



Western Norway  
University of  
Applied Sciences



Norwegian Embassy



Norwegian innovation and investment  
delegation to Sri Lanka

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Programme

## Sunday 6. May

Time	Venue	Programme
13.00	Jetwing Colombo Seven <a href="http://www.jetwinghotels.com/jetwing-colomboseven/">www.jetwinghotels.com/jetwing-colomboseven/</a>	Sightseeing in Colombo

## Monday 7. May

Time	Venue	Programme
Morning	Galle	Guided tour to Galle Fort in the South of Sri Lanka: <a href="http://www.lonely-planet.com/sri-lanka/the-south/galle">www.lonely-planet.com/sri-lanka/the-south/galle</a>
		Annual project meeting at the Norwegian Embassy (concerns the project committee only)

## Tuesday 8. May - Meetings with enterprises

Time	Venue	Programme
08:30		Depart from hotel
09:00	Level 15, NDB-EDB Tower, No. 42, Nawam Mawatha, Colombo 02.	Meeting with Ms. Amena Arif, IFC Country Head for Sri Lanka and Maldives And Mr. Kamal Dorabawila, Sector lead - Renewable Energy
10:30		Depart for CEB
11:00		Meeting with Mr. Kariyawasam, Deputy General Manager, Transmission, Ceylon Electricity Board
12:30		Break for lunch
14:00		Depart for PUCSL
14:30		Meeting with Mr. Gamini Sarathchandra, Director - Environment, Renewable and Efficiency, Public Utilities Commission of Sri Lanka
15:30		Depart for SLSEA
		Meeting with Mr. Sepala, Director General and Mr. Wimal Nadeera, Deputy director general - supply side management / renewable energy, Sustainable Energy Authority
16:00	Nikini Automation	Private sector company visit

# Clean Energy Seminar

## Establishment of Norway- Sri Lanka research consortium on Clean Energy Technologies

9th of May 2018, JetWing, Colombo, Sri Lanka

Both Norway and Sri Lanka have committed to a decrease in CO<sub>2</sub> emission, and both have long term plans to increase the share of clean energy technologies to tackle future energy demands. Research and higher education institutions and research groups in Norway and Sri Lanka have greater focus on clean energy technologies, and public interest and private investments are on the rise in both countries.

Under the NORPART (Norwegian Partnership Programme for Global Academic Cooperation) program managed by the Norwegian Centre for International Cooperation in Education (SIU), Western Norway University of Applied Sciences (HVL) has recently signed a MoU on higher education and research collaboration with University of Jaffna (UoJ), Sri Lanka in clean energy technologies. Other institutions, such as the University of Bergen (UiB) and the University of Agder (UoA) from Norway and the University of Peradeniya (UoP) from Sri Lanka are also included as partners in this project.

For research on innovative clean energy technologies to result in solutions for practical applications, it is of utmost importance that the private sector and the research institutions work together. In 2017, Royal Norwegian Embassy in Colombo funded a new project led by HVL to establish a

research consortium on clean energy technologies that includes both higher education and research institutions and the private sector in Norway and Sri Lanka. As the first step to achieve this goal, a Norwegian-Sri Lankan Clean Energy Seminar is arranged in Colombo on 9 May 2018, in collaboration with Sri Lanka Energy Managers Association (SLEMA) bringing together the academia and the private sector.

The main objectives of this clean energy seminar are four-fold:

1. To establish an arena to present the Norwegian and Sri Lankan private sector working on clean energy technologies such as solar, wind and hydrogen
2. To facilitate a meeting place for the academia and private sector in the field of clean energy technologies from both countries that would lead to the establishment of a sustainable research consortium
3. To obtain in-depth knowledge on the energy regulative measures and policies in Sri Lanka
4. To facilitate and motivate the private sector and Universities from Norway and Sri Lanka to initiate future partnerships including joint-ventures

# Wednesday 9. May - Seminar on Clean Energy Technologies

Time	Venue	Programme
08.30 - 09.00	Jetwing hotel Colombo	Registration for Seminar on Clean Energy Technologies
<b>09.00 - 10.40</b>		<b>Inaugural session</b>
09.00 - 09.05		> Lighting the Traditional oil Lamp
09.05 - 09.15		> Welcome Address & Opening Remarks
09.15 - 09.30		(by SLEMA)
09.30 - 09.40		> Introduction & Objective
09.40 - 09.50		> Possibilities & Opportunities in SL
		> Rector Berit Rokne, Rector, Western Norway University of Applied Sciences (HVL)
09.50 - 10.00		> Prof. Wigneswaran, Vice Chancellor, University of Jaffna
10.00 - 10.10		> Address by The on. Ambassador, Thorbjørn Gaustadsæther
10.10 - 10.25		> Address by Chief Guest – Hon. Ajith P Perera – State Minister : MOP&RE)
10.20 - 10.40		> Short project related Video clip (if available)
10.40 - 11.00		Tea break
<b>11.00 - 12.30</b>		<b>Session 1 – Solar PV (Session Moderator – Dr. Tilak Siyambalapitiya)</b>
11.00 - 11.15		> Empower New Energy /Scatec – Mr. Terje Osmundsen Empowering decentralized renewables: Innovative financing solutions
11.15 - 11.25		> Saga Energy – Mr. Jan Erik Vikesaa
11.25 - 11.35		> Rec Solar/ Elkem Solar – Mr. Torgeir Ulset
11.35 - 11.45		> Solbære – Ms. Simona Petroncini,
11.45 - 11.55		> Solpluss – Mr. Yngvar Sætorp,
11.55 - 12.05		> Current Solar – Mr. Inge Vikesdal
12.05 - 12.15		> Norsk Solar – Mr. Arvid Solheim
12.15 - 12.20		> Q&A

# Wednesday 9. May

Time	Venue	Programme
12.30 - 13.45		Session 2 - Wind, Hydrogen and Fuel cell (Session Moderator – Prof. Rahula Attalage)
12.30 - 12.40		> Maritim Forening Sogn og Fjordane/ GCE Subsea – Mr. Trond Strømgren
12.40 - 12.50		> GreenStat – Mr. Tore Solheimslid,
12.50 - 13.00		> Prototech AS – Ms. Crina Silvia Ilea,
13.00 - 13.10		> WindSim – Mr. Arne Gravdahl,
13.10 - 13.20		> GEXCON – Mr. Sturle Pedersen,
13.20 - 13.30		> GK – Mr. Dahl, Johannes Skorpen
13.30 - 13.40		> Q&A
13.40 - 13.45		> Closing Remarks and Vote of Thanks. Prof. Atputharaja, Univ. of Jaffna
13.45		Lunch
14.30		Private meeting between enterprises and the Sri Lankan Ministry of Finance
18.30-20.00		Reception by the Norwegian Embassy

# Thursday 10. May - Travel to Jaffna

Time	Venue	Programme
07.00	Jetwing hotel Colombo	Departure to Jaffna with bus
14.00	Kilinochchi, Faculty of Engineering, University of Jaffna	Arrival and introductions
14.15	Seminar hall	Brief overview of visit objectives and research and development carried out in Faculties of Engineering and Technology, UoJ.
14.35	Seminar hall	Presentation by Norwegian companies (8-10 slides)
14.50	Seminar hall	Brief overview of the departments at the Faculty of Engineering and Science, HVL and The Department of Physics and Technology, UiB.
15.05	Seminar hall  Tea and refreshment will be served in packs during the seminar hall event from 3:00pm till 3:30pm)	Discussion on possible collaboration between Norwegian Industry, HVL, UiB and staff from the Faculties of Engineering and Technology at UoJ. Focus on the following sections: <ul style="list-style-type: none"> <li>&gt; R&amp;D work with the Norwegian private sector. Funding for some research students scholarship where research is done in Sri Lanka to solve the Norwegian industry problems.</li> <li>&gt; Student and staff Exchange</li> <li>&gt; Possible Memorandums of Understanding (MOU).</li> </ul>
15.30	Site visit	Visit a few research laboratories in the Departments of the Faculty of Engineering and the roof top grid connected solar pilot power plant.
16.20	Site visit	Visit the Renewable Energy park and solar measuring station (Dr. Ahilan), 5kW grid connected Wind turbine (Prof. Atputharajah), biomass dryer (Dr. Anburuvel)
17.00	Site visit	Visit the Kilinochchi premises to see other facilities (optional)
17.20	Entrance of the Kilinochchi premises	Summing up and departure for Jetwing hotel Jaffna.

## Thursday 10. May - Or remain in Colombo

Time	Venue	Programme
tbc	tbc	<p>Meeting with:</p> <ul style="list-style-type: none"><li>&gt; ADB – Sector lead (Energy) - Mr. Ranishka Wimalasena</li><li>&gt; National Agency for Public Private Partnership – Mr. Thilan Wijesinghe, CEO</li><li>&gt; Minister of Finance, Mangala Samaraweera – he proposed the 2018 budget as the ‘blue/green economy’</li><li>&gt; Ceylon Chamber of Commerce – Mrs. Dhara Wijethilaka, CEO</li></ul>



# Friday 11. May - Opening ceremony at the University of Jaffna

Time	Venue	Programme
09.00	Department of Physics, Faculty of Science, University of Jaffna	Arrival of Guests
09:10		Welcome address by Prof. P. Ravirajan, HRNCET & CBERC Project Coordinator / UoJ
09.15		Overview and Progress of the Project by Prof. V. Dhayalan, HRNCET & CBERC Project Coordinator /HVL
09.30		Opening the Clean Energy Research Laboratory (CERL)
09.45		Tea Break (viewing the best Posters on CETs by school students)
10.00		Address by Prof. R. Vigneswaran, Vice-Chancellor/UoJ
10.10		Address by Berit Rokne, Rector/HVL Launching the Website of the '1st Inter- national Conference on CETs'
10.15		Address by the Guest of Honour Prof. Mohan De Silva, Chairman/UGC Releasing the Curriculum of Master degree programme in CETs
10.20		Research Experience of Staff and Stu- dent under HRNCET (NORPART mobility programme) > Prof. Gamini Rajapakse, Senior Professor in Chemistry, University of Peradeniya > Siva Uthayaraj, UoJ and Asitha Udyanaga, UoP
10.40		Short video presentation on 'Educa- tional Training programme on CETs for School students' conducted in Jaffna District Award winning documentary on CETs by school students

# Friday 11. May

Time	Venue	Programme
11.00	Department of Physics, Faculty of Science, Uni- versity of Jaffna	Address by Prof. (Mrs.) M. Senthilnan- thanan, Coordinator/ Outreach Activities – CBERC Project
11.05		Address by the Assistant Director of Edu- cation (Science), Northern Province
11.10		Address by Sidsel Holmberg, Advisor NORPART/SIU
11.15		Address by Prof. Øyvind Frette, Head of Institute for Physics and Technology, University of Bergen, Norway
11.20		Distribution of Certificates and prizes to the Winners of the Educational Training programme on CETs
11.35		Address by His Excellency Thorbjørn Gautstadsæther, Ambassador of the King- dom of Norway to Sri Lanka Releasing the Handbook on CETs
11.50		Vote of Thanks by Dr. Kristin Fanebust Hetland Member/Advisory Board and Head/Department of Computer Science, Mathematics and Physics, HVL
12.00		Lunch
tbc		Departure for Jetwing Lake, Dambulla: <a href="http://www.jetwinghotels.com/jetwinglake">www.jetwinghotels.com/jetwinglake</a>
		Stop over and lunch at Pinnawela Elephant Orphanage, Anuradhapura Ancient site.

## Saturday 12. May

Time	Venue	Programme
Morning		Visit the end users Jetwing, Visit Solar Installations
		Departure for Jetwing Negombo

## Sunday 13. May

Time	Venue	Programme
tbc		Departure for the airport

