COBENEFITS

Schedule for the 2-day COBENEFITS Training, IN_4: Social and economic opportunities (co-benefits) of renewable energy for India – **Sustainable Power System Planning**
19 – 20 August 2019, REC Institute of Power Management and Training (RECIPMT), Hyderabad

Supported by:
Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
based on a decision of the German Bundestag

Time	Monday 19 August 2019	Tuesday 20 August 2019
09.00 - 10.30	**Check-in, project overview and socio-economic co-benefit assessment for India**	**Deep Dive: Advanced power system planning (AIPSP) methodology**
	▪ Introduction round / Ice-breaker ▪ The Co-benefits project (consortium, team, approach) ▪ Overview: climate/economic /environmental/ social co-benefits ▪ Co-benefits priorities in India: employment, air quality/health ▪ What to expect from the training?	*Refresh the main results from previous day* *Intro (20 min)* AIPSP objectives and co-benefits ▪ AIPSP methodology *Discussion on opportunities using AIPSP in India*
Lecturer	Cecilia Strandberg (Renewables Academy - RENAC)	Dr. Atom Mirakyan (Tractebel Engineering)
10.30 - 10.45	*coffee break*	*coffee break*
10.45 - 12.15	**Deep Dive: Integrated power system, its transition and planning**	**Planning tools for integrated power system planning**
	Intro (20 min): ▪ Integrated power system ▪ Power system transition and planning ▪ Power system in India *Group work and discussion about power system transition in India* ▪ Participants split in 3 groups to develop their own possible power system development paths in India *Presentation:* All 3 groups present their results	*Refresh the main results from previous day* *Intro (20 min)* ▪ Planning tools implemented in the integrated power system planning ▪ Consideration of co-benefits in the planning tools *Demonstration and use of selected planning tools*
Lecturer	Dr. Atom Mirakyan (Tractebel Engineering)	Dr. Atom Mirakyan (Tractebel Engineering)
12.15 - 13.45	*lunch break*	*lunch break*
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13.45 - 15.15	**Deep Dive: Indicators and co-benefits in power system planning**	**International practices in power system planning**
	▪ Energizer (RENAC) *Intro (20 min)* ▪ Indicators and co-benefits ▪ International praxis using indicators *Group work on building an expected set of indicators and co-benefits for India* ▪ Participants split in 3 groups: ▪ Each group develops their own possible set of indicators and co-benefits for India *Presentation:* ▪ All 3 groups present and discuss their developed set of indicators	▪ Energizer (RENAC) *Refresh the main results from previous day* *Intro (20 min)* ▪ Consideration of co-objectives in the international planning studies ▪ Methodological steps and implemented tools ▪ Results of some studies and comments *Detailed analysis of selected international studies*
Lecturer	Dr. Atom Mirakyan (Tractebel Engineering)	Dr. Atom Mirakyan (Tractebel Engineering)
15.15 - 15.30	*coffee break*	*coffee break*
15.30 - 17.00	**Traditional power system planning (TIPSP) methodology**	**Wrap-up, outlook and evaluation**
	Refresh the main results from previous day *Intro (20 min)* TIPSP objectives and co-benefits ▪ TIPSP methodology *Review and discussion on TIPSP in India*	▪ Summary of training and next steps Key take aways / learnings ▪ Next steps: Outlook of forthcoming activities: studies, round tables, online, trainings and conference ▪ Seminar evaluation and certificates
Lecturer	Dr. Atom Mirakyan (Tractebel Engineering)	Cecilia Strandberg (RENAC)
17.00	**End of day 1**	**End of training: 16:30**

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