SESEI

Seconded European Standardization Expert in India

Quarterly Report No. 4
Standards, Policy and Regulation
('April – June' 2020)

July' 2020

SESEI IV– Dinesh Chand Sharma

1. Executive Summary

Synopsis of the activities, latest updates and market developments concerning Project SESEI for the period of April to June 2020 is presented in this quarterly report no 04. The world has literally come to a standstill due to the ongoing Covid-19 pandemic which started back in December 2019. The Medical community world over is fighting on the frontlines trying to save as many lives as possible. To support this, ICT/ IT industry has played a role of savior to the businesses and industries world over by making virtual world a reality. New technologies, data analytics, sensors and resilient infrastructure has been a constant tool for curbing the effects of the pandemic in all over the world.

As part of the economic reforms during the ongoing covid-19 pandemic, the Prime Minister of India has called for the 'Atmanirbhar Bharat Abhiyan' or 'Self-Reliant India Mission'. As part of the mission, numerous government decisions were put in place such as changing the definition of MSMEs, boosting scope for private participation in numerous sectors, financial package etc. Indian government has also mandated declaration of 'country of origin' on products for manufacturers, importers, packers and e-commerce entities, whether a product is sold through offline or online platform. Public procurement norms have also been modified to give preference to the local suppliers, in which Class-I and Class-II have been formed basis their domestic value addition.

The progress in the completion of Smart City projects has been lagging and it got further impacted by the covid-19. However, the Smart City control rooms have been playing an active role in fighting and curbing the spread of Covid-19 in India. Real-time surveillance, lockdown monitoring, and information-sharing capabilities by using technologies like IoT/sensors, tele-healthcare, Big Data, AI, has significantly supported and is supporting the government in the pandemic control and endeavor.

In the electronics & electrical sector, the government is empowering the Public sector companies to set up manufacturing facilities and clusters. In this endeavor, Bharat Heavy Electronics Ltd. (BHEL) one of the prime public sector enterprise floated an Expression of Interest (EOI) inviting global companies to Make in India. Similarly, Public sector - ITI Limited is setting up an electronic manufacturing cluster (EMC) under the Ministry of Electronics and IT's (MeitY) funding scheme by following the willingness of nearly 50 manufacturers or original equipment makers worldwide.

The Automotive sector is working in full steam to actualize the "All electrical by 2030 vision", and in this regard amendments are being made to EV Charging guidelines to make it more dynamic and pragmatic, and standards for the emission levels are also being notified. Apart from making all vehicles electrical by 2030, the Ministry also aims to make India the foremost automotive manufacturing hub in the world. Ministry is also contemplating of finalizing the vehicle scrappage policy, under which it is proposed that recycling clusters will be setup near ports.

Stringent measures has been laid down by the Telecom Engineering Centre for ensuring safety checks on the imported network equipment by the telecom equipment manufacturers. However, the telecom bodies are vehemently opposing the need to undergo mandatory local testing or submission of the source code. OEMs have stated that their equipment is anyways certified by accredited private global labs before deployment in India and it adhere to worldwide standards practice and security compliance including the GSMA Network Equipment Security Assurance Scheme (NESAS).

India is taking a lead role in the deployment of Artificial Intelligence (AI) for the economic and social empowerment of the country. Govt. think tank - Niti Aayog is working on the strategy paper and Policy for "how best to use this technology for benefit of the country". Recently, India joined the Global Partnership on Artificial Intelligence (GPAI) as a founding member to support the responsible and human-centric development and use of AI. EU along with France, Germany, Italy, US and UK are also members of the GPAI. India also launched the first national Portal on Artificial Intelligence, as a one-stop digital platform for AI-related developments in India, available for sharing of resources such as articles, startups, investment funds in AI, resources, companies and educational institutions related to AI in India.

In the quarterly report, we also provide details of the various notifications issued by the Ministries concerning priority sectors. As always, we have also provided details of the various meeting, queries and events addressed and participated by SESEI expert.

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

In the end, I would like to conclude by stating that the global coronavirus pandemic has clearly demonstrated the need for the businesses, organisations and people to become resilient and adaptable to sudden changes. Standards and new technologies will play an essential role for safeguarding the environmental needs, business solutions and adaptability to innovative solutions.

Happy reading!!!

Dinesh Chand Sharma
(Seconded European Standardization Expert in India)

2. Key Meetings, Event Participation and Queries

In this section, we are providing you with a snapshot of various activities performed by the SESEI expert during the period starting 1st April 2020 till 30th June 2020. It may be noted that the activities, meetings, and events were severely affected due to the ongoing covid-19 pandemic. Most of the events planned during the period were either cancelled or held virtually or alternatively presented as webinars. Details of all the activities are presented below for discernment. A quick dashboard of the activity summary is provided below:

Sr. No.	Description	Total Until now	In Last quarter
1	External Meetings	115	31
2	Internal Meetings	37	7
3	Events/Seminar/Workshop/Roundtable	87	37
	Total	**239**	**75**
4	No of Queries	44	11

Detail of few key meetings and event/workshop participation are briefly summarized below and for more information on these key meetings, events/workshop participations and list of queries addressed, please refer Activity Tracker report submitted as "Annexure -2_Activity Tracker.

Key Meetings:

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

Meetings with BIS:

Generic:
- **Web sessions by BIS to create a new technical committee**: BIS sought support of CEN member for establishment of new Technical Committee on security equipment for financial institutions and commercial organizations. SESEI expert facilitated the same.

ICT:
- **BIS LITD-28-P6-ICT-RA WG meeting to discuss ICT Reference Architecture:** BIS WG from Electronics & IT department responsible for defining the standards for ICT Reference Architecture for the Smart Cities was reconstituted and held its first meeting to discuss the ToR and Scope of its deliverables. SESEI is also nominated as a member and contributing EU work on the subject.

- **BIS LITD 28/P9 IoT Systems RA:** Bureau of Indian Standards (BIS) has constituted a panel on IoT reference architecture (LITD/28 P9). Meeting held to define the Terms of Reference (ToR). SESEI is a member and is promoting EU work on the subject such as oneM2M.

Smart cities:

- **Meeting of the LITD 28 the Smart Infrastructure Sectional Committee in BIS:** to share characteristic of Draft Indian Standards on "Last Mile Communication Protocols Stack" under Wide Circulation - Docs LITD 28 (13502) and LITD 28 (13503).

Services

- **Meeting Notice of SSD 10 'IT and ITES sectional committee' of BIS:** Meeting held virtually to discuss draft scope of Work for the committee. SESEI informed committee about the work carried out in EU by its SDO - CEN & CENELEC through its TCs: CEN/TC 428 - ICT Professionalism and Digital Competences, CEN/CLC/JTC 13 - Cybersecurity and Data Protection, CEN/TC 445 - Digital information Interchange in the Insurance Industry.

Meetings with TEC/ DoT and other Govt. Bodies

ICT:

- **"Security by design principle and National Trust Center on IoT"**: TEC has prepared a draft document based on the study of related document released by international organizations such as NIST, ETSI, ISO/IEC JTC1, ITU-T SG20 etc. Meetings held to discuss, contribute and finalise the document. SESEI has also provided inputs and suggested TEC to include ETSI standard ETSI TS 103 645 (became EN 303 645), the first globally applicable cyber security standard for consumer IoT devices as part of this report.

- **Meeting of WG on Future Communication Technologies in IoT domain:** During WG meeting SESEI expert informed WG that ETSI is working on e-Health, Medical Devices, Smart Body Area Networks and Smart Appliances and said that SESEI office will provide input on these topic for the report. SESEI expert was also requested to include some content related to resolving issues in Covid-19 pandemic time.

- **Meeting for finalizing report on "IoT / ICT standards for Smart cities":** SESEI is one of the key contributors to the document and regularly participates in the meeting for finalization of the report. SESEI has provided inputs on "Policy initiatives and standardization work around smart cities in Europe", which is included in this report. At present the draft report has been finalized and is under review for the release along with announcements on the National Standards for IoT/M2M

- **Meeting of "Smart Village & Agriculture Working Group" of TEC:** To Further refine the Technical Report on "Smart Village & Agriculture" by adding more relevant use cases and updating already existing data and statistics, TEC has come out with a comprehensive document which may be useful for the Ministry of Agriculture & Farmers' welfare, start-ups in IoT domain, villagers and farmers; with the focus on describing the role of technology in increasing farmer's income and making villages smart. SESEI expert have provided EU input to the report.

- **Audio Meeting with Mr. Ashutosh Pandey, DDG - R, TEC:** This meeting was requested to seek update and clarification on the matters related to SAR value and SAR testing in India based on the new IEC standard as requested by EU Industry.

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

ICT:
- **Exchange between SESEI expert and GIZ officer regarding IoT security:** Philip Grinsted, GPQI GIZ and his team had a conference call meeting with SESEI to discuss and align next steps based on the IoT security discussion paper. GIZ sought input from SESEI and explore possible synergies with the project.

- **EBG Telecom Sector Committee Meeting:** Meeting was held to discuss following topics of a) Review on Telecom Industry Issues b) TRAI consultation paper on Interconnect charges & Cloud Providers c) Roundtable with DoT Secretary to take up issues such as AGR, OSP etc. and d) Budget Input suggestions

Meetings with Industry & Associations:

ICT:
- **IET Future Tech Panel - Standards working group & First meeting:** The IET - IoT Panel has once again invited SESEI to Chair their Standards, Legal & Regulatory Working Group. In this regard a preliminary Conference call meeting was organized to review the members on the Standards, Legal & Regulatory working groups and to revisit the working group charters. First Meeting of the Standards, Legal & Regulatory Working Group of IET- Future Tech Panel held on 30th June 2020, wherein draft charter and work scope was discussed.

- **Meeting with IET Events / secretariat, InDiCo and SESEI Team**: to discuss possibilities to work together and promote ETSI standardization related work through IET India Digital Conversations platform.

Meetings with Project Partners:

- **Con call between Mr Luis Romero, CEO ETSI, Senior officials TSDSI and SESEI:** To explore increase in soft in-kind work for TSDSI for the year 2021 as part of contribution towards 3GPP/oneM2M.

- **Introductions & Priority India Catch up call with CEN - CENELEC:** Meeting with new project manager CEN CENELEC concerned with Project SESEI for introduction, Project status and action items.

- **Steering Committee Meeting No. SC#3:** Due to the Covid 19 advisory Steering Committee Meeting No. SC#3 was held virtually. Actions items from the previous steering Committee meetings and their status update, project administration and management, Budget snapshot and proposals for reallocation of unused budget, etc.

- **CEN-CENELEC Priority India Meeting:** CEN CENELEC organized Priority India Meeting to discuss the action items to be followed up with BIS & MEITY around issues related to Market Access, etc.

Key Event Participations:

Generic:
- **Web event by European Business Group (EBG)**: Principal Economic Adviser, Ministry of Finance, Government of India, presented the impact of Covid 19 on doing business in & from India.

- **Webinar: Technical Market Access Challenges in India**: organised by GPQI-India & IGCC, Technical Market Access Challenges in India, In Times of the Corona Pandemic

- **Telehealth breaking stereotypes and embracing technology by IET – Future Tech Panel**

- As part of the IET Digital Conversations **webinar on the use of technology to put businesses back on the road to recovery**.

ICT:
- **COAI along with techARC organised the 1st edition of 'techFLIX** – special series of webinars on the impact of covid-19 on digital industries in India.

- **The official launch of the IET Future Tech Panel**: 'The IET Future Tech Panel' is constituted by the IET - IoT Panel. virtual launch and discussion were held to launch the Future tech panel.

- **Virtual celebration of the World Telecommunication and Information Society Day (WTISD)**: ITU-APT foundation of India held an online Web Conversation as part of the World Telecommunication and Information Society Day (WTISD)

- **Webinar on "Fighting COVID-19 with Innovative Real-Life Use Cases Powered by Advanced ICT Tech"** was jointly organized by COAI, Hindustan Times and Huawei Technologies.

- **Webinar on Telecommunications Leading to 5G:** Managing Director, Reliance Jio Infocomm Ltd. and Director IIT Kanpur conducted a webinar on 5G Technologies.

- **Web seminar: Technology Backbone for Growth in Rural Communities:** IEEE SA is conducted a virtual event on use case for rural broadband connectivity, - Rural Broadband Architecture, - IoT Agriculture, SESEI attended the event to understand the progress on this subject especially the LMLC.

- **Webinar: Contact Tracing apps – Design, Implementation and Effectiveness hosted by Centre for Software and Information Technology Management (CSITM) of Indian Institutes of Management (IIM) Bangalore:** The webinar is a discussion with legal experts on the multiple concerns regarding the design, implementation, effectiveness, security and data collection practices of a particular application.

- **Webinar on Standardization @ 3GPP:** Introduction to what 3GPP is, how it works and how it fits into the 5G eco system, by India-EU Collaboration on ICT.

- **ETSI Security Week -** Webinars: on Consumer IoT security standards, Cyber Security, 5G, Cryptology, etc.

- **Webinar on "Standardization@3GPP: Webinar on RAN – 5G NR radio evolution":** organised by EU - India ICT Standardisation Collaboration

- **Webinar to share Ericsson Mobility Report & 5G by Ericsson and COAI**

Smart city:
- **Webinar on smart city/IoT:** ERTICO, ITS Europe organized a webinar on smart city/IoT. The main agenda of this webinar was on: What will the Smart City of tomorrow look like?

- **Webinar on Resilience Planning for Cities in the Era of Covid -19, by FICCI:** Most of the discussion and presentations by the eminent speakers was on how the future technologies, especially 5G and IoT will work onwards building a smart, resilient city. - How smart technologies mitigate or prevent such pandemics in future?

- **Webinar on Location Technology**: Powering smart-cities, public safety and infrastructure management"

Electrical & Electronics:
- **CUTS Webinar - Electricity Act (Amendment) Bill 2020:** The Electricity (Amendment) Bill 2020, according to the MoP, is brought into address "critical issues weakening the commercial and investment activities in the electricity sector".

- **Webinar by Pmanifold on Electricity Distribution – Backbone to drive our fight against any Emergency**

- **Webinar on Mainstreaming Solar DC Applications**: Pmanifold Consultants organized a webinar on the advantages of Direct Current and mainstreaming it with Solar DC system

- **IESA – IGEF open webinar on 'Future of distributed home storage systems in India'.**

Automotive/ E Vehicles
- **Webinar: e-Bus Adoption and Integration: Lessons from Europe and Middle East by** pManifold

- International Road Federation (IRF) organized a **public online workshop on "Unleashing Road Infrastructure Potential for Cooperative, Connected and Automated Mobility (CCAM)**

- **International Webinar on "EV Charging Infrastructure testing standards for India**": organized by Energy Efficiency and Renewable Energy Division of Central Power Research Institute, Bengaluru.

- **Webinar on "e-Bus Adoption and Integration: Lessons from South Asia and Latin America":** Global experts from India and Latin America shared their experiences and case studies from South Asia and Latin America with discussion on improving overall adoption and integration of e-Buses.

Resource Efficiency
- EU – INDIA webinar on resource efficiency and circular economy on the occasion of world environment day.

Key Queries addressed:

- Input/article on "**An overview of the M2M/IoT journey in India** ": BIF

- Provide copy of standards "**ATIS 0600015.02.2016: ENERGY EFFICIENCY FOR TELECOMMUNICATION EQUIPMENT: METHODOLOGY FOR MEASUREMENT AND REPORTING - TRANSPORT & OPTICAL ACCESS REQUIREMENTS**": TEC

- Provide copy of **DVB CI Plus 2.0 standards based on ETSI TS 103 605**: BIS

- Provide copy of presentations on **Vienna and Frankfurt Agreement**: SESEC

- Provide Inputs to draft document on "**Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications**": TEC

- Provide updates on Essential requirements included **MCA for Ropeways**: Doppelmayr

- Provide Inputs to an Articles: IEEE IoT Magazine Special Issue on **Smart IoT Solutions for Combating COVID-19" and shared list of EN standards**: narnix technolabs pvt. ltd.

- Provide inputs to TEC report on **Future Communication Technologies**: TEC

- Provided updates on introducing **62209-3 in India**: ART-Fi

- Provide Input to **SSD-10 of BIS on work being carried out in service sector by European Standardization Bodies i.e ETSI, CEN, CENELEC**: BIS

- Provide Input on **TD 850 R1 Y.SRC "Requirements for deployment of smart services in rural communities**": TEC

3. Generic Update

3.1 Government modifies public procurement norms to give more preference to local suppliers

The government has modified public procurement norms to give maximum preference to companies whose goods and services have 50 per cent or more local content, a move aimed at promoting 'Make in India' and making the country self-reliant. The revised Public Procurement (Preference to Make in India), Order 2017, has introduced a concept of Class-I, II and non-local suppliers, based on which they will get preference in government purchases of goods and services. Class-I local suppliers will get the most preference in all government purchases because their domestic value addition is 50 per cent or more. They will be followed by Class-II suppliers, whose value addition range is more than 20 per cent but less than 50 per cent. Companies with less than 20 per cent of domestic content in their goods or services will not able to participate in most of the government tenders and they are categorised as "non-local suppliers".

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3.2 WTO issued notification for 12 products added to the schedule of CRO Phase IV

World Trade Organisation (WTO) issued circular to all its members on the request of the delegation of India on 20th April 2020. This notification was in context of (Requirements for Compulsory Registration) Order, 2012 for Electronics and Information Technology Goods. In continuation of the said WTO notification, India would like to inform the Members that it has carried out amendments to the aforesaid Order via its Gazette notification S.O. No. 1236 (E) dated 01.04.2020 thereby adding 12 electronic products in the existing list. The notification is available in the Public domain and can be accessed at URL: https://meity.gov.in/writereaddata/files/Phase_IV_Notification.pdf
https://members.wto.org/crnattachments/2020/TBT/IND/20_2827_00_e.pdf

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3.3 Companies and e-commerce players need to display 'country of origin' on products

In January 2018, the government amended the Legal Metrology (Packaged Commodities) Rules, 2011 to add a new provision mandating declaration of 'country of origin' for manufacturers, importers, packers and e-commerce entities. The ministry has finalised the rules relating to the composition and functioning of the CCPA, and these are expected to be notified soon.

Consumer Affairs Minister said state governments have been directed to strictly enforce the provision that requires companies and e-commerce players to display the 'country of origin' on all products. The provision of declaration of 'country of origin' has been in place since January 2018 for all manufacturers, importers, packers and e-commerce players. The commerce ministry has now been asked to ensure that e-commerce players to comply with this rule strictly, he said. Whether a product is sold through offline or online platform, it is mandatory to display 'country of origin' besides other details like maximum retail price (MRP), day of expiry, net quantity and consumer care details.

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3.4 Develop local use cases and IPR in 5G: telecom body COAI

At a time when the 5G spectrum auctions appear to have been delayed till next year, industry body COAI has said that the government should facilitate creation of indigenous IPR around the high-speed mobile technology by developing local use cases through engagement with start-ups and businesses.

Rajan Mathews, DG of COAI, said that while the government looks at an appropriate time to sell the 5G spectrum, it should use the intervening period to carry out the groundwork related to the technology, especially with regards to developing India-specific solutions around the network and usage.

"We feel that enterprises gain substantial benefits when 5G is rolled out. Areas such as cloud computing, edge computing, industry 4.0, robotics, remote surgery and artificial intelligence require higher computational power and extremely low latency," Mathews said, adding that, "These cannot be met at the 4G level. They require 5G."

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4   SMART CITIES

4.1   India's smart cities playing big role in technology led battle against COVID-19

As seen in many countries across the globe, smart cities in India too have been playing a major role and leading the way in the country's battle against the COVID-19 pandemic, says GlobalData, a leading data and analytics company. Technology Analyst at GlobalData, says: "Despite delays in the country's smart city projects due to paucity of funds, smart cities like Agra, Chandigarh, Vadodara, Bengaluru and Kakinada have been able to effectively tap technologies like IoT/sensors, tele-healthcare, data and analytics, and contribute significantly to India's fight against COVID-19.

Agra Smart City, for instance, launched a tele-video consultation service, which allows citizens to book an appointment with healthcare professionals, and even download online prescriptions from a dedicated website/app. Agra Smart City also tied up with the city administration and the Agra Police to set up a control room for monitoring social distancing compliance at various locations via video surveillance. It has also started using AI-based analytics on the surveillance data to generate alerts, which are configured via an app on the field staff mobile phones.

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5   Electrical Equipment including Consumer Electronics

5.1   Électricité de France wants India to play important role in its strategy of becoming carbon neutral by 2050

French electric utility company Électricité de France (EDF) expects India to play an important role in its global strategy of becoming carbon neutral by 2050. It is in the process of scaling up solar and wind power generation capacity in India to 2 gigawatts by 2022 and is scouting for acquisition opportunities

in hydro power, EDF's India stated. EDF has an ambitious target of doubling renewable installed capacity worldwide by 2030 to 50 GW and has identified renewable energy, smart metering, smart cities, transmission and distribution, and nuclear power as key growth areas in India.

We are open to solar and wind acquisitions, if they match our group's philosophy, and are technically and commercially sound. We are also open to brownfield acquisition in hydro power but we don't have anything specific in mind. The hydropower capacity will be over and above the 2 gw that we are aiming for solar and wind capacity," said EDF India Director.

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5.2 Bharat Heavy Electricals Limited invites global OEMs to leverage its facilities and capabilities to Make in India

In order to further promote 'Make in India' and support international companies for setting up manufacturing in India, BHEL has floated an Expression of Interest (EOI) inviting global companies to partner with it and leverage its facilities and capabilities for setting up a manufacturing base in the country. Bharat Heavy Electricals Limited (BHEL), a Maharatna CPSE under the Department of Heavy Industries, has 16 state-of-the-art manufacturing facilities spread across the country with substantial land bank as well as extensive built up industrial/ commercial and residential spaces. It has ongoing technology partnerships with some of the major global manufacturing and engineering companies as well as relationships with leading national laboratories & institutions.

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5.3 Indian Telephone Industries to set up 200-acre Electronic Manufacturing Cluster

The state-owned telecom equipment maker ITI Limited is setting up an electronic manufacturing cluster (EMC) under the Ministry of Electronics and IT (MeitY) modified scheme in Bengaluru and has sought approval from the administrative ministry for a long-term lease. The state-run company has sought the Department of Telecommunications (DoT) approval for a long-term lease following the willingness by nearly 50 manufacturers or original equipment makers worldwide. The initiative, according to the top executive would fetch as much as Rs 125 crore (€14.5 Million) annually as an additional income to the public-sector firm. "We are also in advanced talks with various multinational companies and have plans to set up a 1,000-seat data centre within the cluster," the top official added. The government's modified scheme, for the first time has allowed public-run companies to set up manufacturing clusters under the scheme and avail prevalent benefits including financial assistance.

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5.4 Office Memorandums (OMs)/Notifications issued by Ministry of Electronics & Information Technology

- Scheme for Promotion of manufacturing of Electronic Components and Semiconductors (SPECS). Read more
- Production Linked Incentive Scheme (PLI) for Large Scale Electronics Manufacturing. Read more

- Modified Electronics Manufacturing Clusters (EMC 2.0) Scheme and guidelines to implement (guidelines) Read more

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

- Draft Standard on "Technical requirements for Photovoltaic Grid Tie Inverters to be connected to the Utility Grid in India" Read more
- The Third Phase of Off-Grid Solar Program Extended to March 31, 2021 Read more
- Draft Guidelines and model PPA for Implementation of Off-Grid Solar Power Plants in RESCO model under MNRE Programme. Read more
- MNRE Invites Proposals for Developing a long-term vision, implementation plan, road map and institutional framework for implementing. "One Sun One World One Grid". Read more/Download
- MNRE Extends Timeline for 'One Sun One World One Grid' Plan on Request by 22nd July, 2020. Read more
- Creation of Foreign Direct Investment (FDI) Cell in MNRE for processing FDI proposals. Read more
- Order for formation of Project Development Cell (PDC) for "Attracting Investments in India". Read more
- Modifications in Scheme for "Development of solar parks and Ultra Mega solar power projects" – Regarding Read more
- Public Procurement (Preference to Make in India) order to provide for Purchase Preference (linked with local content) in respect of Thermal Power Sector (FGD). Read more
- Draft Electricity Amendment Bill 2020 for comments/suggestions until June 5, 2020 Read more/Download

6   Automotive

6.1   Government set to introduce vehicle scrappage policy to boost India's auto manufacturing

Union Minister said the government is set to introduce a vehicle scrappage policy, under which recycling clusters may be established near ports, expressing confidence that India will emerge as the world's leading automobile manufacturing hub in five years.   He said the government has decided to increase the depth of the country's ports by 18 metres, and automobile clusters comprising recycling plants can be set up near the ports.

The minister added that the material recycled will be useful for the automobile industry as it will reduce cost of manufacturing cars, buses, and trucks, increasing India's competitiveness in international markets. "Within five years, India will be the number one manufacturing hub of all cars, buses and trucks, with all fuel, ethanol, methanol, bio-CNG, LNG, electric as well as hydrogen fuel cells," Minister Said.

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6.2   Guidelines Revised for EV Charging Infrastructure

The Ministry of Power (MoP) has issued an amendment to its guidelines and standards for the charging infrastructure of electric vehicles (EVs). The guidelines were issued by the Ministry in December 2018 and were revised in October 2019. The amendment has now specified that the tariff for the supply of electricity to the EV public charging stations should not be more than 15% of the average cost of supply of power. This ceiling was not given in the earlier guidelines. Besides this, the amendment has added a few more important points to the existing guidelines. The amendment has now added a clause to say that for all practical purposes, the battery charging station (BCS) will be treated at par with the public charging station (PCS), and the applicable tariff for electricity supply will also be the same as for the PCS. Here, PCS means any EV charging station, while BCS implies a station where the discharged or partially discharged batteries of EVs can be recharged electrically.

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6.3   Emission norms for L7 (Quadricycle) category for BS VI notified

The Ministry of Road Transport and Highways has issued notification GSR 308(E) dated 22nd May 2020 regarding the emission norms for L7 (Quadricycle) category for BS VI. These norms are applicable from the date of notification. This notification completes the process of BS VI for L, M & N category vehicles in India. The emission norms are in line with EU with WMTC cycle. The procedure for testing is laid down in AIS 137-Part 9.

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6.4   Government issued eligibility criteria for EV components under FAME II

The Ministry of Heavy Industries and Public Enterprises (MHIPE) has issued a notification to all the testing agencies under the second phase of the Faster Adoption and Manufacturing of Electric Vehicles in India Phase II (FAME India Phase II). The notification is for the eligibility under the revised Phased Manufacturing Program (PMP) for xEV components. The xEV (electromotive vehicles such as hybrid electric vehicles, plug-in hybrid electric vehicles, and fuel-cell electric vehicles. The government had made an announcement last year that it would set up a national mission on transformative mobility and battery storage initiatives. The cabinet had approved the development of the Phased Manufacturing Program to support the development of large-scale, export competitive integrated batteries and cell-manufacturing giga-scale projects in India. Government supports electrifying public & shared transportation under FAME II

This program will be valid for 5 years until 2024, helps in the localisation of production across the entire electric vehicle value chain. The main motto of this mission is to make the technology sustainable and holistic mobility solutions all over the country. In the revised program, the traction battery pack will be assembled domestically and the battery cells and thermal and battery management systems to be imported.

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6.5   Office Memorandums (OMs)/Notifications issued by Ministry of Road Transport and Highway:

- Government extended the last date of bid submission at GeM portal for Electric Vehicle Supply Equipment (EVSEs)/ EV chargers by 20th May, 2020. Read more/Download

7.   ICT

7.1   India joins Global Partnership on Artificial Intelligence (GPAI) as founding Member

India joined the Global Partnership on Artificial Intelligence (GPAI) as a founding member to support the responsible and human-centric development and use of AI. GPAI is an international and multi-stakeholder initiative to guide the responsible development and use of AI, grounded in human rights, inclusion, diversity, innovation, and economic growth. With this, India has joined the league of leading economies including the US, the UK, EU, Australia, Canada, France, Germany, Italy, Japan, Mexico, New Zealand, Republic of Korea, Singapore to launch the global partnership

In collaboration with partners and international organizations, GPAI will bring together leading experts from industry, civil society, governments, and academia to collaborate across four Working Group themes: 1) Responsible AI; 2) Data Governance; 3) The Future of Work; and 4) Innovation & Commercialization. Critically, in the short term, GPAI's experts will also investigate how AI can be leveraged to better respond to and recover from COVID-19.

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7.2   India's first national Artificial Intelligence (AI) Portal launched

This portal shall work as a one-stop digital platform for AI-related developments in India, sharing of resources such as articles, startups, investment funds in AI, resources, companies and educational institutions related to AI in India.

Union Minister for Electronics and IT, Law and Justice and Communications launched India's national Artificial Intelligence Portal called www.ai.gov.in. "Artificial Intelligence Portal has been jointly developed by the Ministry of Electronics and IT and IT Industry.

National e-Governance Division of Ministry of Electronics and IT and NASSCOM from the IT industry will jointly run this portal. This portal shall work as a one-stop digital platform for AI-related developments in India, sharing of resources such as articles, startups, investment funds in AI, resources, companies and educational institutions related to AI in India. The portal will also share documents, case studies, research reports etc. It has a section about learning and new job roles related to AI," read an official statement issued by the Ministry of Electronics and IT.

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7.3 Global gear vendors oppose DoT diktat on mandatory local testing

Global telecom vendors such as Ericsson, Nokia, ZTE and Huawei are likely to oppose the telecom department's diktat to run mandatory safety checks on imported network gear from October 1 via local labs, saying it will only result in duplication of certification activity, disrupting network gear availability in India and delaying 4G network rollouts by at least 6-to-9 months.

They are set to write to the Department of Telecommunications (DoT) that their equipment is anyways certified by accredited private global labs before deployment in India, and will press the government to defer the in-country screening deadline. DoT's decision though has enthused local telecom gear makers, who say the move will counter security threats posed by Chinese telecom gear.

The DoT, in a circular dated June 23, has mandated that all kinds of telecom transmission gear, passive optical network (PON) equipment used in last mile broadband connectivity and network feedback devices will have to undergo in-country screening from October 1, 2020, via local labs recognised by its technical wing, the Telecom Engineering Centre (TEC). Such certification shall become mandatory from October 1 for sale, import or use of such telecom equipment," DoT said in a circular, adding that the direction is in line with provisions of Indian Telegraph (Amendment) Rules, 2017.

Read more

7.4 Source code constitutes commercial, confidential information: Telecom Group

The submission of source code by original equipment makers may not address India's security needs since it comprises of commercially valuable, confidential and sensitive information, and follows a frequent software delivery mechanism on networks, a lobby group told the telecom department.

In a letter to the Department of Telecommunications (DoT), the Cellular Operators Association of India (COAI) said that since the "source code constitutes commercially valuable, confidential and sensitive information" as well as other reasons, its submission for security testing is not necessary to address security requirement due frequent software delivery on the networks and mobile devices.

The Delhi-based group that represents incumbent telecom carriers such as Bharti Airtel, Reliance Jio and Vodafone Idea believes that the legal security measures were already in place under the country's IT Act. The letter comes after India's move to seek source code for network equipment as a part of security assurance standards proposed by the department's National Centre for Communications Security (NCCS), based in Bangaluru.

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7.5 Telcos push DoT to form key 5G panel ahead of ITU meeting

Phone companies have urged telecom secretary to speed up the formation of a key inter-ministerial panel to finalise India's 5G spectrum deployment game plan that will be discussed at a key meeting of the International Telecom Union (ITU) next month. The move comes after telcos recently urged the government to allot sub-3500 MHz 5G spectrum free of cost for 5G fixed wireless services to augment

networks capacities at a time when existing 4G networks are facing severe capacity constraints amid surging home internet consumption during the Covid19 lockdowns.

Director General of Cellular Operators Association of India (COAI), in a letter to telecom secretary has urged "DoT to create a National Preparatory Committee (NPC) and the relevant National Study Groups (NSGs) to begin the preparatory work to achieve the position of the Indian Administration" on deployment of various (5G) bands, including millimetre wave bands identified at ITU's World Radio Communications-2019 conference last November. India's position on 5G needs to be communicated to ITU at the global regulatory agency's upcoming meeting on June 23, but this can happen only after NPC has formalised India's stand.

Read More

7.6 Office Memorandums (OMs)/Notifications issued by Telecom Engineering Centre (TEC)

- Notice for stakeholder consultation on Indian Telecom Security Assurance Requirements (ITSAR) on E-Node B and P-Gateway. Read more
- Inviting inputs on the draft ER of IP Multimedia Conferencing Equipment. Read more
- Letter regarding review of old Generic Requirements (GRs)/ Interface Requirements (IRs) documents of MT Division. Read more
- Letter requesting for comments regarding withdrawal of GRs of certain Telecom Products pertaining to IT division. Read more
- Office Memorandum on Policy for adoption of domestic/international standards by TEC Standardization Guide. Read more

7.7 Reports/White Papers/Recommendations and Consultation Papers issued by TRAI

- Consultation Paper on Methodology of applying Spectrum Usage Charges (SUC) under the weighted average method of SUC assessment, in cases of Spectrum Sharing. Read more/Download
- Recommendations on Network Testing Before Commercial Launch of Services for Wireline Access Services. Read more/Download
- Consultation Paper on Regulation of International Mobile Roaming Services. Read more/ Download
- Recommendations on Ensuring Adequate Numbering Resources for Fixed Line and Mobile Services. Read more/Download

8. Planned Activities for Next Quarters

- End of Year financial closure & Regulatory Compliances
- Continued work with TEC to finalize national adoption of oneM2M standards
- Preparation for Virtual Workshop on IoT/M2M with TEC, CDOT
- Security Week in India planning Virtual/Physical through Indico
- Follow-up & work on the India Taskforce/Priority workshop action points
- Participation in the important conferences and events
- Policy & NEWS Updates

9. Glossary

Sr. No.	Acronym	Expansion
1	3GPP	3rd Generation Partnership Project
2	5G	Fifth Generation
3	AAL	Active Assisted Living
4	AI	Artificial Intelligence
5	BHEL	Bharat Heavy Electricals Limited
6	BIF	Broadband India Forum
7	BIS	Bureau of Indian Standards
8	CEA	Central Electricity Authority
9	CEN	European Committee for Standardization
10	CENELEC	European Committee for Electro-technical Standardization
11	COAI	Cellular Operators Association of India
12	DoT	Department of Telecommunications
13	EBG	European Business Group
14	EMC	Electronic Manufacturing Cluster
15	EoI	Expression of Interest
16	EoI	Expression of Interest
17	ETD	Electro-Technical Department
18	ETSI	European Telecommunications Standards Institute
19	EU	European Union
20	EV	Electric Vehicle
21	FAME	Faster Adoption and Manufacturing of (Hybrid) and Electric Vehicles
22	FICCI	Federation of Indian Chambers of Commerce and Industry
23	GPAI	Global Partnership on Artificial Intelligence
24	GST	Goods and Services Tax
25	ICT	Information and Communication Technology
26	ICT RA	Information and Communication- Reference Architecture
27	IEC	International Electrotechnical Commission
28	IEEE	Institute of Electrical and Electronics Engineers
29	IESA	India Energy Storage Alliance

30	IET	Institution of Engineering and Technology
31	IGEF	Indo-German Energy Forum
32	IoT	Internet of Things
33	ISO	International Organization for Standardization
34	ITU	International Telecommunication Union
35	JTC	Joint Technical Committee
36	LITDC	Electronics and Information Technology Division Council
37	M2M	Machine to Machine Communication
38	MEITY	Ministry of Electronics and Information Technology
39	MNRE	Ministry of new and renewable energy
40	MoP	Ministry of Power
41	MoU	Memorandum of Understanding
42	MSME	Micro, Small and Medium Enterprises
43	NESAS	Network Equipment Security Assurance Scheme
44	PV	Photovoltaics
45	R&D	Research and Development
46	SESEI	Seconded European Standardization Expert for India
47	SSD	Service Sector Department
48	SyC	Systems Committee
49	TBT	Technical Barriers to Trade
50	TEC	Telecom Engineering Centre
51	ToR	Terms of Reference
52	TRAI	Telecom Regulatory Authority of India
53	TSDSI	Telecommunications Standards Development Society India
54	WG	Working Group
55	WTO	World Trade Organization