

Quarterly Report No. 11

Standards, Policy and Regulation

(‘October – December ’2018)

January 2019

SESEI 3 – Dinesh Chand Sharma

1.	<i>Executive Summary</i>	1
2.	<i>Key Meetings, Event Participation and Queries</i>	3
3.	<i>Generic Update</i>	9
3.1	<i>Government waives import duty on 35 capital goods to boost mobile phone manufacturing</i> .9	
3.2	<i>MNRE tells lenders to favour BIS-compliant solar Projects</i>	10
3.3	<i>Department of Industrial Policy and Promotion (DIPP) floats draft patent 2018</i>	10
3.4	<i>DIPP wants strict compliance on procurement of local products</i>	11
3.5	<i>Policy space in ecommerce: India to WTO</i>	11
4	<i>SMART CITIES</i>	11
4.1	<i>50 smart cities integrated command and control centres to be ready by 2019</i>	11
4.2	<i>Smart City's CITIIS prog strong platform for India, France to achieve their shared vision</i>	12
4.3	<i>German Leg-up for Smart City Project</i>	12
4.4	<i>Status Report on Smart City Mission India – by EU Project SESEI</i>	12
5	<i>Electrical Equipment including Consumer Electronics</i>	12
5.1	<i>Cabinet approves moving a Resolution in the first Assembly of the International Solar Alliance (ISA) for amending the Framework Agreement</i>	12
5.2	<i>BIS approves TUV Rheinland’s solar equipment test lab in Bangalore</i>	13
5.3	<i>Smart electricity meters in rural India a win-win: Asian Development Bank (ADB)</i>	13
5.4	<i>Office Memorandums (OMs)/Notifications issued by Government of India</i>	13
6	<i>Automotive</i>	13
6.1	<i>Ministry of Power (MoP) released guidelines and standard for charging infrastructure for Electric Vehicle (EV)</i>	13
6.2	<i>Draft Electric Vehicle Policy 2018 from State Govt. of National Capital Delhi</i>	14
6.3	<i>Government Extends Duration of FAME I Program for EV’s again</i>	14
6.4	<i>NTPC Signs MoU with Seven Electric Vehicle Aggregators</i>	15
6.5	<i>Report on Indian Automobile Industry – by EU Project SESEI</i>	15
6.6	<i>Office Memorandums (OMs)/Notifications: Government of India</i>	15
7	<i>ICT</i>	16
7.1	<i>Govt Frees a Set of Spectrum for WiFi, 5G in 5 GHz Band</i>	16
7.2	<i>Data & cyber security may come under TRAI, Telecom Commission</i>	16
7.3	<i>Govt starts facility for security testing of telecom product</i>	16
7.4	<i>India-EU cooperating on data privacy, data protection issues: BEREC</i>	17
7.5	<i>Policy, Recommendations and Consultation Papers by TRAI & DoT</i>	17
8	<i>Planned Activities for Next Quarters</i>	17
9	<i>Glossary</i>	18

1. Executive Summary

We would like to take this opportunity to wish you all a very happy and prosperous 2019!

We are pleased to present the 11th quarterly report for the period of October, November and December 2018, providing updates related to policies, regulations, legislations and new standards concerning the SESEI priority sector.

During this quarter, and as part of the “Make in India”, strategy, Indian government is ensuring many new policies and schemes to encourage sale and manufacturing of indigenous goods as well curb on the import of goods. To this effect the Department of Industrial Policy and Promotion (DIPP) wants strict compliance for public procurement. Government has also waived import duty on 35 capital goods to boost mobile phone manufacturing. Similarly, Ministry of new and renewable energy (MNRE) has also asked the solar panel manufacturers to comply with BIS standards.

We also have updates on the Public procurement orders issues for Telecom and Electronic goods. The Public procurement policy has mandated giving preference to locally produced products and services in all public procurement where intellectual property rights are owned by companies or start-ups incorporated in India. The Draft E-Commerce policy also makes a strong case for championing ‘Indian’ online enterprise and may have major implications for foreign-owned ecommerce majors operating in India. It prioritizes e-commerce brands which have already been set up in India and has clauses that discourage the free inflow of foreign capital in e-commerce. This could end up complicating things for the entire Indian e-commerce ecosystem, including consumers.

The Government of India’s star project 100 Smart cities is slowly progressing and it is likely that by mid of 2019, 50 smart cities integrated command centres will be ready. India is also receiving technical and financial support from EU. Recently German Ambassador to India Dr Martin Ney launched the Smart City Innovation Lab, the intellectual platform for technology sharing. Fraunhofer Institute has been providing technical, financial and social support to smart cities across the globe through project details preparation and studies.

In the automotive sector creation of an effective ecosystem for the Electrical Vehicles is of paramount priority to the Government and in this regard all necessary policy and regulatory steps are being taken. The Ministry of Power (MoP) has announced guidelines and standards for the development of electric vehicle charging infrastructure in India. Through these guidelines, the government aims to enable faster adoption of EVs, promote an affordable tariff rate, and support the development of EV charging business throughout the country. The highlight of the guidelines being that Private charging stations will be permitted at residences, and distribution companies (DISCOMs) are to facilitate the same. The draft Electrical vehicle policy has also been prepared and released for the national Capital Delhi, which aims to ensure adoption of 25% e-vehicles among new registrations by 2023.

In Electronical/Electronics Sectors, Smart energy and deployment of smart metes have been the main agenda for the Govt. EESL (Energy Efficiency Services Limited) is gearing up and initiating many pilots for Smart Meters especially in rural areas. The national energy policy is being drafted by the Niti Aayog



(think tank of the govt.) and it shall lay down the road map for the country's push towards renewable energy and reducing fuel imports.

In the ICT sector, the current thrust of the government is towards introduction of 5G services in the country. The government expects to complete formalities for 5G spectrum auction by August 2019 and the services are expected to be rolled out by 2020. The government has also freed a set of spectrum in the 5Ghz band from licensing for providing Wi-fi and partially 5G services by telecom companies.

This quarter SESEI also released sectorial special reports on Automotive which includes details on ITS and E-mobility as well as Status report on Smart City Mission in India. These reports provide comprehensive details about market dynamics, policy & regulatory initiatives and standardization efforts taken up by the Govt. of India in these sectors.

In this report, you will also find details of the various notifications issued by the Ministries concerning project priority sectors. As always, we have also provided details of the important meetings attended, queries addressed, and events participated by SESEI expert.

Report also include list of draft standards released by Indian Standards organizations during this quarter as an **Annexure-1** and detailed activity tracker including list of queries, events and meetings as an **"Annexure -2.**

With this, I would like to invite all of you to go through this quarterly report and provide us with your valuable comments and 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 (October 2018 – December 2018) carried out various important meeting, participated in many important events/workshops and addressed various queries as summarized below.

Sr. No.	Description	Total Until now	In Last Quarter
1	External Meetings	292	26
2	Internal Meetings	124	17
3	Events/Seminar/Workshop/Roundtable	154	16
	Total	570	59
4	No of Queries	200	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 11” to this report.

Key Meetings:

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

Meetings with BIS

Cooperation and Exchange of best practices:

- **Meeting with Head of International Relations Department, BIS:** SESEI met with Head International Relations Department (IRD), BIS to discuss bilateral meeting between BIS Mgmt. and CCMC.

Smart City:

- **7th meeting of 'Smart Infrastructure Sectional Committee', Electronics & IT Divisional Council - LITD 28:** To discuss, status updates of all the working groups, Panels and Study groups under LITD 28. And to also discuss the proposed agenda items of 4th Plenary and working group meetings of IEC SyC Smart Cities scheduled to be held in Varanasi during 10-14 Dec 2018 and framing of national view point.
- **Conference call & Meetings of the BIS organizing Committee for International Conference on Smart Cities Standardization:** Organizing committee for International Conference on Smart Cities Standardization organized several meetings to discuss and fine tune the preparations for the "BIS-IEC International Conference on Smart City Standardization". SESEI being a member of the LITD 28 participated in most meetings.



National Standardization Strategy:

- **Meeting with PwC on BIS awarded study:** Mr. Arvind Gupta, Ms. Pragya Shree from PwC asked for a meeting with SESEI expert to seek input on PwC conducted study awarded by BIS to determine the Gaps and Challenges of BIS including its implementation plans.

Meetings with DoT and other Government Bodies:

ICT:

- **The first meeting of the Hi Level Forum for 5G Committee on Education and Awareness:** Constitution of Committee for Action on HLF Report on Making India 5G Ready- Action plan on Education and awareness promotion for 5G India 2020

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

Generic: Industry Issues, Project SESEI and Standardization:

- **Meeting with Mr. Vainio Otto, Advisor Business Finland:** SESEI along with EBG members engaged with Mr. Vainio Otto, Advisor Business Finland to discuss ongoing Industry Issues and dynamics of the current Indian market.
- **Meeting with Mr. Benoit Sauveroche, First Counsellor, EU Delegation to India:** SESEI requested a meeting with Mr. Benoit Sauveroche, First Counsellor at EU Delegation to India to discuss Project SESEI, its scope and ongoing activities.
- **A conference call meeting with Mr. Wim De Kesel, VP, Policy CEN& CENELEC and Mr. Vimal Mohindru, IEC Ambassador:** to discuss issues and challenges concerning India especially from the Standards / harmonization of standards perspective in the Electrical Sectors. During the call following items were presented and discussed:
 - Introduction to CENELEC and its current activities in India
 - Mandate of the CEN-CENELEC TF-India, its plans and proposals
 - How CENELEC [Project SESEI] may be able to support the industry in key topics, e.g. installation rules, IoT, Energy Efficiency, Energy Access [LVDC]....
 - Fighting the menace of fake, spurious and inferior quality indigenous production and imports; any suggestions, plans.
 - Open discussion on ideas to collaborate and synergize
- **Meeting with Croatian Standards Institute (HZN)'s officials:** SESEI held a meeting with Mr. Branko Burazer, Head of Electrotechnical, Telecommunications and Information Technology



Standardization Sub department and Stanka Miljković , Head of International cooperation & PR and Director at Croatian Standards Institute – HZN.

Meetings with Industry & Associations:

ICT:

- **Meeting with Broadband India Forum (BIF):** Broadband India Forum (BIF) Hi-Level Committee on ICT for Inclusive ability held its meeting to discuss progress/update on white paper and round-table event, further contributions and finalization of White Paper, SESEI provided its latest input to the white paper drafted by FICCI committee.
- **Meeting with Mr. Jothishkumar Thekkoote, Director Opentrends Technologies Pvt Ltd:** Mr. Jothishkumar requested a meeting with SESEI expert to seek information on the Indian market and to get connected with right stakeholders in India around the subject of IoT/M2M.
- **Meeting with Mr. Pankaj Sharma, Head of Telenor** to discuss Data Privacy Act & TRAI Recommendations on Data Privacy.
- **Meetings of Indian M2M+IoT Forum - SESEI is the Chairman of the Advisory Committee**
 - Meetings to discuss the agenda and programme for India M2M+IoT forum 2019 and
 - Discuss the program schedule for India Smart City and Village Forum 2019.

Ropeways:

- **Meeting with M/s Doppelmayr officials:** SESEI held a meeting with officials from Doppelmayr to discuss and synergise thoughts for the meeting on Ropeways MCA and CEN Standards with Niti Aayog. Meeting at Niti Aayog was to discuss whether to mention the BIS Standards or CEN Standards as part of MCA (Model Concession Agreement – An instrument for PPP) and analyse the gaps between CEN and BIS Standards.
- **Follow-up Meeting on MCA Ropeways:** NITI Aayog organized a follow-up meeting onto discuss and suitably address the key open issues pertaining to Draft Model Concession Agreement (MCA) for Ropeways especially BIS v/s CEN Standards. The meeting was held under the Chairmanship of Member Dr. V.K. Saraswat NITI Aayog.

Meetings with Project Partners:

- **Project coordination calls with Ms Briard Ines, CCMC** to review the Project SESEI activities and decide way forward on pending activities.
- **2nd meeting of the Task Force India (CCMC):** The main agenda of the meeting were to discuss the - Revised Terms of Reference of Task Force India - Presentation from SARSO on their system and explaining how they work with BIS and future Roadmap & Action Plan 2019.



- **Meeting with Ms. Alina, Program Manager responsible for Services Standardization at CEN CENELEC Management center:** Meeting was organized to know more about the Service Standardization at CEN CENELEC. SESEI expert shared the details around the 12 Champion Sectors identified in India and Ms. Alina updated SESEI expert with activities happening in EU around this subject around eHealth - Monitoring Devices, Legal & Finance, Transport & logistics, Media, Wholesale in Trade/Supermarket, Salon, Fintech, and Gambling etc. including Challenges.
- **Meeting with Claire Dalier Program Manager at CCMC and responsible for Accessibility:** Meeting was held to discuss the latest on e-Accessibility as it is a topic of importance for India in view of ongoing activities around it including possible adoption of EN 301 549.
- **Meeting with Constant Kohler, Program Manager for ICT at CCMC:** Meeting was carried out to discuss e-Accessibility (EN 301 549), latest status of it, changes in the latest revision and appraise him about its adoption status in India.
- **Meeting with Mr. Pavel Prokes from European Commission on smart manufacturing:** Meeting was held to understand the latest status on Smart Manufacturing Policy Prospective in Europe.
- **Meeting with Mr. Legrand Thierry, Program Manager (Ropeways, e-Mobility & ITS):** Meeting was held to understand the latest status on the CEN standards for the E - Mobility and Ropeways.
- **Meeting with Ms Ivone Kaizeler from European Commission:** Meeting was held to understand the work being carried out in EU on E-Mobility.
- **Meeting with Ms Rositsa GEORGIEVA from DG Connect, European Commission:** Meeting was held to understand latest on Smart Manufacturing (Digitizing European Industry)
- **Meeting with Ms. Catherine Mercedes, Program Manager at CEN CENELEC:** Meeting was held on Smart Energy Standards latest update.
- **Meeting with Ms. Paulina Gbur of DG GROW, European Commission:** Meeting was held to understand the latest on Services Standardization related activities.

Key Event Participations:

Generic (All Sectors):

- **2nd International Conference on Entrepreneurship, Innovation and Leadership (ICEIL'18):** SESEI presented views on the " Role of Standards in Economic Development". This conference was organized by Amity University in association with Ministry of Micro, Small and Medium Enterprises.
- **Seminar on “Revitalizing India – EU Economic Partnership”:** The Confederation of Indian Industry organized a seminar on “Revitalizing India – EU Economic Partnership”. SESEI attended the seminar to network, share Project SESEI and understand the partnership project status including FTA.



- **Indo-German Working Group on Quality Infrastructure conference** organized on the theme of a) Quality Connects: Perspectives on Economic Cooperation between India and Germany b) Making Safe Machines a Standard Insights from Germany and India organized by GIZ.
- **10-10 Webinar - Foreign participation in European standardization work".** Organized by CEN CENELEC: A webinar organized by CEN CENELEC to demonstrate how the tools developed by them facilitate use of European Standards by partners outside of Europe and give them a head start insight of the European Market. SESEI attended the webinar as it was relevant for the Project SESEI scope and work.

ICT and smart city:

- **AI & IoT India 2018 International Conference:** SESEI was a keynote speaker at the conference organized by Bharat Exhibitions and shared EU work on standards & policy around the conference topic of AI & IoT.
- **BIS in partnership with IEEE hosted a seminar on the theme of Industry 4.0** to commemorate World Standards Day on 15th November 2018. SESEI had contributed EU initiatives on this subject towards their report on Smart Manufacturing, which was released during the seminar.
- **GSMA's Mobile Meeting Series (MMS) on Privacy & Data Protection** at GSMA Office. SESEI attended the meeting to understand the GSMA views of EU GDPR and share Indian initiatives through its Data Protection Act under formulation and its implementation.
- **IET - IoT Congress 2018, Bengaluru:** SESEI is chairing a WG on Standards, Legal and Regulatory and contribute EU work around standards and policy through a White Paper. [White paper was released](#) during the congress and a dedicated session was held on M2M/IOT Standards.
- **India Mobile World Congress 2018** organized by COAI: SESEI attended the congress inaugural session and the sessions in which Hon'ble Andrus Ansip, European Commissioner for Digital Single Market and Vice President, European Commission participated and raised EU concern around Data Privacy, Security Testing etc.
- **ETSI Conference on "Boosting ICT Business and Innovation: A Comprehensive Approach to Standardization Education in Europe":** ETSI organized this unique event to deliver an overview of current practice in standardization education, and work done by ETSI in this field. SESEI attended the conference as it is a topic of relevance in India and SESEI expert is driving it "Education About Standardization".
- **Conference on Digital Infrastructure for Transforming India** as organized by Broadband India Forum and Asian Development Bank Institute, along with Indian Council for Research on International Economic Relations (ICRIER). SESEI attended the conference to take an update on Digital Infrastructure policy and standardization initiatives in India.



- **Workshop to discuss White Paper on Inclusion of People with Disabilities through Information and Communication Technology:** FICCI organized a small workshop to discuss the White Paper on Inclusion of People with Disabilities through Information and Communication Technology. SESEI expert attended the conference along with Broadband India forum members (SESEI through them contributed to the white paper) and shared the latest status on EN 301 549 adoption in India.

Smart city:

- **BIS-IEC International Conference on Smart Cities Standardization:** The Fourth Plenary meeting of the IEC Smart Cities Systems Committee, along with BIS and other International Standardization and Smart Cities Experts, was held from 9th to the 14th December 2018, in Varanasi, India. SESEI attended a session as panelist on "Harmonization Challenges and way forward for Smart Cities & SDOs" and shared update on EU initiatives around the session themes including Project SESEI scope and deliverables.
- **ITU CoE training program on "IoT Technologies and Applications for Smart Cities"** at the Advanced Level Telecom Training centre (ALTTC), of BSNL at Ghaziabad. SESEI gave lecture on "IOT and Smart City Standards and Policies: Global Prospective".

Intelligent Transport / Automotive:

- **MoU Signing Ceremony between WAPCOS and Doppel Mayr:** SESEI attended the ceremony as involved in Ropeways standards adoption/update activities in India and supporting EU industry on it.
- **Curtain raiser on 'Intelligent Transport Systems' by Bureau of Indian Standards:** The Transport Engineering Department of BIS organized the Curtain Raiser on 'Intelligent Transport Systems'. SESEI was invited to attend the curtain raiser as a speaker and share the latest update in EU on this subject for Policy and standardization.

Key Queries addressed:

Generic:

- Updates/Input on INSS (Indian National Strategy for Standardization) 2018 as drafted and released by Ministry of Commerce: SESEC
- Provided inputs to 'Technical Paper – Ropeways Standards' on 'Gaps in BIS Standards vis-a-vis CEN Standards': BIS

ICT:

- Inputs to TRAI's work programme 2019 as it shall include standardisation of future technologies: Broadband India Forum



- Inputs to Draft pre-standardization Study Report on Active Assisted Living (AAL) and provided information on European standard EN 301 549 "Accessibility requirements suitable for public procurement of ICT products and services as it has been updated recently: Innovmedcare
- Inputs to White Paper on Inclusion of People with Disabilities through Information and Communication Technology as prepared by FICCI with Microsoft: Broadband India Forum (BIF)

Electrical equipment including consumer electronics:

- Inputs on BIS certification procedure for Li-ion battery (HSN code: 85076000): Karcher Cleaning Systems Private Limited
- Inputs to Draft National Policy on Electronics (NPE) 2018 as drafted by Ministry of Electronics and Information Technology (MeitY): MAIT

Automotive:

- Query on approved policies around Electric Vehicle, EV charging station, its standards & protocol and Artificial Intelligence (AI) policy in India: Broadcast Engineering Consultants India Limited (BECIL)

Smart manufacturing:

- Inputs to Draft Pre-standardization study report on Smart manufacturing drafted by BIS: Bureau of Indian Standards (BIS)

Ropeways:

- Addressed query regarding RITES on Ropeways EN Standards & its implementation: WPK Austria GmbH

3. Generic Update

3.1 Government waives import duty on 35 capital goods to boost mobile phone manufacturing

The government has exempted 35 machine parts used for manufacturing mobile phone components from the basic customs duty to promote handset production in the country. In a notification dated September 28, the finance ministry exempted items such as printed circuit board (commonly known as motherboard) coating machine, PCB assembly loader, unloader from the customs duty.

These 35 capital goods are used for making mobile phone components such as lithium-ion battery, speaker and receiver of mobile phones, data cables, optical fibre etc.



Basic duty on the 35 items which currently range from 7.5 to 10 per cent is now fully exempted. IGST will be applicable on the imports but this can be set off against GST. Essentially, the focus in the amendment is to cover manufacture of parts for mobile handsets, speaker and receiver, data cables, optical cables, PCBs and PCBA's. All these are under the notified phased manufacturing programme.

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3.2 MNRE tells lenders to favour BIS-compliant solar Projects

The ministry of new and renewable energy (MNRE) has asked lending institutions to give preference to Indian standards to ensure quality while financing solar power projects, having noted that the current procedure favours Chinese suppliers at the cost of Indian players.

In a recent communication to the finance ministry, MNRE said **lenders should prefer manufacturers complying with standards laid down by the Bureau of Indian Standards (BIS) while financing solar projects, instead of following the Bloomberg Tier-I list, which mostly includes foreign players, or large Indian manufacturers such as Tatas and Adani Solar.**

Even Chinese companies can have BIS certification. Preferential treatment to Chinese companies should not be given by following Bloomberg Tier-I list, which mostly has foreign players and only a couple of Indian players. Last year, MNRE made it mandatory for manufacturers or sellers of PV modules in India to obtain BIS registration. Following several extensions, the order will be effective January 1, 2019, the official quoted above said. Prior to implementation of BIS certification as a compulsory requirement, there was no uniform means to ascertain quality of modules supplied in India.

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3.3 Department of Industrial Policy and Promotion (DIPP) floats draft patent 2018

The Ministry of Commerce and Industry has published Draft Patent (Amendment) Rules, 2018 (Draft Rules) for objections and suggestions. The key highlights of the Draft Rules are broadly set out below:

International Applications:

- Patent agents will be required to file all documents, including scanned copies of documents, only by electronic transmission at the time of filing an international application under the Patent Cooperation Treaty (PCT). Original documents will require to be submitted within a period of fifteen days.
- There will be no transmittal fee for international applications filed through e-PCT.
- There will be no fee for preparation of certified copy of priority documents and e-transmission.

For draft patent rules please [click here](#)

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3.4 DIPP wants strict compliance on procurement of local products

The Department of Industrial Policy and Promotion (DIPP) wants to amend the Public Procurement Order so that penal action can be taken against erring officials of procurement agencies of any government department if they include restrictive or discriminatory conditions against domestic suppliers in bid documents. The tightening of compliance is to give preference to products manufactured under Make in India for public procurement to push domestic industry.

DIPP wants to “fix responsibility” for any such action against local suppliers through the addition of this clause. It also wants the minister in charge of the particular department to approve in writing why it wants the minimum local content to be below the prescribed level or reduce the margin of purchase preference below 20%.

[Read more](#)

3.5 Policy space in ecommerce: India to WTO

India has told the World Trade Organization (WTO) that developing countries need to maintain policy space in certain aspects of ecommerce such as ownership and use and flow of data in “sunrise sectors like cloud computing and data storage.” Citing gaps in understanding on effects of ecommerce on competition and market structures, India said policy space is needed in the facets related to hosting of servers as well as big data analytics and M2M (machine-to-machine) communication in the era of internet of things.

“Advance of digital technologies, automation and robotisation will result in the loss of a large proportion of traditional jobs in the technology sector,” India said at a meeting of the trade negotiations committee in Geneva last week. Developing countries, Indian trade negotiators said, are deficient in understanding issues related to technology transfer in the ecommerce space. However, India is committed to reviving work on the multilateral track, with its “non-negotiating mandate” to understand these issues better.

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4 SMART CITIES

4.1 50 smart cities integrated command and control centres to be ready by 2019

By March 31, 2019, Rs 1 lakh crore (12.5 billion euros) worth of work will be under implementation under the Smart Cities mission. As many as half of the smart cities' integrated command and control centres are expected to be ready by 2019. Currently work worth Rs 49,000 crore (6.12 billion euros) is on. Already 12 command and control centres are functional and another 26 are in the pipeline and 22 are under tendering process.

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4.2 Smart City's CITIIS prog strong platform for India, France to achieve their shared vision

"The CITIIS (City Investments to Innovate, Integrate and Sustain) programme provides a strong platform for both India and France to achieve their shared vision of a sustainable future and a more equal and just society through collaboration. The CITIIS programme will be implemented by the Ministry of Housing and Urban Affairs and National Institute for Urban Affairs (NIUA). It is financed by the AFD, the Government of France and the European Union.

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4.3 German Leg-up for Smart City Project

Germany will provide technical support for conceptualising and implementing projects in five sectors under Smart City Mission in Cochin. Fraunhofer IAO, an autonomous agency under the German federal government, has signed an agreement with Cochin Smart Mission Limited for supporting them. German Ambassador to India Dr Martin Ney launched the Smart City Innovation Lab, the intellectual platform for technology sharing. Fraunhofer Institute has been providing technical, financial and social support to smart cities across the globe through project details preparation and studies.

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4.4 Status Report on Smart City Mission India – by EU Project SESEI

SESEI released status report on 100 Smart Cities Mission in India covering Mission background, Selection Process, Monitoring, financing, Current implementation status, Challenges, Technologies, Convergence with other program, Standardization etc.

For the copy of Report please [click here](#) & Presentation is available [here](#)

5 Electrical Equipment including Consumer Electronics

5.1 Cabinet approves moving a Resolution in the first Assembly of the International Solar Alliance (ISA) for amending the Framework Agreement

The Union Cabinet chaired by Prime Minister Shri Narendra Modi has given ex-post facto approval for moving a Resolution in the first Assembly of the International Solar Alliance (ISA) for amending the Framework Agreement of the ISA for opening up the ISA membership to all countries that are members of the United Nations.

Opening the membership of the ISA will put solar energy in global agenda with the universal appeal for developing and deploying solar energy. It will make ISA inclusive, whereby all member countries that are members of the United Nations could become member. Expanding membership will lead to ISA initiative benefitting the world at large.



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5.2 BIS approves TUV Rheinland's solar equipment test lab in Bangalore

Major certification body the **Bureau of Indian Standards (BIS)** has recognised TUV Rheinland's PV testing laboratory located in Bangalore, so that the lab is now authorised to conduct testing of solar modules. Manufacturers can now approach TUV Rheinland for testing, in order to comply with BIS requirements, under the **Compulsory Registration Scheme (CRS)** scheme and in line with the Solar Photovoltaics, Systems, Devices and Components Goods.

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5.3 Smart electricity meters in rural India a win-win: Asian Development Bank (ADB)

ADB is planning to scale up a satellite-based smart meters project, implemented in a village in Uttar Pradesh, as it finds it to be a win-win solution for several stakeholders, including the consumers as well as discoms. As part of its USD 200 million loan for Energy Efficiency Services Limited (EESL) to implement various demand-side energy efficiency projects in India, the ADB assisted pilot is running in a village in Varanasi in 5,000 households.

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5.4 Office Memorandums (OMs)/Notifications issued by Government of India

- Central Electricity Regulatory Commission (CERC) issued CERC (Deviation Settlement Mechanism and Related Matters) (Fourth Amendment) Regulations, 2018. [Read more](#)
- Memorandum for the implementation of public procurement in renewable energy sector giving preference to 'Make in India' products. [Read more](#)
- Office Memorandum (OM) regarding "Non-insistence on Tier-I Solar PV Modules". [Read more](#)
- Amendment in the Guidelines for implementation of a scheme for setting-up of over 2000MV Grid-connected Solar PV Power Projects with Viability Gap Funding(VGF) under Batch-III of phase II of the NSM-reg. [Read more](#)

6 Automotive

6.1 Ministry of Power (MoP) released guidelines and standard for charging infrastructure for Electric Vehicle (EV)

With the goal to facilitate the widespread adoption of electric vehicles (EV) in the country, the Ministry of Power (MoP) has announced guidelines and standards for the development of electric vehicle charging infrastructure in India. Through these guidelines, the government aims to enable faster



adoption of EVs, promote an affordable tariff rate, and support the development of EV charging business throughout the country. To achieve these goals, the following measures have been announced:

- Private charging stations will be permitted at residences, and distribution companies (DISCOMs) are to facilitate the same.
- Setting up public charging stations (PCS) will be a de-licensed activity and any individual is free to set up public charging stations, provided that, such stations meet government's technical as well and performance standards.
- Prioritizing provision of connectivity by the DISCOM licensee to supply power in the area in case an individual applies for permission to set up a public charging station.
- Any charging station may also obtain electricity from any generation company through open access protocols

The guidelines also provide a list of minimum infrastructure requirements for a charging station for both light as well as heavy vehicles that may require charging infrastructure for long distance travel. The government plans to deploy charging in a grid pattern of 3 km X 3 km. Further, one charging station will be set up at 25 km intervals on both sides of selected roads. According to the guidelines, the tariff for the supply of electricity to EV charging stations will be determined by the appropriate commission, provided that the tariff is not more than the 15% above the average cost of supply. The state nodal agency will be responsible to fix the ceiling of the service charges levied by the PCS.

As per the new guidelines, the government plans to roll out the development of EV charging infrastructure in two phases. In the first phase, EV charging stations are to be developed over the next 1 to 3 years in mega cities with populations of 4 million and above. In the second phase, cities such as state capitals and union territory headquarters will be covered for distributed and demonstrative effect. Further, important highways connected with each of these mega cities will be taken up for coverage in the next 3 to 5 years. To propel the growth of EVs in India, the government recently slashed the applicable rate of the Goods and Services Tax (GST) on lithium ion (Li-ion) batteries.

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6.2 Draft Electric Vehicle Policy 2018 from State Govt. of National Capital Delhi

In a major move to fight air pollution, the Delhi government released this draft policy which aims to ensure adoption of 25 per cent e-vehicles among new registrations by 2023. Through this policy the state government plans to create a significant corpus of funds to incentivise every vehicle segment. It has also committed to strengthen the infrastructure for battery charging and swapping so as to provide access within 3 km range from anywhere in Delhi.

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6.3 Government Extends Duration of FAME I Program for EV's again



This is the fourth time that FAME I has been extended since its inception in 2015. The government has decided to yet again extend the duration of the Faster Adoption and Manufacturing of (Hybrid) and Electric Vehicles (FAME) program aimed at facilitating the widespread adoption of electric vehicles. This time, the government has extended the program for a duration of six months or until the second phase of the program is implemented, whichever is earlier. The fourth extension is subjected to the following:

- The benefits of incentives available to conventional battery vehicles will be discontinued from October 1, 2018.
- Vehicles that do not need registration will get excluded from the program with effect from October 1, 2018, irrespective of the battery type.

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6.4 NTPC Signs MoU with Seven Electric Vehicle Aggregators

NTPC signed MoUs with Vehicle Aggregators like Ola, Lithium, Zoom Car, etc. for development and utilization of public charging infrastructure. This collaboration with Aggregators, having presence in the entire spectrum of e-mobility across India, will lead to development of charging infrastructure for the various vehicle segments as well as effective utilisation of public charging infrastructure. The arrangement would thus provide a win-win situation for all stakeholders.

Company is planning to provide charging solutions for the entire range of electric vehicles ranging from electric buses to electric 2/3-wheelers and developing associated e-mobility ecosystem across the country. NTPC is in discussion with various State/City administrations for creation of charging infrastructure for public transport and has signed MoUs for cities of Jabalpur, Navi Mumbai and Bhopal.

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6.5 Report on Indian Automobile Industry – by EU Project SESEI

SESEI released sectorial report on Indian Automotive industry covering Market segmentation, Status, Growth Drivers, e-mobility, ITS, Govt, Policy & Initiatives, Technical regulation & standardization etc. For report Please click [here](#) and presentation is available [here](#).

6.6 Office Memorandums (OMs)/Notifications: Government of India

- ✓ Notification no. GSR 1081(E) regarding amendment in rule 90 of the CMVR, 1989- (additional condition for national Permit), fitness periodicity of two years, mandating FASTag etc. [Read more](#)
- ✓ Draft Notification no. GSR 1073(E) regarding common format for the Driving License and Registration certificate. [Read more](#)
- ✓ Notification no. G.S.R. 931(E) regarding Special requirements for transportation of Livestock. [Read more](#)
- ✓ Notification Issued for Inclusion of Quadricycles as Non Transport Vehicles [Read more](#)
- ✓ Notification no. G.S.R 1192(E) regarding Light and Signalling Device. [Read more](#)



- ✓ Notification no. S.O. 6052(E) regarding High Security Registration Plates (Order), 2018. [Read more](#)

7 ICT

7.1 Govt Frees a Set of Spectrum for WiFi, 5G in 5 GHz Band

The government has freed a set of spectrum in the 5 Ghz band from licensing for providing Wifi and partially 5G services by telecom companies. No permits would be required for the spectrum in the range of 5150-5250 Mhz band, 5250-5350 Mhz and 5725-5875 Mhz, according to an official notification. The move is seen to push setting up of Wifi services in the country and facilitate development of 5G ecosystem.

“No licence shall be required under indoor and outdoor environment to establish, maintain, work, possess or deal in any wireless equipment for the purpose of low power wireless access systems, including radio local area networks operating in the frequency band 5150-5250 MHz; 5250-5350 MHz; 5470-5725 MHz; and 5725-5875 MHz,” the government notification said. The move is seen to push setting up of Wifi services in the country and facilitate development of 5G ecosystem.

The 5 Ghz spectrum frequency can be used for short range communications like for coverage within an apartment or shopping centres. The government under Bharat Net project is planning to roll out 1 crore wifi hotspots in the country in rural area. Besides, it is in discussion with telecom operators to roll out wifi in urban centres too. Freeing of spectrum 5 Ghz range will also facilitate indoor communications services and reduce load on telecom networks.

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7.2 Data & cyber security may come under TRAI, Telecom Commission

The remits of the telecom regulator and the Telecom Commission are in the process of being widened that may see them overseeing issues such as data privacy, security and cybercrime, which are currently being looked into by the IT ministry. These changes, which will come through an amendment in laws, underline the fact that consumers access most of their data via mobile phones, and hence the telecom department will need to get involved.

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7.3 Govt starts facility for security testing of telecom product

The government has started a facility for testing telecom products and equipment to ensure security in digital communications at the national level. A state-of-art facility for preparation of security assurance standard putting India at the forefront of technology was also inaugurated. This facility will work for security from the national perspective and also facilitate the development of testing and certification ecosystem in the country.



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7.4 India-EU cooperating on data privacy, data protection issues: BEREC

Experts from the European Commission have met the Indian government several times in the past few months to discuss the work done on data protection. This comes at a time when data privacy and protection have been debated upon by the regulators, telecom and e-commerce companies, social media platforms and content creators in India.

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7.5 Policy, Recommendations and Consultation Papers by TRAI & DoT

- Govt notifies new telecom policy, renames Telecom Commission as Digital Communications Commission. [Read more/Download](#)
- Department of Telecommunications (DoT) released notification for National Digital Communications Policy 2018. [Read more/download](#)
- Consultation paper on Estimation of Access Facilitation Charges and Co-location Charges at Cable Landing Stations. [Read more/download](#)
- Consultation paper 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](#)
- Telecommunication Mobile Number Portability (Seventh Amendment) Regulations, 2018. [Read more/Download](#)
- Telecommunication Tariff (Sixty Fourth Amendment) Order, 2018. [Read more/Download](#)
- Consultation Paper to Check on over-the-Top (OTT) Players. [Read more](#)
- Telecom Regulatory Authority of India (TRAI) releases Consultation Paper on Review of extant provision for sending the printed bills to consumers of landline and postpaid Mobile subscribers. [Read more](#)
- Department of Telecommunications (DoT) Notifies Rules For Inflight Connectivity. [Read more](#)

8 Planned Activities for Next Quarters

- Monthly Activity Tracker, Draft Standards under WC, Bi-Weekly News/Policy
- Preparation for the Steering Committee SC# 9
- Finalisation of sectorial reports on ICT and Electrical Equipment including consumer electronics.
- 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
- Preparation of draft Final Report for SESEI 3.



- Participation in the important conferences and events.

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