

One Mega Event - Conference Programme

Day 1: 10 May 2017

Time	Room A
1000 - 1100 hrs	Opening Ceremony
1100 - 1130 hrs	Networking break
1130 - 1300 hrs	Inaugural Conference Session: Smarter solutions for a better tomorrow
1300 - 1400 hrs	Lunch

Time	Room A: Urban Planning	Room B: Buildings India	Room C: Water India	Room D: Transport India	Room E: Solar India	Room F: Youth Leadership Summit
1400 - 1530 hrs	<p>Session: City planning</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Mission to transform nation • Challenges in implementing mission • Vision and goals • Strategic plans and roadmap • Essential 	<p>Session: Policy and regulation for the buildings sector</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Policies and regulations: Housing for all; Green Buildings; Smart Buildings • Economic impact • Development of Townships • Real Estate challenges 	<p>Session: Water industry of India</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Water policies and planning • Development and realization of national and international policies • Water 	<p>Session: Green transportation: Roadmap</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Policies for EVs/HEVs • Analyse market trends • Understanding EV consumers • Optimization of fast charging infrastructure • Financing 	<p>Session: State of the sector- Targets, roadmap and challenges</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Central and state policies • Role of regulators • Focus on achievements vs targets • Low electricity demand growth • Major challenges in achieving targets such as land acquisitions, power evacuation, 	<p>Youth Leadership Summit is to support innovative genius minds to move beyond the classroom, and chart their way towards becoming leaders in industry. The idea is to make the youth active drivers of</p>

	<p>elements</p> <ul style="list-style-type: none"> • Pan city or area based development • Engaging citizens to achieve goals 	<ul style="list-style-type: none"> • Work force challenges/Training and Development • Restoration and maintenance of heritage buildings, etc. 	<p>economics</p> <ul style="list-style-type: none"> • Infrastructure efficiency • Effective water calculations • Changing patterns of water consumption and use • Regulation in Desalination & water re-use 	<p>opportunities</p> <ul style="list-style-type: none"> • Incentive schemes • Opportunities in storage/batteries segment • Environmental benefits of Electric Drive 	<p>delay in payments etc.</p>	<p>change. The summit provides a unique opportunity for students to participate in conference sessions and promote their ideas, solutions and models on the exhibition floor. Participation in Youth Leadership Summit will provide a platform to share ideas and concepts with industry and government, with a view to provide practical solutions to the real-world issues of sustainability</p>
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1530 - 1545 hrs	Networking break					
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1545 - 1715 hrs	<p>Session: Urban Design: Role of Architecture</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Refurbishment 	<p>Session: Housing for all</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Slum redevelopment • Affordable housing • Schemes, 	<p>Session: Drinking water & sanitation</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Infrastructure to supply 	<p>Session: Green transportation: Technologies</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Advances in EVs: 	<p>Session: Financing RE</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Impact of falling tariffs- Are returns actually getting squeezed? • Which one is more scarce- debt or 	
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<p>t of existing cities</p> <ul style="list-style-type: none"> • Pan city or region wise development • Design for new cities/townships • Urban landscaping 	<p>subsidies, funds, etc.</p> <ul style="list-style-type: none"> • Challenges, planning and way forward 	<p>safe drinking water</p> <ul style="list-style-type: none"> • Urban and rural water distribution network • Water sanitation and health • Controlling water wastage from leakages and misuse • Water quality assessment 	<p>Autonomy, performance and efficiency</p> <ul style="list-style-type: none"> • Technologies for improving efficiency of EVs/HEVs • Refining and improving the batteries • Battery safety and standards • Grid advancements • Adoption of alternative fuel vehicles and infrastructure 	<p>equity?</p> <ul style="list-style-type: none"> • Risk abating mechanisms (for example, REWA solar bid in MP) • Scope of aggregation/warehousing of solar rooftop in India • Financing tools and assistance: Clean energy funds, green bonds, green banks, infrastructure investment trust etc. • Standardising PPAs across Indian states 	
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Day 2: 11 May 2017

Time	Room A: Urban Planning	Room B: Building India	Room C: Water India	Room D: Transport India	Room E: Solar India	Room F: Mayors Conclave
1000 - 1130 hrs	<p>Session: Communication network and infrastructure</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Resource and network management • Quality of service mechanisms for wireless networks • Integration and co-existence of technologies and networks • Sensor technologies 	<p>Connected homes</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Importance of home • Emerging technologies for providing integrated services • Connected home categories • Interests vs needs • Barrier in adoption • Integrated services 	<p>Session: Water re-use Practices</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Water harvesting structure and technologies • Water conservation • Urban usage of recycled water • Desalination & water re-use in industry • application: agriculture, power, food & beverage, pharma • Waste water recycle practices 	<p>Session: Efficient urban public transport and facilities</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Policies and regulations for public transport • Challenges and future road map • Implementation the plan of expanding the current rail and road network • Upgradation of railways, airports, roads, highways and bus terminals • Smart tolling 	<p>Session: Regulatory framework</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Impact of GST on solar • Feedback from the implementation experiences from large scale developers • Policy support and changes in power market design required such as double part tariff for RE, 	<p>Mayor's Conclave Session: Improving governance model</p>

	and applications • Wireless networks • Experimental network measurements and characterization for data traffic				innovative net metering policies for the utility of future • Challenges ahead: Regulated prices, tariff determination, customer adoption, payment collection and faster dispute resolution • Single window clearances for seeking regulatory approvals	
1130 - 1145 hrs	Networking break					
1145 - 1315 hrs	Session: Translating IoT into innovation and better services Discussion Points: <ul style="list-style-type: none"> • Smart, connected products are bringing urban transformation • Data-driven business models creating new revenue streams • Power of IoT and M2M technology • Convergence 	Green Buildings Discussion Points: <ul style="list-style-type: none"> • Sustainable building materials and designs • Implementing energy efficiency in the buildings • Advancing net ZERO • Transforming technologies ; HVAC, indoor air quality, etc. 	Session: Reviving water resources & its management Discussion Points: <ul style="list-style-type: none"> • Water resources systems • Climate change impacts on water resources • Monitoring, remediation, assessment and protection of water resources • Planning and management of water resources and water provision • Aquifer recharge & preservation 	Session: Inter-city multimodal connectivity for economic development Discussion Points: <ul style="list-style-type: none"> • Corridor development • Sustainable and affordable air transit • Sea ports development • Interstate agreements for goods, freight and logistics vehicles • Inland waterways transportation • Smart highways • Simplification of 	Session: Impact of policies undertaken/ announced by Centre and states Discussion Points: <ul style="list-style-type: none"> • Impact of Ujjwal Discom Assurance Yojana (UDAY) • Funds, schemes and incentives introduced: are they relevant in today's landscape? • Why is no one talking 	Mayor's Conclave Session: Enhancing citizen engagement

	<p>of the digital and physical world</p> <ul style="list-style-type: none"> • Comparison from a universal standard • Cloud enables IoT innovation? • Human intervention with smart devices and technologies 	<ul style="list-style-type: none"> • Certification of green buildings 	<ul style="list-style-type: none"> • Water and groundwater interactions 	<p>tax structure</p> <ul style="list-style-type: none"> • Rest stops for transporters/drivers 	<p>about solar CSP?</p>	
1315 - 1400 hrs	Lunch					
1400 - 1530 hrs	<p>Session: Technologies for safety and security</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Developing smart security solutions • Application of GIS technology • Cyber security risk management 	<p>Session: Building resilience</p> <p>Discussion points:</p> <ul style="list-style-type: none"> • Safe building code and construction • Safety network • Resilient building design • Precautionary techniques and plans • Stakeholder involvement • Accountability and transparency in disaster management 	<p>Session: Case studies</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Namami Gange project • International examples of rehabilitating rivers/lakes/restoring natural water bodies 	<p>Session: Developing the intra-city multimodal infrastructure</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • City bus services • Transit through metro, trams, pods, etc. • Efficient local rail network • Solutions for last mile connectivity • Infrastructure for non-motorised transport 	<p>Session: India's solar leadership and global solar challenges</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Is India doing enough to fill the leadership vacuum at the high table on solar? If no, what more could it do? • How big an impediment are existing fossils capacity to achieve renewable targets globally? • International collaborations, e.g. ISA. Impact, future 	<p>Mayor's Conclave Session: Challenges and Learnings</p>

					plans <ul style="list-style-type: none"> • Can India be the leader to provide skilled manpower for renewable industry, similar to IT industry? 	
1530 - 1545 hrs	Networking break					
1545 - 1730 hrs	Session: e-Governance for smart cities Discussion Points: <ul style="list-style-type: none"> • Minimum government and maximum governance • Citizenâ€™s engagements in building good governance • Capacity building through e-Governance • Urban local governance: have reforms been effective? 	Session: Skill development for construction sector Discussion Points: <ul style="list-style-type: none"> • Address the skill gap • Set skills for the unorganised sector • Financial support • National Occupation Standards, Curriculum and Assessment Guidelines • Capacity building • Training • Assessment • Certification 	Session: Technologies for water rejuvenation Discussion Points: <ul style="list-style-type: none"> • Technologies for potable and waste water treatment • Industrial water: provision and treatment, reuse, and recovery of materials • Nanotechnology and biotechnology for water processing • Membrane technologies and innovative trends in distillation • Innovation in thermal technologies • Hybrid desalination 	Session: Traffic management & road safety Discussion Points: <ul style="list-style-type: none"> • Road safety management • Intelligent traffic system • Economic aspect of road safety • Improving infrastructure • Traffic police initiatives • Enforcement of laws • Pathways for pedestrians and non-motorized vehicles 	Session: Make in India- Solar manufacturing sector Discussion Points: <ul style="list-style-type: none"> • Incentives required to make India globally competitive in solar manufacturing • How do you see Modified Special Incentive Package Scheme? • Does it make sense for India to manufacture panels when China is already selling it at lower prices? • Promoting small existing manufacturers and encouraging large new 	Mayor's Conclave Session: Improving governance model

players
 • Introducing standards to ensure quality

Day 3: 12 May 2017

Time	Room A: Urban Planning	Room B: Building India	Room C: Water India	Room D: Transport India	Room E: Solar India	Room F: Smart Village Conclave
1000 - 1130 hrs	<p>Session: Citizen safety</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Safety in urban environment • Emerging challenges to human and national security • Women safety • Smart policing • Law enforcement 	<p>Session: Real estate development</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Overview of the sector • Expected growth • Opportunities for investors • State initiatives • Real estate bill: is it making the difference • Residential real estate vs commercial real estate 	<p>Session: Industry, urban and rural water requirements</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Sectorial water use and misuse • Water quality and quantity • Economic values of water in different usages • Strategies for meeting water requirements 	<p>Session: Parking infrastructure and management for smart cities</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Implementation of the Park & Ride facilities around the public transportation • Technologies to facilitate parking operations • Innovative parking solutions to improve capabilities and monetization • Automated car parks • Importance of parking to reduce congestions in the city • Connected parking systems • Better space utilisation through valued engineering design 	<p>Session: Grid integration- Storage, Big data etc.</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Lack of R&D in renewables and efforts being made in this direction • Innovations in smart grid technologies • Emerging storage technologies and road ahead • Commercial feasibility of storage solutions for grid stability and its impact on solar tariff • Isn't scheduling enough for grid balancing? Have we done our best on this front? e.g- 5 min 	<p>Smart Village Conclave: Bridge the gap between Rural and Urban India</p> <p>People are migrating from villages seeking an improved quality of life, good education, healthcare, electricity, Internet, entertainment options, etc. As this migration poses several challenges, there is need to create smart villages. As a measure, the Prime Minister launched the Shyama Prasad Mukherji Rurban Mission (SPMRM) in February 2016 aimed at making villages smart and growth centres of the nation, and said: "The government aims to combine the spirit of villages and the facilities of</p>

					blocks instead of 15 min blocks, big data	cities." Villages are India's future. Smart Village Conclave 2017 designed to stimulate the discussions and to showcase the solutions for transforming Rural India
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1130-1145 hrs **Networking break**

1145 - 1315 hrs	<p>Session: Solid waste management in cities</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Waste management: current approaches, gaps, solutions • Waste collection, segregation and characterization • Reduce, Reuse, Refuse, Recycle • Landfill management • Swachh Bharath / Clean India programmes 	<p>Session: Emerging trends in real estate</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Moving up the risk curve • Demand and supply of housing • Developers' perspective • Investors' perspective • Start-ups bringing change in the sector 	<p>Session: Viability of Inland waterways transportation</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Vision and Mission • Objectives and targets • Policies • Technological and physical viability • Commercial and operational viability 	<p>Session: Intelligent transport system (Connected vehicles)</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Wireless communications and vehicular networking • Internet of things • Cooperative driving, intelligent and autonomous vehicles • Automotive electronics and automatic control • Manufacturing and product safety engineering • Practices, recommendations and standards • Policy, economics and social 	<p>Session: Grid-connected solar rooftop</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Ways to accelerate solar rooftop in residential areas • How DISCOMs perceive it: Grid connected solar rooftop systems for distribution network • Challenges faced by developers & designers: economic and non-economic such as contract enforcement, change in tenancy, etc. • Best 	
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				<p>implications</p> <ul style="list-style-type: none"> • Impact assessment and benefits • Education, training and awareness 	<p>practices for solar rooftop installations and lessons from other countries</p>	
1315-1400 hrs	Lunch					
1400 - 1530 hrs	<p>Session: Health and the Cities</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Emerging issues in urban environmental health • Age friendly cities • Services and capacity for public health • Climate change and air pollution • Innovation to create self-aware and smart healthy cities • Citizens responsibility in creating healthy cities 	<p>Session: Investment realities in real estate</p> <p>Discussion points:</p> <ul style="list-style-type: none"> • Financing and capital sources • New investment strategies • Opportunistic deals • Emerging funds • Tax efficient investing • Institutional Investors 		<p>Session: Developing a skill driver programme in a smart city</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Problems faced by the drivers in the current road and driving environment • Licensensing • Recognising the needs of vulnerable road users • Understanding of the vehicle anatomy • Understanding of traffic control devices • Driver behaviour • Rules, road regulations & the right of way 	<p>Time: 1400-1445</p> <p>Session: Off-grid solar</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Emerging opportunities in solar off grid sector • Potential of off grid products (solar water heaters/ pumps/ lamps, etc.) • Extension of main grid risk: Grid reaching regions connected by mini and micro grids • Issue of quality and performance standards • Enabling bankability in PV rooftop space • Digitalisation of distributed systems 	<p>Session: Skilling India for global competitiveness</p> <p>Discussion Points:</p> <ul style="list-style-type: none"> • Status and roadmap • Policy framework • Operational aspects and impact • Skill development across key industry sectors • Building scalable, sustainable skill development entities in India • Successful case studies for bridging industry-academia gap

Time: 1445-1530

**Session:
Jobs and
Skills**

**Discussion
points:**

- How good are the various skill development initiatives undertaken by the government: Sauryamitra programme, etc.
- Do we understand the kind of skills needed in the renewable industry? If yes, what are the skills gap in the renewable industry?
- If there are skill gaps, what are the steps needed to be taken by the government and other agencies?
- Employment generation potential of solar in India
- Does India need a strategic

					focus on solar manufacturing sector, to create more jobs?	
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1530-1545 hrs

Networking break

1545-1730 hrs

Smart Cities India Awards 2017

While Indian cities are bracing up for the challenge to enter the next list of Smart Cities, we invite citizens to be a part of Smart City mission. 2nd edition of Smart Cities India Awards 2017 support citizen centric smart city solutions and offers a unique opportunity to showcase products, solutions and services in designing sustainable and resilient cities. The objective of Smart Cities India Awards 2017 is to provide, felicitate and encourage individuals, policy makers, companies, government bodies and associations to design and develop cities they want to live in.

** Programme is subject to change without any prior notice*