दूरसंचार विभाग
DEPARTMENT OF
TELECOMMUNICATIONS
सत्यमेव जयते

National Telecommunications Institute
For Policy Research, Innovation and Training
(NTIPRIT)

Webinar on
Renewable Energy for Telecom Applications
(07.12.2022; Wednesday)

Date: 7th December, 2022
Time: 11:00 Hrs to 13:30 Hrs
Platform: Microsoft Teams

For Registration- Scan QR Code
or
Click: https://tinyurl.com/RenewableTelecom

Once you register, Microsoft Team joining link for the webinar will be sent in your email

About the Webinar

Renewable energy solutions like solar energy, wind energy, fuel cells etc can be deployed to power the telecom towers to achieve energy efficiency in the telecom networks, leading to less carbon emissions and less operational costs. As more and more towers are getting deployed in rural and remote areas, where grid supply remain unreliable and cost of diesel transportation is high, Renewable Energy Technologies are becoming very lucrative choice amongst Telecom Service Providers for powering the telecom towers. The use of Renewable Energy Technologies is one of the most important tools for greening the telecom sector. This webinar deliberates on renewable energy options, international scenario and issues & challenges for deployment of Renewable Energy solutions in the telecom sector.

Webinar Agenda

S N	Session	Duration	Name of Topic and Presenter
1	Inaugural Session	11:00 -11:15 Hrs	**Welcome Address**- Sh Atul Sinha, DDG(Admn), NTIPRIT **Inaugural Address**- Sh Raju Sinha, Director General, NTIPRIT
2	Technical Session-I	11:15 -11:45 Hrs	**Renewable Energy -Introduction & Options for Telecom Sector** *By Dr Nikhil P G, Asst Director, National Institute of Solar Energy & Certified Master Trainer for skill development in Solar sector from Govt. of India*
		11:45 -11:50 Hrs	Question & Answer for Technical Session -I
3	Technical Session-II	11:50 -12:25 Hrs	**Renewable Energy for Telecom- International Scenario** *By Sh. Ashish Garg, Senior Manager, Spectrum & Policy, South Asia, GSMA*
		12:25 -12:30 Hrs	Question & Answer for Technical Session -II
4	Technical Session-III	12:30 -12:50 Hrs	**Enhancing Energy Efficiency for greening of the Telecom sector** *By Sh Sanjeev Banzal, Director General, Education and Research Network (ERNET), India*
		12:50 -12:55 Hrs	Question & Answer for Technical Session -III
5	Technical Session-IV	12:55 -13:25 Hrs	**Renewable Technologies in Telecom- Issues & Challenges** *By Sh Sudarshan KN, Chief Technical Officer, Ascend Telecom Infrastructure Pvt Ltd.*
		13:25 -13:30 Hrs	Question & Answer for Technical Session -IV
6	Closing Session	13:30 -13:35 Hrs	**Closing Session & Vote of Thanks**

Distinguished Dignitaries and Speakers of Webinar

	Shri Raju Sinha, is a senior Indian Telecom Service officer of 1985 batch and presently posted as Director General of NTIPRIT, DoT Government of India. He has worked in various capacities in both the state-owned Telecom PSUs i.e. MTNL and BSNL. He has vast experience of planning of Metro District Network, installation and maintenance. He had planned state of the art FTTH network and WiFi for Hon'ble MPs residences. He has also worked for Smart City project in association with NDMC.
	Shri Atul Sinha is an officer of Indian Telecom Service of the Govt. of India and presently serving as DDG (Admin) in NTIPRIT. He has over 27 years of varied & rich experience in handling almost all aspects of Telecom business/ operations including project management (I&C), O & M, planning/ engineering, TDM-IP migration, technical evaluation, vendor interaction & selection, business case analysis, commercial negotiations & so on. While working on deputation in Bihar State Electronics Development Corporation, he has turned the organization around to profit after it running into losses for 37 years since its inception.
	Dr Nikhil Pattath Gopi is currently working as Assistant Director, National Institute of Solar Energy (NISE), Gurgaon. He has Electrical & Electronics Engineering background and completed his Phd in Solar sector from VIT University. He has nearly 12 years of Industry and Research experience and more than 8 years of experience in the solar field. He has received DST INSPIRE fellowship from Department of Science & Technology. He is a certified trainer of Solar Energy technologies at NISE, Certified Master Trainer of Skill council for green jobs and Master Trainer in Solar sector.
	Shri Ashish Garg is the Senior Manager, Spectrum and Policy, South Asia for the GSMA. Prior to joining the GSMA, Ashish held various positions in the ICT sector including with Reliance Communications, Etisalat, Samsung Networks and industry associations including infrastructure providers. In these roles he was responsible for delivering projects in spectrum management, digital Infrastructure, broadband penetration, sectoral taxation, M2M/IoT etc. Ashish specializes in the field of spectrum management and has a wealth of experience in managing and resolving complex issues including active participation with Government for review of National Frequency Allocation Plans and implementation of WRC decisions at Regional and National levels. Ashish holds a B. Tech degree and a Post Graduate Diploma in Business Management from Narsee Monjee University.
	Shri Sanjeev Banzal is working as Director General of Education and Research Network (ERNET), India. ERNET India is in the field of providing Digital infrastructure and connectivity to the schools, colleges and universities by means of optical fibre, microwave and satellite technology. It is also exclusive domain registry (ac.in, edu.in, res.in etc) for education and research institutes for India. Before joining ERNET, he was working as Advisor with TRAI. He has experience of handling important matters like Unified Licenses, spectrum management for access & Microwave services, MNP matters related to emergency telecommunication, Smart Cities ICT infrastructure etc. He has played a key role in policy formulation in India in these matters. He has more than 30 years of experience in overall ICT Management which includes Telecom regulations, planning, installation, O&M, training, marketing management, Consumer affairs and IT infrastructure provisioning. He holds a M. Tech. degree & have done MBA from Management Development Institute (MDI), Gurgaon.
	Shri Sudarshan KN, an Electrical Engineering graduate, has held regional and corporate responsibilities for over 4 decades in Electrical manufacturing & Telecom Infrastructure development with many Industry giants including long stints with Reliance Infocom multinational Telecom eqpt suppliers. He currently works as Chief Technology Officer with Ascend Telecom Infrastructure Pvt Ltd., handling Technology development, Infrastructure design & delivery, strategic Operations support and Energy management. His achievements in solar PV spans installations of over 2 MW for telecom applications. His areas of activity currently include Renewable support, Intelligent Storage, Energy management Automation, and small capacity vertical turbine wind Electricity generation for telecom applications, in addition to strategic corporate support to Sales and operations.