



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

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Greeting from Project SESEI 3!



Dear All,

Here's wishing you a very Happy and Joyous Diwali, festival of lights and hope. We are pleased to bring the sixth edition of "Project SESEI Newsletter Europe", filled with important news and information around the project priority sectors. The newsletter provides you with a glimpse of various activities and policy initiatives introduced in India and the market updates from the

important sectors.

BIS along with Ministry of Electronics and IT and Department of Telecommunications is working on creating stringent guidelines and standards for the electronics including mobile phones. The ministry of electronics and information technology (MEITY) is working on a plan to introduce stricter quality standards to prevent the sale of spurious electronic goods and block data breaches under the CRO scheme. Similarly, various other government departments have started the process of notifying mandatory standards for products as "best quality" is fundamental to pushing economic growth. The government is also working towards easing the IPR registration process and has launched the system of issuing e-patent certificates. The Commerce & Industry Minister also launched the Startup India Virtual Hub, an online platform for all stakeholders of the entrepreneurial ecosystem in India to discover, connect and engage with each other. Government is consistently working towards digitization of important government activities and it is all set to scarp its public procurement wing. The procurement will now be handled by the government e-market, or GeM, platform which will be run by a private party under a government-appointed CEO.

In the smart city sector Government is focusing on faster execution and completion of the projects. The States and UTs are urged to ensure commencement of work by November this year on 261 impactful smart city projects in 60 cities that were announced during the period of "Jan- Sept' 2016".

5G and IoT technologies are also being identified as key enablers for faster deployment of Smart city projects. France is supporting the states of Chandigarh, Lucknow and Puducherry and Germany is collaborating with Coimbatore on Smart city Projects.

The Automotive sector is gearing up in full steam towards realization of their ambitious goal of all electrical vehicles by 2030. The State-owned Energy Efficiency Services Ltd (EESL) has invited global bids for 10,000 electric sedans that will run up to 150 km on a single charge, and is intended for use by Govt. departments, and is a big step towards vision of having only electric cars on Indian roads by 2030. Government will also increase its spending on electric vehicle infrastructure to the tune of INR 1.80 lakh crore [24B Euro] for setting up 6 million fast charging stations. The State Government of Karnataka has approved its Electric Vehicle and Energy Storage Policy 2017, and has become the first Indian state to roll out an Electric Vehicle Policy. The Ministry of transport is also looking at adopting international standards to curb the pollution from automobiles and will be studying the relevant standards from the global markets for adoption of bio-fuels and others measures.

In the ICT sector, government is busy formulating its New Telecom Policy 2018, to create a roadmap for the new digital strategy for the country. A Taskforce has also been constituted on Artificial Intelligence (AI) for India's Economic Transformation, aiming to digitize the manufacturing sector through big data, high computing capacity, artificial intelligence and analytics, etc. We are also happy to report that the efforts of ETSI, EU-India partnership instrument on ICT Standardization, TSDSI and C-DOT were greatly appreciated during the first oneM2M developers event held in India.

India has made visible progress in the Power sector, and has taken a huge leapfrog in power generation and use of renewable energies. New Policies and specification for hydro power, solar, other fuel options and multiple technologies for energy sector are being integrated into the National Energy Policy (NEP), drafted by the NITI Aayog. The electronics good market is projected to \$400 billion by 2022 as per the industry body ELCINA. The government is also working towards drafting a new electronics manufacturing policy through a consultative approach in support of Govt. "Make in India" mission. The commerce and industry ministry will also be releasing a new industrial policy with an aim to create more jobs for the next two decades, promote foreign technology transfer and attract \$100 billion FDI annually.

The 14th Summit between the European Union and India was held in New Delhi, marking 55 years of diplomatic relations between the world's two largest democracies. Many concrete deliverables were agreed by the leaders at the Summit. India and the EU has also reaffirmed their commitment to a free and secure cyberspace during the fourth India-EU Cyber Dialogue.

We are positive that the new reforms, policies and ease in regulatory environment will support India in faster realization of its highly ambitious goals and objectives. In achieving these goals and objectives, I am confident that Standards harmonization and sharing of best practices between India and EU will play a key role. With this, I 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)

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Headlines of the Quarter

Standards, TBTs & IPR

BIS allows mobile makers to display registration via e-labelling

Mobile phone makers got a breather with the Bureau of Indian Standards notifying its decision to allow digital labels, indicating the registration number and BIS trademark, instead of physical ones on the device. Meity had earlier, under the CRO scheme, asked handset manufacturers to put physical labels of registration numbers and BIS approval mark on the body of handset.

[Read More](#) [BIS e-labelling guidelines](#)

Departments working on notifying mandatory standards: DIPP

Various departments have started the process of notifying mandatory standards for products as "best quality" is fundamental to pushing economic growth. Emphasizing upon the importance of quality and standards of goods & services, Secretary, Department of Industrial Policy and Promotion (DIPP) said that to become part of the global value chain, quality should be the best in the world.

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The Government has launched the system of issuing e-patent certificates after grant of patent

The Government has launched the system of issuing e-patent certificates after grant of patent, by issuing a public notice on 3 July 2017. The patent certificate will be generated through an automated system after the patent is granted by the Controller.

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Cabinet clears MoU between India, Sweden on IPR

The Union Cabinet today cleared MoU signing between India and Sweden on intellectual property right (IPR) cooperation, aimed at benefiting entrepreneurs, investors, and businesses. This will enable India to exchange experiences in innovation and IP ecosystems.

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Government to issue security standards for phone makers to control data theft

Concerned over theft of personal and financial data at the hands of mobile companies, especially the large number of Chinese firms, the government is set to mandate strict security and privacy guidelines and standards for device makers. The cyber-security standards may be announced over the next few weeks and are aimed at protecting the data and information of mobile users.

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IT ministry to tighten quality standards for electronic goods

The ministry of electronics and information technology is working on a plan to introduce stricter quality standards to prevent the sale of spurious electronic goods and block data breaches. Minister held a meeting with officials to tighten provisions of Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012 to consider including parts of the products themselves under the ambit of the compulsory registration order (CRO).

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Smart Cities

Centre to incentivize states completing smart city projects fast

The Centre will give about INR 3,700crore (493m Euro) as incentive to states for faster completion of smart city projects. PM has asked all the chief secretaries of states to monitor the progress of smart city projects for early completion. The incentive amount will be about 2% of the cost of all projects.

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EU devotes 1.5 billion euros for Indian infrastructural projects

EU has committed 1.5 billion euros for various developmental projects in India. The largest chunk of this funding has gone to Lucknow metro project. The aim is to match Indian cities with EU cities. The major outcome of this project has been that 12 Indian and 12 EU cities have collaborated with each other to make themselves smart.

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France to invest \$1.5 billion in Smart Cities Mission

With a commitment of 1.5 billion dollars for development projects in India, France shares a special relationship with Chandigarh. France has decided to support three Indian cities-Chandigarh, Lucknow and Puducherry. France is also providing financial support in addition to technical support under this programme, aiming to cover 15 Indian cities.

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First smart innovation lab-set up in Coimbatore

Coimbatore signed MoU with Fraunhofer a Germany-based research firm to set up the country's first smart innovation lab under the smart-cities mission programme. The major concepts that the lab will work on are water technology and urban mobility. According to the MoU, there will be knowledge and experience sharing of the best practices of Germany to the city officials.

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Centre asks States to focus on impactful and PPP based smart city projects

Central government has asked the States to focus on early implementation of smart city projects that have a visible and transformative impact in the lives of citizens in identified smart cities. The States and UTs are urged to ensure commencement of work by November this year on 261 impactful smart city projects in 60 cities that were announced during Jan- Sept 2016. [Read More](#)

The Challenge in Making 5g Work for Smart Cities

Financial factors, commercial models, geography and planning regulations can all pose problems for local authorities with an eye on the technology. 5G and its implications for the development of smart places is moving up the agenda for all those involved. The new wireless broadband technology promises to run many times faster than the existing 4G, with the scope for bandwidths touching 1Gbps for some applications and the ability to handle the exponential growth in connections that comes with the internet of things (IoT). [Read More](#)

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Automotive

Govt needs to spend about INR 1.8 lakh crore in electric vehicle infrastructure to meet 2030 target

With around 6 million fast charging stations needed in India, the government will increase its spending on electric vehicle infrastructure. Gov. would need to spend around INR 1.80 lakh crore (24B Euro) on setting up fast charging points. Fast charging unit costs about INR 3-4 lakh (4K-5K Euro) to set up. By 2030 the government needs to set up around 6 million fast charging points across India.

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Government invites global bids for 10,000 electric cars

State-owned Energy Efficiency Services Ltd (EESL) has invited global bids for 10,000 electric sedans that will run up to 150 km on a single charge, for use by gov. departments, taking a big step towards having only electric cars on Indian streets by 2030. EESL, which has led government efforts to popularize and dramatically reduce the price of energy-saving LED bulbs, plans to buy e-vehicles in two phases.

[Read more](#)

ARAI revises norms for ground clearance and fuel economy

Automotive Research Association of India has revised norms and mandates for measuring ground clearance for vehicles sold in India. Under new norms, cars will be tested in GVW conditions. Additionally, automakers will have to ensure that their respective products return a minimum fuel efficiency of 18.2kmpl, which is about 15 per cent more than existing mileage.

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Auto component industry to hit \$200B by 2026

The auto component industry is looking at more than doubling its investments in the next 9 years to clock a targeted turnover of \$200 billion by 2026. According to ACMA, the estimated investments being lined up would be upwards of \$30 billion as the industry factors in technology transformations as well electric mobility trends. The component industry has so far invested a total \$13-14 billion.

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With A Target to Raise \$4.83B, Karnataka becomes First State to Roll out Electric Vehicle & Energy Storage Policy

The Karnataka state government, has approved the state's Electric Vehicle and Energy Storage Policy 2017. The initiative is in line with the union government's vision to make the country an all-electric vehicle market by 2031. It is the first Indian state to roll out an Electric Vehicle Policy.

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Govt. to adopt & implement automobile standards in developed countries to reduce pollution levels

With a view to significantly bring down pollution levels, the government has decided to adopt international automobile standards. It has been decided to appoint a consultant to study all automobile standards for both fuel and vehicle in countries like Germany, France, UK, Sweden and implement it on the same lines in India.

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Ministry pushes for large-scale introduction of biofuel vehicles

Nitin Gadkari directs NITI Aayog to study automobile standards developed by China for various methanol-powered vessels like cars and ships, and prepare a report. Union minister for road transport and highways Nitin Gadkari is looking at a large-scale introduction of biofuel vehicles for road and water transportation. [Read More](#)

Ministry Notifications

- G.S.R. 643(E): Central Motor Vehicles (10th Amendment) Rules, 2017; Government of India. [Read More](#)
- G.S.R. 633(E): Central Motor Vehicles (Ninth Amendment) Rules, 2017; Government of India. [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

- [LITD8\(11945\) : Transitions, pulses and related waveforms – Terms, definitions and algorithms](#)
- [LITD8\(11944\) : Electrical and electronic measurement equipment –Expression of performance\(Second Revision\) IS 9176:2017](#)
- [LITD 12 \(12063\) : SAFETY REQUIREMENTS FOR RADIO TRANSMITTING EQUIPMENT- GENERAL REQUIREMENTS AND TERMINOLOGY \(Second Revision\)](#)
- [LITD 17 \(11839\) : INFORMATION TECHNOLOGY- SECURITY TECHNIQUES – INFORMATION SECURITY MANAGEMENT – MONITORING, MEASUREMENT, ANALYSIS AND EVALUATION \(First Revision\)](#)
- [LITD 17 \(11840\) : INFORMATION TECHNOLOGY- SECURITY TECHNIQUES – INFORMATION SECURITY MANAGEMENT SYSTEMS – OVERVIEW AND VOCABULARY \(First Revision\)](#)
- [LITD 04\(11855\) /IEC 61747-3:2015 : Liquid Crystal Display Devices Part 3: Liquid Crystal Display LCD Cells – Sectional Specification \[First Revision of IS15934\(Part 3\)\]](#)
- [LITD 04\(11854\) /IEC 61747-2:2015 : Liquid Crystal Display Devices Part 2: Liquid Crystal Display Modules – Sectional Specification. \[First Revision of IS15934\(Part 2\)\]](#)
- [LITD 04\(11858\) /IEC 61747-4- 1:2014 : Liquid Crystal Display Devices Part 4: Matrix Color LCD Modules Section 1 Essential ratings and characteristics \[First Revision of IS15934\(Part 4/Sec 1\)\]](#)
- [LITD 04\(11857\) /IEC 61747-4:2012 : Liquid Crystal Display Devices Part 4: Liquid Crystal Display Modules and Cells – Essential Ratings and Characteristics. \[First Revision of IS15934\(Part 4\)\]](#)
- [LITD 04\(11856\) /IEC 61747-3- 1:2015 : Liquid Crystal Display Devices Part 3: Liquid Crystal Display LCD Cells Section 1 Blank detail Specification. \[First Revision of IS15934\(Part 3/Section1\)\]](#)
- [LITD 04 \(11791\) /IEC 61747-1-1:2014 : Liquid Crystal Display Devices - Part 1: Generic Section 1 Generic Specification. \[First Revision of IS15934\(Part 1\)\]](#)
- [LITD 17 \(3594\) : INFORMATION TECHNOLOGY- SECURITY TECHNIQUES – BIOMETRIC INFORMATION PROTECTION](#)
- [LITD 17 \(3595\) : INFORMATION TECHNOLOGY- SECURITY TECHNIQUES – SECURITY EVALUATION OF BIOMETRICS](#)

Data protection bill to be in place by December: Law Minister Ravi Shankar Prasad

The draft data protection law is likely to be in place by December and it will comply with the Supreme Court's judgement on right to privacy. The law, being drafted by a panel headed by retired Supreme Court Judge, will answer most of the questions which have arisen post judgement that declared privacy a fundamental right.

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New Telecom Policy may ensure Internet access for 1.3 billion Indians

The New Telecom Policy, expected by March 2018, will focus on affordable internet access to 1.3 billion Indians and facilitate domestic manufacturing to curb dependence on imports. Internet to all will be the basic principle and to give a boost to telecom manufacturing would be a key factor of the new telecom policy.

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Huawei's Bengaluru R&D Centre Now Largest

Huawei announced companies R&D Centre in Bengaluru has emerged as largest among all overseas R&D centers of the company. The Bengaluru R&D facility is now a key platform, component and solutions development and delivery center for global markets, and has end-to-end ownership.

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Bidding for Second Phase of BharatNet by Oct

The bidding for the second phase of Bharat Net project — which entails broadband connectivity for the remaining 1.5 lakh gram panchayats — is likely to be completed by October. The tenders for the network infrastructure of Bharat Net are likely to be floated by September and contracts are expected to be awarded by October, the official said.

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Task Force on Artificial Intelligence for Economic Transformation

Commerce and Industry Minister has constituted a Task Force on Artificial Intelligence (AI) for India's Economic Transformation. She said driven by the power of big data, high computing capacity, artificial intelligence and analytics, Industry 4.0 aims to digitize the manufacturing sector.

[Read More](#)

Global advancement of IoT progresses as oneM2M hosts first developer event

The advancement of IoT in India has taken a significant step forward as nearly 100 members of the developer community descended for oneM2M's inaugural developer event. Workshop was, co-organized by the EU-India Cooperation on ICT Standardization with input from ETSI, TSDSI and C-DOT.

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Government Asks 21 Smart Phone Makers to Share Security Information

The ministry of electronics and IT has directed 21 smart phone makers, such as Apple and Samsung, Chinese makers such as Oppo, Vivo, Xiaomi, Lenovo and Gionee, to inform it about the procedures and processes they follow to ensure the security of mobile phones sold in India. [Read More](#)

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

In a bid to protect local manufacturers, the gov. 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.

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Airtel, SK Telecom tie-up to build high speed network, 5G

Telecom operator Bharti Airtel announced strategic partnership with South Korean telecom operator SK Telecom, to build the most advanced telecom network in India. They will also collaborate to evolve standards for 5G & advanced technologies, (NFV), (SDN) and (IoT). [Read More](#)

India is setting best practices in NTP 2018

New Telecom Policy 2018 will not only follow but also set best practices, it is part of a much larger vision that the PM and the government have articulated for India because India is attempting to do nothing short of charting a new digital strategy for growth

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Model RFP Template and Guidance Notes for e-Gov projects

Govt. has released model RFPs for e-Governance projects which would address issues & encourage the industry to partner with the Government in making India digital. [Read more](#)

Department of Telecommunications Creates Investment Facilitation Centre

A Cell has been created to help channelize investments in Telecom Sectors. The move comes at a time when the sector is sagging under a debt sharply falling returns on capital employed. [Read More](#)

Telecom Regulatory Authority of India has issued following Consultation Papers

- [Consultation Paper on 'Next Generation Public Protection and Disaster Relief communication networks'](#)
- [Consultation Paper on In Flight Connectivity \(IFC\).](#)
- [Draft Recommendations on 'Ease of doing Telecom Business' for comments of stakeholders.](#)
- [Consultation Paper on Promoting Local Telecom Equipment Manufacturing](#)
- [Consultation Paper on Unsolicited Commercial Communication](#)
- [Consultation Paper on Auction of Spectrum in 700 MHz, 800 MHz, 900 MHz, 1800 MHz, 2100 MHz, 2300 MHz, 2500 MHz, 3300-3400 MHz and 3400-3600 MHz bands.](#)
- [Consultation Paper on Privacy, Security and Ownership of the Data in the Telecom Sector](#)

Electrical Equipment including Consumer Electronics

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

- [ETD 32 \(12040\): Electric Ceiling Type Fans Specification \(Fourth Revision\)](#)
- [ETD 33 \(11233\) : Specification for Particular Types of Winding Wires - Part 20 Solderable polyurethane enameled round copper wire, class 155 \(second revision\)](#)
- [ETD 20 \(11951\) : Low-voltage electrical installations Part 8-1: Energy efficiency](#)
- [ETD 01 \(11959\) : Recommended Practice for Monitoring Electric Power Quality](#)
- [ETD 14 \(11691\): Draft Amendment No. 5 September 2017 to IS 371: 1999 CEILING ROSES — SPECIFICATION](#)
- [ETD 25 \(11990\) : Guide for maintenance of lifts](#)
- [ETD 25 \(11991\) : Guide for maintenance for escalators and moving walks](#)
- [ETD 25 \(11992\) : Electric Traction Lifts: Part 6 Replacement of existing passenger and goods passenger lifts in existing building](#)
- [ETD 14 \(11790\) : Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – General requirements](#)
- [ETD 01 \(12059\) : DISTRIBUTION SYSTEM SUPPLY VOLTAGE QUALITY](#)
- [ETD 16 \(10797\): SPECIFICATION FOR FITTINGS AND ACCESSORIES FOR POWER TRANSFORMERS PART 2 ROLLERS, EARTHING TERMINALS, NEUTRAL GROUNDING BUSBAR AND SUPPORT INSULATORS](#)
- [ETD 16 \(10800\): SPECIFICATION FOR FITTINGS AND ACCESSORIES FOR POWER TRANSFORMERS PART 5 GAS AND OIL ACTUATED RELAY \(BUCHHOLZ RELAY\)](#)
- [ETD 16 \(10798\): SPECIFICATION FOR FITTINGS AND ACCESSORIES FOR POWER TRANSFORMERS PART 3 IMPACT RECORDER](#)
- [ETD 16 \(10799\): SPECIFICATION FOR FITTINGS AND ACCESSORIES FOR POWER TRANSFORMERS PART 4 FLEXI SEPARATOR Section 1 Flexi Separator \(Bladder, Air Cell\) Section 2 Flexi Separator Rupture Device for Conservator](#)
- [ETD 03 \(11756\): Oil-filled electrical equipment – Sampling of gases and analysis of free and dissolved gases- Guidance \(second revision\)](#)
- [ETD 01 \(11727\): Electrotechnical Vocabulary: Part 35 Rotating Machinery](#)
- [ETD 01 \(11726\): Electrotechnical Vocabulary: Part 32 Electric Cables](#)
- [ETD 01 \(11725\): Electrotechnical Vocabulary: Part 83 Measuring Relays](#)
- [ETD 01 \(11729\): Electrotechnical Vocabulary: Part 60 Equipment for Explosive Atmospheres](#)
- [ETD 01 \(11730\): Electrotechnical Vocabulary: Part 62 Electrical insulating solids, liquids, and gases](#)
- [ETD 01 \(11728\): Electrotechnical Vocabulary: Part 54 Insulators](#)
- [ETD 01 \(11724\): Electrotechnical Vocabulary: Part 83 Time Relays](#)
- [ETD 01 \(11723\): Electrotechnical Vocabulary: Part 82 Elementary Relays](#)
- [ETD 03 \(11765\): Insulating liquids – Oil-impregnated paper and pressboard – Determination of water by automatic coulometric Karl Fischer titration \(first revision\)](#)
- [ETD 03 \(11773\): Guidelines for the checking and treatment of sulfur hexafluoride \(SF6\) taken from electrical equipment and specification for its re-use](#)
- [ETD 03 \(11760\): Mineral oil-filled electrical equipment in service – Guidance on the interpretation of dissolved and free gases analysis \(third revision\)](#)
- [ETD 32 \(11795\): Domestic electric clothes washing machines for household use – Specification \(First Revision\)](#)
- [ETD 49 \(11832\): LED Traffic Signal –Specification](#)
- [ETD 16 \(11842\): POWER TRANSFORMERS PART 1 GENERAL \(Third Revision\)](#)
- [ETD 14 \(11692\): Draft Amendment No. 8, August 2017 to IS 3854: 1999 Switches for domestic and similar purposes - Specification](#)
- [ETD 28\(11868\): Photovoltaic system performance – Part 3: Energy evaluation method](#)
- [ETD 28\(11846\): Concentrator photovoltaic \(CPV\) modules and assemblies – Design qualification and type approval \(First Revision of IS 16228\)](#)
- [ETD 28\(11867\) Photovoltaic system performance – Part 2: Capacity evaluation method](#)
- [ETD 28\(11887\): Photovoltaic \(Pv\) Array – On-Site Measurement of Current-Voltage Characteristics \(First Revision of IS/IEC 61829\) \(First Revision\)](#)

- [ETD 28\(11893\): Photovoltaic \(PV\) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection \(IEC 62446-1 : 2016\)](#)
- [ETD 28\(11866\) Photovoltaic system performance Part 1 Monitoring \(First Revision\)](#)
- [ETD 28\(11845\) : Solar photovoltaic energy systems – Terms, definitions and symbols \(Second Revision of IS 12834\)](#)
- [ETD 28\(11895\) : Measurement procedures for materials used in photovoltaic modules – Part 1-4 : Encapsulants – Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off wavelength IEC 62788-1-4 : 2016](#)
- [ETD 28\(11896\) : Measurement procedures for materials used in photovoltaic modules – Part 1-5 : Encapsulants – Measurement of change in linear dimensions of sheet encapsulation material resulting from applied thermal conditions \(IEC 62788-1-5 : 2016\)](#)
- [ETD 28\(11897\) : Terrestrial photovoltaic \(PV\) modules – Guidelines for increased confidence in PV module design qualification and type approval IEC 62941 : 2016](#)
- [ETD 28\(11898\) : Measurement procedures for materials used in photovoltaic modules – Part 1-2 : Encapsulants – Measurement of volume resistivity of photovoltaic encapsulants and other polymeric materials IEC 62788-1-2 : 2016](#)
- [ETD 19\(11923\) : Insulation Coordination For Equipment Within Low-Voltage Systems – Part 3 : Use of Coating, Potting or Moulding for protection against pollution \(\(Second Revision of IS 15382\(Part 3\)\)](#)
- [ET 23\(11926\) : Draft Amendment No. 6 To IS 15111 \(Part 1\) : 2002 Self Ballasted Lamps for General Lighting Services - Part 1 : Safety Requirements](#)

India electronics industry is projected to grow to \$400 billion by 2022: ELCINA

India electronics industry is worth \$140 billion in 2017 and is projected to grow to \$400 billion by 2022, according to data shared by ELCINA. By 2020, the industry worth is realistically expected to reach a target of \$280 billion based on the current exchange rate.

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Government to hold talks on new electronics policy

To strengthen the ongoing momentum in domestic production of electronic goods, the government is looking at drafting a new electronics manufacturing policy and as a first step, a consultation with the industry and other stakeholders is slotted for the last week of September.

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Govt implements new rules for buying solar power

The government has implemented new rules for buying power from grid-linked solar power projects through competitive bidding under the National Solar Mission to improve transparency and standardize auctions. These guidelines, prepared by the Ministry of New and Renewable Energy (MNRE), cover the grid-connected solar PV power projects with a size of 5 mw and above.

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MNRE & GIZ Signs Agreement to Improve Framework Conditions for Grid Integration of Renewable Energies

Ministry of New and Renewable Energy (MNRE), Gov. of India and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH India on behalf of the Government of the Federal Republic of Germany signed an agreement on technical cooperation under the “Indo-German Energy Programme – Green Energy Corridors (IGEN-GEC)”.

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[Govt mulling hybrid green policy of wind, solar in same site](#)

The power ministry is considering a ‘hybrid policy’ that allows bidding for both wind and solar power projects at the same site. Ministry is working on the model and a draft will be placed soon for discussion.

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[New norms for solar power bids to enhance transparency: MNRE](#)

The MNRE had issued the new guidelines for tariff based competitive bidding process on August 3. The guidelines have been issued under the provisions of Section 63 of the Electricity Act, 2003 for long term procurement from grid—connected Solar PV Power Projects of 5 MW and above, through competitive bidding. [Read More](#)

EESL to procure 50 lakh smart meters for Smart Grids

Energy Efficiency Services (EESL), under the Ministry of Power, Government of India has put out a mega tender for procurement of 50 lakh smart meters. Smart meters will help in reducing Aggregate Technical and Commercial (AT&C) losses, power thefts & also help monitor round the clock power supply eventually leading to greater efficiency and 24X7 powers for all.

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NITI Aayog National Energy Policy 2017: Here are key points of draft policy

The 2017 National Energy Policy (NEP), drafted by the NITI Aayog, takes the baton forward from the 2006 Integrated Energy Policy (IEP) in setting the trajectory of growth for the energy sector. The value proposition of the NEP is to present a broad framework for the overall energy sector, considering the multiple technology and fuel options.

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Cabinet may consider INR 17,000-cr hydro power policy this month

The Union Cabinet may take up for approval this month the hydro-power policy which aims to provide INR 16,709 crore [22M Euro] support for stalled 40 hydel projects, entailing 11,639 MW capacity, and to classify all such ventures as renewable energy.

[Read More](#)

India issues new specifications for solar power modules

India's Ministry of New and Renewable Energy (MNRE) has issued an order for new set of standard specifications for solar Photo-Voltaic (PV) modules which will come into force after one year from the date of their notification on Wednesday.

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R&D and Innovation

IIT Delhi gets Centre of Excellence for renewable energy

The Centre has been set up to establish a world-class research and development facility, to develop cutting-edge renewable energy solutions, foster exchange of ideas between industry, academia and policy makers from across the world and offer research and internship opportunities for undergraduate, postgraduate and PhD students.

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Trai may ask DoT to enable domestic research for 5G technology

With an aim to have a homegrown ecosystem for R&D of 5G technologies, the TRAI is soon expected to send a set of recommendations to the Centre that would enable companies wanting to conduct research experiments for the latest generation of mobile telephony domestically.

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Cabinet approves India-Israel Industrial R&D, Innovation fund

The Union Cabinet approved a MoU between India and Israel on "India-Israel Industrial R&D and Technological Innovation Fund (I4F)". India and Israel will make contribution of four million US Dollars each for the Fund, both equivalent amount, annually for five years.

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Government of Karnataka signs MoU with Embassy of Finland

The Dept. of IT & Biotechnology (BT), Gov. of Karnataka, entered a MoU with the Embassy of Finland. The innovation cooperation between Karnataka and Finland, called Karnataka – Finland Innovation Corridor, offers a virtual platform facilitating the exchange of information and expertise in the fields of science, research, innovation and skill development.

[Read More](#)**ISRO and CSIR-NPL sign MoU for time and frequency traceability services**

Indian Space Research Organization (ISRO) and Council of Scientific and Industrial Research (CSIR)-National Physical Laboratory (NPL) sign MoU for time and frequency traceability services. [Read more](#)

NITSER (National Institutes of Technology, Science Education and Research) Amendment Bill passed**Department of Industrial Policy & Promotion (DIPP) to set up India's first TISC in Punjab.**

Punjab State Council of Science and Technology in New Delhi today to establish India's first Technology and Innovation Support Center (TISC) at Patent Information Centre, Punjab, under the World Intellectual Property Organization's (WIPO) TISC program. [Read more](#)

NITI Aayog to provide financial aid for incubation centers

NITI Aayog's Atal Innovation Mission will provide financial assistance to 10 different institutions for setting up incubation centers, in the first round of funding. [Read more](#)

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Manufacturing / Make in India

DIPP seeks views on new industrial policy; floats paper

The commerce and industry ministry today said work is on to frame a new industrial policy with an aim to create jobs for the next two decades, promote foreign technology transfer and attract \$100 billion FDI annually. The policy is expected to be released in October.

[Read more](#)**New telecom policy to push local manufacturing**

The new telecom policy (NTP) will include a package to boost domestic manufacturing of equipment to cut dependence on imports and create local jobs. Work on the policy blueprint is likely to start after the Sept 2018 meeting of the Telecom Commission. Big thrust of the policy is Internet for all and second is Make in India."

[Read More](#)**Make in India initiative: Indigenous supercomputers to be manufactured under 3-phase project**

As part of the 'Make in India' initiative, super computers will be manufactured in India under a three-phase programme. In the initial two phases of the National Supercomputers Mission, the focus will be on designing and manufacturing subsystems such as high-speed Internet switches and compute nodes indigenously.

[Read More](#)**Phased manufacturing programme may be extended to other sectors**

The government might allow tax incentives and tariff intervention for more sectors, on the lines of the phased manufacturing programme (PMP) aimed at boosting mobile phone production. This might be a logical step forward from the government policy of preference to domestic companies in government procurement.

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Energy Efficiency – Environment

Govt set to unveil new biofuel policy in bid to cut fossil fuel imports

India will soon announce a new policy to promote biofuels as part of efforts by the world's third-largest emitter of greenhouse gases to cut imports of fossil fuels like oil, gas and coal. The government aims to develop a biofuel economy worth INR 1 trillion (\$15.6 billion) in the next two years.

[Read More](#)

Achieve 100 GW clean energy by 2019-20: Niti Action Agenda

Niti Aayog has set for the government an ambitious goal of 100 giga watt of clean energy by 2019-20 and wants financial provision for generation and infrastructure rather than just capacity creation. According to the Central Electricity Authority monthly report for July, India has 58.3 GW of renewable energy capacity, including 32.5 GW wind power, 13.1 GW solar power, 4.3 GW small hydro and 8.1 GW biomass.

[Read More](#)

Green building code to hike construction costs by 5%: BEE

The new green building code 2017 will lead to a rise in construction costs by 5 per cent but save energy up to 50 per cent, a senior official said. "New green building code 2017 will raise the costs by 5 per cent. But savings in energy can be as high as 50 per cent. The new code could play big role in achieving India's climate goals," a statement quoted Abhay Bakre, Director General, BEE. [Read More](#)

NTPC invites developers to set up 100 waste-to-energy plants

NTPC has invited national and international players to set up 100 waste-to-energy pollution-free plants across the country under the Swachh Bharat mission. It invited expression of interest from domestic as well as global players for setting up such plants based on proven technologies on turnkey basis, according to a public notice.

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Invest India

Financial year April to March to stop from 2019

From January 2019, even the 150-year-old British April-March fiscal will get a burial. One Budget from now, India will move to a system where the calendar year and financial year will be the same. The next Budget, to be presented on February 1, 2018, will be for nine months, after which a full Budget will be presented for the year.

[Read More](#)

India's demography will make it economic superpower: Deloitte

India will emerge as an economic superpower supplying more than half the increase in Asia's potential workforce over the coming decade in a developing scenario where demography is shifting the balance of power in Asia, according to Deloitte's "Voice of Asia" report.

[Read More](#)

NITI to merge 15-yr vision document, 7-yr strategy paper

NITI Aayog, has decided to combine the 15-year vision document with 7-year medium-term strategy paper to bring out a comprehensive roadmap to accelerate the economic growth. [Read More](#)

Department of Industrial Policy & Promotion (DIPP) has notified Consolidated FDI Policy. [Read more](#)

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EU-INDIA/Trade-FTA/Investments

European Union & India establish an Investment Facilitation Mechanism

European Union (EU) and India today announced the establishment of an Investment Facilitation Mechanism (IFM) for EU Investments in India. The mechanism will allow for a close coordination between the European Union and the Government of India with an aim to promote and facilitate EU investment in India.

[Read More](#)

EU hopes to resume FTA talks with India

The EU is looking at a bilateral summit with India next month that would act as a catalyst for resumption of talks on the free trade agreement encompassing goods, services and mutual investment protection, according to a senior EU official. Talks on the Bilateral Trade Investment Agreement (BTIA) - the official title of the pact -- started in 2007 but have been marred by various flip-flops and disagreements.

[Read More](#)

India, EU reaffirm commitment to free, secure cyberspace

India and the EU reaffirmed their commitment to a free and secure cyberspace during the fourth India-EU Cyber Dialogue. India reaffirmed that the existing principles of international law are, in general, applicable in cyberspace and that there was a need to continue and deepen deliberations on the applicability of international law to cyberspace and set norms of responsible behavior of states,"

[Read More](#)

India – EAEU free trade agreement negotiations to begin soon: DIPP

The Secretary observed that India's trade with the EAEU Region is barely USD 8.4 billion and this is well below potential. It is for this reason that India and the EAEU had decided to set up a Joint Feasibility Study Group on the India – EAEU FTA at SPIEF in 2015.

[Read More](#)

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Ease of doing business

Commerce & Industry Minister launches the Startup India Hub

The Commerce & Industry Minister Smt. Nirmala Sitharaman launched the Startup India Virtual Hub, an online platform for all stakeholders of the entrepreneurial ecosystem in India to discover, connect and engage with each other. It will streamline the lifecycle of existing and potential startups, helping them access the right resources at the right time.

[Read More](#)

Govt to scrap public procurement wing

After abolishing the Foreign Investment Promotion Board (FIPB), which was responsible for clearance of foreign direct investment proposals, the government is all set to scrap its public procurement wing called Directorate General of Supplies and Disposals (DGS&D). The work will now be handled by the government e-market, or GeM, platform which will be run by a private party under a government-appointed CEO.

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Events:

India Telecom 2018: on 7 and 8 Feb, 2018, New Delhi

India Telecom conference 2018 (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](#)

TSDSI TP Oct 2017 BLR : on 30 and 31 October, 2017, Bengaluru

Detailed Agenda Schedule shall be provided 2 weeks before the meeting. For more information please [click here](#)

IoT India 2017: on 7 and 8 December, Pragati Maidan , Central Delhi

Internet of Things India (IoT India) is a 2-day conference and exhibition to address and harness new insights on emerging trends and technologies to establish strategic direction in India's IoT space. This platform gathers leading industry experts, aspiring entrepreneurs and rising start-ups from India and Asia Pacific region. For more information please [click here](#)

Smart City Summit-Pimpri Chinchwad: on 3 and 4 November at Grand Exotica Business Hotel, Maharashtra , India

Towards Realizing Smart City Dream the 'Detroit of the East' is all set to fly high. This time in realizing the smart city dream. Blessed with rich cultural heritage and history, Pimpri Chinchwad city in Maharashtra is on the brink... For more information please [click here](#)

Smart Mobility Conference: on 20 November 2017, FICCI, Federation House, New Delhi

The Conference focuses on 'smart mobility' solutions that enable faster, greener and cheaper transportation of people and freight while reducing congestion. For more information please [click here](#)

One Day Workshop on Cyber Crimes and Cyber Laws in Digital Era Southern Region : on 3rd November 2017 at IIM Trichy-Chennai Centre, Chennai

Workshop on Cyber Crimes and Cyber Laws in Digital Era will look at the emerging legal, policy and regulatory issues pertaining to cyberspace and cybercrimes. For more information [please click here](#)

Cyb-Sec Summit 2017 (Cyber Security) Western Region : on Thursday, 09 November 2017 at Hotel The Lalit, Andheri East, Mumbai.

India is transforming itself from an analog to a digital nation; the rapid transformation to Digital India is being seen across all key sectors including banking & financial services, public utilities, central and state governments and retail e-commerce. For more information please [click here](#)

CII Digital India TELECOM Convergence Summit 2017 : on Nov 10, 2017 at Leela Palace, New Delhi, India

New technologies are changing the business models of organizations leading to diminishing boundaries between various sectors. For more information please [click here](#)

Two Day Workshop on Internet of Things – Hands on Training on Raspberry – Pi Southern Region: on 27th & 28th October 2017, at Chennai.

This workshop will introduce you to concepts of internet of things, the unexplored potential of the Raspberry Pi- the hardware, software and its applications. For more information please [click here](#)

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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](#)

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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.

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SESEI

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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
www.efta.int