBC  
Industry**



# Products for Woven Sack & Allied Industries



***Jumbo Tubes***



**FIBC  
Industry**



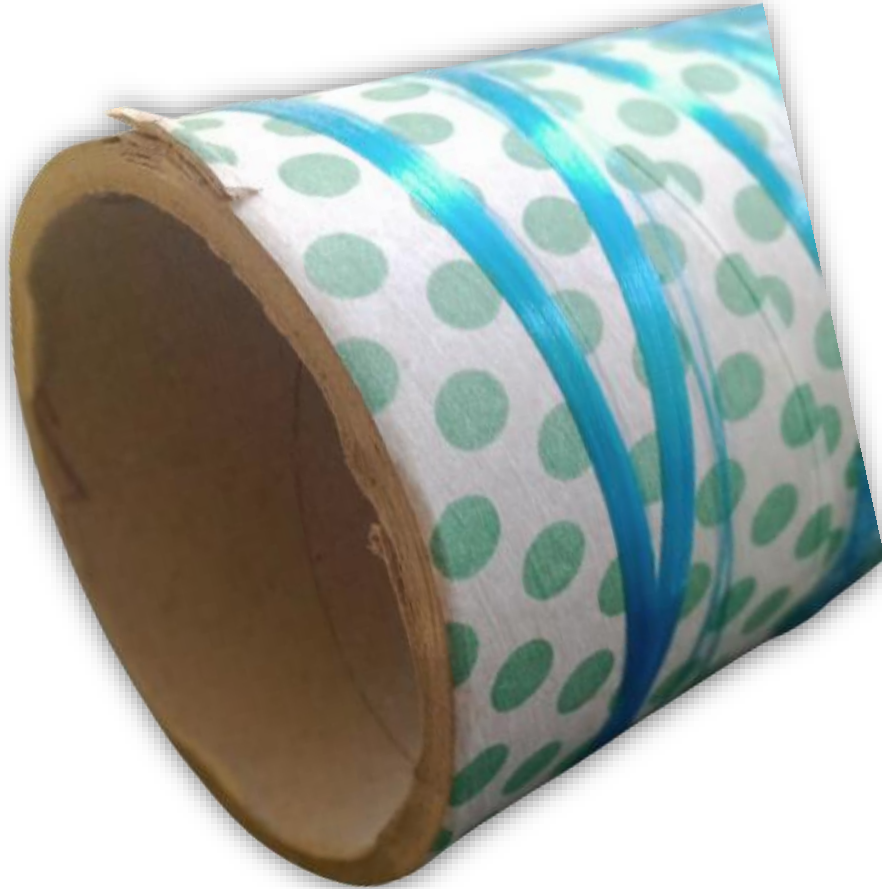
**Carpet  
Backing  
Thread**



**Geo-Textile  
Industry**



# Pain Points of using Paper Tubes



**End Damage while Fitment  
Impact on Spindle**



**Damage due to Atmospheric  
Effect**



**Damage due to Miss-  
handling / Transportation**



# Introducing Aluminium Drawn Tube for Multi-Filament Yarn



***Paper Tube*** to be replaced by  
Aluminium Drawn Jumbo Tubes  
for In-house Yarn processing



***Aluminium Drawn Jumbo Tube*** for ***Multifilament Yarn***  
***Size: ID 110 x OD 116 (in mm)***  
***1<sup>st</sup> time in the world***



# Value Proposition

Yarn produced with a better WINDING QUALITY



Increased Life by Number of Cycles

80%

Reduced Cost per Kg Production in regards to Yarn Carrying

No Repeated Buying of Tubes



Scrap Value is Min. 50% of its Purchased Cost



Scrap Value



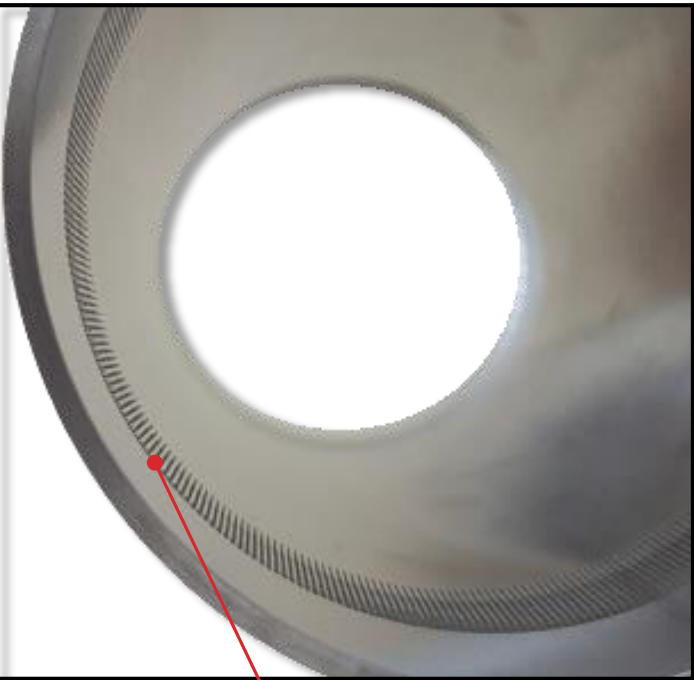
Less Damage in Handling & No Deformation due to Atmospheric Effect



Space Utilization as Less Stock Keeping



# Additional Features for Creating Functional Advantages



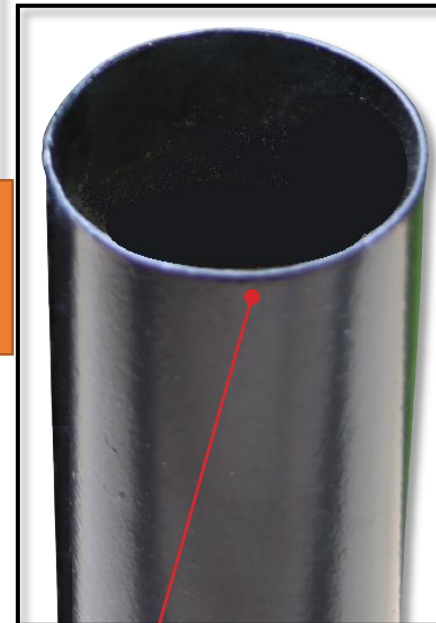
Internal  
Knurling



Longitudinal  
Grooving



Micro Grooving on  
OD circumference



Anodizing /  
Powder Coating



Rough OD  
Surface



## Useful Videos

**Applications  
and  
advantages  
of different  
products by  
Siddhi Group**

**Get more  
details  
through  
YouTube  
Videos**



<https://www.youtube.com/watch?v=ZJFaRSz6GCE>



[https://www.youtube.com/watch?v=IMA\\_lgrjvvQ](https://www.youtube.com/watch?v=IMA_lgrjvvQ)

# Multi-Filament



# Products Manufactured from Aluminium and Steel Tubes



EXPORTING TO

**30+**

COUNTRIES



*For Multifilament Yarn, Woven Sack, FIBC, Geo-Textile, Carpets,  
Aero Space, Defence, Automobile, Telecommunications &  
Automation Industries*



# Awards & Certifications



50+ awards and counting

Certifications



Export Excellence



Research & Development



Entrepreneurship



Banker' award



Make in India award



Gold Medals from SAME (2009, 2017)

ZERTIFIKAT ♦ CERTIFICATE ♦ 證書



## CERTIFICATE

The Certification Body  
of TÜV SÜD South Asia Private Limited  
certifies that



**SAMRUDDHI ENGINEERING**  
"SIDDHI HOUSE" 6, Virkunj Society,  
Near Vidyanagar School, Usmanpura,  
Ahmedabad - 380014, Gujarat, India

has implemented Quality Management System  
in accordance with ISO 9001:2015  
for the scope of

Sales and Marketing of Steel/ Aluminium COPS (Bobin/Pirn) and COPS  
Accessories including ABS Antistatic Sleeves used for Synthetic Yarn  
Winding, ABS & Engineering Plastics Extruded Tubes, Cheese Tube &  
Yarn Carrier.

The certificate is valid in conjunction  
with the main certificate from 2024-06-02 until 2027-06-01  
Subject to successful completion of annual periodic audits  
The present status of this certificate can be obtained through TÜV SÜD website by entering below QR code and by  
entering the certificate number (without space) on web page. Further information regarding the status & scope of  
this certificate may be obtained by consulting the certification body at [info@tuvindia.com](mailto:info@tuvindia.com)

Certificate Registration No. **99 100 2392501**  
Date of Initial certification: **2009-06-02**  
(Note: initially the organization was certified by a different certification body)  
Issue Date: **2024-05-28 Rev. 00**



  
Rakesh Kalia  
Head of Certification Body  
of TÜV SÜD South Asia Private Limited  
Member  
Member of TÜV SÜD Group





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ZERTIFIKAT ♦ CERTIFICATE ♦ 證書

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The Certification Body  
of TÜV SÜD South Asia Private Limited  
certifies that



**SAMRUDDHI ENGINEERING**  
Survey No. 858, Village - Vadsar, Kaloj,  
Gandhinagar - 382721, Gujarat, India

has implemented Quality Management System  
in accordance with ISO 9001:2015  
for the scope of

Manufacture and Supply of Steel/Aluminium COPS (Bobin/Pirn) and  
COPS Accessories including ABS Antistatic Sleeves used for Synthetic  
Yarn Winding, ABS & Engineering Plastics Extruded Tubes,  
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Certificate Registration No. **99 100 2392502**  
Date of Initial certification: **2009-06-02**  
(Note: initially the organization was certified by a different certification body)  
Issue Date: **2024-05-28 Rev. 00**



  
Rakesh Kalia  
Head of Certification Body  
of TÜV SÜD South Asia Private Limited  
Member  
Member of TÜV SÜD Group





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# 7 Patents Received

## INDIA



**Process of induction hardening treatment at steel cheese tube edge for high impact resistance**

## ISRAEL



**Process for Manufacturing Steel Cheese tubes/ jumbo tubes/ pipes for woven-sacks and cops/ bobbins/ pirns for synthetic yarn**

## INDIA



**Method of manufacturing Aluminium tubes for telescopic mast**

## INDIA



**Process for Manufacturing of Steel cops/bobbins/prins for synthetic yarn**

High focus on R&D and Innovations

Spends around **5% of revenue** on R&D



# 7 Patents Received

INDIA



Process for **manufacturing of Aluminium alloy cheese tube, cheese pipe or bobbin for woven sack**

INDIA



Process for **Manufacturing Steel Cheese tubes/ jumbo tubes/ pipes for woven-sacks and cops/ bobbins/ pirns for synthetic yarn**

INDIA



**An Aluminium Alloy Bobbin With Internal Knurling for Improving Gripping And Manufacturing Method Thereof**

High focus on R&D and Innovations

Spends around **5%** of revenue on R&D



## Why **Siddhi Group** is best suited partner for your business



**State-of-the-art manufacturing facility** with robust quality management processes that ensures reliability and consistency



**Our commitment to manufacture products that have enhanced features for higher functional performance**



**In-house product development capabilities & customization to embedded in strong in-house research and development**



**Our demonstrated success of delivery in import substitution in 30+ years**



**Our partnership centric approach with our customers to solve their deepest problem in cost-effective and efficient way (E.g. ISRO, DRDL, BAPL etc.)**



# Successful client case studies of co-development, innovation and problem solving



**Supporting SAC(ISRO)** to design and build efficient and cost-effective satellite payload systems

**Context:** SAC(ISRO) wanted low weight substitutes for Brass/Copper/Aluminium-based waveguide tube of thickness 1.2 mm

**Approach:** Siddhi Engineers innovated & developed 0.63 mm thick aluminium based waveguide tubes

**15-20%**



lower weight leading to saving satellite launching cost

**2 Gold Medals**



from Society of Aerospace Manufacturing Engineer (2009, 2017)



**Helping Israel-based** textile player in developing cost-effective bobbin to save reverse logistics cost

**Context:** Nilit used heavy metal cops that led to cost (reverse logistics) and supply chain hassles (inventory management, paper work, etc.)

**Approach:** Samruddhi Engineers re-designed & commercialized optimal grade steel tubes

**60%**



lower weight and zero reverse logistics



# 2 pronged approach to drive research and development within the group



## Collaboration and partnership with institutions to drive research and development



## Building culture of innovation and continual improvement



Monthly cadence of idea generation by involving shopfloor manpower (Karmayogi) to improve **product and processes**



Have developed **full time in-house innovation team** to drive change in equipment, process and products



Development of unique product features (light weight, better tolerance, optimal alloy composition, exceptional concentricity, etc.)



# Innovation and Culture Building Practices being adopted



**Daily Exercise, Prayer and Good News Sharing**



**Quarterly Karmayogi Meet**



**Graveyard for negative thoughts**



**Book distribution every month to all team members with their salary**



**Blood Donation & Dental Health check up  
Camps**





## BIG ON EXCELLENCE

### WISME ENTERPRISES

<b>Award Winner</b>	<b>Company</b>
Vishwajit Parikh	Shaswat Systems
Satish Parmar	Energy Mission Engineers
Mangambal Patel	Capline Tractors
Harshil Patel	Vasu Healthcare
Divyesh Doshi	Techno Industries
Chandrasekhar Kothiyal	Shree Hare, Alloy
Bhargav Patel	Genack Chemicals
Nilesh Shah	Siddhi Engineers
	Swan Sweets

### RESEARCH & DEVELOPMENT

<b>Award Winner</b>	<b>Company</b>
Chandrasekhar Dikshitar	Nobel Refrigerators
Mangambal Patel	Capline Tractors
Bhargav Patel	Techno Industries
Divyashil Patel	Siddhi Engineers
Harshil Patel	Vasu Healthcare

### QUALITY PRODUCTS

<b>Award Winner</b>	<b>Company</b>
Ramesh Khadiwala	Captain Polystyle

[illegible][illegible][illegible]

**સિથી** ગુપ્તા સમુદાય સંસ્થાનીયોને વેપારી ડો. રાજીવ શર્મા ૪૮ મી સરખી એવોર્ડ માર્ગદર્શન એન્જનીયરીંગ કમ્પ્યુટર પ્રમોશન કાર્ડનીસાથ નિર્મિત કરશે. ૨૦૧૫ સપ્ટેમ્બર ૨૦૧૫ સિલ્વર પેટ્રોલ માર્ગદર્શન

**નુસરા ખબર... લુચ્ચ અને ડેપીચર - વિવર્ય ડાઉન**

Digital Warp Com Wet-Feeder with D.C. System (2 in One)

**ગાલતી ટેકનોલોજી દ્વારા ગાલતીયો**

- નુસરી ઉપકરણ સ્થાપના સેવા
- સામગ્રી નુસરાવાળાને વેચાણ (સામગ્રી, કાર્ટ્રીજ, કોન્ટેનર, સ્પ્રેય, પાન મોડેલ અને કોન્ટેનર કોડ કોડ)
- સેવા નુસરા આપવા છે
- (સેટી કોડ અને સીસ કોડ)
- સીસ મોડેલનું કાર્ટ્રીજ સ્થાપના સેવા છે
- જરૂર હોય સીસ સ્થાપના અને સેટી કોડ સેવા (સામગ્રીની સુરક્ષાની સેવા)

**અન્ય પ્રોડક્ટ**

- ટીપ પાન સીસ (સુચર, રેડીયો, વોટરપ્રૂફ માટે)
- પેલુ ડિઝાઇનિંગ સેવા (સુચર માટે)

કેટલાક વિષયોમાં પેટ્રોલ વખતે જ વિકસાવવામાં આવ્યા છે. આ સંસ્થાના સીધા સંપર્કમાં આવ્યા હતા જેમાં સમુદાય એન્જનીયરીંગ કમ્પ્યુટર પ્રમોશન કાર્ડનીસાથ નિર્મિત કરશે. ૨૦૧૫ સપ્ટેમ્બર ૨૦૧૫ સિલ્વર પેટ્રોલ માર્ગદર્શન

**સમુદાય એન્જનીયરીંગ દ્વારા વિસાવપાનના અધ્યાપના કોચ વિસાવપાન સાથેથી માર્ગદર્શન પુનઃનિર્માણ દ્વારા સુચરવાળા માટેની ઉપકરણ સ્થાપના મેડેસુર ના છે. પાનના ઉપકરણ આ મોડે જ એવો કોચ વિસાવપાન છે.**

**સમુદાય એન્જનીયરીંગ કે જે**

સમુદાય એન્જનીયરીંગ દ્વારા વિસાવપાનના અધ્યાપના કોચ વિસાવપાન સાથેથી માર્ગદર્શન પુનઃનિર્માણ દ્વારા સુચરવાળા માટેની ઉપકરણ સ્થાપના મેડેસુર ના છે. પાનના ઉપકરણ આ મોડે જ એવો કોચ વિસાવપાન છે.

**સમુદાય એન્જનીયરીંગ કે જે**

સિલ્વર ટોટી અપેલ કરવામાં હતી. સિથી ગુપ્ત મુખ્યત્વે સ્વેચ્છી ઉત્પાદનો પર ધ્યાન કેન્દીત કરી હતું અને વિસાવપાન પોષાણા ઉપકરણની નિષ્કાસ કરી હતી. એવો એવો મેળવ્યો હતો. આ એવોર્ડ એન્જનીયરીંગ કમ્પ્યુટર પ્રમોશન કાર્ડનીસાથ નિર્મિત કરશે. ૨૦૧૫ સપ્ટેમ્બર ૨૦૧૫ સિલ્વર પેટ્રોલ માર્ગદર્શન

ing about the award-winning product, which is used to manufacture 'Wave Guide', a crucial component for space-earth linkage. Siddhi Engineers managed to nudge out a large multinational giant to bag the project from ISRO.





**SIDDHI GROUP**

## Key team & contact details



**Mr. Prashant Gandhi**  
Partner



**Mr. Bhagwat Patel**  
Partner



**Mr. Shailesh Patel**  
Partner



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<https://www.siddhiindia.com>

<https://www.cheesetubes.com/>