

# Quarterly Report No. 12

## Standards, Policy and Regulation

(‘January – March’ 2019)

April 2019

SESEI 3 – Dinesh Chand Sharma

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## 1. Executive Summary

This is the 12<sup>th</sup> edition of the quarterly report, providing activity details of Project SESEI for the period of January, February and March 2019. The Quarterly report also provides updates related to policies, regulations, legislations and new standards concerning the SESEI priority sector.

India at present is witnessing the biggest democratic elections in the world. The new government is likely to be formed in May 2019. The previous government has initiated a new direction for India, setting goals like Smart City Mission, Electric Vehicles by 2030, electrification of the entire country, making India the Manufacturing Hub, new digital policy, etc.

The presence of SESEI in India has aided in providing timely update on policy and legislation changes, which could have impact on the strategic interest for European standardization bodies. SESEI also got the opportunity to participate in a lot of meetings organized by the Indian SDO's and contributing as a representative of European Standardization Expert.

A lot of policy announcements have been made in quick succession, especially in the Electronic, ICT and Automotive Sector, all these and other important information about the priority sector has been captured in this quarterly report.

The Department of Industry Policy & Promotion (DIPP) released India's [Draft Ecommerce Policy](#) (pdf). The e-commerce policy aims to provide a policy framework that will enable India to benefit from rapid digitisation of the domestic, as well as global economy. It will also address the regulatory gaps from the Personal Data protection Bill.

Another important development is that the Indian Government has also approved the proposal to align with the global trademark system. This will provide India accession to Nice, Vienna and Locarno agreement.

In the ICT sector the National Policy on Software Products - 2019 was approved with a vision to develop India as a Software Product Nation. With an outlay of 1500 crores (187b Euro) the Policy will lead to the formulation of several schemes, initiatives, projects and measures for the development of Software products sector in the country as per the roadmap envisaged therein.

The Telecom Engineering Centre has been entrusted by DoT with the task to finalise M2M standards (oneM2M) standards as a National Standards. It may be noted that SESEI is a member of the TEC M2M working groups and is contributing towards finalization of IoT / M2M standards while promoting oneM2M standards. TEC is also under the process of finalizing its membership with ETSI.

Similarly the [National Policy on Electronics 2019](#) was released by the Ministry of Electronics and Information Technology (MEITY). This policy aims to position India as a global hub for Electronics System Design and Manufacturing (ESDM) and create an enabling environment for the industry to compete globally.

In the automotive sector, Niti Aayog (Indian Think Tank) is working on an Information Technology Enabled Services (ITeS) policy to introduce intelligent transport system in the country in the wake of increasing road fatalities. Niti Aayog is also working on many initiatives towards transportation where the idea is to have seamless, connected, shared, digitalized and zero-emission free mobility. The Government of India has also announced the 2<sup>nd</sup> phase of Faster Adoption and Manufacturing of (Hybrid



&) Electric Vehicles (FAME India) phase II which will be implemented in April 2019 total outlay of Rs 10,000 Crores (about €1.25 billion Euros) over the period of three years (i.e. from 2019-20 to 2021-22).

A proposal for setting up a national mission on transformative mobility and battery storage has also been approved. This mission will drive clean, connected, shared, sustainable and holistic mobility initiatives in the country. Apart from this, government has also approved creation of Phased Manufacturing Program (PMP) for 5 years till 2024 to support setting up of a few large-scale, export-competitive integrated batteries and cell-manufacturing Giga plants in India.

You will also find details of the various notifications issued by the Ministries concerning priority sectors. This document provides holistic overview of the policy and other important changes proposed. You are requested to read and further approach SESEI for any clarification or more information on required on the news/ update of your interest.

List of draft standards released by Indian Standards organizations during this quarter is also available as **Annexure-1** with this quarterly report. Detailed activity tracker including list of queries, events and meetings is submitted as "**Annexure -2** to this quarterly report.

We look forward to your comments, suggestions if any.

Happy reading!!!

**Dinesh Chand Sharma**  
**(Seconded European Standardization Expert in India)**  
**Director – Standards & Public Policy**



## 2. Key Meetings, Event Participation and Queries

SESEI expert during this quarter period (January – March 2019) carried out various important meeting, participated in many event, workshops and addressed various queries as summarized below.

Sr. No.	Description	Total Until now	In Last Quarter
1	External Meetings	309	17
2	Internal Meetings	137	13
3	Events/Seminar/Workshop/Roundtable	162	8
	<b>Total</b>	<b>608</b>	<b>38</b>
4	No of Queries	213	13

Detail of few key meetings and event/workshop participation is briefly summarized below which are essential to help achieving the objectives of the SESEI project. For detailed information on these key meetings, events/workshop participations and list of queries addressed, please refer Activity Tracker report submitted as “Annexure -2\_Activity Tracker Quarterly Report No 12” to this report.

### Key Meetings:

Following are the list of key meetings, SESEI expert addressed during the last quarter.

#### Generic (All Sector)

#### Meetings with BIS

- **Cooperation and best practices: Standardization strategy: SESEI expert and CCMC Project Manager** had a conference call with the IRD officials of BIS on the BIS & CEN CENELEC MoU and how to strengthen the ties between CCMC and BIS on International Cooperation and importantly to discuss and agree on the topics identified as an outcome to India Task Force.

#### Smart City:

- **Conference call of the Electronics & IT - LITD 28 committee** of the BIS on Active Assisted Living, to discuss and review the draft report on AAL paradigm. SESEI is promoting adoption of EN 301 549 in India.
- **Meeting with CDOT officer and Chairman of BIS Smart City** committee Chair to discuss the oneM2M Common Service Layer as a BIS Standard. SESEI expert is promoting oneM2M common service layer standard as part of smart infrastructure standards.

#### Meetings with DoT and other Government Bodies:

#### ICT:



- **TEC meeting on Green Telecom:** New DDG responsible for the subject of Green Telecom/Passport Program at TEC called on SESEI for a meeting. SESEI contributed towards the discussions and inputs on the Green Telecom by providing details on the work done in Europe on Green Telecom.
- **TEC Meeting for discussion on M2M/ IoT specifications of oneM2M as a National Standards**
- **1st meeting of the Committee on Accessibility Standards for IT hardware & software.** A committee was constituted by the Ministry of Electronics & IT (Meity) to discuss and create a roadmap for accessibility standards for IT hardware & software and adoption of EN 301549.

#### Meetings with EU delegates, EU project officers & officials from EU delegation in India:

##### **Generic: Cooperation:**

- **Meeting with officer from Eurovent Certita Certification President.** It is an European Body for Certification of Performance of HVAC Products, a strategic part of their Certification Programme is based on EN Norms. Their recognition in India was initiated by Bureau of Energy Efficiency. SESEI discussed and provided update on the Indian scenario on testing and certification and assured to work with them to align the EN Standards as part of BIS Standard on HVAC.
- **Meeting with Mr. Philip Grinsted, Advisor (Conformity Assessment & Accreditation),** Global Project Quality Infrastructure - India, GIZ. to discuss the priorities and activities of the year of GIZ Project on Quality Infrastructure and project SESEI to identify possible areas of mutual interest and potential synergies.
- **Meeting with Trade Counsellor of EU Delegation to India:** to discuss M2M+IoT forum, MTCTE framework of TEC & Security Workshop etc.
- **Meeting with BSI** to discuss status update around Cyber Security, Smart Cities, Consumer Protection, CITD Project and International Project, ITS & e-Mobility and Conformity assessment

#### Meetings with Industry & Associations:

##### **ICT:**

- **Meetings for the IoT India Congress 2019 preparation.** SESEI will be chairing the session on Standards, Legal & Regulatory at the IoT Congress 2019.
  - SESEI shot for the video message for the standards session
  - Held a conference call to discuss the session flow and the topics
  - Conference Call of IET IoT Panel Standards Legal and Regulatory WG. to discuss the Charter of Standards, Legal & Regulatory WG of IET IOT Panel
- **Meeting with Head Regulatory Telenor** to discuss Data Privacy Act, e-Commerce Policy in India
- **Meeting with Officer of m2m+iot forum** to discuss concept for the next m2m+iot forum to be held later in 2019. SESEI suggested reaching out to smart cities and smart village and show case the technology and real case scenarios.
- **EBG Telecom Sector Committee Meeting:** The Telecom Committee of European Business Group (EBG) held its first meeting for the year 2019





- **Conference call between ETSI & CDOT:** to discuss the proposed workshop and tutorial around oneM2M in collaboration with EU-INDIA ICT Project on Standards.

#### **Ropeways:**

- **Follow-up meeting on MCA ropeways organized by NITI Aayog.** A detailed document was prepared by SESEI on the gaps identified in the BIS standards vis a vis the CEN standards.

#### **Meetings with Project Partners:**

- **Various catch up calls with Project Manager, CEN CENELEC** to review the Project SESEI activities.
- **Conference call meeting with Chair Smart Energy Group (SEG)** to coordinate for making a presentation at the India Smart Utility Week on behalf of CEN CENELEC
- **SESEI project review meeting with DG CEN CENELEC**, during the meeting SESEI shared the achievements of SESEI 3
- **Meeting with SESEC assistant and Project Manager, CEN CENELEC** to discuss the SESEI newsletter formats and distribution methodology and how it could be strengthened further so that CEN CENELEC members are aware of Project Progress.
- **Steering Committee Meeting No. SC #9:** held on 19th February 2019 at CCMC office, Brussels
- **Meeting with Unit B3 (DG GROW) team members** along with officer from EC, DG Grow to share feedback/update from project SESEI
- **Meeting with CEN CLC Program Manager responsible for Automotive, Cable Ways:** to discuss the current state of Play on Standard around ITS and e-Mobility. SESEI also shared updates from India around ITS, e-Mobility: Charging Infrastructure and shared a presentation on it as given to BIS during their workshop around automotive
- **Meeting with CEN CLC Program Manager responsible for Digital Transformation & AI:** shared the latest status of 4 project identified as part of Strategy towards Digital transformation.
- **Meeting with CEN CLC Program Manager responsible for e-Accessibility:** to discuss the latest update on e-Accessibility and design for all. SESEI also shared update on EN 301 549 adoption status in India.
- **Meeting of CEN CLC Task Force India.** SESEI joined the meeting for the Task Force, India and is supporting its objective and scope in India with BIS.
- **Meeting with CEN CLC Program Manager responsible for Smart Cities, e-Accessibility, Cyber Security, Blockchain & AI** to take a download on latest status of work around standardisation in Europe

#### **Key Event Participations:**

##### **Generic:**

- Attended business Seminar organized by CII during the visit of Prime Minister of Norway & Norway delegation



## ICT and smart city:

- **IET IoT Congress Curtain Raise.** SESEI is responsible for the session on Standards, Legal & Regulatory at the IoT Congress 2019
- **India EU Stakeholders' Workshop on 5G Technology Landscape:** TSDSI, BIF and 5G Infrastructure Association (5GIA), with support from the EU Delegation to India and India-EU Partnership Project on ICT Cooperation, jointly organized a workshop ". SESEI was invited to present his views on the Session on "Current Status of 5G Standardization".
- **Conference on IoT Enabling Smart Infrastructure organized by TEC.** SESEI was invited as a distinguished speaker and shared a presentation on "**M2M/IoT standardization & its role in smart cities - Global standardization overview**".
- **6th edition of 'India m2m + iot Forum':** SESEI as the Chair of the India m2m + iot Forum gave welcome address.
- **27th Convergence & 3rd IoT-Embedded Tech India expo 2019:** SESEI expert was invited to Chair a session on the AI & IoT. SESEI moderated a session on " Demystifying the potential of Artificial Intelligence & IoT Day".

## Smart Energy & Grids

- **India Smart Utility Week 2019.** SESEI was invited as a speaker at the ISUW 2019 and made a presentation on behalf of the CEN CENELEC SEG

## Key Queries addressed:

### Generic:

- Addressed a query on trade-mark and identification mark on the product label: Barco NV
- Addressed a query regarding participation and contribution of European businesses/ companies towards the standards development activities in India and key areas to strengthen research cooperation between EU and India: European Commission
- Provided information on "Standardization ecosystem in India" and the role of Project SESEI: European Commission (EC)
- Provided information on "Standardization landscape for rail in India" to a report titled "EU Rail Supply Industry": CEN-CENELEC

### ICT:

- Provided information on ETSI Standards related to Energy Efficiency: TEC
- Query regarding cyber security laws & Policy in India: ETSI
- Addressed a query regarding Standard Development Organizations (SDOs) which are formulating IoT standards in India: BIS



**Electronics:**

- Shared a complete list of ETSI standards related to wireless microphones: Bureau of Indian Standards (BIS)

**Automotive:**

- Addressed a query regarding cooperation in standardisation with India in automotive sector: European Commission

### 3. Generic Update

#### 3.1 Government mandates BIS certification for import of electronics and IT goods

In order to curb the rising imports of cheap electronics items and to boost domestic manufacturing under Make in India (MII) program, India is tightening quality controls for electronics products. Directorate General of Foreign Trade (DGFT) has released a notification stating that the import of new electronics and IT goods without Bureau of Indian Standards (BIS) registration is now prohibited. Under the [Electronics and Information Technology \(IT\) Goods \(Requirement of Compulsory Registration\) order 2012](#), imports of these goods is allowed through the registration with the BIS or on specific exemption letter from the Ministry of electronics and IT (MeitY) for a particular consignment. Import consignment without BIS registration shall be re-exported by the importer.

[Read more/Download>>](#)

#### 3.2 Government unveiled Draft National E-commerce policy

Department for Promotion of Industry and Internal Trade (DPIIT) has released a draft National E-commerce Policy in February, 2019 for seeking stakeholders. The National e-Commerce Policy aims to create a framework for achieving holistic growth of the e-commerce sector along with existing policies of Make in India and Digital India. Inclusive growth of the sector will be important catalyst for achieving economic growth and other public policy objectives.

**Draft ecommerce policy has proposed:**

- Regulating cross-border data flows,
- Locating computing facilities within the country to ensure job creation and
- Setting up a dedicated data authority for issues related to sharing of community data.
- It asserted that the data generated in the country is a national asset and citizens and the government have a sovereign right over it.

**The draft addresses following six broad issues of the e-commerce ecosystem:**

- 1) Data,





- 2) Infrastructure development,
- 3) E-commerce marketplaces,
- 4) Regulatory issues,
- 5) Stimulating domestic digital economy and
- 6) Export promotion through e-commerce.

[Read more/download>>](#)

### 3.3 MNRE issued the list of BIS standards applicable for components of Solar PV applications

The Ministry of New and Renewable Energy (MNRE) has also issued the list of BIS standards applicable for components of solar PV applications. The list includes six products along with Indian Standard Number and the Title of Indian Standard.

The first product is Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based) having 'IS 14286' number and title 'Crystalline Silicon Terrestrial Photovoltaic (PV) modules – Design Qualification and Type Approval'. The second product is Thin Film Terrestrial Photovoltaic (PV) Modules (a-Si, CiGs and CdTe) having 'IS 16077' number and title 'Thin-Film Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval'.

The third product is PV Module ( Si wafer and Thin film) having 'IS/ IEC 61730 (Part 1)' 'IS/ IEC 61730 (Part 2)' numbers and titles 'Photovoltaic (PV) Module Safety Qualification Part 1 Requirements for Construction' and 'Photovoltaic (PV) Module Safety Qualification Part 2 Requirements for Testing' respectively.

The next product is Power converters for use in photovoltaic power system having 'IS 16221 (Part 1)' 'IS 16221 (Part 2)' Indian standard numbers and titles 'Safety of Power Converters for use in Photovoltaic Power Systems Part 1- General Requirements' and 'Safety of Power Converters for Use in Photovoltaic Power Systems Part 2- Particular Requirements for Inverters' respectively.

The fifth product in the list is Storage batteries having 'IS 16270' and 'IS 16046' numbers and titles 'Secondary Cells and Batteries for Solar Photovoltaic Application General Requirements and Methods of Test' and 'Standard for Lithium ion battery' respectively.

The last product of the list is LED Lights & Luminaires having 'IS 16101' 'IS 16102' 'IS 16103' and 'IS 16107' numbers and titles 'General Lighting - LEDs and LED modules – Terms and Definitions' 'Self-Ballasted LED Lamps for General Lighting Services' 'Led Modules for General Lighting' and Luminaires Performance respectively.

[Read more/Download>>](#)

### 3.4 Cabinet approves proposal to align with global trademark system

The Cabinet has approved the proposal for India's accession to:



- i. The Nice Agreement concerning the International classification of Goods and Services for the purposes of registration of marks,
- ii. The Vienna Agreement establishing an International Classification of the figurative elements of marks, and
- iii. The Locarno Agreement establishing an International classification for industrial designs.

The accession to Nice, Vienna and Locarno agreement will help the Intellectual Property offices to harmonize the classification systems for examination of trademark and design applications, in line with the classification systems followed globally. It will give an opportunity to include Indian designs, figurative elements and goods in the international classification systems.

[Read more>>](#)

### 3.5 BIS launches facility to view Indian Standards online

BIS launches facility to view Indian Standards online free of cost, which are listed in various Quality Control orders as mandatory. Please click [here](#) to view listed Indian Standards. [Read more](#)

### 3.6 Department of telecommunications (DoT) eases import norms for prototypes, testing equipment

Department of Telecommunication (DoT), Ministry of Communications (MoC) has issued a Memorandum easing import norms for prototype, sample products and test and measurement equipment in license-exempt bands without the need of 'equipment type approval (ETA)'.

Importers are required to get ETA certification from the Wireless Planning Commission (WPC) under the DoT for products such as Radio Broadcast Transmitter, TV Broadcast Transmitter and Communication Jamming equipment.

The DoT in September, 2018 had issued a memorandum stating that import of Smartphones with built-in Bluetooth and WiFi features will be freely importable under DGFT (Director General of Foreign Trade) rules.

In addition, the DoT also has enabled [ETA through self-certification](#) in its step forward for commercial/finished product imports under the above categories, simplifying regulatory regime while ensuring compliance as well as reducing transaction costs.

[Read more>>](#)

## 4 SMART CITIES

### 4.1 Government enhances allocation for smart cities by 7% for 2019-20



The government has allocated INR 6,600 crore (€825 million) for the Smart Cities Mission for 2019-20, which is about 7% more as compared to INR 6,169 crore (about €770 million) for 2018-19. Since the launch of the mission, a total of [5,151 projects](#) worth more than INR 2,000 billion (€25 billion) have been identified and are in various stages of implementation in 100 cities. Around 534 projects worth INR 10,116 crore (€1.25 billion) have been completed, implementation has commenced for 1,177 projects with a cost of INR 43,493 crore (about €5.5 billion) and tendering have started for 677 projects with a cost of INR 38,207 crore (€4.8 billion).

The progress with respect to the implementation of projects pertaining to smart solutions, smart roads, smart water, and solar rooftops is given below:

- For Smart Command & Control Centers, projects worth INR 1,558 crore (about €195 million) in 11 cities have been completed; projects worth INR 3,049 crore (over €380 million) in 29 cities are under progress; further tenders have been issued for projects worth INR 2,730 crore (over €340 million) in 21 cities.
- For Smart Roads, projects worth INR 228 crore (€28.5 million) in four cities have been completed; projects worth INR 3,819 crore (€477 million) in 34 cities are under progress. Further tenders have been issued for projects worth INR 2,069 crore (€259 million) in 10 cities.
- For Smart Water, projects worth INR 902 crore (around €113 million) in 18 cities have been completed; projects worth INR 5,961 crore (over €745 million) in 35 cities are under progress. Further tenders have been issued for projects worth INR 921 crore (€115 million) in 17 cities.
- For Solar, projects worth INR 58 crore (over €7 million) in eight cities have been completed; projects worth INR 828 crore (€103.5 million) in 42 cities are under progress. Further tenders have been issued for projects worth INR 300 crore (€37.5 million) in nine cities.

[Read more>>](#)

## 4.2 India seeks German investments in smart cities

India has sought investments from German companies in areas including smart cities and construction of airports to increase economic cooperation between the countries. India also expressed keenness to increase collaboration with Germany in areas such as smart cities, technology for green energy etc. Currently, 80 Indian companies operate in Germany.

[Read more>>](#)

## 5 Electrical Equipment including Consumer Electronics

### 5.1 Union Cabinet approved new National Electronics Policy (NEP) 2019

The Cabinet has approved [National Policy on Electronics 2019](#) in February 2019, which was proposed by Ministry of Electronics and Information Technology (MEITY) in 2018. The Policy aims to position India as a global hub for Electronics System Design and Manufacturing (ESDM) by encouraging and driving



capabilities in the country for developing core components, including chipsets, and creating an enabling environment for the industry to compete globally. NEP 2019 replaces NEP 2012.

**Silent features of NEP 2019:**

- Creation of ecosystem for globally competitive ESDM sector by incentivizing domestic manufacturing and export in the entire ESDM value-chain.
- Promotion of standards development framework for developing standards based on global benchmarks.
- Improve ease-of-doing-business by streamlining the processes for ESDM enterprises in the country
- Promotion of Industry-led R&D and innovation in all sub-sectors of electronics, including grass root level innovations and early stage Startups in emerging technology areas such as 5G, Internet of Things (IoT)/ Sensors, Artificial Intelligence (AI), Machine Learning, Additive Manufacturing/Industry 4.0 etc.
- Providing incentives and support for significantly enhancing availability of skilled manpower, including re-skilling.
- Empowering Indian ESDM exporters, by facilitating global market access
- Formulation of suitable schemes and incentive mechanisms to encourage new units and expansion of existing units.
- Promotion of trusted electronics value chain initiatives to improve national cyber security profile.
- Promote the use of Secure Chips and Systems to reduce Cyber Security risks.
- Providing special package of incentives for mega projects which are extremely high-tech and entail huge investments, such as semiconductor facilities display fabrication, etc.
- Encouraging the State Governments to adopt the Public Procurement (Preference to Make in India) Order 2017 (PPO 2017), in procurement of electronic goods.
- Providing special thrust on Fabless Chip Design Industry, Medical Electronic Devices Industry, Automotive Electronics Industry and Power Electronics for Mobility and Strategic Electronics Industry.
- Creation of Sovereign Patent Fund (SPF) to promote the development and acquisition of Intellectual Properties (IPs) in ESDM sector.

The NPE 2019 will lead to formulation of several schemes, initiatives, and projects in consultation with the concerned Ministries and Departments for the development of ESDM sector in the country.

[Read more/download>>](#)

## 5.2 Sectorial report on Electrical Equipment including Consumer Electronics in India

SESEI drafted and released a sectorial report on Indian Electrical Equipment including Consumer Electronics sector covering sector profile, Industry trends & projections, key market players, new government policies and initiatives and standardization work.

For report please [click here>>](#)

For presentation please [click here>>](#)



### 5.3 Cabinet approves Measures to promote Hydro Power Sector

In order to boost hydro power generation, Government of India has approved a slew of measures including declaration of Large Hydropower Projects (HPO) as part of non-solar Renewable Purchase Obligation (RPO).

Earlier, hydro projects less than 25MW capacity were considered as renewables and were eligible for various incentives like financial assistance and cheaper credit. Now, with this decision, hydro projects above 25MW capacity will also be eligible for the benefits.

India is endowed with large hydropower potential of 1,45,320 MW of which only about 45,400 MW has been utilized so far. Only about 10,000 MW of hydropower has been added in the last 10 years. The hydropower sector is currently going through a challenging phase and the share of hydropower in the total capacity has declined from 50.36% in the 1960s to around 13% in 2018-19.

As most of the hydro power potential is located in the higher reaches of Himalayas and North- East Region, it will result in overall socio-economic development of the region by providing direct employment in the power sector. It will also provide indirect employment/ entrepreneurial opportunities in the field of transportation, tourism and other small scale businesses. Another benefit would be of having a stable grid considering 160 GW capacity addition by 2022 from infirm sources of power like solar and wind.

[Read more>>](#)

### 5.4 Office Memorandums (OMs)/Notifications issued by Ministry of Power (MoP) and Ministry of New and Renewable Energy (MNRE)

- Guidelines for Procurement of aggregated Power of 2500 MW under Pilot Scheme-II for three years (covered under Medium Term). [Download>>](#)
- Notification for Quality Control Order on SPV Goods 2017. [Download>>](#)
- Office Memorandum (OM) on "Implementation of approved Models & Manufacturers of Solar PV Modules (Requirements for Compulsory Registration) Order, 2019". [Download>>](#)
- Guidelines for the tariff-based competitive bidding process for procurement & Power from grid-connected solar PV power projects. [Download>>](#)
- Modifications in Scheme for "Development of Solar Parks and Ultra Mega Solar Park Scheme. [Download>>](#)
- Guidelines for enlistment under 'Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019. [Download>>](#)
- Quality Control Order on Solar Thermal Systems/ Devices/Components Goods. [Download>>](#)





## 6 Automotive

### 6.1 Government approved scheme for FAME India phase II

Government of India has approved the proposal of implementation of scheme titled “Faster Adoption and Manufacturing of Electric Vehicle in India phase II (FAME India Phase II) for promotion of Electric Vehicle (EV) in the country. The scheme with total outlay of Rs. 10,000 Crores (about €1.25 billion) over the period of three years (i.e. from 2019-20 to 2021-22) will be implemented with effect from 1st April 2019. This scheme is the expanded version of the present scheme titled 'FAME India I' which was launched on 1st April 2015 for a period of 2 years and later has been extended for time to time up to 31<sup>st</sup> March 2019 and with an enhancement of outlay from Rs. 795 crore (about €100 million) of Rs. 895 crores (about €112 million).

Through this scheme, the emphasis is on electrification of public transportation that includes shared transport. Demand Incentives on operational expenditure mode for electric buses will be delivered through State/city transport corporation (STUs).

In 3W and 4W segment incentives will be applicable mainly to vehicles used for public transport or registered for commercial purposes. In the e-2Ws segment, the focus will be on the private vehicles.

The scheme proposes for establishment of charging infrastructure, whereby about 2700 charging stations will be established in metros, other million plus cities, smart cities and cities of Hilly states across the country so that there will be availability of at least one charging station in a grid of 3 km x 3 km. [Read more/Download>>](#)

### 6.2 National Mission on Transformative Mobility and Storage

Government has approved the proposal for setting up a national mission on transformative mobility and battery storage, to drive clean, connected, shared, sustainable and holistic mobility initiatives in the country.

Apart from this, government has also approved creation of Phased Manufacturing Program (PMP) for 5 years till 2024 to support setting up of a few large-scale, export-competitive integrated batteries and cell-manufacturing Giga plants in India.

#### **Mandate of the mission:**

- The National Mission on Transformative Mobility and Storage will recommend and drive the strategies for transformative mobility and Phased Manufacturing Programmes for EVs, EV Components and Batteries.
- A Phased Manufacturing Program (PMP) will be launched to localize production across the entire EV value chain. The National Mission on Transformative Mobility and Battery Storage will determine the contours of PMP, and will finalise the details of such a program.
- The details of the value addition that can be achieved with each phase of localisation will be finalised by the Mission with a clear Make in India strategy for the electric vehicle components as well as battery.



- The Mission will coordinate with key stakeholders in Ministries/ Departments and the states to integrate various initiatives to transform mobility in India.

[Read more>>](#)

### 6.3 Government notifies phased import duty hike on electric PV parts, lithium-ion cells

In order to promote indigenous manufacturing of Electric Vehicle (EV), Government of India has notified phased increase in basic custom duty on electric passenger vehicle to be assembled in India to 15% from April 2020 and 10% on imported lithium-ion cells by April 2021.

The notification is the part of the road map under the phased manufacturing programme (PMP), and also entails doubling the basic custom duty on completely built units of electric buses and trucks to 50% from April 2020. Currently, the basic import duty on completely knock-down kits used in electric buses, passenger EVs, electric two-wheelers (2W), three-wheelers (3W) and electric trucks is 10%, which will be raised to 15% from April 2020.

The basic custom duty on lithium-ion cells used in manufacturing of lithium-ion accumulator of EVs will be increased to 10% from current 5% from April 2021. The basic custom duty on battery packs used in manufacturing EVs will be raised to 15% from April 2021. Basic customs duty on parts used in manufacturing EVs like AC or DC charger, motor and motor controller; power control unit, among others, will also be increased to 15% from nil at present starting from April 2021.

[Read more>>](#)

### 6.4 NITI Aayog floats model PPP concession agreement for electric buses

The government's think-tank NITI Aayog (National Institution for Transforming India) has unveiled a Model Concession Agreement (MCA) for introducing electric buses for public transportation on PPP mode on operational expenditure (per km basis) model. The Aayog stated that the model document has been developed based on international best practices to provide cleaner, more efficient, and affordable public transportation.

Under this model, the concessionaire will be required to incur the necessary capital expenditure (CAPEX) for the procurement of electric buses, and operation and maintenance infrastructure and the authority will incur operational expenditure on per kilometer basis.

The model PPP concession agreement will be helping in developing city-specific concessions for introduction of electric buses in cities, enabling the government's plan to push zero emission vehicles and achieve significant electrification of vehicles by 2030.

[Read more/download>>](#)



## 6.5 Guidelines/Notifications: Government of India

- Operational Guidelines for Delivery of Demand Incentive under FAME India Scheme: Phase – II. [Read more>>](#)
- Notification for FAME India Scheme Phase II [Read more>>](#)
- Constitution of inter-ministerial panel for monitoring, sanctioning of projects under FAME II, aimed at incentivizing clean mobility. [Read more>>](#)
- Notification no. G.S.R 1229(E) regarding Braking requirement and electronic stability control. [Read more>>](#)
- Notification no. G.S.R 1225(E) regarding seat dimensions, lamps for three wheelers and reverse parking system for M & N Category vehicles. [Read more>>](#)
- Notification no. G.S.R 173(E) regarding Braking System and Anti-lock Braking System. [Read more>>](#)
- Notification no. S.O 1018(E) regarding Motor Vehicles (High Security Registration Plates) Order, 2018. [Read more>>](#)
- Notification no. G.S.R. 167(E) regarding Retro-fitment of hybrid electric system or electric kit to Motor Vehicles. [Read more>>](#)
- Notification no. G.S.R 174(E) regarding Common Format for the Driving Licence and the Certificate of Registration. [Read more>>](#)

## 7 ICT

### 7.1 Cabinet approved National policy on Software Product

The Union Cabinet has approved the [National Policy on Software Products 2019](#) to develop India as the global Software Product hub.

The Software product ecosystem is characterized by innovations, Intellectual Property (IP) creation and large value addition increase in productivity, which has the potential to significantly boost revenues and exports in the sector, create substantive employment and entrepreneurial opportunities in emerging technologies and leverage opportunities available under the Digital India Programme, thus, leading to a boost in inclusive and sustainable growth.

#### Missions:

The Policy has the following five Missions:

- a. To promote the creation of a sustainable Indian software product industry, driven by intellectual property (IP), leading to a ten-fold increase in share of the Global Software product market by 2025.
- b. To nurture 10,000 technology startups in software product industry, including 1000 such technology startups in Tier-II and Tier-III towns & cities and generating direct and in-direct employment for 3.5 million people by 2025.



- c. To create a talent pool for software product industry through (i) up-skilling of 1,000,000 IT professionals, (ii) motivating 100,000 school and college students and (iii) specialize 10,000 professionals that can provide leadership.
- d. To build a cluster-based innovation driven ecosystem by developing 20 sectoral and strategically located software product development clusters having integrated ICT infrastructure, marketing, incubation, R&D/test beds and mentoring support.
- e. In order to evolve and monitor schemes & programmes for the implementation of this policy, National Software Products Mission (NSPM) will be set up with participation from Government, Academia and Industry.

The Policy will be implemented by Ministry of Electronics and Information Technology (MeitY) through initiation of appropriate programmes & schemes, as per recommendation of NSPM, in which MeitY's organizations, such as, Software Technology Parks of India (STPI) shall play a lead role besides Centre for Development of Advanced Computing (C-DAC), National Informatics Centre (NIC), Industry/ Industry bodies and Institutes of Higher Education & Research.

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## 7.2 Department of Telecommunications (DoT) asks TEC to finalize IoT, M2M standards

Telecom Engineering Centre (TEC) has been asked to finalize standards for IoT/M2M as the country aspires to roll out 5G services at par with the rest of the world. The TEC under the department is preparing finalizing standards for telecom equipment and devices for 5G services. The roadmap for M2M communications was released in May 2015 but the centre is yet to finalize generic requirement for the segment.

So far, TEC has released [Twelve Technical Reports \(TRs\)](#) in the last three years.

[Read more>>](#)

## 7.3 Department of Telecommunications (DoT) defers deadline for testing and certification of telecom equipment again

The Department of Telecommunications (DoT) has once again pushed back the deadline to begin domestic testing and certification of telecom equipment and mobile phones to August 1, 2019, concerning on the lack of adequate testing infrastructure in the country. According to a [previous order](#) in September 2018, April 1, 2019, was fixed as the deadline for certification of mobile base stations, routers, internet of things devices and other network gears.

[The Indian Telegraph \(Amendment\) Rules, 2017](#), mandate testing & certification of every telecom equipment in order to ensure public safety. The final detailed procedure for Mandatory Testing and Certification of Telecom Equipments (MTCTE) under these rules has been notified separately. The



testing is to be carried out for conformance to [Essential Requirements](#) for the equipment, by Indian Accredited [Labs designated by TEC](#) and based upon their test reports, certificate shall be issued by TEC. TEC has eight labs in the country and so far, It has certified only 35 private labs across Delhi, Bengaluru, Gurugram, Chennai, among other cities, to carry out testing and certification—11 of them in the last six months itself.

[Read more>>](#)

## 7.4 Sectorial report on Indian ICT sector

SESEI Project office drafted and released a sectorial report on Indian ICT Sector covering the most important & significant IT and telecommunications sector profile, Industry trends & projections, key market players, new government policies and initiatives. => [Report & Presentation](#)

## 7.5 Reports/white-papers/Recommendations and Consultation Papers by TRAI

- Annual Report for the Year 2017-18 [Read more/download](#)
- White paper on 'Enabling 5G in India' stating that 5G network is expected to be deployed in India along with the rest of the world by 2020. [Read more/Download](#)
- Recommendations on Methodology for levy of Spectrum Charges for provision of Satellite based Services using Gateway installed in India under 'sui-generis' category. [Read more/Download](#)
- Consultation Paper on Review of Television Audience Measurement and Ratings in India. [Read more/Download>>](#)
- Consultation Paper on Review of Per Port Transaction Charge and Other Related Charges for Mobile Number Portability. [Read more/Download](#)

## 8 Planned Activities for Next Quarters

- Monthly Activity Tracker, Draft Standards under WC, Bi-Weekly News/Policy
- Preparation for the Steering Committee SC# 10
- Finalisation of Final Report.
- Continue working on priority topics of **ICT - 5G, M2M/IoT, Electrical Equipment incl. Consumer Electronics - CRO/CRS and Smart Energy, Smart Cities, Automotive - ITS, eMobility, & any other new areas such as Ropeways, Circular Economy etc.**
- Follow-up and closure of CEN CENELEC & ETSI MoU with BIS
- Closure and signing of the COAI-ETSI MoU
- Participation in the important conferences and events.
- Closure of Regulatory and financial compliances for the Project SESEI





## 9 Glossary

Sr. No.	Acronym	Expansion
1	SESEI	Seconded European Standardization Expert for India
2	DIPP	Department of Industrial Policy and Promotion
3	MNRE	Ministry of new and renewable energy
4	BIS	Bureau of Indian Standards
5	EU	European Union
6	MoP	Ministry of Power
7	DISCOMs	Distribution Companies
8	EESL	Energy Efficiency Services Limited
9	ICT	Information and Communication Technology
10	5G	Fifth Generation
11	IRD	International Relations Department
12	LITDC	Electronics and Information Technology Division Council
13	IEC	International Electro-Technical Committee
14	HLF	High Level Forum
15	CEN	European Committee for Standardization
16	CENELEC	European Committee for Electro-technical Standardization
17	BIF	Broadband India Forum
18	IoT	Internet of Things
19	M2M	Machine to Machine
20	MCA	Model Concession Agreement
21	EVs	Electric Vehicles
22	ITS	Intelligent Transport System
23	IEEE	Institute of Electrical and Electronics Engineers
24	DIN	German Institute for Standardization
25	COAI	Cellular Operators Association of India
26	ICRIER	Indian Council for Research on International Economic Relations
27	ETSI	European Telecommunications Standards Institute
28	FICCI	Federation of Indian Chambers of Commerce and Industry
29	ITU	International Telecommunication Union
30	SESEC	Seconded European Standardization Expert for China
31	AAL	Active Assisted Living
32	TRAI	Telecom Regulatory Authority of India
33	MEITY	Ministry of Electronics and Information Technology
34	MAIT	Manufacturers' Association for Information Technology
35	GST	Goods and Services Tax

36	WTO	World Trade Organization
37	CITIIS	City Investments to Innovate, Integrate and Sustain
38	NIUA	National Institute for Urban Affairs
39	ISA	International Solar Alliance
40	CRS	Compulsory Registration Scheme
41	ADB	Asian Development Bank
42	OMs	Office Memorandums
43	PCS	Public Charging Stations
44	FAME	Faster Adoption and Manufacturing of (Hybrid) and Electric Vehicles
45	BEREC	Body of European Regulators for Electronic Communications
46	DoT	Department of Telecommunications