

**DRAFT SPEECH FOR
MDM. BADRIYAH HJ ABD MALEK
CHIEF EXECUTIVE OFFICER OF
SEDA MALAYSIA**

**FOR THE OPENING CEREMONY OF
THE INTRODUCTION TO SMALL HYDRO TECHNOLOGY –
FEASIBILITY STUDIES, PLANT DESIGN, AND OPERATION &
MAINTENANCE ISSUES FOR ENGINEERS COURSE**

**Venue: Kinta Riverfront Hotel & Suite, Room 6C, Tingkat 6, Jalan
Lim Bo Seng, 30000 Ipoh, Perak
24th September 2012**

His Excellency Željko Bošnjak, Ambassador of the Republic of Croatia to
Malaysia

Y.Bhg. Dato' Samsudin Hashim, CEO Perak State Development
Corporation,

Mr. Enis Arnaut, General Manager (Renewable Energy), Perak Hi Tech
Park.

Y. Bhg. Datuk-Datuk,
Distinguished Guests,
Ladies and Gentlemen.

Assalamualaikum w.b.t.,

Salam Sejahtera dan Salam 1Malaysia.

1. First and foremost, I wish to extend a very warm welcome to all of our distinguished guests and participants to the first Small Hydro Power Plant Training Programme organized by SEDA Malaysia in collaboration with Perak Hi Tech Park (PHTP) and Brodarski Institute Croatia. This training program is one of the capacity building programmes underlined below the Thrust 2 of the National Renewable Energy Policy and Action Plan. It also supported by PEMANDU under one of the Strategic Reform Initiatives (SRIs) – Human Capital Development identified through the Economic Transformation Programme (ETP).

2. The objective of this training programme is to give an introduction to small hydro technology including to:
 - Understand the operation of hydraulic features and equipments;
 - Design the small hydro systems;
 - Understand the operation and maintenance of the small hydro systems; and
 - Experience and get the updates of the small hydro technology issues and its solutions.

It is hoped that with this kind of training, we will be able to build our local capacity in small hydro technology in order to further develop the local industry.

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3. Up to 31 Ogos 2012, 11 small hydropower FiT applications with a total capacity of 65.75MW was approved by SEDA Malaysia. It is estimated that 1,084 jobs that can be created from these approved capacity. It is expected that FiT applications for small hydro power plants to be commissioned in 2014 - 2015 will increase when the quota is opened for application since its construction will take approximately 36 months. Therefore, this kind of programme is crucial to ensure that we are prepared to fulfil the demand of the local RE industry including the small hydro power sector which is projected to expand rapidly due to the implementation of the FiT Mechanism in the country.

4. We hope that, this training I would able to produce as much small hydro experts within the country. I believe this is possible as we,

through our partner - PHTP have brought in a credible technology partner in this programme which is the Brodarski Institute of Croatia. This institute are well-known for its competencies in overall hydro plant design, especially the water intake, storage, penstock, and related hydro technology.

5. A collaborative agreement has been undertaken by PHTP with this institute to establish the “Hydro Power Technology Centre” (HPTC) in the Park. The project, set to begin in early 2013, should see the construction of high-technology R&D, Training and Certification Technology Centre which will establish a well-equipped training centre to run this training programme. In the long run, we hope that HPTC will be able to expand its collaboration with local universities and also be able to attract participants from around the region.

6. We also anticipate that with this training and capacity building programme, our small hydro potential can be fully optimized and developed in a sustainable manner to ensure minimal degradation to the environment. This is important as hydro power development is always closely related with the natural environment.

7. In a broader perspective, SEDA Malaysia is also planning to establish training centres for other RE resources in collaboration with other potential credible institutes in the country. For your information, at the moment, two (2) Solar PV training centres have been established in collaboration with Universiti Teknologi Mara (UiTM) and Selangor Human Resource Development Centre (SHRDC). We hope with the establishments of these training centres we are able to build our local capacity for us not only to be able to serve the country's needs, but also extend our expertise in the RE field to our neighbouring countries.

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8. I believe some of you here are also RE players and I would like to take this opportunity to inform you regarding the newly enhanced e-FiT System. At the moment, SEDA Malaysia is organizing roadshows to a few states to several states starting with Putrajaya which was done on 18th September 2012 and will soon include Penang and Terengganu. This road show is to inform the

stakeholders and the public on the enhancements that we have made to the e-FiT online System and the process and procedures of feed in tariff or FiT application. Those interested can visit our website and register for the workshop. If you have missed the previous workshop, some of the new features in the e-FiT System includes the:

- a. Requirement of detailed engineering design submission in a CD and the hardcopy;
- b. New supporting document requirements for Applicants;
- c. Limit of 1 application per day per Applicant ;
- d. Use of Unique Parcel Identifier (UPI) for identification of Project site;
- e. Proof of Project Site Ownership Information;
- f. Capacity Applicant to raise equity up to 5% of Project Cost
- g. Delayed Online Declaration ; and
- h. Controlled Work plan for all proposed Project Milestones.

These enhancements are being done to ensure the e-FiT Online System is more robust, user-friendly and always relevant to support the development of our local RE industry.

8. I would also like to take this opportunity to invite all of you to ISES 2012 which will commence from 7- 8th November 2012 at Putrajaya Marriott Hotel. The two days event themed “Empowering Nations via Sustainable Energy” is the initial step forward by SEDA Malaysia to engage local and foreign stakeholders for a continuous awareness and capacity development on renewable energy and energy efficiency. I look forward to see you again at the ISES 2012.

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9. We wish to thank you for participation today and I hope the training programme will be able to provide all of you with useful knowledge and information regarding all aspects of small hydro power plants. Last but not least, I wish to thank all parties who have contributed towards the successful implementation of this training programme and I would like to record my appreciation to PEMANDU which has supported this program and making it possible to happen for us.

Finally I wish you will have a fruitful session today. Thank you and wassalam.

SEDA Malaysia

September 2012