

TERMS OF REFERENCE

Contract	Waste Management Policy Advisor		
Project	Nepal: Compact Fluorescent Lamp Distribution Program		
Expertise	Waste Management Policy Advisor		
Source	International	Category: Individual	

Objective/ Purpose of the Assignment:

The proposed Nepal: Energy Access and Efficiency Improvement Project Consists of six (6) Investment components and one component of provision of experts services. They are:

- (i) Transmission network capacity Augmentation
- (ii) Distribution network capacity
- (iii) Generation rehabilitation
- (iv) Distribution network loss reduction
- (v) Energy efficient Lighting
- (vi) Solar-powered street-lighting
- (vii) Implementation support for (iv) and for distribution public private partnerships (PPP)

An International consultant with expertise on energy efficiency (EE) policy development and implementation is required for the CFL distribution program component.

Scope of work:

The Waste management Policy adviser (International consultant) will conduct a policy and market study on lamp waste management as part of ADB's overall assistance in the development and implementation of CFL distribution program for Nepal. He will report to and work closely with NEA and coordinate with stakeholders in the conduct of the study.

Detail Tasks:

The activities of the consultant will include but not limited to the following:

- (i) Task 1-Policy and Market Assessment**
 - a. Review existing policy documents (i.e. laws and regulation, government decrees, etc.) on energy efficiency, waste management, or other topics that can provide basis for the development of policies on lamp waste management;
 - b. Analyze various market segments and stakeholders that will potentially become player in a lamp waste industries either as beneficiaries or service provider ;
 - c. Together with the CFL program implementation consultant, quantify market size and volume of lamp waste generated and develop a profile of waste sources—all mercury –containing fluorescent lighting products i.e. linear, tubular, compact, etc.;
 - d. Identify successful policy initiative, if necessary, in lamp waste management in developing countries that may serve as examples for Nepal;
 - e. Identify other factors that will both encourage and hinder the market of mercury recycling (e.g. anticipated competition, government policy and regulation, permits, taxes, other legal requirements, etc.); and
 - f. Perform interviews with concerned government agencies and key stakeholders in support of subtask “a” and “b”.
- (ii) Task 2- Strategy Development**
 - a. Recommend policy and regulatory measures to encourage lamp waste management;

- b. Develop strategies and options for lamp waste management specific to Nepal, and determine the potential to the implement such (i.e. lamp waste disposal systems, mercury recycling facilities, etc) including identification of potential funding sources and/or agencies ; and
- c. Perform interviews with concerned government agencies and key stakeholders in support of “a” and “b”.

The consultant will produce the following out puts under this assignment :

- (i) report on the policy and market study for lamp waste management in Nepal which outlines final project scope and all task output under this assignment with complete attachment;
- (ii) Mission reports (when applicable);
- (iii) Draft report; and
- (iv) Other technical information or supportive documents, as needed.

Specialist’s Qualification:

The waste management policy adviser should have the following minimum qualifications;

Should possess a university degree in engineering and three years of relevant professional experience in the field of waste management, in particular policy work in toxic/hazardous waste management in ADB developing member countries (DMCs). A masters degree as well as experience in mercury treatment of lamp waste, is preferred.

Place of Assignment	Duration	Estimated dates (mm/yyyy)
Kathmandu, Nepal	1.5person-months (intermittent)	June 2010-September 2012

Invitation for Expression of Interest (EOI) **for individual consultants**

(First Date of Publication: 3 March 2010)

Name of the Project: Nepal: Energy Access and Efficiency Improvement Project

Component: Supply- Energy efficient lighting

Name of Donor Agency: Asian Development Bank

1. Nepal Electricity Authority (NEA) has received a loan from Asian Development Bank (ADB) the cost of Energy efficient lighting and intends to apply a portion of the proceeds of this loan to eligible payment under this contract.
2. NEA (the Employer) now invites Expression of Interest (EOI) from Eligible individual International and Local Consultants or an individual through consulting firms (Registered in VAT/PAN in case of Nepalese Consultant), Listing their specific position for which any person is applying in cover letter attaching the Curriculum Vitae in ADB format.

Consulting Services for CFL implementation and waste management policy

S.N	Description	International	Local	Remarks
1	Designation	Waste management policy advisor	CFL program implementation consultant	
2	No. of Consultants	1	1	
3	Duration	1.5 Person-months	13 Person-months	Intermittent

3. Each consultant shall be a native from ADB member countries. They shall be highly experienced in the related fields and possess good command in English language.
4. The consultant shall also submit the certified copy of testimonials along with the proposals especially for academic qualifications, training and job related experiences.
5. The consultant will be selected and engaged in accordance with the Guidelines on the Use of Consultants by Asian Development Bank and its Borrowers (February 2007) under the Individual Consultant Selection Method.
6. The terms and conditions of the contract and payments by the Project will be subject to the terms and conditions of the agreement including the Guidelines on the Use of Consultant by Asian Development Bank and its Borrowers.
7. Tentative commencement date of the consultant will be Jun 2010.
8. Project area through out the country.
9. The consultant should clearly mention consultancy title outside the envelop.
10. The EOI must be delivered up to 6th April 2010 within the office hour at the address below. If the last date of the submission happens to be a holiday, the next working day shall be considered as the last date of submission.
11. Interested consultants may obtain further information and a copy of detailed TOR at the project office during the office hours and available in www.adb.org or in www.nea.org.np.

Nepal: Energy Access and Efficiency Improvement Project **Supply-side Energy Efficiency Improvement (Energy efficiency lighting)**

Demand Side Management Department

Nepal Electricity Authority

Baghbazar, Kathmandu, Tel : 01425342, Fax: 014153155

Email: neadsmd@gmail.com

TERMS OF REFERENCE

Contract	CFL Program Implementation Consultant	
Project	Nepal: Compact Fluorescent Lamp Distribution Program	
Expertise	CFL Program Implementation	
Source	National	Category: Individual

Objective/ Purpose of the Assignment:

The proposed Nepal: Energy Access and Efficiency Improvement Project Consists of six (6) Investment components and one component of provision of experts services. They are:

- (viii) Transmission network capacity Augmentation
- (ix) Distribution network capacity
- (x) Generation rehabilitation
- (xi) Distribution network loss reduction
- (xii) Energy efficient Lighting
- (xiii) Solar-powered street-lighting
- (xiv) Implementation support for (iv) and for distribution public private partnerships (PPP)

A National consultant with expertise on energy efficiency (EE) program development and implementation is required for the CFL component.

Scope of work:

The CFL program implementation consultant (National) will assist NEA in setting up a Demand –Side Management (DSM) Cell for designing, implementing and monitoring DSM Programs especially ADB funded CFL component of the project. He will also provide support for the development of a Policy and Market Study on Lamp Waste Management.

Detail Tasks:

The activities of the consultant will include but not limited to the following:

- (iii) **Task 1-CFL Program- Project Implementation, Monitoring & Evaluation**
 - a. Data collection from NEA- The primary data will include costumer numbers in the selected categories and estimated growth in the current year; existing market share of incandescent bulb (IB) and CFLs.
 - b. Baseline consumer and market surveys – Review the out come of the survey conducted to assess 1 IB and CFL uses, and to awareness on CFLs among residential and small commercial electricity customers.
 - c. Review recent work undertaken by World Bank consultant for NEA on DSM and related activities.
 - d. Demand Side Management (DSM) Cell- Assess the capacity and efficiency of DSM Cell set up at NEA, its roll and responsibilities for the development and Implementation of DSM activities; establish the DSM Cell annual work plane.
 - e. Prepare program monitoring and evaluation plane that out lines the procedures for tracking incandescent bulb (IB) replacement, CFL distribution/ delivery, installation, and resulting energy savings.
 - f. Undertaken impact assessment of the CFL program.
 - g. Capacity building- Provide in-house training in energy efficiency improvement techniques and energy audits, and recommend external advance professional training for engineers working in the DSM Cell.

- h. Outreach-Develop and facilitate outreach activities such as awareness program for the consumers and suppliers; conduct workshop, training for operators/engineers involved in energy efficiency activities; Develop success stories, leaflets, etc.
- i. Equipment-Select energy audit equipment that is suitable for DSM Cell, obtain quotations and recommend procurement procedures.

(iv) Task 2- CFL Program-Policy and Market Studies

- a. Review existing policies, if any, relevant to the development of DSM activities; develop and recommend strategies, as part of the overall implementation plan, for motivating consumers to actively participate in the program.
- b. Recommend appropriate standards for CFL and develop testing facilities in house or with other stakeholders.
- c. Provide policy advice to assist stakeholders in drafting energy efficiency policies to be implemented by the GON.
- d. Assist Waste Management Policy Advisor working on policy and Market Study for Lamp Waste Management to 1) gather and review policy documents related to the topic, 2) network with relevant stakeholders, and 3) facilitate meetings, discussions, etc., as necessary. Submit major works of written material to the Waste Management Policy Advisor for review.

The consultant will produce the following out;

- (i) CFL Program Implementation Plan, including technical specifications and cost estimates of equipment to be purchased under the assistance, estimated impacts.
- (ii) CFL Program Monitoring Plan.
- (iii) Mission reports.
- (iv) Draft report
- (v) Final report detailing final project scope and all task outputs under this assignment.
- (vi) Other technical information or supportive documents, as needed.

Specialist's Qualification:

The consultant should have the following minimum qualifications;

- (i) A university degree in engineering and 5 years of relevant professional experience in the field of demand-side management (DSM) and energy efficiency programs. A master's degree is preferred.
- (ii) Previous work experience in energy efficiency improvement program preparation, and preparation of technical specifications and tender documents of CFL program. Previous work experience in demand-side management (DSM) and energy efficiency programs implemented by international financial institutions and multilateral development agencies is preferred.

Place of Assignment	Duration	Estimated dates (mm/yyyy)
Kathmandu, Nepal	13 person-months (intermittent)	June 2010-September 2012

Invitation for Expression of Interest (EOI) **for individual consultants**

(First Date of Publication: 3 March 2010)

Name of the Project: Nepal: Energy Access and Efficiency Improvement Project

Component: Supply- Energy efficient lighting

Name of Donor Agency: Asian Development Bank

1. Nepal Electricity Authority (NEA) has received a loan from Asian Development Bank (ADB) the cost of Energy efficient lighting and intends to apply a portion of the proceeds of this loan to eligible payment under this contract.
2. NEA (the Employer) now invites Expression of Interest (EOI) from Eligible individual International and Local Consultants or an individual through consulting firms (Registered in VAT/PAN in case of Nepalese Consultant), Listing their specific position for which any person is applying in cover letter attaching the Curriculum Vitae in ADB format.

Consulting Services for CFL implementation and waste management policy

S.N	Description	International	Local	Remarks
1	Designation	Waste management policy advisor	CFL program implementation consultant	
2	No. of Consultants	1	1	
3	Duration	1.5 Person-months	13 Person-months	Intermittent

3. Each consultant shall be a native from ADB member countries. They shall be highly experienced in the related fields and possess good command in English language.
4. The consultant shall also submit the certified copy of testimonials along with the proposals especially for academic qualifications, training and job related experiences.
5. The consultant will be selected and engaged in accordance with the Guidelines on the Use of Consultants by Asian Development Bank and its Borrowers (February 2007) under the Individual Consultant Selection Method.
6. The terms and conditions of the contract and payments by the Project will be subject to the terms and conditions of the agreement including the Guidelines on the Use of Consultant by Asian Development Bank and its Borrowers.
7. Tentative commencement date of the consultant will be Jun 2010.
8. Project area through out the country.
9. The consultant should clearly mention consultancy title outside the envelop.
10. The EOI must be delivered up to 6th April 2010 within the office hour at the address below. If the last date of the submission happens to be a holiday, the next working day shall be considered as the last date of submission.
11. Interested consultants may obtain further information and a copy of detailed TOR at the project office during the office hours and available in www.adb.org or in www.nea.org.np.

Nepal: Energy Access and Efficiency Improvement Project **Supply-side Energy Efficiency Improvement (Energy efficiency lighting)**

Demand Side Management Department

Nepal Electricity Authority

Baghbazar, Kathmandu, Tel : 01425342, Fax: 014153155

Email: neadsmd@gmail.com