

Official Launch Event

AEPC / NRREP

Program for Large Scale

Commercial & Municipal Biogas Plants

Supported by:

SREP Extended Biogas Project



Venue: Soaltee Hotel

Date: 3rd February, 2015



Introduction to SREP Extended Biogas Program & Implementation Strategy

Venue: Hotel Soaltee
Date - 3 Feb 2015

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Scaling Up Renewable Energy Program (SREP)

- The Climate Investment Funds (CIF) was established in 2008 to **provide scaled-up climate financing to developing countries to initiate transformational change towards climate resilient, low carbon development**
- The CIF has benefitted from **14 donor countries: Australia, Canada, Denmark, USA, France, Germany, Japan, Korea, Netherlands, Norway, Spain, Sweden, Switzerland, UK**



Scaling Up Renewable Energy Program (SREP)

- Donor countries have pledged **US\$ 8 billion to fund investments in 48 countries and three regions.**
- CIF support is channeled through **five multilateral development banks (MDBs): including the World Bank Group.**



CLIMATE INVESTMENT FUNDS (CIF) \$8 BILLION



CLEAN TECHNOLOGY FUND (CTF)

\$5.5 billion

Scaled-up demonstration, deployment, and transfer of low-carbon technologies in renewable energy, energy efficiency, and clean transport

Chile
Colombia
Egypt
India
Indonesia
Kazakhstan
Mexico
Morocco
Nigeria
Philippines
South Africa

Thailand
Turkey
Ukraine
Vietnam
Middle East and North Africa Region (Egypt, Jordan, Morocco, Tunisia)



PILOT PROGRAM FOR CLIMATE RESILIENCE (PPCR)

\$1.3 billion

Mainstream resilience in development planning and investments

Bangladesh
Bolivia
Cambodia
Mozambique
Nepal
Niger
Tajikistan
Yemen
Zambia

Caribbean Region (Dominica, Grenada, Haiti, Jamaica, St. Lucia, St. Vincent and the Grenadines)

Pacific Region (Papua New Guinea, Samoa, Tonga)



FOREST INVESTMENT PROGRAM (FIP)

\$639 million

Reduce emissions from deforestation and forest degradation, sustainably manage forests, and enhance forest carbon stocks

Brazil
Burkina Faso
Democratic Republic of Congo
Ghana
Indonesia

Lao People's Democratic Republic
Mexico
Peru



SCALING UP RENEWABLE ENERGY IN LOW INCOME COUNTRIES PROGRAM (SREP)

\$551 million

Demonstrate economic, social, and environmental viability of renewable energy in low income countries

Ethiopia
Honduras
Kenya
Liberia

Armenia
Yemen
Mongolia

Maldives
Mali
Nepal
Tanzania

Pacific Region (Solomon Islands, Vanuatu)

STRATEGIC CLIMATE FUND (SCF) \$2.5 BILLION



Scaling Up Renewable Energy Program (SREP)

Participation and activities completed:

I Phase:- Project preparation phase

- Submission of Expression of Interest (EoI) to SREP Sub-committee to participate as Pilot Country - 26 April 2010
- Steering Committee formation -2067/10/17
- Joint MDB Scoping Mission – 3 to 8 Feb 2011
- First Joint Programing Mission – 4 to 11 July 2011



Scaling Up Renewable Energy Program (SREP)

Participation and activities completed:

Project preparation phase

- Stakeholder Consultation on IP – 9 Sep 2011
- 2 Joint Programing Mission – 20 to 22 Sep 2011
- Submission of IP to Sub committee – 3 Oct 2011

II Phase:- Project design Phase – complete

Agreement between GoN and WB - complete

III Phase:- Implementation Phase – Now started



Nepal SREP Investment Plan Quick Facts

Steering Committee:

| Position | Organization | Status |
|-----------------|---|----------|
| Secretary | Ministry of Science Technology and Environment(MoSTE) | Chairman |
| Representative | NPC Secretariat | Member |
| Representative | Ministry of Finance | Member |
| Representative | Ministry of Energy | Member |
| Representative | Nepal Rastriya Bank | Member |
| Executive Dir. | Alternative Energy Promotion Center (AEPC) | Member |
| Chairperson | Fed. Nepalese Chamber of Commerce & Industries | Member |
| Chairperson | Nepal Micro-Hydro Development Association | Member |
| Chairperson | Solar Electric Manufactures' Association | Member |
| Chairperson | Nepal Bio- gas Promoters Association | Member |
| Joint Secretary | CCMD, MoSTE | Member |

Nepal SREP Investment Plan Quick Facts

- **Subcommittee Endorsement:**

November 2011; minor revision endorsed in February 2013

- **SREP financing:**

US \$ 40 Million, expected leverage @ 1:4 (US \$160 Million)

| Project Description | Fund (US\$, M) | MDB | Sub com. Approval | MDB Approval |
|---|----------------|------|-------------------|------------------------------|
| Off grid Electricity - AEPC | 11.78* | ADB | May 2014 | Jul 2014 |
| Extended Biogas / W2E-AEPC | 7.9 | IBRD | Feb 2014 | Aug 2014 |
| On-grid - Small hydropower-Private Sector | 10.0 | IFC | Nov 2012 | New project to be developed |
| On-grid - Small hydropower-Private Sector | 10.0 | ADB | Nov 2012 | Reallocated to on-grid solar |

* Includes \$0.58 M Project Preparation Technical Assistance,

* 0.32 Project Investment Preparation Grant)



SREP Extended Biogas Program

- **SREP Extended Biogas Program** will be **executed under NRREP** supporting large commercial plants and MSW Plants for thermal and electricity generation
- The **Grant Agreement** for SREP Extended Biogas Program has been signed between **Government of Nepal (GoN)** and **the World Bank** on **November 24, 2014**



SREP Extended Biogas Program

- Total **Grant Amount** is **US\$7.9 Million**, out of which **US\$1 Million** is earmarked for Technical Assistance and remaining **US\$ 6.9 Million** for grant/subsidy.
- Official **Launch Program** is today **3rd February, 2015**
- Program **Implementation Period** : **Five Years (2015-2019)**





Thank You

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