



CEN - European Committee for Standardization
CENELEC - European Committee for Electro Technical Standardization
ETSI - European Telecommunications Standards Institute

EC - European Commission
EFTA - European Free Trade Association

In this Issue

1. [Headlines of the Quarter](#)
2. [Standards, TBTs & IPR](#)
3. [Smart Cities](#)
4. [Automotive](#)
5. [ICT including Services](#)
6. [Electrical Equipment including Consumer Electronics](#)
7. [R&D and Innovation](#)
8. [Manufacturing / Make in India](#)
9. [Energy Efficiency – Environment](#)
10. [EU-INDIA/Trade-FTA/Investments](#)
11. [Invest India](#)
12. [Ease of Doing Business](#)
13. [Events](#)
14. [Indian rupee](#)
15. [About Project SESEI](#)

Greeting from Project SESEI 3!



Dear All,

Greeting from Project SESEI!

We are pleased to present our fifth edition of “Project SESEI Newsletter Europe” for our European Community in India and Europe & feel happy to say that the Project SESEI is playing an important role in strengthening the cooperation between EU and India around standards and related policies for new technologies.

In our last edition, we had communicated about the currency demonetization and introduction of new currency notes by the government and how it fueled the digitization of financial transactions and uptake of Mobile payment / E-payments. The recent big step by the Government is the introduction of Goods and Service Tax (GST), a single tax on the supply of goods and services, right from the manufacturer to the consumer across the country. Apart from few initial implementation delays and issues, this mammoth step is finally in place from 1st of July 2017 and going to benefit the user by implementing single and transparent tax system and bring down the overall tax burden due to its efficiency gains and prevention of leakages.

The other important initiatives during this quarter by the Government of India is on promoting the entrepreneurship, startups and innovation. Start-Ups have been made eligible for expedited examination of Patent Applications by Department of Industrial Policy and Promotion (DIPP). DIPP has also extended the Start-Ups Intellectual Property Protection (SIPP) scheme for another three years till March 2020, in a bid to continue the protection of entrepreneurs’ patents, trademark and designs. Similarly, DIPP has also simplified processes for New trademark rules which will substantially improve the ease of doing business in India and as well fix several redundant and obsolete provisions. Ministry of Commerce & Industry in partnership with Confederation of Indian Industry (CII) at the occasion of their joint 4th National Standards Conclave have also launched the [India Standards Portal](#) - a one stop Centre for all information on Standards, Technical Regulations, conformity assessment & accreditation practices, and the related bodies in India.

More and more Indian cities are competing to become eligible for the coveted tag of Smart City as part of 100 Smart Cities Mission of Government and post 4th round of bidding, 30 more cities have been shortlisted by the Ministry of Urban Development taking the total to 90 Cities now.

The Ministry of Urban Development is also in the process of preparing a report card on its Smart City Mission which will collate data like the number of projects completed and those being implemented, etc. Ministry has also launched the '[City Liveability Index](#)' for measuring the quality of life in 116 major cities including smart cities. We are also happy to announce that Centre for Development of Telematics (CDoT) under Ministry of Communication has developed a "Common Service Platform" suitable for smart cities, and is based on the Interoperable [oneM2M](#) specifications. This C-DOT Common Service Platform was launched during a workshop "[Future Proof Smart Cities with a Common Service Layer: A Standards Driven Approach](#)" as organized by "[EU-INDIA collaboration Project on ICT Standards](#)" further supported by project partners ETSI, TSDSI and the Delegation of European Union to India.

In the Automotive sector, India has set a very high benchmark by announcing a goal to produce and sell only electric cars by 2030, to reduce the country's fuel consumption and reduce the air pollution by cutting greenhouse gas emissions. To achieve this, Indian government will be assisting the automotive industry and to this effect they have announced to set up a [National Mission for Electric Mobility \(NCEM\)](#) to promote electric mobility and manufacturing of electric vehicles in India and to further support the mission Govt. has also approved setting up of a [National Board for Electric Mobility \(NBEM\)](#). The Indian Space Research Organization (ISRO) is also working on a technology to use high energy lithium-ion batteries to manufacture solar hybrid electric cars in India.

IoT and Machine to Machine is the modern flavor in the ICT sector, Tata Communications has collaborated with Hewlett Packard Enterprise platform which is based on oneM2M platform to deploy its Internet of Things (IoT) technology in India. On this subject of M2M/IoT, Indian IT organization - Wipro has joined the LoRa Alliance and Telecom Regulatory Authority of India (TRAI) is conducting a consultation process. India is poised to become one of the largest IoT Market in the world and is expected to grow exponentially to 1.9 billion units in India by 2020.

India is pursuing its key development objectives of energy access, energy security and environmental sustainability and in this regard set up a vision of ensuring 24x7 affordable and environment friendly 'Power for All. The Power sector is reaping the benefits of the policy initiatives by the Ministry of Power and in a short span of time, solar energy has become the fastest growing renewable energy available in India at a very low unit cost, and is attracting ambitious bids from companies around the world. Ministry has also created Sectoral Computer Emergency Response Teams (CERTs) to mitigate cyber security threats in power systems.

India is also making progress in the innovations the R&D sector, it has moved into the top half of the Global Innovation Index (GII) in 2017 by climbing six spots to 60. The Ministry of Commerce & Industry has set up a Task Force on innovation to enhance the innovation ecosystem in India and further improve India's ranking in the GII.

As you will continue reading the Newsletter, you will appreciate that the India's new approach is greatly getting reflected in its new policies, decisions, and initiatives to invite other countries, companies, and corporate giants to invest, manufacture and work in India. We invite you to read our newsletter, actively engage and provide us with your feedback and comments to better our efforts.

Happy Reading once again.

Best regards,

Dinesh Chand Sharma

Seconded European Standardization Expert in India

[Back to contents](#)

Headlines of the Quarter

Standards, TBTs & IPR

Indian Standards Portal Launched

Minister of State (IC) for Commerce and Industry at the 4th National Standards Conclave organized by Confederation of Indian Industry (CII) in cooperation with Ministry of Commerce and Industry launched the India Standards Portal - a one stop Centre for all information on Standards, Technical Regulations, conformity assessment and accreditation practices, and the related bodies in India.

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National Building Code of India (NBC)

The Bureau of Indian Standards (BIS) under the consumer affairs ministry have unveiled national building codes under which builders can be made liable for the safety of the structure and contains provisions on use of new/innovative materials and technologies and on prefabricated construction techniques

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The BIS has prepared Draft Rules for (Conformity Assessment) Regulations, 2017

The Bureau of Indian Standards has prepared **Draft Rules for (Conformity Assessment) Regulations, 2017** under the provisions of Bureau of Indian Standards Act, 2016. Suggestion & Comments are invited latest by 21st June'2017

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Govt. extends IPR protection scheme for start-ups till 2020

The Indian government has extended the Start-Ups Intellectual Property Protection (SIPP) scheme for three years till March 2020, in a bid to continue the protection of entrepreneurs' patents, trademark and designs. Copy of Circular [here](#)

[Read More](#)

New trademark rules

New trademark rules with simplified processes, fewer forms and online filing have come into effect, substantially improving the ease of doing business. The amended rules will cut the number of trademark application forms to 8 from 74 and scrap several redundant and obsolete provisions.

[Read More](#)

WIPO and DIPP to set up innovation centers in India

To set up Technology and Innovation Support Centers (TISC), supporting IPR creating in the country, the Department of Industrial Policy and Promotion (DIPP) and the World Intellectual Property Organization (WIPO) have entered into an agreement. These TISCs will help them create, manage and protect their intellectual property rights (IPR).

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[Back to contents](#)

Smart Cities

30 more smart cities announced; takes the total to 90 so far

30 more cities [selected](#) for development as smart cities. The total number of cities picked till now under the [Smart City Mission](#) launched on June 25, 2015. is up to 90. All 30 cities will develop Integrated Command and Control Centres that enable better coordination among various city agencies.

[Read More](#)

Urban Development Ministry Preparing Report Card on Smart City Mission

The urban development ministry is preparing a report card on its Smart City Mission as the scheme is set to complete two years of its launch this June. The ministry is compiling data under various heads, like the number of projects completed and those being implemented, an official said today.

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C-DOT Common Service Platform to make Smart Cities more efficient, economical

C-DOT has developed CCSP (C-DOT Common Service Platform) which can be deployed on any off-the-shelf generic server platforms or cloud infrastructure. This platform will enable the smart cities to reap all the benefits of using a standards compliant horizontal service layer be more efficient, economical & future proof.

[Read More](#)

Govt. launches Liveability Index for cities

Ministry of Urban Development on Friday launched the 'City Liveability Index' for measuring the quality of life in 116 major cities including smart cities, capital cities and cities with a population of above one million.

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[Ministry of Road Transport & Highways to host Smart India Hackathon, 2017](#)

The Ministry of Road Transport & Highways is hosting the 'Smart India Hackathon, 2017- Grand Finale' on 1st & 2nd April, 2017 simultaneously at Nagpur and 25 other different nodal centers across India. [Read more](#)

[Indian Academy of Highway Engineers signs MoU with University of New South Wales on Smart Transportation](#)

Under the aegis of Ministry of Road Transport and Highway's signed, a Memorandum of Understanding was signed between the Ministry through the Indian Academy of Highway Engineers and University of New South Wales (UNSW) to set up a Centre for Advanced Transportation Technology and Systems (CATTS). [Read More](#)

[Back to contents](#)

Automotive

Setting up of National Mission for Electric Mobility

The energy minister of India has announced that they will be making sure that every car in the nation will be electrically-powered by 2030. The Indian government will be assisting the renewable automotive industry for the next two to three years, until the market stabilizes.

[Read More](#)

India Unveils Ambitious Plan to Make Every Single Car Electric by 2030

India recently announced a goal to produce and sell only electric cars by 2030, chiefly aiming to reduce the petroleum import bill and running cost of vehicles, while simultaneously reducing air pollution with attendant health benefits and cutting greenhouse gas emissions.

[Read More](#)

5G to disrupt automotive industry: Report

The 5G technology that is integral to the future of connected cars will enable over \$2.4 trillion in total economic output across the automotive sector in 2035, a new study by Qualcomm Technologies revealed. 5G technology will be at the core of accelerating the benefits of autonomous vehicles.

For more information Please [click here](#)

ISRO tests eco-friendly technology to move closer to India's all-electric car vision by 2030

Indian Space Research Organisation (ISRO) has developed the technology to manufacture high-power lithium-ion batteries for automobiles and e-vehicles, which the government has asked it to allow auto manufacturers to use. The agency even demonstrated a successful test drive of a solar hybrid electric car using the technology.

For more information Please [click here](#)

Emission norm BS-VI from April, 2020

Automobile manufacturers have approached the Supreme Court and raised a concern that it would be difficult for them to start the process of conversion of vehicles to BS-VI emission norm from 2019 to meet the April 1, 2020 deadline.

[Read More](#)

India gets a connected vehicle strategy, Tata Motors partners with Microsoft

Tata Motors is the first Indian company to focus on cloud-based computing applications for a car with its partnership with Microsoft to use the Azure Cloud to build artificial intelligence and cognitive platforms for vehicles.

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National Board of Electric Mobility (NEBM)

The Govt. has notified the constitution of the National Board of Electric Mobility (NEBM). It also nominated six members of eminence and expertise from the automobile industry into it. [Read More](#)

Motor Vehicles (Amendment) Bill, 2016.

Govt. approved changes to the companies and motor vehicle bills. [Read More](#)

ICT including Services

The following Draft Indian Standards were issued for by Electronics and Information Technology division council at BIS during the last quarter for eliciting technical comment

- [LITD02\(11560\): - Hazard and operability studies \(HAZOP Studies\) – Application guide](#)
- [LITD 08 \(10740\):- WEIGH – IN – MOTION SYSTEM FOR ROAD VEHICLES - SPECIFICATION](#)
- [LITD 14 \(10608\): - Software Quality Engineering – Development Process – Software Development Management System - Requirements](#)

Tarang Sanchar portal for information sharing on mobile towers and EMF emission

Department of Telecom (DoT), Ministry of Communications, on Tuesday launched Tarang Sanchar, a web portal for Information sharing on Mobile Towers and EMF Emission Compliances.

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Internet users to double to 829 million by 2021 Report

Internet users in the country will double by 2021 to 829 million users from 373 million users in 2016, driven by digital transformation according to a recent report. Also, there would be two billion networked devices in 2021 up from 1.4 billion in 2016.

For more information, Please [click here](#)

National Optical Fibre Network - Bharat Net project

Government of India has allocated Rs 10,000 crore (Euro 1.38B) for Bharat Net project for 2017-18. The optical fibre cable (OFC) has been laid over 1.55 lakh km, and it will be connected to over 1.5 lakh GPs by 2017-18 end, with access to WiFi hot spots and digital services at low tariffs.

[Read More](#)

HPE, Tata Communications to collaborate for world's largest IoT network in India

Hewlett Packard Enterprise (HPE) at the Mobile World Congress 2017 announced that it is working with Tata Communications, a leading provider of a new world of communications, to support the roll-out of India's first LoRaWAN (LoRa) & oneM2M based network.

For more information Please [click here](#)

TRAI wants to allocate 10 Mhz in 700 Mhz band to M2M services

India's telecom companies have found a common ground and have joined hands in opposing TRAI's proposal to allocate 10 Mhz of the premium 700 Mhz band radio waves for M2M services. The TRAI is conducting a consultation process that include delicensing 10 MHz in the 4G airwaves.

For more information, Please [click here](#)

Ericsson partners IIT Delhi for 5G in India

Ericsson has signed an MoU with IIT Delhi to jointly work on a program for 5G technology development in India. Ericsson will set up a Centre of Excellence with a 5G test bed and incubation centre at IIT Delhi to drive the development of the country's 5G ecosystem.

For more information, Please [click here](#)

Indian Govt. approves MoU with US Homeland on cyber security

Govt. has approved MoU on the cyber security with the United States. The MoU was signed between the Indian Computer Emergency Response Team (CERT-In) under the Ministry of Electronics and Information Technology and the US Homeland Security Department.

[Read More](#)

Imported Mobiles to Become Costlier Due to New 10 Percent Customs Duty

In a bid to protect local manufacturers, the government has imposed a 10 percent basic customs duty (BCD) on cellular mobile phones and specified parts of cell phones like charger, battery, wire headset, microphone and receiver, keypad, and USB cable.

[Read More](#)

Wipro joins IoT standards group

Wipro has joined the LoRa Alliance to help accelerate its Internet of Things (IoT) solution deployments, using low power wide area networks (LPWAN) technology. Wipro has already used LoRaWAN in deployments such as enabling smart ports

[Read more](#)

First IOT cluster in India may come up soon

The first of its kind Internet of Things (IoT) cluster is slated to come up in Pune City. A proposal for the S L Kirloskar Centre of Excellence for IoT for companies working in the Industry 4.0 is being put before the government by a consortium of start-ups, industry associations, solution providers and mfg. industry.

[Read more](#)

Draft Document by TEC on “Procedure for Certification of telecommunication Equipment”

A proposal to implement **mandatory Testing and Certification of Telecom Equipment**, prior to sale/import/use in the country, is under consideration in Department of Telecommunications (DoT). A draft document namely “Procedure for Certification of Telecommunication Equipment” has been prepared by TEC and is available for comments until 24th June’2017 (Extended). [Read More](#)

Draft rules for Security of Prepaid Payment Instruments under provisions of IT Act 2000

The Ministry of Electronics and Information Technology, released the draft Information Technology (Security of Prepaid Payment Instruments) Rules, 2017, under the Information Technology Act, 2000 (IT Act), for public comments. The Draft Rules seek to provide a framework of security practices for ‘electronic prepaid payment instruments’, in view of the Government’s recent efforts to promote a cashless economy post demonetisation and the resulting boost to digital payment systems in India. [Download here](#)

Telecom Regulatory Authority of India has issued following Consultation Papers

- [Issues related to Digital Radio Broadcasting in India](#)
- [Data Speed Under Wireless Broadband Plans](#)
- ['Network testing before commercial launch of services'](#)

Electrical Equipment including Consumer Electronics

The following Draft Indian Standards were issued for eliciting technical comments for Electro Technical Sector at BIS:

- [ETD 07 \(11584\): - Composite units of air-break switches and rewirable type fuses for voltages not exceeding 650 v a.c. — Specification \(second revision\)](#)
- [ETD 07 \(11591\): - Amendment No. 2 to IS 12640 \(Part 1\): 2016 / IEC 61008 – 1: 2012 Residual current operated circuit-breakers without integral overcurrent protection for household and similar users \(RCCBs\) \(second revision\)](#)
- [ETD 07 \(11592\): - Amendment No. 2 to IS 12640 \(Part 2\): 2016 / IEC 61009 - 1: 2012 Residual current operated circuit-breakers with integral overcurrent protection for household and similar users \(RCBOs\) \(second revision\)](#)
- [ETD 43 \(11639\): - DETERMINATION OF CERTAIN SUBSTANCES IN ELECTROTECHNICAL PRODUCTS Part 7-2: Hexavalent chromium Determination of hexavalent chromium \(Cr\(VI\)\) in polymers and electronics by the colorimetric method](#)
- [ETD 43 \(11640\): - DETERMINATION OF CERTAIN SUBSTANCES IN ELECTROTECHNICAL PRODUCTS Part 8: Phthalates in polymers by gas chromatography-mass spectrometry GC-MS gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory PyTD-GC-MS](#)
- [ETD 09\(11032\): - HALOGEN FREE FLAME RETARDANT \(HFFR\) CABLES FOR WORKING VOLTAGES UPTO AND INCLUDING 1100 VOLTS –SPECIFICATION](#)
- [ETD 08 \(11701\): - High-Voltage Switchgear and Control Gear Part 104 Alternating Current Switches for rated voltages higher than 52 kV \(first revision\)](#)
- [ETD 18 \(11489\): - Thermocouples: Part 1 EMF specifications and tolerances \(first revision\)](#)
- [ETD 35 \(11517\): - Electromechanical elementary relays – Part 1: General and safety requirements](#)
- [ETD 07 \(11518\): - Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations Part 2: Circuit-breakers for a.c. and d.c. operation \(first revision\)](#)
- [ETD 07 \(11530\): - Low-voltage switchgear and control gear: Part 4 Contactors and motor-starters Section 3 a.c. Semiconductor motor controllers and contactors for non-motor loads \(second revision\)](#)
- [ETD 35 \(11520\): - Reed switches – Part 1: Generic specification](#)
- [ETD 35 \(11519\): - Electromechanical telecom elementary relays of assessed quality – Part 1: Generic specification and blank detail specification](#)
- [ETD 11 \(11526\): - Secondary cells and batteries containing alkaline or other non-acid electrolytes](#)
- [ETD 11 \(11525\): - Secondary cells and batteries containing alkaline or other non-acid electrolytes](#)
- [ETD 11 \(11527\): - Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications – Part 3: Prismatic and cylindrical lithium secondary cells, and batteries made from them \(First Revision\)](#)
- [ETD 11 \(11529\): - Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications](#)
- [ETD 11 \(11528\): - Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 3: Safety requirements](#)
- [ETD 18 \(11550\): - Programmable controllers: Part 2 Equipment requirements and tests \(second revision\)](#)
- [ETD 15 \(11575\): - LINE OPERATED THREE PHASE AC MOTORS \(IE CODE\) “EFFICIENCY CLASSES AND PERFORMANCE SPECIFICATIONS” \(Third Revision of IS 12615: 2011\)](#)
- [ETD 07 \(11523\): - Low-voltage switchgear and control gear: Part 2 Circuit breakers \(first revision\)](#)

India Joins The International Energy Agency

India has joined the International Energy Agency (IEA) as an associate member, a development that the IEA said makes the prestigious Paris-based body more relevant and reflects the country's move to the Centre stage of the global energy dialogue.

[Read More](#)

Power ministry raises electricity generation target

The ministry of power has set the conventional electricity generation target for financial year 2017-18 at 1,229.4 billion units (BU), up 50 BU from the target for the current year.

[Read More](#)

India launches new clean technology missions

India has announced the launch of a national mission on advanced supercritical technologies for cleaner coal utilisation, at a total cost of \$238 million and setting up of two centres of excellence on clean coal technologies – one on methanol and the other on di-methyl ether - involving investments of \$5 million each.

[Read More](#)

Policy for competitive solar equipment mfg.

India is working on a plan for making domestic manufacturing of solar power generation equipment competitive vis-à-vis other countries such as China. As part of this strategy, the government plans to come out with a policy to promote manufacturing of the entire range of solar power generation equipment in the country.

[Read More](#)

India and ADB Sign \$175 Million Agreement to help improve Solar Transmission System

The Govt. of India and the Asian Development Bank (ADB) have signed a \$175 million loan agreement to support construction of high voltage transmission systems to evacuate power generated from new mega solar parks to the interstate grid, and improve reliability of the national grid system.

[Read More](#)

Government to play active role in making India a global semiconductor hub

The ministry of electronics and information technology (Meity) is revising its policy framework towards making India a global semiconductor hub, which will see the government taking a more active role, including initial investment, in a bid to attract private sector players.

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Four Sectoral Computer Emergency Response Teams to mitigate Cyber Security Threats in Power Systems

Government of India, in line with **National Cyber Security Policy 2013**, has created sectoral Computer Emergency Response Teams (CERTs) to mitigate cyber security threats in power systems. [Read More](#)

Cabinet approves MoU between Forum of Regulators and the National Association of Regulatory Utility

The Union Cabinet has given its approval for signing of a Memorandum of Understanding (MoU) between Forum of Regulators (FOR) and the National Association of Regulatory Utility Commissioners (NARUC) in the area of large-scale Grid Integration of Renewable Energy. [Read More](#)

R&D and Innovation

Science infrastructure sharing policy soon

India is formulating a policy on maintaining and sharing science infrastructure so that R&D facilities do not remain limited to academia but are also accessed by industry. "The idea is to create infrastructure which becomes shareable, which becomes sustainable and is also accessible to our industry.

[Read More](#)

India climbs to 60th innovative nation globally

India moved into the top half of the Global Innovation Index (GII) in 2017 by climbing six spots to 60 in a survey of innovative capacity among 127 countries. The country also maintained the top spot in the Central and South Asia regions, according to the rankings released by Cornell University, INSEAD and the World Intellectual Property Organization (WIPO).

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Task Force on Innovation

Recognizing India's potential in innovation and creativity, a Task Force on Innovation was set up on the directions of the Commerce & Industry Minister. The Task Force had the mandate of assessing India's position as an innovative country, suggest measures to enhance the innovation ecosystem in India and thus improve India's ranking in the GI.

[Read More](#)

Intel announces Euro 152M, R&D investment

Intel today announced that it will invest over Rs.1100 crore (Euro 152M) to expand its R&D presence and build a new state-of-the-art design house in India. The proposed facility will be located at Intel's 44-acre campus on Sarjapur Ring Road (SRR) in Bengaluru, Karnataka

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BASF Group inaugurates new Innovation Campus Asia Pacific in Mumbai, India

The project will involve a total expected investment of up to €50 million from BASF Group, and marks the Group's largest research and development (R&D) investment in South Asia.

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Hon'ble Minister for S&T launches Mission Innovation smart grid innovation challenge

Mission Innovation smart grid innovation challenge was launched with Chinese Deputy Ministers having funding opportunity of US \$ 5 million for Innovation. Hon'ble Minister also released India's country Report on Smart Grids R&D and Deployment.

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[Back to contents](#)

Manufacturing / Make in India

Dedicated Freight Corridors to boost 'Make in India' campaign

Union Minister for Railways said that the three Dedicated Freight Corridors (DFC) planned by the Railways will provide logistics support for the 'Make in India' campaign.

For more information, please [click here](#)

Samsung to invest for Make in India campaign

Samsung will invest Rs. 4,915 crore (Euro 680M) in its Noida plant to double its production capacity for mobile phones and refrigerators, in order to maintain its lead in an already crowded market for both products.

For more information, please [click here](#)

Govt. approves 'Buy in India' to boost 'Make in India'

In a bid to boost its flagship 'Make In India' programme, the government has approved a new policy that will encourage consumers to 'Buy in India'. "Government procurement preference to Make In India order, 2017", preference in government procurement will be given to local suppliers.

For more information, please [click here](#)

CII, CSIR sign MoU for 'make in India tech development and deployment venture'

Confederation of Indian Industry (CII) and Council of Scientific and Industrial Research (CSIR) have joined hands to form a "Make in India Technology Development and Deployment Venture". This joint initiative will focus on priority sectors aligning to India's key aspirations under Make in India, Digital India, Start-up India, Skill India, and Clean India.

For more information, please [click here](#)

[Back to contents](#)

Energy Efficiency – Environment

Niti Aayog to rank states on energy efficiency

India's policy think-tank, Niti Aayog, will soon rank states on the basis of energy efficiency, a move which will help India achieve its international commitment of lowering energy consumption. This will be 6th in a series of indices which has been introduced for states over the past two years, the others being health, education, water management, agricultural and digital transaction.

[Read more](#)

EESL invites tie-up proposals from UK, Europe

In what will help add heft to India's climate change stand on the international stage, state-run Energy Efficiency Services Ltd (EESL) plans to expand its operations in the UK, Europe and North America. In order to operationalize its plans, EESL has invited proposals for strategic partnerships with clean tech organizations in these markets, according to an EESL statement on Thursday.

[Read More](#)

India and US MoU on renewables grid integration

Govt. has approved the signing of a memorandum of understanding (MoU) between Indian and US to cooperate on integrating utility-scale renewable energy into the grid. Analysts have made it known that if India's astonishing rise in solar and wind deployments is to avoid severe bottlenecks, then just as much emphasis needs to be put into transmission infrastructure and grid balancing services

For more information, please [click here](#)

Changes in Electronic Waste Management

From E-Waste (Management & Handling) Rules 2011, the Ministry of Environment, Forest and Climate Change (MoEFCC) has released a [draft e-waste management rules](#) and has invited comments from the public at large. The new rules aim to supersede the existing [E-Waste \(Management & Handling\) Rules 2011](#) that had come into effect three years ago on 1 May 2012.

For more information, please [click here](#)

[Back to contents](#)

EU-INDIA/Trade-FTA/Investments

Cabinet approves MoU on Renewable Energy between India and Portugal

Ex-post facto approval for signing of a Memorandum of Understanding (MoU) on Renewable Energy between India and Portugal was given. The MoU envisages constitution of a Joint Working Group which can co-opt other members from Scientific Institutions, Research Centers, Universities, or any other entity, as and when considered essential.

For more information, please [click here](#)

India & Belgium sign Protocol amending the India-Belgium Double Taxation Avoidance Agreement

India and Belgium have signed a Protocol amending the existing Agreement and Protocol between the two countries for Avoidance of Double Taxation and the Prevention of Fiscal Evasion with respect to Taxes on Income today in New Delhi.

For more information, please [click here](#)

EU asks India to extend by 6 months trade pact with EU nations

The European Union today pressed India to extend by six months its bilateral investment pacts with several EU-member countries which are expiring soon, saying absence of the treaties could adversely impact trade ties and FTA talks

For more information [click here](#)

India, UK to jointly invest £240 million in green energy sector

India and the United Kingdom (UK) decided to jointly invest up to £240 million to finance India's rapidly growing energy and renewables market. The fund will leverage private sector investment from London and is likely to raise around £500 million initially.

For more information [click here](#)

Cabinet approves MoU between India and France on Technical Cooperation in Civil Aviation

The Airports Authority of India (AAI) and its French counterpart, Civil Aviation Authority (DGAC), France signed an MoU to implement Technical Cooperation Program in civil aviation sector. The Technical Cooperation Program will be beneficial for enhancement of skills and expertise of AAI's officers.

For more information [click here](#)

Siemens opens its first digital factory in India

Siemens has opened its first digital factory in India, as the industrial conglomerate pitches smart facilities to small and medium scale enterprises in the country. The German company hopes to use the factory as a showcase to sell a range of plant automation equipment and software to Indian manufacturing units.

For more information [click here](#)

European Union grants India 3.5 million euros for 'MobiliseYourCity' initiative

India, France and the European Union have come together as part of a global sustainable development project, which will work at transforming three major Indian cities (Nagpur, Kochi and Ahmedabad) by improving urban mobility and cutting down carbon footprint.

For more information [click here](#)

India, Germany sign 12 agreements

India and Germany on Tuesday inked twelve MoUs following bilateral delegation-level talks presided over by Prime Minister Modi and German Chancellor Angela Merkel. The agreements inked included nine joint declarations of intent and 3 memoranda of understanding.

For more information [click here](#)

[Back to contents](#)

Invest India

India's growth prospects improve as key reforms payoff: IMF

India's economic growth outlook has improved as impact of demonetization is fading and some key reforms are paying off, but concerns are growing on corporate debt and banking system vulnerabilities, said the IMF.

[Read More](#)

India will grow at 7.2% this year: World Bank

India's economic growth is expected to pick up speed from 6.8% in 2016 to 7.2% by 2017 after a modest setback due to weaker than expected investments and effects of withdrawal of large denomination bank notes, a World Bank report said.

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[Back to contents](#)

Ease of doing business

Govt. nodal departments to improve ranking in World Bank's ease of doing business

In a bid to ensure, its reforms are counted by the World Bank in its ease of doing business survey, the govt. is reaching out to respondents and nodal departments to ensure they are aware of the reforms undertaken.

[Read more](#)

India eases rules to allow merger of Indian companies with foreign firms

India will allow local companies to merge with overseas firms, easing rules to help home-grown businesses restructure their expanding global operations, and pave the deck for more listings of securities on capital markets abroad.

[Read more](#)

[Back to contents](#)

Events:

India Telecom 2017: On 26 and 27 October 2017 at New Delhi

India Telecom conference 2017 (10th edition of event) is India's leading international ICT platform for the global community to connect, debate, network and share knowledge. India Telecom is jointly organized by the Department of Telecommunications, Ministry of Communications, Government of India, and Federation of Indian Chambers of Commerce & Industry (FICCI), with support from several prominent industry associations since 2006. For more information [please click here](#)

India Mobile Congress: On 27 to 29 September 2017 at The Pragati Maidan, New Delhi

The mobile industry in India is characterized by growth and opportunity, and as the industry changes, opportunities have increased manifold. The exhibition will bring together all global stakeholders at one place in India on mobility and technology. For more information, please [click here](#)

FICCI Smart Cities Summit 2017: On 20 and 21 September 2017 at The Lalit Hotels, New Delhi

Technological innovations are inevitable component to a city development project planning. Best fit frugal solutions across all basic infrastructure sectors must be identified and acknowledged so that cities can keep up to the fast-evolving world of technology and can also adopt the most viable and efficient technology to make the city smart and connected. For more information [please click here](#)

3GPP CT1#106, CT3#92 and CT4#80 Meetings: From Oct 23 - 27, 2017 in Kochi, India

You will be pleased to know that, Telecom Standards Development Society, India (TSDSI) and Indian Friends of 3GPP (IF3), is hosting the 3GPP CT1#106, CT3#92 and CT4#80 meetings at Kochi, Kerala, India.

For more information [please click here](#)

oneM2M Technical Plenary (TP) #31 Meeting: From 18-22 September 2017 at Courtyard by Marriott Bengaluru,

TSDSI is hosting the 31st oneM2M Technical Plenary (TP#31) meeting, 18-22 September, 2017, at Courtyard by Marriott Bengaluru, For more information [please click here](#)

[Back to contents](#)

Indian rupee

The Indian numeral system is based on the decimal system, with two notable differences from Western systems using long and short scales. The system is ingrained in everyday monetary transactions in the Indian subcontinent.

Indian semantic	International semantic	Indian comma placement	International comma placement
1 hazar	1 thousand	1,000	1,000
10 hazar	10 thousand	10,000	10,000
1 lakh	100 thousand	1,00,000	100,000
10 lakhs	1 million	10,00,000	1,000,000
1 crore	10 million	1,00,00,000	10,000,000
10 crores	100 million	10,00,00,000	100,000,000
100 crores	1 billion	100,00,00,000	1,000,000,000

Conversion applied above at 1 Euro = 70 INR and for more information please [click here](#)

[Back to contents](#)

About Project SESEI 3

SESEI stands for “Seconded European Standardization Expert in India” and is a 5-partner’s project based in New Delhi, India, with the objective to increase visibility of European standardization and promote EU/EFTA-India cooperation on standards and related issues. The Project is managed by the European Telecommunications Standards Institute (ETSI), a European Union recognized Standards Organization, and is further supported by the other two other recognized EU Standards Organizations CEN and CENELEC. The other two partners to this Project are the European Commission and the European Free Trade Association. It is a Standardization focused project, with a priority emphasis on the following sectors: ICT, Automotive, Electronic Appliances including Consumer Electronics and Smart Cities etc.

[Back to contents](#)

SESEI

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Standardization
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ETSI - European Telecommunications Standards Institute
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EC - European Commission
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EFTA - European Free Trade Association
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