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DEEUs have been Extended in 9 new Districts

Page 2

Newly Pre-Qualified Companies of MICS

Page 4

AEPC Installing Hybrid System of Wind & Solar

Page 5

Completion of 32 New Hydro Projects

Page 8

Major Activities of Bio-fuel Program in the FY 2067/68

Page 9

Inside

AEPC, Formulating Two Major RE Programs

RREP & SREP

Alternative Energy Promotion Centre (AEPC) is presently formulating two major programs namely 'Rural and Renewable Energy Programme' (RREP), and 'Scaling up Renewable Energy Program in Low Income Countries' (SREP). RREP is envisioned as a national sectoral program of Renewable Energy (RE) sector in the country.

RREP has been agreed by both the Government of Nepal (GoN) and the Energy Donor Group based upon the results and accumulated lessons of the first two phases of the Energy Sector Assistance Programme (ESAP I and II).

A Process Consultant has been assigned to facilitate and oversee the formulation of the RREP. The formulation of the Programme will be guided and monitored by the Task Group chaired by the Ministry of Environment - comprising the members from AEPC, Ministry of Finance, National Planning

Commission and other energy stakeholders including development partner representatives. Presently, the Task Group is in the process of formation.

The main objective of RREP will be to enhance the access and affordability of the rural population to rural and RE solutions that are efficient, environment-friendly and socially acceptable. The programme is proposed to run for five years starting from July 2012. The anticipated program budget is about US\$180 Million.

The RREP's first formulation mission was in Nepal from 4 to 15 of July, 2011 and had a round of discussions with the Ministry of Environment (MoEnv), Ministry of Finance, National Planning Commission, Alternative Energy Promotion Centre (AEPC), private sector and other nongovernmental organisations, representatives of bilateral and multilateral organisations as well as other stakeholders. As part of the first formulation mission a Stakeholder Workshop was also conducted to receive inputs from key stakeholders.

'SREP' is About to Launch Page 2

Second Formulation Mission will be organized in October/November 2011. The Appraisal Mission is expected to conduct the review of the proposed programme in January 2012. Final report of RREP will be prepared based on the Appraisal Mission and comments/feedback from stakeholders. Accordingly, the preparation and signing of Joint Financing Agreement between the Government of Nepal and all interested development partners is expected in June 2012.

DEEUs have been Extended in 9 New Districts

AEPC, in coordination with Ministry of Local Development, and financial support from UNDP, has newly established District Energy and Environment Units (DEEU) in 9 districts. The number of DEEUs increased from 32 to 41.

Recently AEPC has signed MoU with the REDP phase out 9 districts to continue as Units from this running fiscal year 2068/69 namely in Tehrathum, Dolakha, Tanahun, Parbat, Myagdi, Kapilbastu, Gulmi, Pyuthan and Dadeldhura. AEPC is in the process of having agreement with the three Districts of the valley. By then the total no. of DEEUs will be 44.

The objective of establishing DEEUs under the District Development Committees (DDCs) is to support the DDCs in energy planning, monitoring and promotion of RETs and environmental protection activities. The DEEUs closely work with DDCs to build up technical capacity of DDCs in the Renewable Energy Technology (RET) sector and

Environment.

AEPC has now three years of experience of the units. During this period, the capacity of the units' staff has been enhanced through training however it is ongoing process. At district level, Energy & Environment Management Committee and Energy & Environment Coordination Committee are set up to promote and address the sub-sectoral issues. These units have carried out promotional activities at different levels like: District, *Ilaka*, VDC and community. From this fiscal year, they have been assigned the role of Biogas monitoring (After Sales Services) and have the official authority for the recommendation of Small Solar Home System and Metallic Improved Cooking Stove.

AEPC along with the enhanced capacity of DEEUs is decentralizing its works suited ultimately to empower local bodies fulfilling the target of full decentralization the centre.

A New Program 'SREP' is About to Launch

Government of Nepal is about to launch a new program named 'Scaling up Renewable Energy Program in Low Income Countries' (SREP) through Alternative Energy Promotion Centre (AEPC). The SREP program supported by Climate Investment Funds (CIF) is expected to start from July 2012. The preparation of the SREP Investment Plan is underway.

A joint mission of World Bank (WB), Asian Development Bank (ADB) and Climate Investment Fund (CIF) team visited Nepal in first week of February 2011 and identified the scope of the SREP in Nepal. The mission identified three major components of the program which are mini/micro energy initiatives, small hydro development and capacity building activities to scale up above mentioned two sectors in the country. Second Joint Programming Mission was held during 4-11 July, 2011. The mission consulted partners, private sector and so on.

The main objective of the mission was to collaborate with the government of Nepal in developing its investment plan. Nepal has plan to submit its detail investment plan to SREP Sub-committee for approval in November 2011. SREP Nepal will be on micro and mini energy initiatives and in small hydropower projects.

Nepal was selected as one of the pilot countries for SREP in June 2010. Ethiopia, Kenya, Honduras, Maldives and Mali are the other pilot countries. The main objective of SREP is to support developing countries to increase energy access and accelerate economic growth through RE.

BEC conducted Annual Review and Planning Workshop with RRESCs/SPs

Biomass Energy Component (BEC) organized 2 days Annual Review and Planning Workshop with Regional Renewable Energy Service Centre and Service Providers (RRESCs/SPs) of mid hill and terai districts. The workshop for RRESCs of mid hills was held in Chitwan on 6th and 7th April 2011. Similarly the workshop for RRESCs of terai was held in Budhanilkantha, Kathmandu on 2nd and 3rd June 2011.

The main objectives of the workshop were to assess/review the progress of BEC activities and outputs, to identify problems faced by RRESCs during the implementation of

biomass activities and their solutions and to prepare the annual work plan for the fiscal year 2011/12.

The workshop was effective for reviewing the status of programme districts, budget scenario, RRESCs performance evaluation, monitoring, data collection strategy for saturated (phased out) districts and activities planning for Annual Working Plan 2011/12.

Altogether 47 participants including Team leaders, Regional Coordinators, Biomass Engineers from RRESCs and Energy Development Officer from Darchula had participated in the workshop.

Pre-Qualification of Companies for Manufacturing and Installation MICS

Alternative Energy Promotion Centre/Energy Sector Assistance Program (AEPC/ESAP) has pre-qualified 19 new companies for manufacturing and installation of Metallic Improved Cooking Stove (MICS). Including these companies AEPC/ESAP has 33 PQ companies for MICS dissemination.

Similarly, the component organized half day orientation and contract signing program with newly pre-qualified companies for MICS. The main objectives of the workshop were to orient new companies about detail process of MICS dissemination and to sign the contract between PQ companies and AEPC/ESAP.

Addressing contract signing program Executive Director of AEPC Dr. Narayan Prasad Chaulagain and Chief Adviser of ESAP Niels J. Thomsen congratulated all the PQ companies for joining hands with AEPC in promoting renewable energy through MICS. Dr. Chaulagain expressed his hope towards the companies to achieve additional progress. Similarly Mr. Thomsen said that AEPC/ESAP is glad to contract with new PQ companies.

Random Sample Monitoring and Central Verification of MICS

BEC has completed the first round of monitoring to release 10% of the retained subsidy amount of one year old installed metallic stoves under AEPC/ESAP subsidy provision. The monitoring was conducted through Centre for Energy Studies (CES), IOE Pulchok based on contract agreement between CES and AEPC.

The first round monitoring was divided into six trip covering 15 districts namely Jumla, Kalikot, Sindhupalchok, Makwanpur, Bhojpur, Dolkha, Kavre, Kathmandu, Lalitpur, Rasuwa, Nuwakot, Mugu, Myagdi, Mustang and Kaski . Total numbers of sample monitored was 111. Similarly BEC has also completed central verification for deviated cases found during monitoring by CES. The central verification team verified the deviated cases found in Jumla, Sindhupalchok, Makwanpur and Lalitpur.

Newly Pre-Qualified Companies of MICS

S.N.	Name of Companies
1	Malika Engineering & Mechanical works, Dhangadi, Kailali
2	Jagdamba Engineering Works, Nepalgunj, Banke
3	Panchkanya Metal Engineering, Pokhara, Kaski
4	Gorkha Energy and Environment Pvt. Ltd, Palungtar, Gorkha
5	Nilkantha Technology solution Pvt. Ltd, Dhading Besi, Dhading
6	S.K Engineering Industries, Butwal, Rupandehi
7	Metal Nepal, Siddhartha Nagar, Rupandehi
8	Himal Power Development Pvt. Ltd., Narayangad, Chitwan
9	Nepal Energy Development Company Pvt. Ltd., Ekantakuna, Lalitpur
10	Prabidhi Uthan Engineering Kendra, Hetauda, Makwanpur
11	Centre for Rural Energy Promotion and Environment Technology Service, Kalaiya, Bara
12	Renewable Energy, Water Supply and Sanitation Promotion Center, Chandranigahpur, Rautahat
13	Gramin Urja tatha Prabidhi Sewa Kendra, Kumaripati, Lalitpur
14	Motherland Engineering Workshop Pvt. Ltd., Balaju, Kathmandu
15	Ananta Iron Industries, Dharan, Sunsari
16	Agni Engineering Workshop, Pvt, Ltd, Indrapur, Morang
17	Krishna Grill & engineering Works Pvt. Ltd., Biratnagar, Morang
18	Shree Aditya Grill Udhyog, Illam
19	Shree Trishakti Engineering Workshop, Phidim, Panchthar

Different Trainings Conducted by AEPC on Biomass Energy

Alternative Energy Promotion Centre (AEPC) in cooperation with Gramin Urja tatha Prabidhi Sewa Kendra Pvt. Ltd. organized 5 days IICS construction training for promoters/stove masters.

The training was conducted at Dhulikhel Training Centre. All together 50 participants were participated in two batches. Training for first batch was conducted from 16th to 20th June 2011 whereas second batch was conducted from 23rd to 27th June 2011. The main objectives of the training were to give hands on skill to promoters/stove masters for construction of institutional improved cooking stoves.



Figure:1 Participants of construction training on Institutional Improved Cooking Stove with the stove made by them during the training in Dhulikhel

Similarly, Alternative Energy Promotion Centre (AEPC) in cooperation with Gorkha Energy and Environment Pvt. Ltd. organized training on potential entrepreneurs for marketing of briquetting technologies in Gorkha and Dhangadi. The training in Gorkha was conducted from 3rd to 7th of May and in Dhangadi from 17th to 20th June 2011.

The main objectives of the training were to conduct training program to potential entrepreneurs on different methods of producing briquette and also on entrepreneurship development so that they could later on generate income by selling products. Altogether 50 participants had participated in the training.

AEPC/ESAP Identified four new Model of MICS

AEPC/ESAP has recently identified 4 new models including 2 pot hole and 3 pot hole Metallic Improved Cooking Stoves based on the technical test. The required testing was conducted at Kathmandu University and Dhaulagiri Community Resource Development Centre (DCRDC), Baglung.



Figure 2
Model -II (3 pot hole metallic stove)

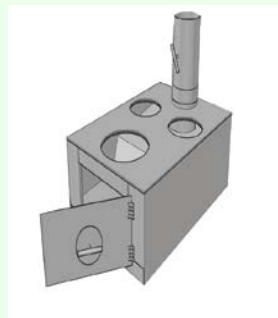


Figure 3
Model -I (3 pot hole)

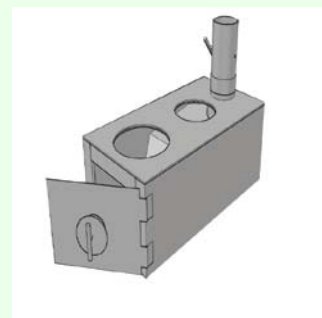


Figure 5
Model -III (2 pot hole metallic stove)



Figure 6
Model -IV (2 pot hole with ash tray)

AEPC Implementing Hybrid System of Wind & Solar

AEPC is implementing a wind & solar hybrid system as a pilot project in Dhaubadi VDC, Nawalparasi with the support of Asian Development Bank (ADB). The project has also targeted to install rest of the renewable energy such as biogas, ICS, solar cooker and solar dryer.

Nepal has been selected as the first pilot country for the Regional Technical Assistance (RETA). RETA: 7485 is an integral part of Asian Development Bank's "Energy for all" initiative program. Initial design proposed on inception workshop for the pilot project is 10 kW wind power with 2 KWp solar PV systems. Altogether 46

households of the VDC with an average family size of 7.4 will be benefited by the project. According to the ADB consultants daily estimated load has been calculated as 40 kWh in the base year 2011 AD and demand is expected to increase at 6% each year until 2020 AD. Presently national power grid is not accessed yet in Dhaubadi VDC.

Besides wind and solar energy technologies, there will be promotion of other RE technologies as well such as: Biogas, Improved Cooking Stoves (ICS), solar cooker and Solar dryer.

Validation of IWM and ICS POA CDM

AEPC has prepared Project Design Document (PDD) for both Improved Cooking Stove (ICS) program and Improved Water Mills (IWM) projects. These projects are being developed under the Program of Activities (POA) approach. AEPC is currently in the process of hiring the Designated Operational Entity (DOE) of both of these programs. The validation of these two programs is expected to finalize in six months period.

Preparation for Energy Meter Installation

The installation of the Energy Meters in the registered Clean Development Mechanism (CDM) micro hydro projects has been initiated. Installation of energy meter in the Micro Hydro Plant is necessary for emission reduction (ER) calculation as the ER amount depends on the energy supplied from the plant and it is recorded in the meter.

The energy meters are expected to arrive in Kathmandu during the 2nd week of August and the installation of meters starts from 1st week of September. Altogether, the energy meters are planned to be installed in 237 Micro hydro projects.

Training Conducted on Solar System Repair and Maintenance



Figure 4 Organizers and Participants of the Training

Alternative Energy Promotion Center/Energy Sector Assistance Program (AEPC/ESAP) recently organized 3 weeks residential training jointly with Solar Electric Manufacture's Association Nepal (SEMAN) on repair and maintenance of Solar System in Kathmandu. 20 participants from 20 different districts with the highest number of Solar Home System (SHS) installation were involved in the program. The participants at the end of training were also provided with the tool kits so that they could immediately start the assumed service in their respective districts.

Workshops to Promote Local Financing for SHS/SSHS

With higher demand of SHS than expected in the year 2010/11 AEPC/ESAP has temporarily holds the subsidy disbursement for SHS. Different to this, subsidy for SSHS is still available and is continued. In the absence of subsidy for SHS, the Credit Financing to SHS should be promoted in such a way that users get the maximum benefit of credit and vendor financing mechanism promoted by AEPC/ESAP. Similarly there is also need to aware the potential users of SSHS who are not purchasing

AEPC/ESAP promoted small solar home system because of several reasons. Therefore, in order to find a mechanism to promote both SHS (in the absence of subsidy) and SSHS (with the availability of subsidy), two interaction programs with the AEPC/ESAP's partner Local Financing Institutions were organized in Chitwan (June 13-14, 2011) and Nepalgunj (June 8 and 9, 2011). After the program the LFIs showed their full interest and also committed for the promotion of SHS and SSHS.

Capacity Building workshop On MH Development

With the support of AEPC, Consultants organized one day workshop on 'Capacity Building of Stakeholders on Mini/Micro Hydropower Development' in 13 Districts namely Humla, Jumla, Kalikot, Dolpa, Mugu, Rolpa, Rukum, Jajarkot, Bajhang, Bajura, Achham, Dailekh and Darchula. The workshop focused on additional support on Micro-hydro subsidy. Around 75-100 participants participated in each district. The workshops were also attended by the Constituent Assembly Members of the respective districts.

ER Revenue Utilization Guideline Drafted

AEPC has prepared Emission Reduction (ER) Utilization Guideline for RE program under AEPC. The objective of the guideline is to define RE Carbon fund management system and define ER delivery mechanism.

The draft guideline is being translated into Nepal language. The guideline will be effective after approval from ministerial cabinet.

Different Trainings Conducted on Micro-hydro Sector

Mini-grid Rural Electrification Component (MGREC) of AEPC/ESAP organized Micro-hydro Advanced Operators' training in Kathmandu from June 27 to July 20, 2011. Altogether 27 participants attended the training. The training was conducted by Nepal Micro-hydropower Development Association. The same consultant is planning to conduct 2nd Batch training from July 20-August 10, 2011 for 23 participants.

Similarly, the component organized Micro-hydro Managers' Training in Kathmandu from June 6-12, 2011. Altogether 34 participants attended the training. The training was conducted by Universal Consultancy Services Pvt. Ltd. Mini-grid Rural Electrification Component (MGREC) of AEPC/ESAP organized Pico-hydro Operation training in Kathmandu from June 14-21, 2011. Altogether 25 participants attended the training. The training was conducted by Universal Consultancy Services Pvt. Ltd.

Approval of 60 MHP for Subsidy

Technical Review Committee (TRC) approved 60 Micro-Hydro Projects for subsidy with capacity of 1,753.5 KW. Total of 18,485 households are expected to be benefitted in the future. Similarly 92 Micro-hydro projects with total capacity of 1924.5 KW and 15 Micro-hydro projects with total capacity of 461 KW were approved by TRC for additional subsidy and rehabilitation respectively.

SEC Preparing Battery Management Regulation

Lead -acid batteries pose severe human hazards if they are handled improperly. Lead is also extremely toxic to aquatic life if disposed to rivers. Used Lead Acid Batteries (ULAB) is classified as a hazardous waste under the Basel Convention on the Control of Trans-boundary Movements of Hazardous Wastes and their Disposal. As a party to the convention, Nepal should manage the hazardous waste as per requirement of the convention for which Nepal has to formulate a regulation to manage the ULAB.

For preparing the regulation, PACE Nepal, an external consultant was hired by AEPC/ESAP and it has submitted a draft regulation. The draft is due for wider stake holder consultation and is expected for finalization shortly.

Completion of 32 New Hydro Projects

Alternative Energy Promotion Centre (AEPC) completed 32 new hydro projects including 6 Micro Hydro Projects and 26 Pico-Hydro Projects during last three months. Total of 2,503 households are benefitted from the new projects through 229.5 KW power. Details of the Projects are as follows:

S.N	Name of the Projects	District	VDC / Village	KW	Household Connected (In number)
1	Lili Khola	Gorkha	Kharibot VDC-3	35.5	300
2	Karam Danda	Kavrepalanchowk	Vimkhori VDC-2	17	135
3	Mambali Sangbo	Sindhuli	Netrakali-8,	12	112
4	Salpu Khola II	Okhaldhunga	Ragani	18	197
5	Andheri Khola	Gorkha	Kharibot-8,	13	118
6	Phulawati Khola	Solukhumbu	Cheskam VDC 7	42	557
7	Putalikhara	Terhathum	Samdu-2	2	17
8	Bharse Khola	Bhojpur	Helaunchha-7	3	30
9	Baraha Khola	Baglung	Hila-7	5	70
10	Likhu Khola	Okhaldhunga	Palapu-8	5	65
11	Chokhe Khola	Kavrepalanchowk	Falametar-4	3	33
12	Sanu Puwa Khola	Ilam	Puwa Majhuwa-9	4	34
13	Sallakhop Khola	Ilam	Gajurmukhi-4	2	32
14	Sandh Khola	Nawalparasi	Bulingtar-9	5	78
15	Nirandi Khola	Nawalparasi	Naram-9	3	52
16	Lapang Khola	Dhading	Katunje-4	3	30
17	Gairipani Khola	Makwanpur	Dandakharka-9	3	30
18	Kitini Khola	Makwanpur	Sukaura 5,7,8	4	57
19	Janjagriti	Ilam	Gajurmukhi-9	4	39
20	Pharsa Khola	Baglung	Ranashingkiteni-9	5	48
21	Fakfok Khola	Ilam	Fakfok-6	3	29
22	Jal Kanya Misrit	Terhathum	Samdu - 3	2	17
23	Unique	Ilam	Gajurmukhi 5, 6	3	32
24	Ghatte Khola	Makawanpur	Epa 4, 5	2.5	38
25	Fewa Khola	Ilam	Ivang - 3	5	72
26	Bachhala	Ilam	Ivang-4	3	31
27	Lama Khola	Kavrepalanchowk	Bhimkhori-8	3.5	37
28	Shajhi Khola	Kavrepalanchowk	Walting-8	4.5	60
29	Khokhe Khola	Sindhuli	Bhadrakali-7	2	22
30	Shree Kalpabrichhya Tatha Kaflechour	Solukhumbu	Chaulakharka-5	5	60
31	Nagthan Khola	Solukhumbu	Beni-6	2.5	29
32	Chini Khola	Kavrepalanchowk	Vimkhori 1, 3	5	42
Total				229.5	2503

Major Activities of Bio-fuel Program in the fiscal year 2067/68

Government of Nepal announced Biofuel Programme (*Jaibik Indhan Karyakram*) in the fiscal year 2065/66 (2008/09), to be implemented through AEPC, for the promotion of biofuel. This programme has particularly focused on promotion of *Jatropha Curcas* for the production of biodiesel among different available resources of bio-fuel in a country. This is in response to the issues like environmental degradation, loss of country's economy for importing fossil fuel, energy crisis and oil shortage due to unpredictable price fluctuations in international markets. Since High Speed Diesel (HSD) is one of the most consumed petroleum product in Nepal, this programme aims in replacing fossil diesel up to certain level.

The programme has been initiated with the main objectives to pave a path for the sustainable promotion of bio-fuel in Nepal. The major activities for the fiscal year 2067/68 are: conduction of training programs to potential farmers and entrepreneurs, establishment of commercial plantation of *Jatropha Curcas*, carry out pilot projects in a local community, continue the study of germ plasm garden along with bio-chemical analysis, establishment of quality test lab for bio-fuel and support to Research institutes for carrying out research and development activities.

I. Support to establish *Jatropha* plantations

For the mass cultivation of *Jatropha Curcas*, availability of healthy saplings is a precondition and, therefore, the programme supported for the establishment of more than 10 modern *Jatropha Curcas* commercial plantations through 8 different organizations. Similar support has been provided to ADDCN and FECOFUN for ascertaining the activities. These plantations have been carried out mainly in districts of Surkhet, Makwanpur, Kailali, Birgunj, Dharan, Rupandehi and Nuwakot.

II. Training on *Jatropha* Plantation

Two batches of training for entrepreneurship development through *Jatropha* projects and five batches of training for *Jatropha* farmers were conducted at several parts of the country like Dhangadi, Chitwan, Butwal, Dhankuta and Pokhara. More than 200 farmers and entrepreneurs from more than 25 districts were benefitted from the training. These training provided lots of exposure to the farmers about *Jatropha* and its importance in national level. The training programs have been designed on the basis of 3 days literature class cum 2 days exposure visit.

III. Establishment of Quality Control Laboratory

Quality Control Laboratory (QC Lab) is necessary for the detection, analysis and to improve the quality of biodiesel produced from different biodiesel plants. Nepal Oil Corporation (NOC) holds the sole authority as importer, supplier & distributor of the petroleum products in Nepal and the commercialization of the biodiesel through blending with fossil diesel depends on the support from the NOC. AEPC intends to join hands with NOC to move forward with the establishment of QC Lab. Since NOC has already established its own big scale laboratory for the testing of the petroleum products and most of the properties of biodiesel are similar to diesel, therefore, cooperation with NOC would be more practical and cost effective in this regard. Considering these things, the Memorandum of Understanding between AEPC and NOC was signed on 28 Magh 2067 for the establishment of quality testing lab within premises of NOC. As a result, NOC has agreed to conduct some promotional activities in bio-fuel sector along with the development of lab with its own resources from upcoming fiscal year. Moreover, the detail specifications of test lab along with testing manual have already been prepared by AEPC.

IV. Continue of study on Germ plasm garden and Bio-chemical Analysis

From the fiscal year 2066/67, AEPC initiated a research study on establishing germplasm garden and conduction of bio-chemical analysis which is also continued on current fiscal year. The main aim of the research was to check the percentage of oil content and evaluate free fatty acids composition of locally available *Jatropha Curcas*. A total of 85 genotypes of *Jatropha Curcas* were collected to explore the variation of oil content and free fatty acids value ranging from Terai to Midhills of Nepal. The oil content was evaluated by Soxhelt extraction method which would extract maximum amount of deposited oil in seeds. The evaluation of oil content was done with replication of three for each sample. The percentage of oil found ranging from 16.30 to 58.57 %. The highest percentage of oil content (58.57 %) is found with genotype collected from Dadeldhura district at 1150 agl. This is the highest oil content ever reported in the seeds from naturally growing population of *Jatropha Curcas*. There are five genotypes which have percentage of oil content more than 50 %. All these higher oil content genotypes were reported from mid-hills of western Nepal. The genotypes collected from Terai and imported seeds have lower oil content compared to the genotype collected from mid-hill of Nepal. This indicates that superior genotype in terms of oil content has mainly been found in mid-hill of Nepal.

V. Development of IEC materials

Several awareness programs were conducted this year on bio-fuel. Pilot project is being carried out at Tanahun. The objective of the project is to create awareness about bio-diesel to the rural people. As a part of awareness activities, bio-fuel program published bio-fuel special edition of "URJA NEPAL" journal and developed audio and visual programs related to bio-fuel. Brochure, leaflets, booklets are also published by this program.

Consultation Meeting with Stakeholders Conducted for Revising Subsidy Delivery Mechanism of MICS

AEPC/ESAP organized stakeholders' consultation workshop on revising subsidy delivery mechanism of metallic stove. The workshop was held on 24 of June 2011 at AEPC. The main objectives of the workshop were to receive feedback from relevant stakeholders on proposed subsidy delivery mechanism and to share the details about MICS design.

The interaction was effective for discussion and getting feedback on revised subsidy delivery mechanism. The feedback of participants will be incorporated in new mechanism. Altogether 38 participants including representatives from AEPC/ESAP, Pre-Qualified (PQ) companies, Regional Renewable Energy Service Centers (RRESC) Network, MICS Manufacturers' Association, Nepal Red Cross Society, Federation of Community Forest Users Nepal (FECOFUN), National Cooperatives Federation, Association of District Development Committee Nepal,

Kathmandu University and Centre for Energy Studies (CES) had participated in the program.

Dr. Narayan Prasad Chaulagain, Executive Director of AEPC welcomed the participants and Honorable Minister of Ministry of Environment Mr. Sunil Kumar Manandhar was the chief guest of the workshop.

Preparation of Guidelines on Formulation of DCEP

Climate and Carbon Unit (CCU) / AEPC has Organized a central level stakeholder consultation workshop to share the key findings of Guideline for the preparation of three piloted DCEPs, District Climate and Energy Plans and receive their feedback on both .

These guidelines and plans have been finalized and in the process of translating in to Nepali language.
