



Government of India
Ministry of New and Renewable Energy

Webinars on Standards & Quality Control for RE Sector
7-12 June 2021

As part of the Government of India's plan to commemorate 75 years of Indian Independence (Bharat Ka Amrut Mahotsav) by organizing events to celebrate the achievements of the last 75 years, the Ministry of New and Renewable Energy (MNRE), has planned to conduct series of webinars on achievements in new and renewable energy for 75 weeks starting from 15th March 2021. Eight weeks programs have been drawn for Standards and Quality Control activities, which will be conducted during June 2021 to March 2022. The webinars will be addressed by key speakers on the related topics followed by interaction with participants. The timing of the webinars would be 2:30- 5:30 PM.

2. The Standards and Quality Control efforts focus on streamlining standard development and implementation making testing and certification services reliable, efficient and cost effective, and for ease of doing business in the country, and implementation of technical regulation under BIS Act for quality control of SPV Modules, SPV inverters and battery storage used in SPV power projects. The first-week program on Standards and Quality Control being organized during 7-12nd June 2021 will focus on policy and practices in standard development and implementation, including quality infrastructure for quality assurance in renewable energy sector.

3. The objective of these webinars is to share the experiences gained and seek inputs from participants including international agencies for strengthening standards development and quality infrastructure in the country at global level. Participants include experts from R&D/academic institutions, test labs, Standards Development Bodies (both domestic and international), regulatory agencies, conformity assessment agencies, accreditation agencies, policy makers, industries, project developers, financiers, project implementing agencies, etc. The technical program of the First-Week Program of webinars is enclosed at annexure.

4. The participation in these webinars is opened to all who are involved in the subject as mentioned above. The link for participation will be shared with registered participants. The link for registration is given below

Event registration link : <https://forms.gle/JKpsbA1B5iQsuWo96>

(Last date for registration is 7.6.2021)

Annexure

Celebrating Bharat ka Amrut Mahotsava 75 Years of India's Independence

**Government of India
Ministry of New and Renewable Energy**

Webinars on Standards & Quality Control for RE Sector 7-12 June 2021

**First Day 7th June 2021(Policy on Standards Development and implementation)
Time: 14:30-17:00 Hrs.**

Session-I		
14:30- 14:45	Introductory Remarks	Dr. B. S. Negi, Adviser, MNRE
14:45 - 15:15	Standards Development in Renewable Energy Sector	Mrs. Priti Bhatnagar, Scientist-F & Head(Electro-technical), BIS.
15:15 - 15:30	Interaction with participants	
Session-II		
15:30 - 16:15	Impact of Standards on Renewable Energy Market in India	Dr. Y B K Reddy, AGM, SECI
16:15 - 16:30	Interaction with participants	
16:30 - 17:00	Panel Discussion & Concluding Session	Panel: - Dr. Arun Kumar Tripathi, DG, NISE Sh Ashok Rajput, Director, CEA. Dr. Sundar Mayavan, Senior Scientist, CECRI(CSIR), Karaikudi. Sh. Sumuthrirapandi P, AGM(EPD), BHEL, Bangalore.

**Second Day 8th June 2021(Quality Infrastructure for the growth of R E Sector)
Time: 14:30 - 17:00 Hrs**

Session III(2:30-5:00 PM)		
14:30 - 14:45	Introductory Remarks	Dr. B. S. Negi, Adviser, MNRE
14:45 -	Policy Perspective on Conformity	Mr. Avijit Das, Director, NABL,

15:15	Assessment and Accreditation of Test Labs in India	New Delhi
15:15 15:30	-	Interaction with participants
Session -IV (4:00 - 5:30 PM)		
15:30 16:15	-	The role of International Standards and Quality Infrastructure in promoting international trade.
		Mr. Ben Hedley, Senior Programme Manager, Commonwealth Standards Network(CSN), BSI, UK
16:15 16:30	-	Interaction with industry and labs
16:30 17:00	-	Panel Discussion & Conclusion
		Panel:- Dr. Arun Tripathi ,DG, NISE Dr K Balaraman, DG, NIWE Dr. P. Prathap, Senior Scientist, NPL(CSIR), New Delhi Dr. Hendrik Straeter, Scientist, PTB, Germany. Dr Ingo Kröger leader working group "Solar Cells" , PTB, Germany.

Third Day 9th June 2021(Creation of lab infrastructure)

Time: 14:30 - 17:00 Hrs.

Session V (2:30- 5:30)		
14:30 14:45	-	Introductory Remarks
		Dr. B. S. Negi, Adviser, MNRE
14:45 15:15	-	Guidelines for Accreditation of Test Labs
		Mr. Avijit Das, Director, NABL
15:15 15:30	-	Interaction with participants
15:30 16:00	-	Policy framework for approval of Test Labs
		Dr. R K Jha (Scientist-G & DDG(labs)/Shri Manish Kumar, Scientist-E Head(LRMD), BIS.
16:00 16:15	-	Interaction with participants
16:15 17:00	-	Panel Discussion and Conclusion
		Panel: - Prof. B G Fernandes Prof. K Srinivas Reddy, IIT Madras. Shri Sudhir Kumar, Joint Director, CPRI, Bengaluru. Dr. P. Prathap, Senior Scientist, NPL(CSIR), New Delhi

Fourth Day 10th June 2021(Testing and Certification)

Time: 15:00 - 16:30 Hrs

Session VII (3:00- 16:30 hrs)		
15:00 15:15	-	Introductory Remarks Dr. B. S. Negi, Adviser, MNRE
15:15 15:45	-	Policy and Guidelines on Testing and Certification, including granting registration and inclusion for renewable energy products. Smt. Vibha Rani, Scientist-D, BIS
15:45 16:00	-	Interaction with participants
16:00 16:30	-	Panel Discussion and Concluding Session Panel: - Dr. Arun Tripathi, DG, NISE Dr K. Balaraman, DG, NIWE Shri Ashok Rajput, CE, CEA Dr Y B K Reddy, AGM, SECI Industry representative

Fifth Day 11th June 2021(Reliability of testing results)

Time: 14:30 - 17:30 Hrs.

Session VIII (2:30- 5:30)		
14:30 14:45	-	Introductory Remarks Dr. B. S. Negi, Adviser, MNRE
14:45 15:15	-	Calibration and traceability for reliability in measurements in India(SPV Systems) Dr. P. Prathap, Senior Scientist, NPL(CSIR), New Delhi
15:15 16:00	-	International Practices for Calibration and Traceability for reliability in measurements in Solar PV Systems. Dr. Hendrik Straeter, Scientist, PTB, Germany.
16:00 16:45	-	Calibration and Traceability for reliability in measurements of testing of Wind Turbines Shri J.C.David Solomon, Director, Testing & Research Station, NIWE.
16:45 17:00	-	Interaction with participants
17:00 17:30	-	Panel Discussion and Concluding Session Panel:- Prof. B G Fernandes, IIT Bombay Dr. R K Jha (Scientist-G & DDG(labs), BIS Mr Aviji Das, NABL, New Delhi Mr. Suresh Sugavanam, Managing Director, UL, Bangalru. Shri Amit Kumar Mittal, Head

		Operations, Renewables, Mumbai	Radiance
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Sixth Day 12 June 2021(Inter lab comparison of testing results)

Time: 15:00 - 17:30 Hrs

Session IX (3:00- 5:30)			
15:00 15:15	-	Introductory Remarks	Dr. B. S. Negi, Adviser, MNRE
15:15 16:00	-	International practice for Proficiency Testing and Inter-lab comparison of test results.	Mr. Purushotham A. , Technical Manager, TUV Rheinland, Bengaluru.
16:00 16:45	-	Inter lab comparison of test results for wind turbine.	Mr. J. C. David Solomon, Director, Testing & Research Station, NIWE.
16:45 17:00	-	Interaction with participants	
17:00 17:30	-	Panel Discussion and Concluding Session	Panel:- Dr. Arun Tripathi, DG, NISE Prof. Fernadez, IIT Bombay Prof. K Srinivas Reddy, IIT Madras. Mr. Avijit Das, Director, NABL Dr Ingo Kröger leader working group "Solar Cells" , PTB, Germany. Dr. Hendrik Straeter, Scientist, PTB, Germany.