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Electricity Distribution Management

SWEDEN
REGIONALMALMÖ AND STOCKHOLM: AUGUST 25 – SEPTEMBER 19, 2008
AFRICA: APRIL, 2009www.edm2008.com

Invitation

The Swedish International Development Cooperation Agency (Sida) is a government agency responsible for the major part of Sweden's development cooperation. Focus on long-term knowledge and competence development constitutes a major feature in all development cooperation.

Sida offers, as part of its bilateral development assistance, Advanced International Training Programmes of strategic importance to the social and economic development of cooperating countries based on identified priorities and needs. In the long-term perspective the programmes shall contribute to institutional strengthening and capacity development in the cooperating countries.

These programmes aim at enhancing managerial and technical skills and cover subjects of strategic importance to economic and social development. The Training Programmes are designed for experienced executives in middle and top management positions in their respective organisations.



Göran Holmqvist
Acting Director General
Sida

With the Training Programmes, Sida aims to contribute to processes of change and development in the participants' organisations and lines of businesses. The foundation of the entire programme is a project assignment. The assignment shall be well established in the participant's organisation and is a basic part of the programme concept.

Within the energy sector, Sida supports efforts to improve the energy situation in countries where the population is lacking safe, cost efficient and suitable energy. Sida also promotes efforts to develop efficient and sustainable energy systems.

There is an extensive knowledge of electricity distribution in Sweden. Sweden has vast sparsely populated rural areas, which have been fully electrified. Sweden was one of the pioneers in the world of fully deregulate the electricity market, where generation, transmission and distribution are managed by state, private and municipally owned companies.

Sida has entrusted Grontmij International AB in cooperation with ÅF-Process AB with the task of carrying out the programme, which will be conducted in English.

We trust that you will find the training programme of interest and we hereby invite you to nominate candidates.

Women are encouraged to apply.

Programme Objectives

- To provide know-how in the field of electricity distribution, including rural electrification, covering financing, management and technical questions.
- To create awareness of integrated approach towards electricity distribution in relation to energy supply, country planning, environmental aspects and socio economy.
- To transfer Swedish experience and Swedish technology to the participants' countries
- To establish stable human networks and partnership mutually between participating countries and with Sweden
- To establish Change Projects to:
 - Contribute to a sustainable electricity distribution from technical, environmental and economical point of view.
 - Contribute to better availability of electricity.

The Projects shall be realistic in scope, be possible to duplicate or be a part of a strategy.

Contents

Important in the programme is a Change Project, which the partici-

pants shall be able to implement in his/her home country. The participants will be provided support from mentors for their Change Projects. The support will be given throughout the programme. See below under Programme Structure!

The focus of the programme will be on electricity distribution, but areas related to transmission and national system planning and small scale generation will be presented.

Basis for the programme will be:

- The role of electrification for regional development
- Rural electrification
- Energy efficiency
- Sustainable development
- Poverty perspective
- Environmental aspects
- Organisational development
- Privatisation and de-regulation of electricity markets
- Businesslike performance

The programme in Sweden will include the following main subjects: Basic overview of the energy field: Electricity distribution, International trends, Kyoto protocol, Privatisation and deregulation of electricity markets

Tools for follow-up: Life cycle

analysis, Quality of supply, Risk analysis, Environment and socio economy in investment and maintenance

Technical solutions for existing and future systems: System balance, Cost efficient and robust systems, DSM and loss reduction, GIS, Metering solutions, Small scale local generation

Organisation of electricity distribution: Business planning, Strategic planning, Management, Local distribution utilities (like cooperatives), Marketing, Customer service, Maintenance

Businesslike conditions and market: Actors in the electricity markets, National system responsibility, Pricing, Financing incl. subsidies, Local isolated networks, Demand analysis and load forecasting models, Strategies for electrification, Customer service, Invoicing of customers

Participation processes: Models for stakeholder analysis, social marketing, gender planning

Strategic choice of development for an efficient and long term electricity supply: Methods and criteria for selection of projects, Strategies for rural electrification, Criteria for sustainable elec-

tricity supply, International financing and procurement rules, Consequence analysis for projects

Mentor support to the Change Projects: Support in groups

The regional seminar will have its focus on the Change Projects, but additional training can be provided within the above areas. The detailed contents will depend on the needs and desires identified by the participants during the programme in Sweden.

Programme Structure

Date and place

The programme will be divided into five phases:

- (1) The participants prepare their change projects. Mentor support provided from Sweden.
- (2) Training programme in Sweden between 25 August and 19 September 2008.
- (3) The participants work with their change projects during 6 months. Mentor support from Sweden.
- (4) A follow-up regional seminar in one country in Africa during one week in April 2009.
- (5) The participants finalise their change projects during one year. Mentor support from Sweden.

Three of the four weeks in Sweden will be held in Malmö and one week in Stockholm.

Information about the exact location for the programme in Africa will be given later.

Teaching

The training will include different methods of instruction, such as lectures, exercises, group discussions, study visits and project work. Mentor support will be provided for the Change Projects. The support will be given at distance during phase (1), (3) and (5).

Management and staff

The programme is carried out under the management of Grontmij in cooperation with ÅF. Also KTH has an important role in the programme. The lecturers in the programme have considerable experience in the management of electricity distribution in Sweden, but also in other countries.

Participation

Target region:

Africa

Target group

Only candidates nominated by the appropriate organisation and in accordance with local rules will be accepted.

Women are encouraged to apply.

The program will promote more than one candidate per country, representing different actors, with the aim to develop a network for a change project.

Candidates are expected to show promising career prospects and have obtained a degree from technical, economical or similar faculty.

The programme is addressed to candidates from:

- Organisations acting in the field of sustainable supply of energy, e.g. network operators, electricity cooperatives, contractors, NGOs, etc.
- The private sector, e.g. power companies.
- Governmental energy and development organisations.

The participants will attend the programme in their individual capacities, but representing their home organisations and countries. The participants will attend the training programme in accordance with the schedule prepared by the host authorities and shall comply with the rules and regulations laid down for their training.

The participants as well as their Change Projects shall be promoted by their organisation.

The participants are expected to participate actively in the training programme, primarily with their Change Projects.

Priority will be given to applicants who earlier not have participated in Sida's international training programs in Sweden.

Due to the character of the programme family members are not allowed to accompany participants to the programme.

Language requirements

The programme will be organised and conducted in English and consequently a high proficiency in the English language is required. Candidates with other mother tongues will

have to certify their proficiency in English.

Application Process

**Closing date for application is
April 15, 2008.**

Applications submitted after closing date will not be considered.

The application shall be written on the special form attached and include a recent photograph and required information and documents.

The application must include a description of a Change Project, which the applicant can work with during the programme from June 2008 to April 2010. It shall be realistic to implement the project before the end of the programme. The Change Project as well as the application itself must be approved by the organisation / institution / company of the applicant.

When necessary, the application should be approved by the official nominating authority in the country.

An English language test should be made with an official body in the home country unless the applicant can provide other documentation to support her/his ability. The Swedish Embassy/Consulate does not carry out language tests of the applicant, but may be able to recommend appropriate language institutes for conducting tests.

The application shall be submitted to the nearest Swedish Embassy / Consulate.

If there is no Swedish Embassy / Consulate in the applicant's country, the application can be submitted directly to the Program Secretariat.

All applicants will be notified by e-mail or telefax before the end of May 2008. Selected applicants must confirm participation. An invitation letter will be sent out, containing additional information on the programme and the practical arrangements.

Cost of Participation

The cost of the programme is divided between a participation fee and accommodation cost. The participation fee covers all training costs such as lectures, literature, documentation, study tours and certain social

activities as well as accommodation costs. Sida will cover these costs.

International travel costs to and from Sweden are not covered by Sida.

The participant carries costs incurred in travelling to the nearest international airport.

Sida pays international travel costs in connection to the regional seminar in Africa.

Personal expenses are not included.

For study visits, which are part of the training programme, transport will be arranged. All other local travels are carried out at the participant's own expense.

Accommodation

Each participant will have a single room with bath and/or shower throughout the programme in Sweden as well as during the regional programme. All participants will be accommodated in the same hotel.

Visa

Participants are responsible for obtaining all visas necessary for their journey and stay during the training programme. The visa shall be valid for the whole period of the pro-

gramme and the passport shall be valid for three months longer than the entry visa. Inquiries should be directed to respective Swedish Embassy / Consulate alternatively other Schengen representations as soon as possible after acceptance into the programme. Participants visiting other countries on their way to or from Sweden must ensure that correct visas are obtained before leaving home country, especially for countries not included in the Schengen agreement.

The costs for obtaining visas are carried by the participant.

For more information, this website offers Swedish visa information:

<http://www.migrationsverket.se/english.html>

Participants are also responsible for obtaining all visas necessary for their journey and stay during the regional phase of training programme.

Location for regional phase will be decided after selection of participants.

Insurance

All participants are covered by a group insurance while in Sweden, on organised tours during the programme and during the regional sem-

Contact information

The address for all communication is:

Programme Issues:

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See our homepage

<http://www.edm2008.com>

for more detailed information regarding this training programme. Copies of the application form can be downloaded direct from our homepage. The form can also be ordered via our e-mail addresses.

Grontmij International AB (www.grontmij.se/international)

Grontmij is a part of the Dutch Grontmij Group, with a total of 7000 consultants, which is the fifth largest technical consultancy group in Europe. Grontmij in Sweden employs 850 consultants in 25 offices throughout the country.

Grontmij provides sustainable solutions within the following areas: Energy, Water, Environment, Waste, Building, Transport, IT, Industry, Management and Finance, Safety and Security. We combine multidisciplinary and cross-sector capabilities in order to offer our clients intelligent solutions, with which the challenges of sustainable development can be met.

Grontmij International AB co-ordinates and handles all the international assignments of Grontmij in Sweden.

ÅF-Process AB (www.afconsult.com)

Within the ÅF-Group international projects funded by development aid are administered via ÅF-Process.

As we see it, the world is full of opportunities. Opportunities to make industrial production more efficient. To create more user-friendly and reliable solutions. To develop new systems and products more quickly. To conserve energy better. To make the world more environmentally sound. There are opportunities for business, industry, municipalities, government authorities and international development cooperation organisations. Together we are approx. 3800 consultants - each one a specialist in his or her field.

KTH (www.kth.se)

The Royal Institute of Technology (Kungliga Tekniska Högskolan), KTH, is responsible for one-third of Sweden's capacity for engineering studies and technical research at post-secondary level. The university has over 12 000 undergraduate students, 1600 active postgraduate students and a staff of 3000 people. The division of Electric Power Systems offers education concerning technical and economical analysis of local, regional and transnational electric power systems. The research includes projects on reliability, power system control, electricity market, wind power integration, rural electrification, hydro power operation, High Voltage DC and power system stability analysis.

inar. This insurance includes costs for medical care in the event of acute illness or accident. Medical and dental check-ups are not included.

Halving poverty by 2015 is one of the greatest challenges of our time, requiring cooperation and sustainability. The partner countries are responsible for their own development. Sida provides resources and develops knowledge and expertise, making the world a richer place.



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