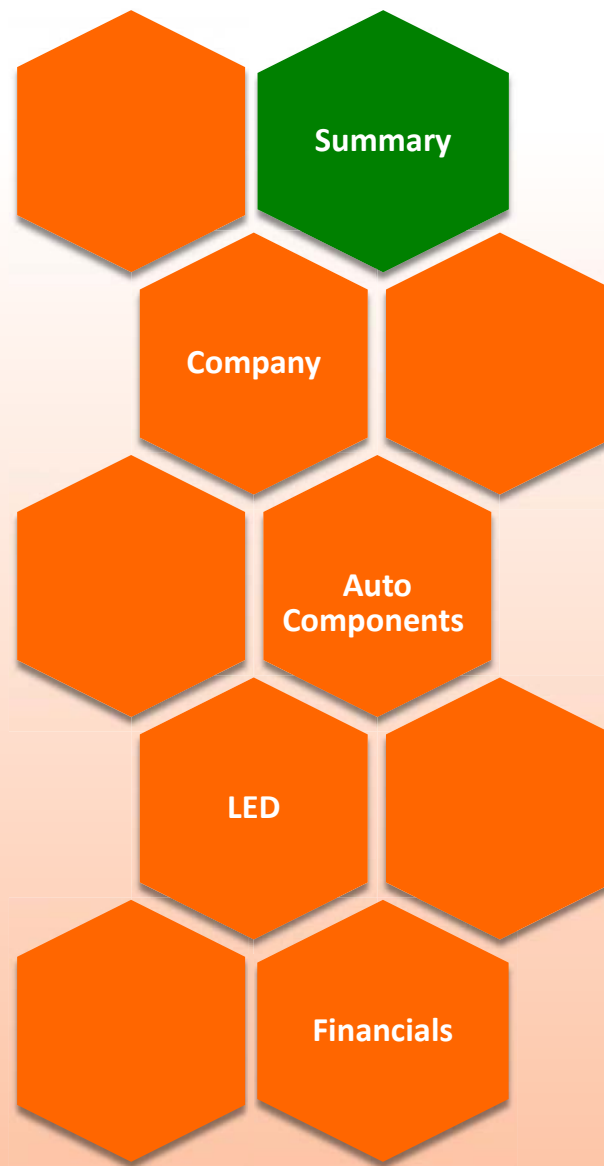




November 2018

Fiem Industries Ltd. – Investor Presentation



## Overview

- Fiem Industries Ltd. (FIEM) was founded and incorporated in 1989 by Mr. J.K. Jain.
- The Company was listed on BSE and NSE in 2006.
- FIEM is one of the leading manufacturers of Automotive Lighting & Signalling Equipments and Rear View Mirrors in India. FIEM is among first companies in India introducing LED lights in two wheelers.
- FIEM has diversified its product portfolio by entering into LED luminaires for Indoor and Outdoor applications and Integrated Passenger Information System for Railways & Buses.

## Products

### Automotive Segment

- Automotive Lamps - Head lamps, Tail Lamps, Blinker lamps, Fog lamps etc.
- Rear View Mirrors
- Sheet Metal Parts
- Plastic Moulded Parts

### LED Segment

#### ❑ LED Luminaires for Indoor and Outdoor applications

- LED Bulbs
- LED Tubes
- LED Down lights
- LED Street Lights
- Solar Based LED Street lights
- Solar Based LED Lantern

#### ❑ Integrated Passenger Information Systems with LED Display (IPIS) for:

- Buses, Railways, Metros, Airports, Malls

## Top Clients

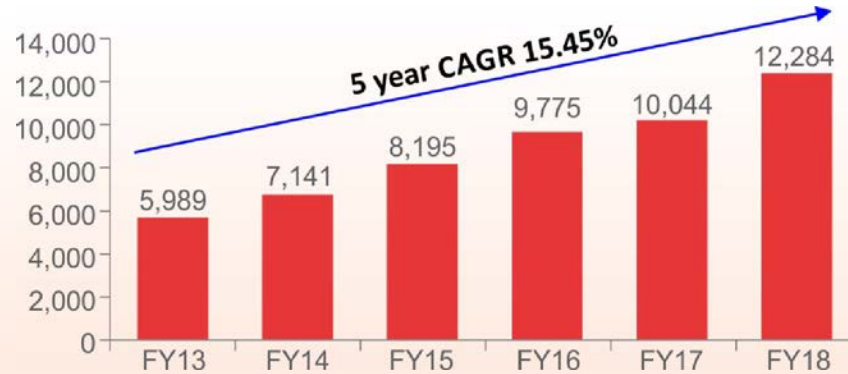
- **Two Wheeler** – Honda, TVS, Suzuki, Yamaha, Eicher Royal Enfield, Mahindra, Harley Davidson etc.
- **Four Wheeler** - Tata Motors, Force Motors, Honda Sael, GM, Hyundai, Daimler, Mahindra Reva etc.

## Standalone Financial Performance

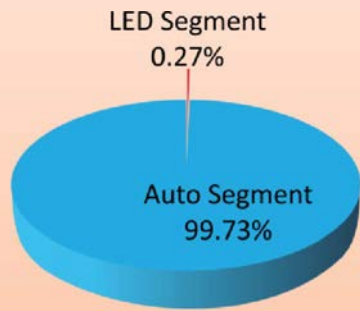
- **Net Sales** has grown from **INR 5,989 mn** in FY13 to **INR 12,284 mn** in FY18 at 5 year CAGR of **15.45%**
- **EBITDA** has grown from **INR 702 mn** in FY13 to **INR 1,452 mn** in FY18 at a 5 year CAGR of **15.64%**

# FINANCIAL SUMMARY (STANDALONE)

## Turnover (Net) Rs. in million

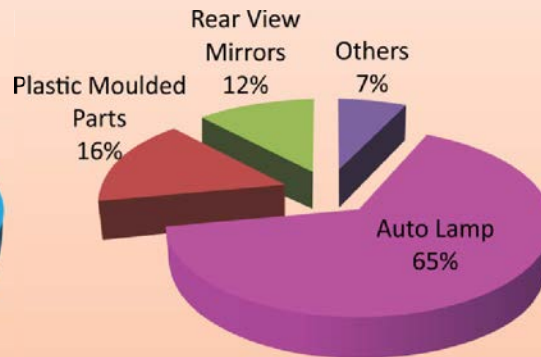


## FY18 Segment wise Sales Breakup



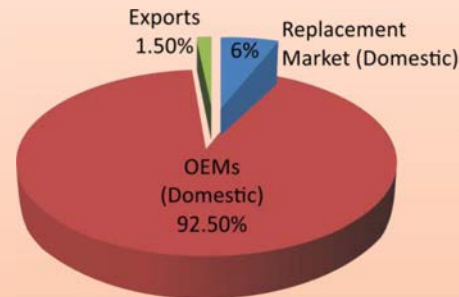
Auto Segment LED Segment

## FY18 Revenue Breakup Auto Segment - Product Mix



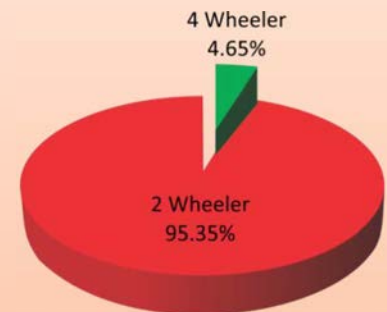
Auto Lamp Plastic Moulded Parts  
Rear View Mirrors Others

## FY 18 Revenue Breakup Auto Segment - Exports / OEMs / Repl. Market

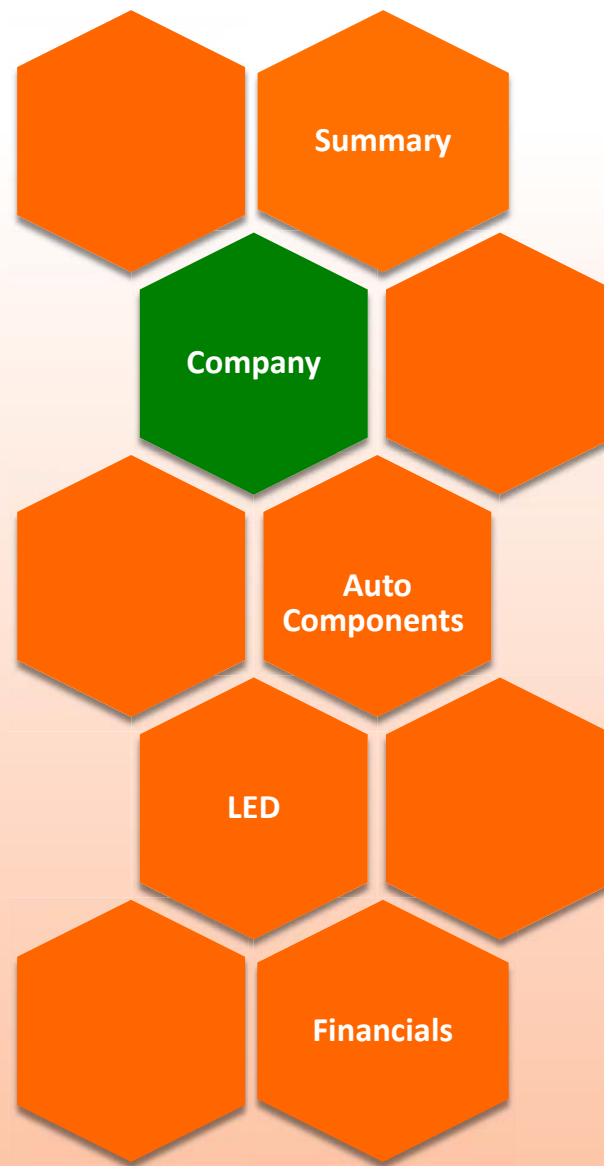


Exports OEMs (Domestic)  
Replacement Market (Domestic)

## FY 18 Revenue Breakup Auto Segment - 4 Wheeler / 2 Wheeler



2 Wheeler 4 Wheeler





- The Company was originally incorporated in India as Rahul Auto Private Limited on February 6, 1989 in New Delhi and was founded by Mr. J.K. Jain, who is a first generation entrepreneur and is in the automotive lighting business since 1970's.
- FIEM is one of the leading manufacturers of automotive lighting & signalling equipments and rear view mirrors in India. Its major business comes from the two-wheeler segment of the automotive industry.
- FIEM has a diversified product portfolio ranging from head lamps, tail lamps, signalling lamps, roof lamps, rear view mirrors, wheel covers, warning triangles, complete rear fender assembly, frame assembly, mudguards, various automobile sheet metal and plastic parts.
- FIEM has already diversified its product portfolio by venturing into LED Luminaires for Indoor and Outdoor applications and Integrated Passenger Information Systems with LED Display.
- The Company is fully equipped with world class R&D and testing facility and has developed in-house capabilities in LED technology and manufacturing.
- The Company has following Wholly-owned Subsidiaries and J.V. Companies
  - Wholly-owned Subsidiaries
    - Fiem Industries Japan Co., Ltd. (Japan)
    - Fiem (Thai) Design & Technology Co., Ltd. (Thailand)
  - JV Company
    - Centro Ricerche Fiem Horustech SRL (Italy)
    - Fiem Kyowa (HK) Mould Company Limited (Hong Kong)
    - Aisan Fiem Automotives India Pvt. Ltd. (India)

## **Mr. J. K. Jain, Chairman & Managing Director**



- aged 66 years is the Chairman and Managing Director of our Company. As the chairman and managing director of our Company, he is involved in mentoring the leadership team, advising on business strategies and in various aspects of the Company's expansion and diversification plans. He has more than four decades of experience in manufacturing of automotive lighting and signalling equipment and has played a significant role in growth and diversification of our Company. He has won many accolades and awards in India and overseas Including Life Time Achievement Award presented by India International Council for Industries & Trade, National Achievement Award for Business Excellence presented by Indian Society for Industry & Intellectual Development and Outstanding Entrepreneurship Award presented by Enterprise Asia.

## **Mrs. Seema Jain, Whole-time Director**



- aged 64 years, is the whole-time Director of our Company. She is the wife of J.K. Jain. She belongs to a business family and was involved in her family business from an early age. She holds a bachelors' degree in Science from the University of Delhi. She is actively involved in decision making in our Company besides overseeing the finance functions.

## **Ms. Aanchal Jain, Whole-time Director**



- aged 36 years, is the whole-time Director of our Company. She has completed her Masters in Business Administration from Indiana Institute of Technology. She takes care of the human resource management functions of our Company and is also actively involved in skill development and labour welfare programmes being undertaken in our Company.



## **Mr. Rahul Jain, Whole-time Director**

- aged 33 years, is a whole-time Director of our Company. He has completed his Bachelor of Science and thereafter Management Studies from University of Bradford. He is involved in strategic affairs and corporate planning besides close interaction with customer for customer satisfaction and initiatives for new projects. He also oversees the manufacturing operations of various units periodically.



## **Mr. J.S. S. Rao – Whole-time Director**

- aged 61 years, is the whole-time Director of our Company. He was appointed on the Board of our Company in December, 2005. He has an overall experience of over 30 years in automotive lighting and components industry involving manufacturing, operational and business strategic functions. He is presently responsible for the overseas and south India operations of our Company.



## **Mr. Kashi Ram Yadav – Whole-time Director**

- aged 62 years, is the whole-time Director of the Company. He has been associated with our Company since its inception and has more than 30 years' experience in production and manufacturing operations of automotive lightings, signaling equipment and rear view mirrors. He was appointed on the Board of our Company in October, 2008. He is presently responsible for production and manufacturing operations in north India facilities of our Company.





## 1989-1993

- 1989- Incorporated as Rahul Auto Private Limited
- 1992- Name changed to Fiem Industries Pvt. Ltd.
- 1993- Converted into Public Limited- Fiem Industries Limited



## 1994-2000

- 1994- A new state of art Plant was established at Kundli, Sonapat (Unit 1)
- 1996- Fiem Sung San (India) Ltd., a JV Company was established
- 1998- Multi Focal Reflector first time introduced in India by FIEM



## 2001-2010

- 2004 & 2005- setup mfg facilities in Hosur (Unit 2&3) Mysore (Unit 4)
- 2005 & 2006 – setup mfg facilities Hosur (Unit 5), Nalagarh (Unit 6)
- 2006 – Initial Public Offering
- 2007- Merged Fiem Sung San with Fiem Industries
- 2007 – Setup LED SMT plant
- 2010 - Started new manufacturing Unit in Rai, Sonapat (Unit 7)



## 2011-2016

- 2011 – Setup facility for mfg Plastic moulded parts in Tapukara (Unit 8)
- 2011 – FIEM R&D Centre approved by Govt. of India
- 2012- Started manufacturing auto lamps and components for Honda Japan
- 2013 - Entered into a 50:50 JV with Horustech Lighting of Italy for setting up a design centre
- 2015 – Starting receiving Tenders from EESL for LED Bulbs and Street Lights.
- 2016 – Unit -9, Ahmedabad started Commercial Production in January, 2016.
- 2016 - NABL Accreditation received for Photometry Laboratory.



## 2017 - 2018

- 2017 – Set up plant for manufacturing of **Canister** in technical collaboration with Aisan Industry Co., Ltd, Japan
- 2017 - A 50:50 Joint Venture Company in Hong Kong with **KYOWA Co., Ltd., Japan** to engage in the business of high class molds / tools for Automotive and other applications.
- 2018 – Joint Venture with **Aisan Industry Co. Ltd., Japan and Toyota Tsusho India Pvt. Ltd.** for manufacture of **Fuel Pump Module and IC Connector** for Indian Market.
- 2018 - Technical Assistance Agreement with **TOYODENSO Co. Ltd. Japan and Toyota Tsusho Corporation, Japan** for manufacturing of Bank Angle Sensor for Indian market.

# PLANTS & DEPOTS LOCATIONS

10

## Plants & Depots Across India



Unit-I, Kundli (HARYANA)



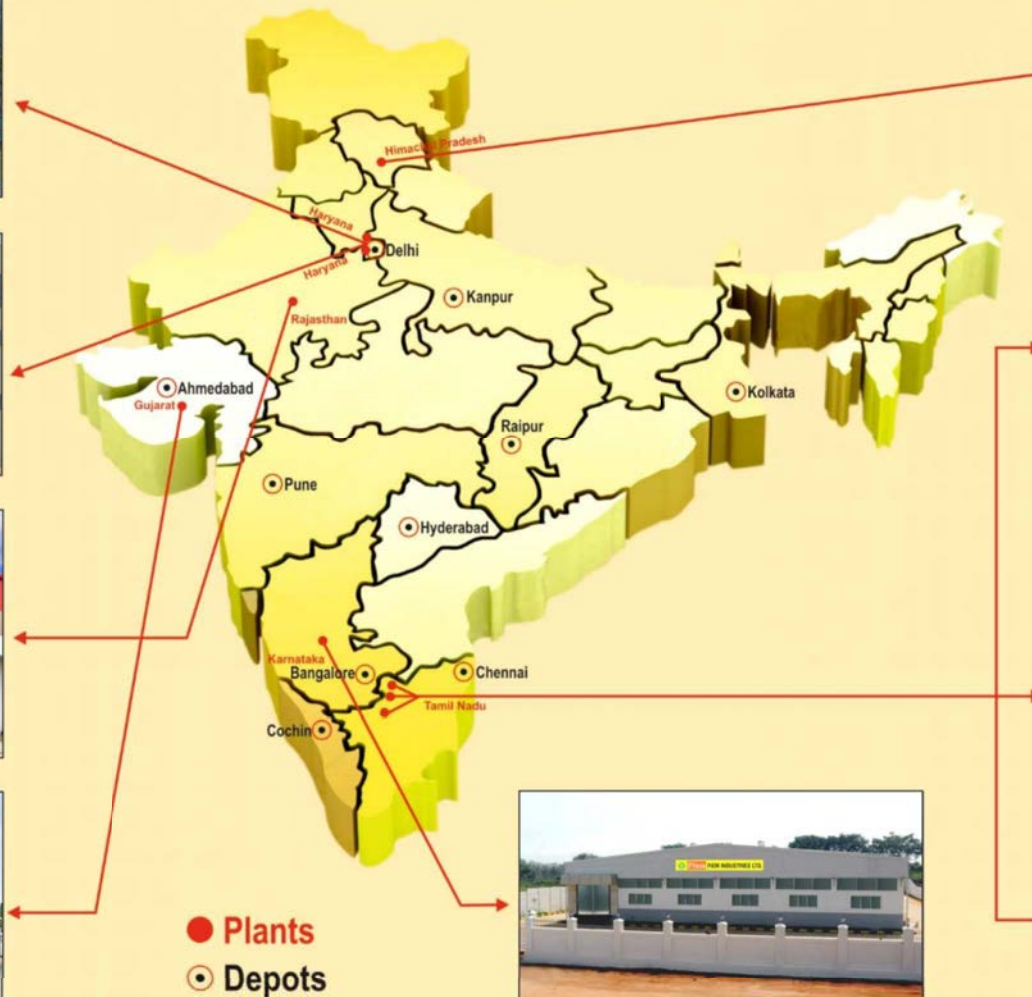
Unit-VII, Rai, Sonapat (HARYANA)



Unit-VIII, Tapukara (RAJASTHAN)



Unit-IX, Ahmedabad (GUJARAT)



Unit-VI, Nalagarh (HIMACHAL PRADESH)



Unit-II, Hosur (TAMIL NADU)



Unit-III, Hosur (TAMIL NADU)



Unit-IV, Mysore (KARNATAKA)



Unit-V, Hosur (TAMIL NADU)





**Unit -1 Kundli, Sonapat, Haryana**

- Established in 1994
- Land 16,588 Sq. Mtrs.
- Products Mfg. - Rear View Mirrors, Automotive Lights



**Unit -2 Hosour, Tamil Nadu**

- Established in 2004
- Land 12,505 Sq. Mtrs.
- Products Mfg. - Automotive Lights, Reflex Reflectors



**Unit -3 Hosour, Tamil Nadu**

- Established in 2005
- Land 19,110 Sq. Mtrs.
- Products Mfg. - Sheet Metal Parts



**Unit -4 Mysore, Karnataka**

- Established in 2005
- Land 4,014 Sq. Mtrs.
- Products Mfg. - Rear View Fender Assembly



**Unit -5 Hosour, Tamil Nadu**

- Established in 2006
- Land 13,467 Sq. Mtrs.
- Products Mfg. - Rear View Mirrors, Automotive Lights



**Unit -6 Nalagarh, Himachal Pradesh**

- Established in 2006
- Land 19,191 Sq. Mtrs.
- Products Mfg. - Rear View Mirrors, Automotive Lights, Plastic Parts



**Unit -7 Rai, Sonapat, Haryana**

- Established in 2010
- Land 28,357 Sq. Mtrs.
- Corporate Office
- Products Mfg. - Automotive Lights, LED Lights



**Unit -8 Tapukara, Rajasthan**

- Established in 2011
- Land 42,983 Sq. Mtrs.
- Products Mfg. - Plastic Injection Moulded components, LED Lights



**Unit -9 Ahmedabad, Gujarat**

- Established in 2015
- Land 32,500 Sq. Mtrs.
- Products Mfg. - Automotive Lights, Plastic Parts

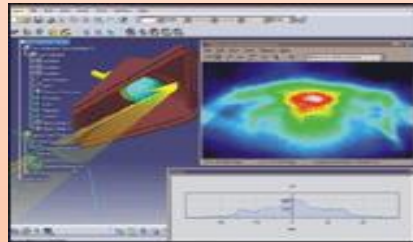
- FIEM's state of the art R&D Centre offers its clients design and development capabilities in Automotive Lighting & Signalling Equipments and Rear View Mirrors which meet the specifications of the clients requirements.
- Government of India, Ministry of Science and Technology, Department of Science and Industrial Research has accorded Recognition to Company's in-house R&D Unit situated at Rai Industrial Estate, Sonapat
- The Company's R&D Centre is established with modern infrastructure, state-of-the-art technology, equipped with latest software, qualified and experienced manpower.
- FIEM's in-house R&D Centre has various kinds of testing facilities such as Product Testing, Photometry Testing, Environmental Testing, Thermal Tests, Electronic Test, Vibration Test, Chemical Test, Mechanical Tests etc.
- **Photometry Laboratory of the Company is NABL Accredited**
- **Some examples of R&D conducted by company:**
  - Developed more than 100 new generation LED Luminaires for industrial & domestic applications for Indoor and Outdoor including LED drivers
  - In-house design and development of Railway IPIS (Integrated Passenger Information Systems with LED Display )
  - In-house design and development for four wheeler LED Rear combination, LED direction indicator lamp etc.
- **Advantages of in-house R&D unit:**
  - Diversified and large portfolio of lighting products developed
  - New generation LED technology in automotive and home lighting segments developed
  - Reduction in development time and cost savings to clients



**Electrical Testing**



**Environmental Testing**



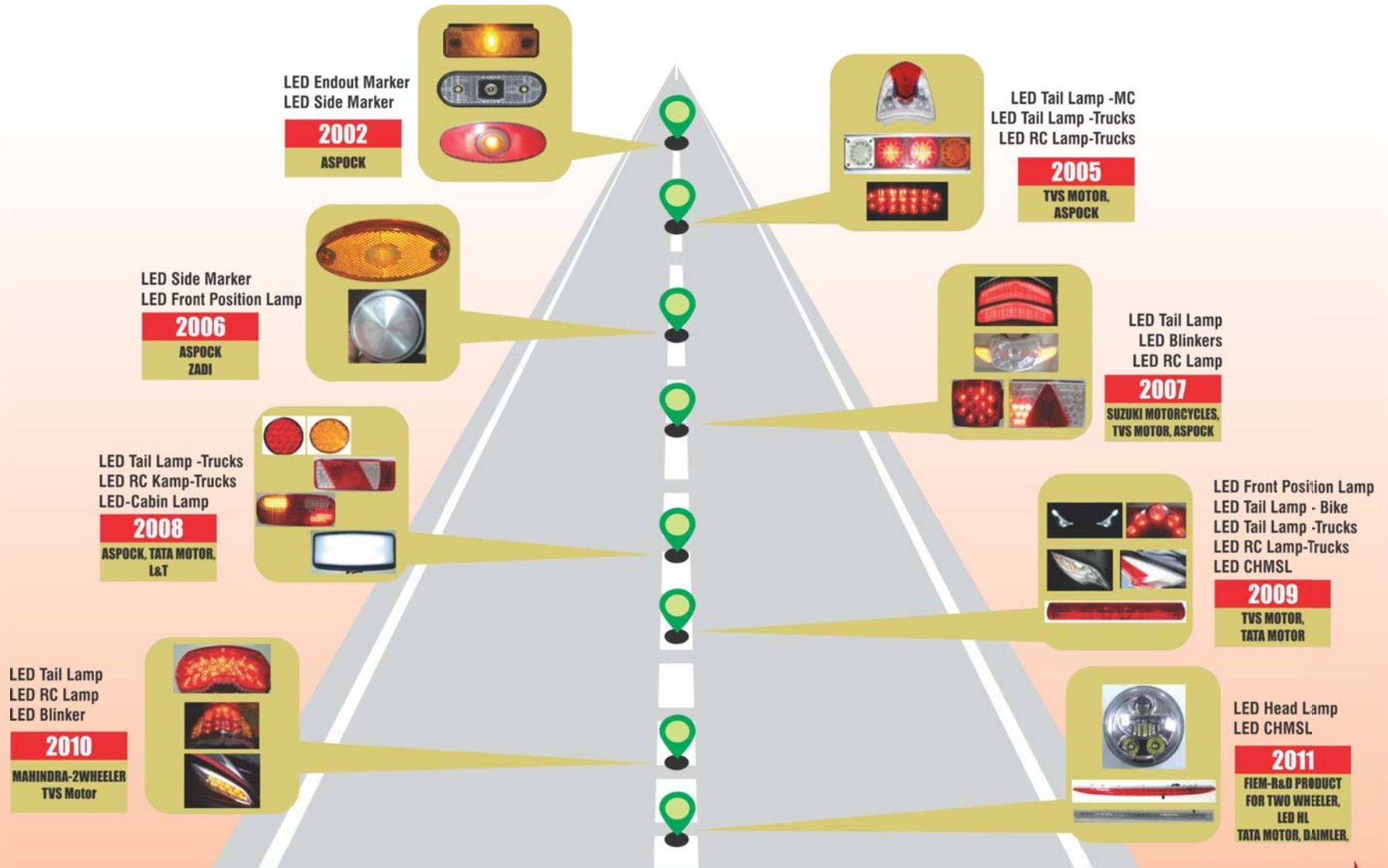
**Light Simulation Test**



**Mechanical Durability Test**

# AUTOMOTIVE LED LAMP JOURNEY

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CONT...



# AUTOMOTIVE LED LAMP JOURNEY

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LED Tail Lamp  
LED Parking Lamp  
LED Work Lamp

**2012**

MAHINDRA -2WHEELER  
TVS MOTOR,  
ASPOCK, JHON DEERE



LED Head Lamp  
LED Tail Lamp  
LED Projector Lamp  
LED RC Lamp

**2014**

TVS MOTOR,  
FIEM-R&D PRODUCT,  
MAHINDRA REVA  
YAMAHA



LED Tail Lamp  
LED Blinker  
LED Indicators  
LED Roof Lamp  
LED Outline Marker  
LED Side Marker  
LED License Lamp

**2016**

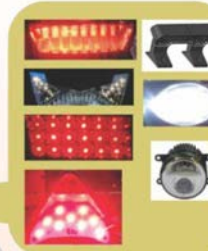
TVS MOTOR, DAIMLER,  
HARLEY DAVIDSON,  
SUZUKI MOTORCYCLES



LED Fog Lamp  
LED Tail Lamp  
LED Reading Lamp  
LED parking Lamp

**2013**

HARLEY DAVIDSON,  
DAIMLER, L&T, MAHINDRA  
-TWO WHEELER  
MARUTI SUZUKI,  
SUZUKI MOTORCYCLES-SMC,  
MAHINDRA REVA



LED Head Lamp  
LED - Indicators

**2015**

YAMAHA  
TVS MOTOR



LED Head Lamp  
LED Tail Lamp  
LED Drl  
LED Position Lamp

**2017**

HONDA MOTORCYCLE,  
YAMAHA, TVS MOTORS,



**UPCOMING TECHNOLOGY PRODUCTS**



O-LED Tail Lamp



3D LED Tail Lamp

**JOURNEY  
CONT...**



# AUTOMOTIVE LED LAMPS

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ACTIVA 5G  
HEADLAMP



DIO  
PARKING LAMP



TAIL LAMP



BLINKER



FZ 25  
HEADLAMP



R 15 VER3.0  
HEADLAMP



FZ 250  
TAIL LAMP



R 15 VER3.0  
TAIL LAMP



FZ 250  
POSITION LAMP



APACHE  
TAIL LAMP



ZEST  
DRL



MOPED/VICTOR  
DRL



N-TORQ 125  
DRL



N-TORQ 125  
TAIL LAMP



APACHE NEW  
TAIL LAMP



GIXER  
TAIL LAMP



GS 150R  
TAIL LAMP



INTRUDER  
PROJECTOR PARKING LAMP



INTRUDER  
TAIL LAMP



BURGMAN  
HEAD LAMP

## Strong Client Base

- FIEM has a strong client base of more than 50 OEMs and is supplying to its prestigious customers since their inception.
- Significant market share for supply of automotive lighting & signalling equipments and rear view mirrors to Two-wheeler and Four-wheeler OEM's
- Exporting automotive lighting to Honda Japan, Kubota Japan (Tractors & Farm equipments) besides exporting to Austria, UK, Germany, Thailand, Indonesia & Vietnam.

## Manufacturing Edge...Cost Saving to the Customers

- State-of-the-art manufacturing facilities located close to the OEM Customers offering Logistic cost saving and just in-time delivery
- FIEM has three world class R&D / Design Centres located in India, Italy and Japan having more than 120 personnel in Designing, Optical Simulation and Guest Engineering facilities for development of the lamp assembly and LED luminaires as per Indian and Global standards
- Strategic technological tie ups with global players to provide advance and cost efficient products

## Diversified Product Portfolio

- Leading manufacturers of automotive lighting & signalling equipments and rear view mirrors for two and four wheelers
- Diversified into LED luminaires for indoor and outdoor applications
- Diversified into Integrated Passenger Information Systems with LED Display (IPIS)

## LED Products

- In-house LED R&D, manufacturing and assembly unit offering low cost and high quality LED luminaires
- Diverse and cost efficient range of indoor and outdoor LED luminaires
- Approval from Ministry of Railway (RDSO) for Integrated Passenger Information System



## MORE THAN 50+ AWARDS SINCE 1991



- **Performance Award (VA-VE) for the year 2016-17 from Suzuki Motor Cycle India Private Limited**
- **Achievement Award for Strong Cost Reduction Efforts for 2015-16 from Honda Motorcycle & Scooter India Pvt. Ltd.**
- **The Grand Award for QCDDM 2013-14 from Honda Motorcycle and Scooter India Ltd.-2014**
- **Achievement Award for Vendor Performance in the field of 'Development' in the year 2013-14 from Suzuki Motor Cycle India Private Limited-2014**



- **Bellwether Award 2012-13 in Auto Lighting for 40 Years from Business Sphere-2014**
- **Supplier Recognition Award bestowed by Harley-Davidson India for their new motorcycle model 'Harley-Davidson Street' and support in recognition of our best practices in Quality, Cost, Development, Delivery and Management.-2014**



- **Bronze Award for Excellence in Quality for 2013 from India Yamaha Motor Pvt. Ltd.-2014**
- **ESQR'S Quality Achievement Award 2013 in the GOLD CATEGORY for the Extra Ordinary achievement in quality management - 2013**
- **Manufacturing Today Award "Champion of Indian Manufacturing" for Small and Medium Enterprise - 2013**
- **Achievement Award for Honda Global Support for 2012-13 from Honda Motorcycle & Scooter India Ltd. 2013**
- **1st Prize for Entrepreneurial Excellence Award in Electronics 2012-13 from ELCINA for LED-Luminaires & Display-2013**



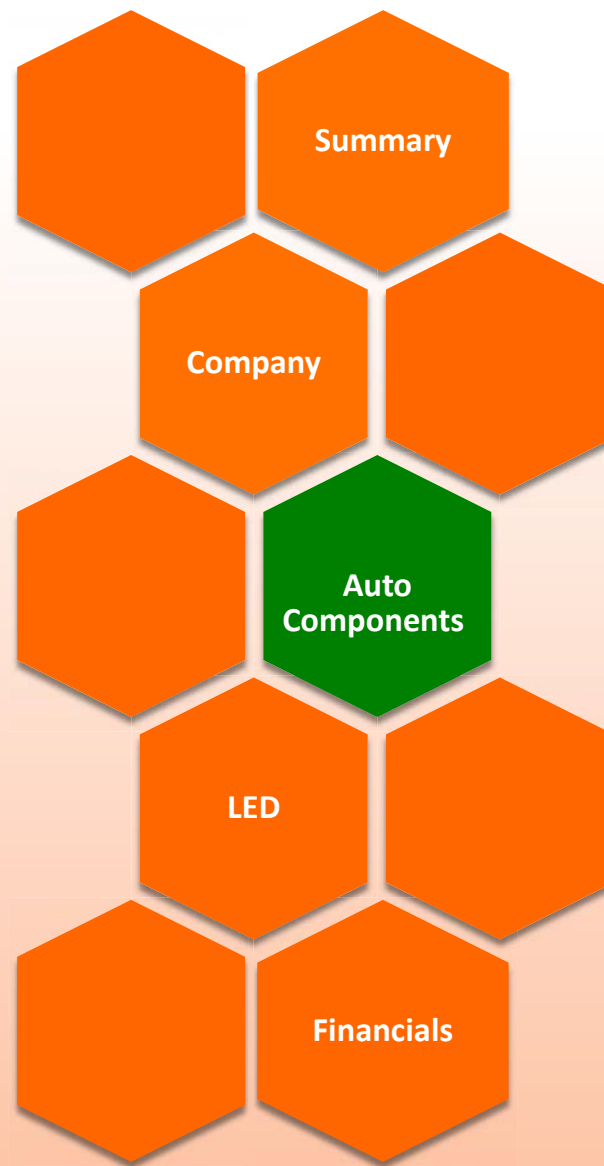
- **Achievement Award for Delivery Management for 2011-2012 from Honda Motorcycle & Scooter India Ltd - 2012**
- **Award for Q.D Performance from Honda Motorcycle & Scooter India Ltd-2011**
- **Outstanding Entrepreneurship Award from Enterprise Asia.-2011**
- **National Achievement Award for Business Excellence from Indian Society for Industry & Intellectual Development -2010**



- **Grand Award for Development from Honda Motorcycle & Scooter India Ltd.-2009**
- **SMB Award for superior performance during 2007-2008 from Industry 2 Magazine.-2009**
- **Appreciation Certificate from Hyundai Motor India Ltd. -2009**







FIEM is one of the most renowned names in Automotive Lightings & Signalling Equipments with the history of around four decades. The company is associated with some of the most prestigious OEM customers in India.

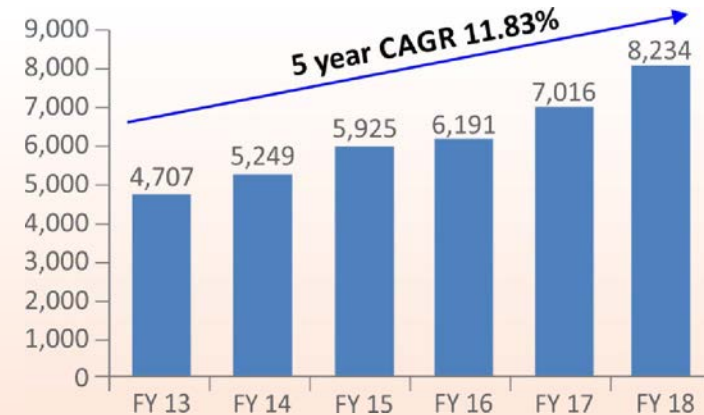
- Automotive Lighting** - In the automotive components segment the Company makes various types of Head lamps, Tail Lamps, Blinker lamps, Fog lamps, Warning triangles, Interior lamps and Beacon lights etc. for Two Wheelers and Four Wheelers.
- India's First NABL Accredited Lab for Testing of Automotive Lamps.**
- Manufacturing Facilities for Automotive Lights:**
  - Unit 1 - Kundli, Sonapat, Haryana
  - Unit 2 - Hosur, Tamil Nadu
  - Unit 5 - Hosur, Tamil Nadu
  - Unit 6 - Nalagarh, Himachal Pradesh
  - Unit 7 – Rai, Sonapat, Haryana
  - Unit 9 – Ahmedabad, Gujarat
- Top Clients**



Cert. No. T - 3799  
NABL Accredited Lab.



## Automotive Light Contribution (Rs. In mn)



## Head and Rear Lamps



# AUTOMOTIVE LIGHTS & REAR VIEW MIRRORS

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**Activa-Head  
Lamp**



**Activa-Tail  
Lamp**



**Eterno-Blinker  
Light**



**Shine-Blinker  
Light**



**Activa-Rear  
View Mirror**



**Apache-Head  
Lamp**



**Scooty-Head  
Lamp**



**Apache-Tail  
Lamp**



**Star Sports  
Blinker Light**



**Scooty Pep  
Rear View Mirror**



**Indica-Head  
Lamp**



**Sumo-Tail  
Lamp**



**Safari-Roof  
Light**



**Sumo-Blinker  
Light**



**Tata Estate/Sierra/Sumo  
Rear View Mirror**



**Traveller New  
-Head Lamp**



**Traveller New  
-Tail Lamp**



**Traveller New  
-Fog Light**



**Matador  
Tail Lamp**



**Traveller New  
Rear View Mirror**

- Rear-View Mirror** – FIEM has four state-of-the-art mirror manufacturing plants in its different units having all the processes in-house which includes:
  - Mirror Plate Making** - Profile cutting, Washing, Grinding, Convexing, Cleaning, Aluminium coating/Chrome coating and finally back side painting.
  - Plastic Housing:** In-house manufacturing with injection moulding machines.
  - Rod Making:** In-house complete rod making facilities such as machining, bending, welding, powder coating etc.
  - Final Assembly:** All the above sub-components are assembled in the assembly lines to make the complete mirror assembly.

## Manufacturing Facilities for Rear View Mirrors:

- Unit 1 - Kundli, Sonapat, Haryana
- Unit 2 - Hosur, Tamil Nadu
- Unit 5 - Hosur, Tamil Nadu
- Unit 6 - Nalagarh, Himachal Pradesh

## Top Clients



## Rear View Mirror Contribution (Rs. In mn)



## Rear View Mirrors





- **Plastic Moulded Parts** – Plastic moulding is integral part of automotive lamps as well as rear view mirrors, as these parts are required to make final assembly of all the products.
- FIEM has installed world class more than 450 latest injection moulding machines in their **six plants** ranging from 50 tonnes to 1400 tonnes capable of making parts weighing 20 gms to 2.5 kgs .
- Apart from above, FIEM also supply standalone plastic moulded parts to its customers from Unit 2 and Unit 8.
- The above mentioned moulding machines can easily make even big products of two wheelers like front fender, floor panel, side cover, rear fender, handle bar, seat base etc.

## Manufacturing Facilities for Standalone Plastic Moulded Parts:

- Unit 2 - Hosur, Tamil Nadu
- Unit 8 - Tapukara, Rajasthan

## Top Clients



## Plastic Moulded Parts Contribution (Rs. In mn)



## Plastic Moulded Parts





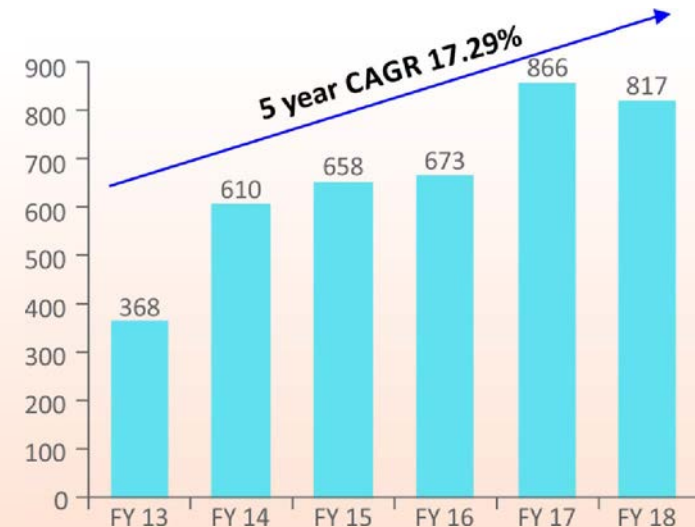
**Others Automotive Segment Include items contributing less than 10% of Total Sale, mainly includes Fabrication items etc.**

- **Sheet Metal Parts (fabrication Item)** – FIEM has full fledged sheet metal fabrication facilities as well as Mudguard rolling plants for manufacturing Front and Rear mudguard for Motorcycles & Mopeds. The fabrication facility have the following in-house processes:
  - **Presses:** More than 50 presses such as hydraulic, double action deep draw, single action presses etc.
  - Rolling Plant
  - Pipe Bending
  - Spot welding, Projection welding, Argon welding, CO<sub>2</sub> welding etc.
  - **Zinc Plating:** Blue/Black passivation, Yellow passivation
  - Phosphating facilities
  - Powder Coating for base coat and top coat
- **Manufacturing Facility used for making Sheet Metal Parts**
  - Unit 3 - Hosur, Tamil Nadu
  - Unit 6 – Nalagargh, Himachal Pradesh

## Top Clients



## Others Contribution (Rs. In mn)



## Sheet Metal Parts



- In 2012, FIEM commenced their supplies to **Honda Japan** for 670cc Integra-4 Motorcycle which includes all lamps such as Head lamps, RC Lamps, Blinker lights etc. and become global supplier to Honda.
- FIEM also supplying through **Honda Trading** to **Honda Vietnam** and **Honda Thailand**.
- The component for supplying to Honda Motorcycle is developed by FIEM's in-house design and development center.

## Honda Integra 4-670CC



## Parts Manufactured for Honda Japan



## Honda Award for Global Support Supplier 2012-13

Grand Award for QCDDM 2013-14 from Honda Motorcycle and Scooter India Ltd.



# OUR CUSTOMERS

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## Two wheeler segment (Domestic)-



## Two wheeler segment (Global Customers)



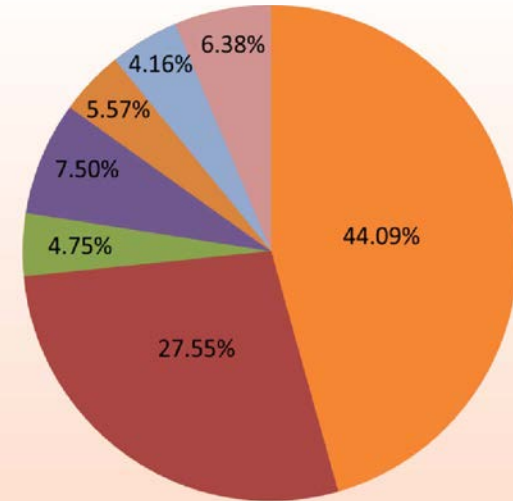
## Four wheeler segment (Domestic)-



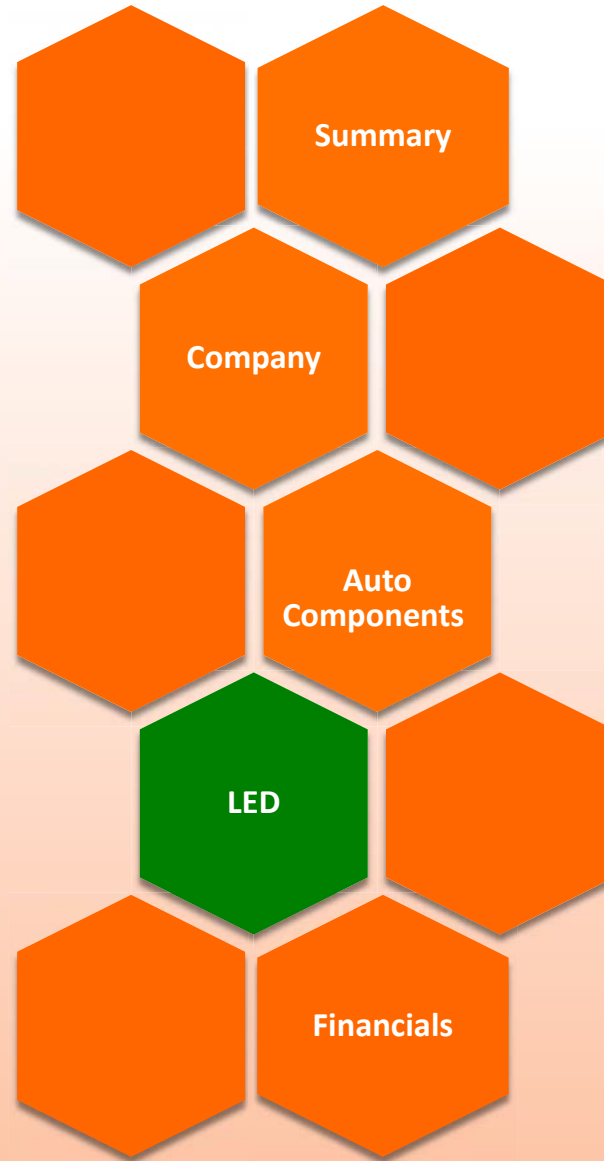
## Four wheeler segment (Global Customers)-



## H1FY18-19 Top Clientele Contribution – Automotive Segment



- HONDA MOTORCYCLE
- TVS MOTOR COMPANY
- REPLACEMENT MARKET
- SUZUKI MOTORCYCLE
- INDIA YAMAHA
- EICHER ROYAL ENFIELD
- OTHER CUSTOMERS





- After strengthening its position in the Automotive Industry, FIEM has already diversified into LED Segment having two major product categories as under:
  - LED luminaires for indoor and outdoor applications
  - Integrated Passenger Information Systems with LED Display for Railways and Buses
- FIEM has in-house R&D and manufacturing facilities for LED Products in Rai, Sonapat, Haryana. The Company only imports LED chips and electrical component and rest of the LED luminaires parts are manufactured in-house including the most crucial part i.e. **LED Drivers**.
- **India's First BIS Approved 7W LED Bulb.**
- **NABL Accredited Photometry Laboratory.**
- Company has already developed more than 100 products and developing more & more LED luminaires to attain significant market share

## • Benefits of Fiem Technology for LED

- Strong R&D and development team consisting around 100 engineers having experience of more than a decade
- Govt. approved R&D center
- PCB circuit designing
- Cost and Energy Efficient designs
- Structural product designing
- Innovative optical designing, thermal simulation to achieve higher efficiency
- Complete SMT plant installed a decade ago
- Strong team for OEM and after market service



**First Prize from ELCINA  
for Entrepreneurial  
Excellence Award in Electronics for  
LED Luminaires & Display**

## LED Luminaires



## LED Passenger Info Display System

TRAIN No	TRAIN NAME										EXPT. TIME	A/D	PF NO
14217	UNCHAHAR EXP										05:17	A	1
A1	A2	A3	A4	A5	A6	S1	PC	S2	S3	S4	S5		
GEN	A7												

## LED Solar Lantern





FIEM manufactures the following types of LED Luminaires:

## Indoor LED Lights

- LED Bulbs
- LED Tubes
- LED Ceiling Lights
- LED Down Lights
- LED Solar Lanterns
- LED Torches



LED Tubes



LED Bulbs



LED Torches



Ceiling Lights



Down Lights

- **Applications** - Commercial, Industrial, Residential and other buildings such as Showrooms, Offices & Bank, Malls, Factories, Industrial shed, Warehouses, Residential Houses/Flats etc. LED Torches have safety features like glass breaking, seat belt cutter and warning lights which helps the vehicle driver during emergency

## Outdoor LED Lights

- LED Bay Lights
- LED Street Lights
- LED Spot Lights
- LED Park Lights
- LED Flood Lights
- Bollards



LED Park Lights



LED Street Lights



LED Flood Lights



Bollards

- **Applications** - Roads, Highways, Tunnels, Open spaces in the building compounds such as Farm houses, Amusement parks, Hotels, Banquets, Gardens & parks, Residential apartments, Institutional & Industrial compounds etc.

# OUR CUSTOMERS - LED LUMINAIRES



Hyatt Regency



Ministry of Shipping  
(Govt. of India)



CRPF



Indian Railways



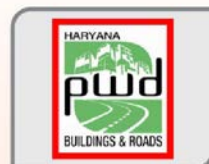
Indian Oil Corporation Limited



Rashtriya Chemicals & Fertilizers Ltd.  
(A Government of India Enterprise)



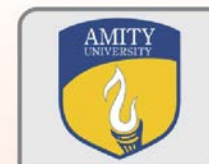
Indian Trade Promotion  
Organisation



PWD Haryana



Energy Efficiency Services Limited



Amity University



International Centre for  
Automotive Technology (ICAT)



Honda Motorcycle and  
Scooters Pvt Ltd



SUZUKI Motorcycle



Motherson Sumi Systems Limited



Scooter India Limited  
(A Government of India Enterprise)



Delhi Golf Club



Samsung India Electronics Pvt. Ltd.



Bikanerwala Foods Pvt Ltd



BACFO Pharmaceuticals



Flying Wings Badminton Academy



GK Energy Marketers Pvt Ltd



JBJ Technologies



UFLEX Limited



Ravenbhel Health Care Pvt Ltd

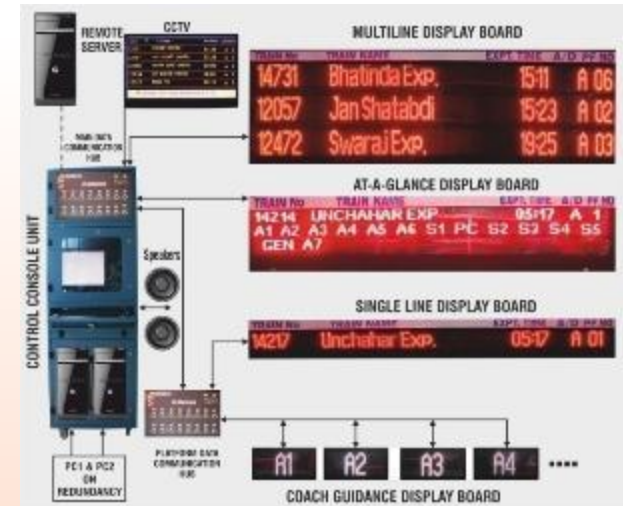


Verve Human Healthcare

- Integrated Passenger Information System with LED Display (IPIS or PIDS) is an electronic information system which provides real-time passenger information.
- Passenger information delivered in relevant locations along the bus route is an important part of this strategy and FIEM has played a key role in helping its partners deliver an effective solution.
- Association of State Road Transport Undertakings has also inspected the Company's LED based Destination system and found it satisfactory.
- Also received approval for Integrated Passenger Information System with LED Display (IPIS) from **Ministry of Railways - Research Design and Standard Organization (RDSO)** for manufacture and supply of this system (consisting of Train indication, Coach Guidance & PC based announcement).
- FIEM is looking for big business opportunities from Railways, Central & State Government, Metro, Overseas Market etc.

## LED Integrated Passenger Information System

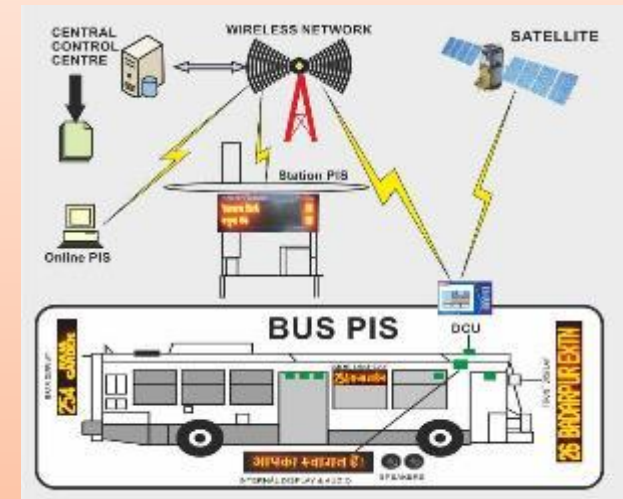
### Railway



### LED Display Panel



### Buses







## Railway Stations where IPIS Systems Installed / Under Installation

- Delhi – Anand Vihar, Delhi Sarai Rohilla
- Goa – Sanvordem
- Haryana - Hisar, Bhiwani, Faridabad
- Rajasthan - Bikaner, Lalgah, Suratgarh, Hanuman Garh, Sri Ganganagar, Chittorgarh, Beawar, Madar
- Uttar Pradesh - Lucknow Main Station, Varanasi, Phaphund, Mathura, Bareilly, Subedarganj (Allahabad), Gonda, Badshanagar, Mankapur, Khalilabad, Basti, Kasganj, Farrukhabad, Izzatnagar, Fatehgarh, Kanoj, Dildarnagar
- Maharashtra - Dhanu Road Station
- Gujarat - Bhavnager, Veraval, Junagarh, Sabarmati
- Andhra Pradesh - Vishakhapatnam Main Station, Vankatagiri, Sri Kala Hasti, Mantralayam Road, Parvathipuram, Parvathipuram Town, Vizianagaram
- Madhya Pradesh - Ujjain, Indore, Ratlam , Dewas, Nimuch, Mandsaur
- Bihar – Chhapra, Patna, Ara, Baxar
- Uttarakhand - Haridwar, Kathgodam, Haldwani, Lalkuan
- Karnataka – Ghatprabha, Wadi
- Chattisgarh – Jagdalpur
- Odisha – Rayagada, Koraput, Jeypore
- Jharkhand – Koderma





## **Railway Coaches for GPS Based PIS System for Indian Railway**

- Delhi – Bikaner Superfast Express

## **LED based Coach Light of Train Coaches**

### **Rail Coach Factory**



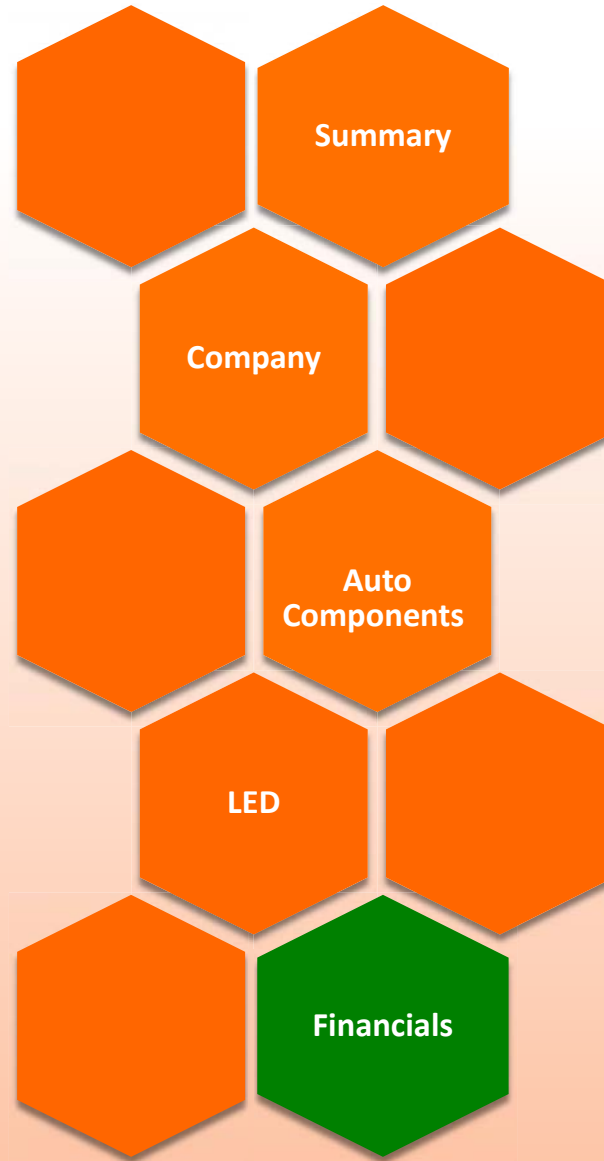
## **IPIS Systems for Buses**

- DTC Buses, Haryana Roadways, U.P. Roadways, Gujarat State Road Transport (Ahmedabad), Uttarakhand Roadways, Jaipur Buses.
- Delhi Public School, GD Goenka School, PP International School, Dynasty International School, Manav Rachna International School etc.
- Nepal Buses for Kathmandu City.



## **LED Display System for Other Clients**

- Delhi Fire Service
- CRPF
- Hospitals & Public Places.



# CONSOLIDATED INCOME STATEMENT

Particulars (INR Mn)	FY13	FY14	FY15	FY16	FY17	FY18
<b>Total Income*</b>	<b>6,068</b>	<b>7,212</b>	<b>8,264</b>	<b>9,891</b>	<b>10,193</b>	<b>12,623</b>
Expenses	5,361	6,321	7,227	8,609	8,970	11,170
<b>EBITDA</b>	<b>707</b>	<b>891</b>	<b>1,037</b>	<b>1,282</b>	<b>1,223</b>	<b>1,453</b>
<b><i>EBITDA Margin</i></b>	<b><i>11.65%</i></b>	<b><i>12.35%</i></b>	<b><i>12.55%</i></b>	<b><i>12.96%</i></b>	<b><i>12%</i></b>	<b><i>11.51%</i></b>
Exceptional Item	—	—	—	—	142	(34)
Depreciation & Amortization	183	218	307	331	393	444
Finance Cost	130	145	121	158	233	227
PBT	394	528	609	793	457	816
Taxes	117	155	184	220	126	290
<b>PAT</b>	<b>277</b>	<b>373</b>	<b>425</b>	<b>573</b>	<b>331</b>	<b>526</b>
<b><i>PAT Margin</i></b>	<b><i>4.57%</i></b>	<b><i>5.17%</i></b>	<b><i>5.14%</i></b>	<b><i>5.79%</i></b>	<b><i>3.25%</i></b>	<b><i>4.17%</i></b>
<b>EPS</b>	<b>23.17</b>	<b>31.16</b>	<b>35.51</b>	<b>47.93</b>	<b>26.30</b>	<b>39.40</b>

\* Includes Other Income and Net of Excise Duty

# CONSOLIDATED BALANCE SHEET HIGHLIGHTS (AS PER IND-AS)

Particulars (INR Mn)	01.04.16	01.04.17	31.03.18
<b>ASSETS</b>			
<b>I. NON CURRENT ASSETS</b>			
a) Property, Plant and Equipment	4,017	4,785	5,526
b) Capital Work-in-Progress	116	56	56
c) Intangible Assets	4	7	12
d) Intangible Assets under Development	0	0	13
e) Financial Assets	148	199	91
f) Income Tax Assets (Net)	0	43	45
g) Other Non-Current Assets	56	64	114
<b>Total Non Current Assets</b>	<b>4,341</b>	<b>5,154</b>	<b>5,857</b>
<b>II. CURRENT ASSETS</b>			
a.) Inventories	661	1,024	1,403
<b>b) Financial Assets</b>			
i) Investments	0	861	191
ii) Trade Receivables	1,185	1,194	1,443
iii) Cash and Cash Equivalents	18	229	18
iv) Bank Balances other than (iii) above	26	1	4
v) Loans	4	5	6
vi) Other Financial Assets	10	7	279
c) Other Current Assets	204	220	152
<b>Total Current Assets</b>	<b>2,108</b>	<b>3,541</b>	<b>3,496</b>
<b>TOTAL ASSETS (I + II)</b>	<b>6,449</b>	<b>8,695</b>	<b>9,353</b>

Particulars (INR Mn)	01.04.16	01.04.17	31.03.18
<b>EQUITY AND LIABILITIES</b>			
<b>A. EQUITY</b>			
Equity Share Capital	120	132	132
Other Equity	2,518	3,970	4,362
<b>Total Equity</b>	<b>2,638</b>	<b>4,102</b>	<b>4,494</b>
<b>B. LIABILITIES</b>			
<b>I. Non Current Liabilities</b>			
<b>a) Financial Liabilities</b>			
i) Borrowings	909	1,194	865
ii) Other Financial Liabilities	0	26	19
b) Provisions	85	27	38
c) Deferred Tax Liabilities (Net)	296	325	438
<b>Total Non Current Liability</b>	<b>1,290</b>	<b>1,572</b>	<b>1,360</b>
<b>II. Current Liabilities</b>			
<b>a) Financial Liabilities</b>			
i) Borrowings	183	641	371
ii) Trade Payables	1,509	1,504	2,195
iii) Other Financial Liabilities	608	666	741
b) Other Current Liabilities	181	172	156
c) Provisions	30	38	25
d) Current Tax Liabilities (Net)	10	0	11
<b>Total Current Liability</b>	<b>2,521</b>	<b>3,021</b>	<b>3,499</b>
<b>TOTAL LIABILITIES (I + II)</b>	<b>3,811</b>	<b>4,593</b>	<b>4,859</b>
<b>TOTAL EQUITY AND LIABILITIES (A+B)</b>	<b>6,449</b>	<b>8,695</b>	<b>9,353</b>



# STANDALONE INCOME STATEMENT

Particulars (INR Mn)	FY13	FY14	FY15	FY16	FY17	FY18	Six Months FY19
<b>Total Income*</b>	<b>6,025</b>	<b>7,190</b>	<b>8,257</b>	<b>9,880</b>	<b>10,188</b>	<b>12,429</b>	<b>7,554</b>
Expenses	5,323	6,299	7,223	8,600	8,967	10,977	6,790
<b>EBITDA</b>	<b>702</b>	<b>891</b>	<b>1,034</b>	<b>1,280</b>	<b>1,221</b>	<b>1,452</b>	<b>764</b>
<b>EBITDA Margin</b>	<b>11.70%</b>	<b>12.40%</b>	<b>12.52%</b>	<b>12.95%</b>	<b>11.98%</b>	<b>11.68%</b>	<b>10.11%</b>
Exceptional Item	—	—	—	—	142	(34)	—
Depreciation & Amortization	184	218	306	330	392	443	241
Finance Cost	129	144	121	158	233	227	110
<b>PBT</b>	<b>389</b>	<b>529</b>	<b>607</b>	<b>792</b>	<b>455</b>	<b>816</b>	<b>413</b>
Taxes	116	155	184	220	126	290	139
<b>PAT</b>	<b>273</b>	<b>374</b>	<b>423</b>	<b>572</b>	<b>329</b>	<b>526</b>	<b>274</b>
<b>PAT Margin</b>	<b>4.53%</b>	<b>5.20%</b>	<b>5.12%</b>	<b>5.79%</b>	<b>3.22%</b>	<b>4.23%</b>	<b>3.53%</b>
<b>EPS</b>	<b>22.83</b>	<b>31.27</b>	<b>35.33</b>	<b>47.80</b>	<b>26.12</b>	<b>39.39</b>	<b>20.53</b>

\* Net of Excise Duty and Includes other Income

# STANDALONE BALANCE SHEET HIGHLIGHTS (AS PER IND-AS)

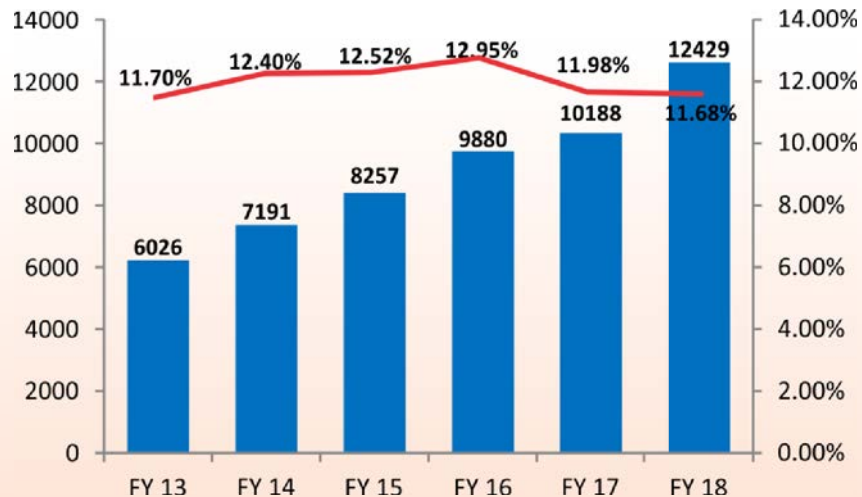
Particulars (INR Mn)	01.04.17	31.03.18	30.09.18
<b>ASSETS</b>			
<b>I. NON CURRENT ASSETS</b>			
a) Property, Plant and Equipment	4,785	5,526	5,669
b) Capital Work-in-Progress	56	56	1
c) Intangible Assets	7	12	8
d) Intangible Assets under Development	0	13	25
e) Financial Assets	205	99	444
f) Income Tax Assets (Net)	43	45	45
g) Other Non-Current Assets	64	114	61
<b>Total Non Current Assets</b>	<b>5,160</b>	<b>5,865</b>	<b>6,253</b>
<b>II. CURRENT ASSETS</b>			
a) Inventories	1,024	1,403	1,512
<b>b) Financial Assets</b>			
i) Investments	861	191	0
ii) Trade and Receivables	1,188	1,440	1,796
iii) Cash and Cash Equivalents	227	11	10
iv) Bank Balances other than (iii) above	1	4	6
v) Loans	5	6	7
vi) Other Financial Assets	7	278	274
c) Other Current Assets	220	152	178
<b>Total Current Assets</b>	<b>3,533</b>	<b>3,485</b>	<b>3,783</b>
<b>TOTAL ASSETS (I + II)</b>	<b>8,693</b>	<b>9,350</b>	<b>10,036</b>

Particulars (INR Mn)	01.04.17	31.03.18	30.09.18
<b>EQUITY AND LIABILITIES</b>			
<b>A. EQUITY</b>			
Equity Share Capital	132	132	132
Other Equity	3,966	4,358	4,486
<b>Total Equity</b>	<b>4,098</b>	<b>4,490</b>	<b>4,618</b>
<b>B. LIABILITIES</b>			
<b>I. Non Current Liabilities</b>			
<b>a) Financial Liabilities</b>			
i) Borrowings	1,195	865	926
ii) Other Financial Liabilities	26	19	0
b) Provisions	27	39	78
c) Deferred Tax Liabilities (Net)	325	438	493
<b>Total Non Current Liability</b>	<b>1,573</b>	<b>1,361</b>	<b>1,497</b>
<b>II. Current Liabilities</b>			
<b>a) Financial Liabilities</b>			
i) Borrowings	641	370	1,052
ii) Trade Payables	1,507	2,197	1,946
iii) Other Financial Liabilities	666	741	638
b) Other Current Liabilities	170	155	259
c) Provisions	38	25	23
d) Current Tax Liabilities (Net)	0	11	3
<b>Total Current Liability</b>	<b>3,022</b>	<b>3,499</b>	<b>3,921</b>
<b>TOTAL LIABILITIES (I + II)</b>	<b>4,595</b>	<b>4,860</b>	<b>5,418</b>
<b>TOTAL EQUITY AND LIABILITIES (A+B)</b>	<b>8,693</b>	<b>9,350</b>	<b>10,036</b>

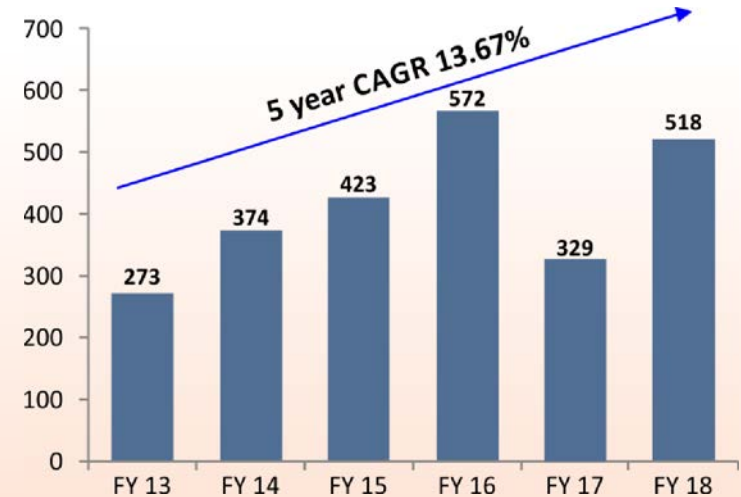
# STANDALONE FINANCIAL OVERVIEW

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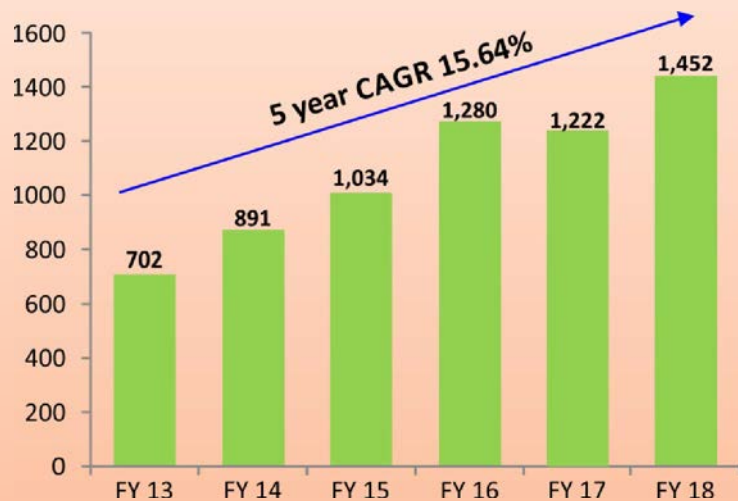
## Total Income & EBIDTAM% (Rs. In mn)



## Net Profit (Rs. In mn)



## EBITDA (Rs. In mn)



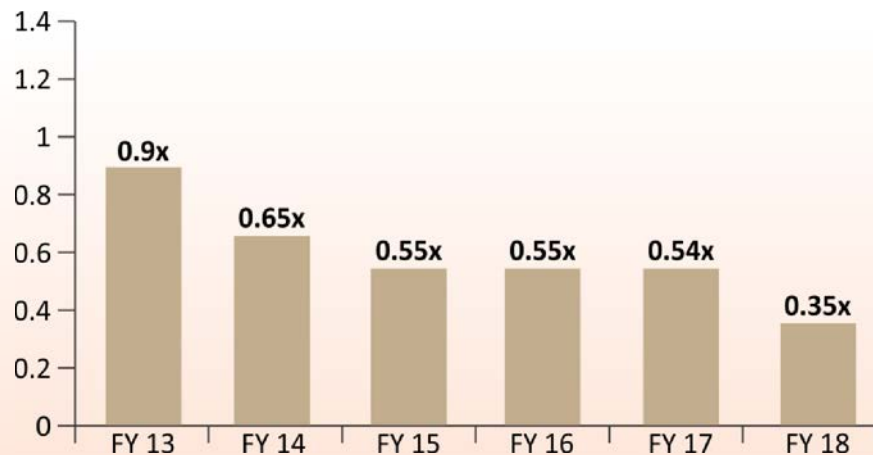
## Efficiency Ratio



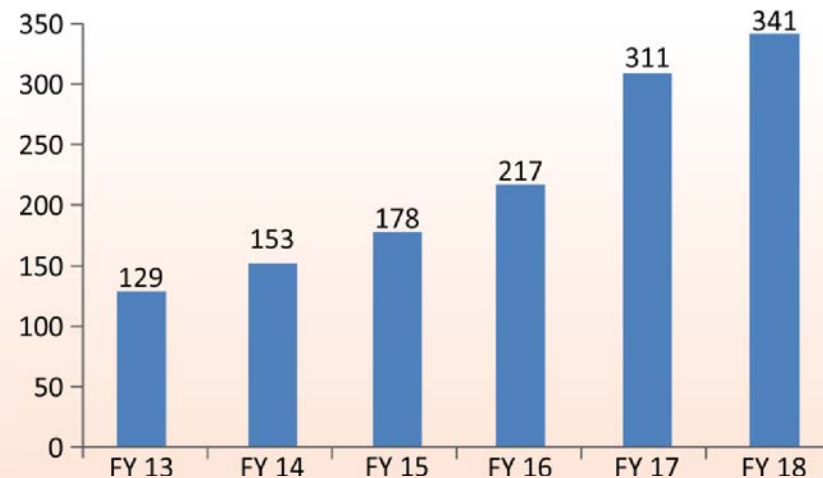
# STANDALONE FINANCIAL OVERVIEW

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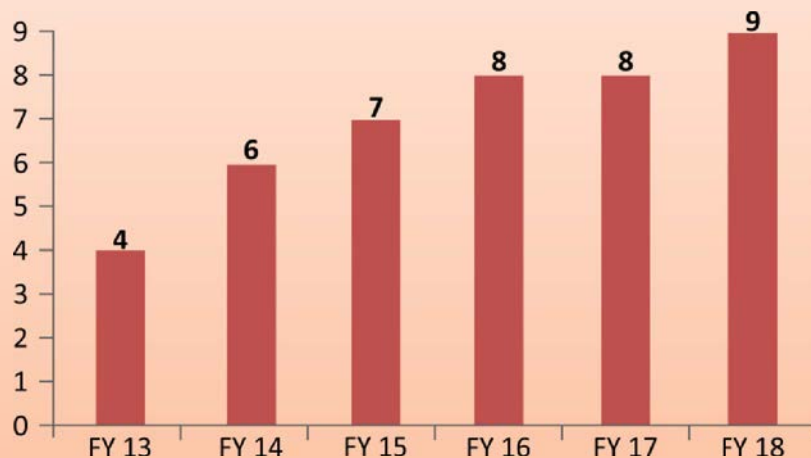
## Gross Debt/Equity



## Book Value Per Share



## Dividend Per Share



## Working Capital Days





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