



ABB INDIA LIMITED – ANNUAL REPORT 2016

Committed to unlocking value

ABB

the pioneering technology leader

What

Offering

Pioneering technology



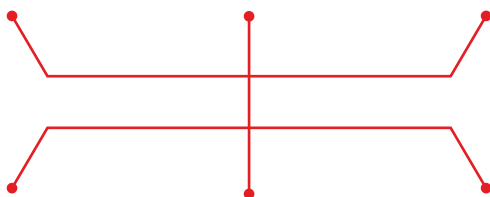
Products
63%



Projects
25%



Service
12%



For whom

Customers

Utilities



Of revenue
~37%

Industry

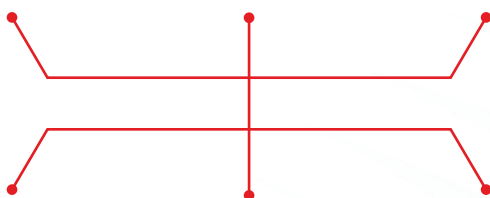


Of revenue
~52%

Transport & Infrastructure



Of revenue
~11%



Where

Footprint

India



40
factories



10
manufacturing
locations



22
sales and marketing
offices



Revenue
INR 8,648 crore

Exporting to
>100 countries

Employees
~6,000

ABB at a glance

Committed to unlocking value

ABB is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids, serving customers in utilities, industry and transport & infrastructure globally. Continuing more than a 125-year history of innovation, ABB today is writing the future of industrial digitalization and driving the Energy and Fourth Industrial Revolutions.

abb.com/in



Annual Report 2016

Contents

006–007 **Highlights**

008–009 **Key achievements of 2016**

010 **Country Management Committee**

011 **Company Information**

012–086 **Statutory Reports** **01**

088–130 **Financial Statements** **02**

Highlights 2016

Technology leadership drives orders to cross ₹ 12,000 crore mark for the first time

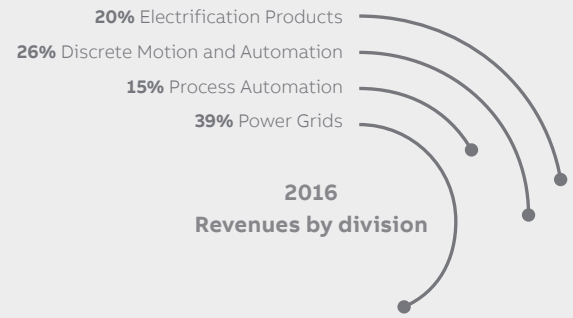
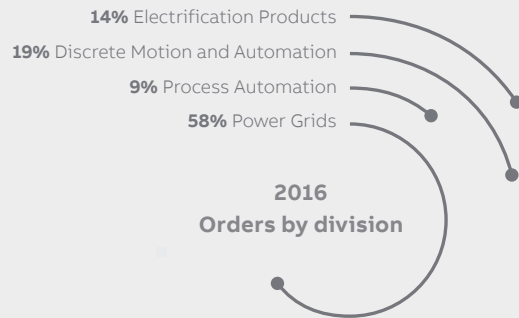
Operational excellence results in consistent profitability improvement

Strong cash position, significant improvement in net working capital levels

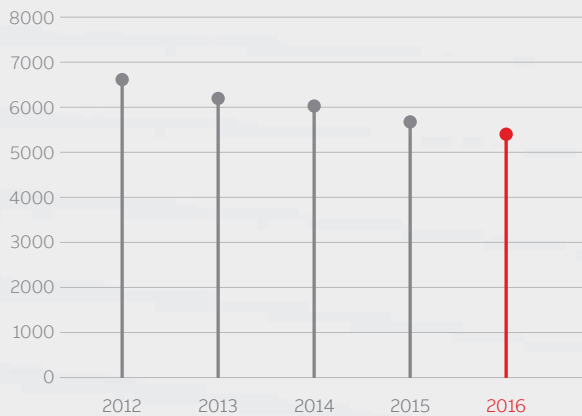
Board recommends dividend of ₹ 4 per share (200 percent) in the 47th consecutive dividend issue

Five-year highlights

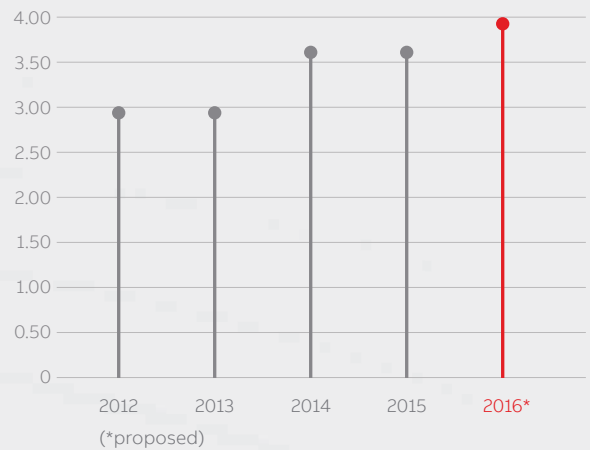
Description	(₹ in Crores)				
	2016	2015	2014	2013	2012
Sources of Funds					
Shares capital	42	42	42	42	42
Reserves	3,240	2,966	2,770	2,635	2,556
Net worth	3,282	3,008	2,812	2,677	2,598
Borrowings	600	600	371	620	328
Funds employed	3,882	3,608	3,183	3,297	2,926
Income and Profits					
Revenue from operations	8,648	8,140	7,733	7,722	7,565
Operating profit before Interest and depreciation	774	713	556	470	336
Profit before tax	576	475	355	272	206
Profit after tax	376	300	229	179	137
Dividend/Dividend tax	102	94	94	75	74
Retained earnings	274	206	135	102	64
Other data					
Gross fixed assets	2,114	2,071	2,004	1,910	1,703
Debt equity ratio	0.19:1	0.20:1	0.13:1	0.23:1	0.13:1
Net worth per equity share-₹	155	142	133	126	123
Earnings per equity share-₹	18	14	11	8	6
Dividend per equity share-₹	4	4	4	3	3
Profit after taxes as % to average net worth	12	10	8	7	5
Orders received	12,466	8,100	7,908	6,717	6,966
Orders backlog	11,821	7,946	7,926	7,709	8,673
Number of permanent employees	5,603	5,839	6,165	6,371	6,752



Number of employees



Dividend (₹ per share)



Key achievements of 2016

01

Powering and automating world's largest single location solar project

Commissioned substations with plant electrification and automation systems for the world's largest single location 648 MW solar power plant at Kamuthi in Tamil Nadu.

02

Integrating clean energy with reliable power infrastructure

Integrating wind energy with one of the longest 1,800 km ultra high voltage direct current link from Raigarh to Pugalur to bring power to 80 million Indians.

03

Modernizing Indian Railways

Awarded a contract to supply 1,600 traction transformers for 800 new electric freight locomotives, supporting expansion in railways.

04

Restoring and modernizing crucial power infrastructure in record time

Restored Sharavathi hydroelectric plant to full working capacity post fire within 10 days and commissioned an integrated plant SCADA and automation solution in record time.

05

Enhancing industrial productivity and Make in India

Commissioned largest industrial drive in India for an oil and gas application, reducing energy consumption by up to 30%.

06

Improving civic infrastructure

Won an order to upgrade the SCADA, automation, control and instrumentation to ensure 24x7 water supply to Mysuru.



07

Partnering India's solar vision

Doubled solar inverter manufacturing capacity during the year, powering the country's national solar priorities.

09

Driving the Energy Revolution

Engaged with leading transmission utilities for digital asset management technology.

08

Reducing carbon footprint at ports

Installed India's first shore-to-ship solution to reduce emissions at Tuticorin port.

10

Industry-academia collaboration with UAY scheme

Partnerships with IIT Madras for multi village microgrid modelling and with NITTTR for India's first multi-physics simulation lab to further make in India for power equipment.

11

Continuing focus on safe work culture

Total number of Safety Observation Tours and hazard reporting up by 35% and 14% respectively from 2015 at ABB locations and customer sites.

12

Improving quality of education

ABB India sponsored mid-day meals for 10,000 children daily across identified schools in Gujarat and Karnataka to address malnourishment and encourage attendance.



Country Management Committee

From left to right

Peter Stierli Head, Communications

Raja Radhakrishnan Head, Human Resources

Ralph Schultheiss Head, Legal and Integrity

T. K. Sridhar Chief Financial Officer

Sanjeev Sharma Managing Director

Subir K Pal Division Manager, Robotics and Motion

Pitamber Shivnani Division Manager, Power Grids

Karthik Krishnamurthi Head, Country Sales & Marketing

C. P. Vyas Division Manager, Electrification Products

GNV Subba Rao Head, India Centre for Global R&D

Giandomenico Testi Chief Technology Officer

Madhav Vemuri Division Manager, Industrial Automation and
Country Service Manager

