



### Divecha Centre for Climate Change, Indian Institute of Science, Bangalore

Date: August 22 and 23, 2017

Day 1: Tuesday, August 22

### Inaugural Session

0900-0930 Hrs	Registration/Tea
0930-0940 Hrs	Welcome
	Prof. S.K. Satheesh
	Divecha Centre for Climate Change
0940-0950 Hrs	Introduction to the Workshop
	Dr. V. Rao Kotamarthi
	Argonne National Laboratory, U.S.

0950-1005 Hrs Photo session/ Tea Break

### Session I (Chair - Dr. V. Rao Kotamarthi)

1005-1030 Hrs	Policy Brief on Wind in India
	Mr. Jeevan Kumar Jethani
	Ministry of New and Renewable Energy
1030-1055 Hrs	Offshore Wind Development in India- Feasibility Studies
	Dr. M.V. Ramana Murthy
	National Institute of Ocean Technology, Chennai
1055-1120 Hrs	Offshore Wind Power Development in India - Quo Vadis?
	Mr. Harsh Pandit and Mr. Bimlesh Shah
	Suzlon Energy (Offshore), Ahmedabad

# Session II (Chair - Dr. Jim Wilczak)1120-1145 HrsGrid Integration of RenewablesSmt. Jane JoseSouthern Regional Load Dispatch Centre





## Workshop on Performance and Potential of Wind Energy Systems in India



1145-1210 Hrs	"Challenges in Managing Grid with More RE Penetration"
	a case study of Karnataka
	Mr. Chandrashekharaiah S.B.
	State Load Dispatch Centre, Karnataka
1210-1235 Hrs	Wind Energy Integration in Indian Grid-challenges and Potential Opportunities
	Dr. Zakir Rather
	Indian Institute of Technology, Bombay
1235-1300 Hrs	Remote Sensing of Indian Offshore Wind Resources and
	Cost Reduction Pathways
	Mr. Malolan Cadambi
	Greenshore Energy Pvt Ltd
1300-1400 Hrs	Lunch
Session III	
1400-1500 Hrs	Panel Discussion : Wind Potential, Performance and Policy
	Dr. Jim Wilczak, National Oceanic and Atmospheric Administration
	Mr. Chandrashekharaiah S.B. State Load Dispatch Centre, Karnataka
	Dr. M.V. Ramana Murthy, National Institute of Ocean Technology
	Mr. Bimlesh Shah, Suzlon Energy
	Dr. Zakir Rather, IIT, Bombay (Moderator)
	Di. Zakii Ratici, 111, Dollibay (Moderator)
1500-1515 Hrs	Tea Break
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Session IV (Chair	- Dr. Sue Haupt)
1515-1540 Hrs	Forecast Products for Renewable Energy Applications
	Dr. Raghavendra Ashrit
	National Centre for Medium Range Weather Forecasting, Noida
1540-1605 Hrs	Forecasting for Renewable Energy Sector
101010001113	Mr. Amresh Khosla
	Manikaran Analytics Limited
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## Workshop on Performance and Potential of Wind Energy Systems in India



1605-1700 Hrs	Panel Discussion : Wind Forecasting	
	Dr. Sue Haupt, National Center for Atmospheric Research	
	Dr. P. Mukhopadhyay, Indian Institute of Tropical Meteorology	
	Dr. Raghavendra Ashrit,	
	National Centre for Medium Range Weather Forecasting	
	Mr. Krishna Kumar Swaminathan, GE Wind	
	Dr. V. Rao Kotamarthi, Argonne National Laboratory (Moderator)	
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1900 Hrs	Dinner	
Day 2: Wednesday,	, August 23	
Session V (Chair - Dr. P. Mukhopadhyay)		
0930-0955 Hrs	Catching the wind: pathways to realising India's wind targets	
	Mr. Neeraj Kuldeep	
	Council On Energy, Environment and Water, Delhi	
0955-1020 Hrs	Short Range Wind Power Forecasting	
	Dr. Sue Haupt	
	National Center for Atmospheric Research, U.S.	
1020-1045 Hrs	Forecasting and Resource Characterization:	
	Short-term Uncertainty and Inter- Annual Variations	
	Dr. V. Rao Kotamarthi	
	Argonne National Laboratory, U.S.	
1045-1100 Hrs	Tea Break	
1045-1100 1115	Tea Dieak	
Session VI (Chair - Dr. Raghavendra Ashrit)		
1100-1125 Hrs	Wind Forecasting Research at NOAA :	
	Results from Recent On-shore and Off-shore Field Programs	
	Dr. Jim Wilczak	
	National Oceanic and Atmospheric Administration, Boulder, U.S.	







1125-1150 Hrs	Recent initiatives of high resolution forecasting wind and solar energy generation Dr. P. Mukhopadhyay
	Indian Institute of Tropical Meteorology, Pune
1150-1210 Hrs	Role of Offshore   Onshore Wind Energy : Towards 100% Renewables
	Mr. Vinayak Mamodkar ILAB-E Renewables Pvt Ltd
Session VII (Chair -	Dr. Raghavendra Ashrit)
1210-1235 Hrs	Wind Potential and Offshore wind
	Mr. J. Bastin
	National Institute of Wind Energy
1235-1300 Hrs	Grid integration of vRE under Green Energy Corridors initiative in India
	Dr. Indradip Mitra
	Indo-German Energy Program
1300-1400 Hrs	Lunch
Session VIII (Chair -	- Prof. S.K. Satheesh)
1400-1425 Hrs	Wind Forecasting Digital Twin
	Mr. Krishna Kumar Swaminathan
	GE Global Research
1425-1445 Hrs	Impact of Spatial Variation in Wind Generation of Karnataka
	Ms. Anasuya Gangopadhyay
	Divecha Centre for Climate Change
1445-1515 Hrs	Concluding Session

