Gender mainstreaming in Renewable energy Sector in Nepal (including in SREP)
Outline

• Working modality in RE sector
• Gender in national level
• Gender in RE sector
• GESI in SREP
• Aligning SREP with National Program
Key Messages

• Gender aligning from national level to local-RE project

National Level → RE sector → SREP

• Gender as integral part of RE program and project
  • livelihood enhancement
  • inclusive development
  • for sustainability of the system
Energy Sector overview

- **Traditional:** Fuelwood, Agri Residue, Animal Residue;
- **Commercial:** Petroleum, Coal, Electricity

- Ministry of Energy for On-grid energy supply
- AEPC, under Ministry of Science, Technology, Environment is nodal agency for off-grid electricity & clean energy cooking solution
- Nepal Oil Corporation, under Ministry of Commerce and Supply is responsible for petroleum energy supply
Renewable Energy Program in Brief

- Centre Renewable Energy Fund (CREF)
- National Rural and Renewable Energy Program (NRREP)
- From 2012
- Alternative Energy Promotion Centre executes the program
- **Funding:** GoN, Danida, Norway, Germany, UK, CIF, ADB, WB, UNDP/UNCDF, SNV
- Single program modality in RE sector & no parallel program is expected

**NRREP Targets:**
- Mini/Micro Hydro: 25 MW
- Domestic Biogas: 130000
- Large scale biogas: 1200
- Solar Home System: 600000
- ICS: 475000
- SMEs: 4100 and 19000 employment
- IGA: 15300

**SREP Target:**
- MMHP-4.5MW
- SWM-500 kW
- Biogas- 580 + 20 (Commercial + Municipal)
PPP Approach in RETs promotion

Service Delivery Channel

- Central Level
  - AEPC/NRREP
- Service Providers
  - NSP-2 & RSCs (9)
  - Companies Dealers/Agents
- District Level
  - DEECCS
- VDC/Ward Level
  - User
  - Community

User/Community

- GoN

Policy and Planning Support

Installation, After sales service, Monitoring

AEPC
Renewable (Alternative) Energy Sector Promotion

Industries and Academic Institutions

R&D and Incubation support, Technology Transfer
Gender in National Level: GRB

• GRB approach in the Public Finance System since 2007
• Budget categorized into

**Direct GRB, Indirect GRB and neutral (budget code 1,2 &3)**

• Five indicators for GRB calculation
  – Women participation in planning, implementation & monitoring
  – Capacity building of women
  – Equitable benefit sharing to women
  – Employment and income generation of the women
  – Work load reduction and quality time reform

• The direct gender responsive budget was 11.30% in 2007 which increased to 21.93% in 2014
Gender in National Level: Fiscal Measures

• **Mandatory gender assessment and benefit analysis** to the male and female from the project, if cost is more than Rs. 50 million
• 45% recruitment on the basis of inclusive system
• Mandatory action of female toilets in public offices
• **20% tax exemption**, if 33% employees are from women, disable and excluded group people in the company,
• **10% tax exemption** to the women employees
• **Rebate on land registration fee** (women): 25% in municipalities, 30% in VDC and 40% in remote VDCs.
• **Provision of joint property registration in Rs. 100 fee**, if the property is in husband’s name.
• **No age limit of widow** for social security allowances
Gender Mainstreaming in RE Sector: Enabling Environment

Enabling Environment

Policy Level intervention

Outreach extend

Service Providers

Accessibility

Receivers/ Right holders

Energy access by targeted group (inclusive development)

3/18/2015
Gender Mainstreaming in RE Sector: Operational Framework

Gender responsive institutional and organizational development, strategic operational development (SOD), HR policy, program, plan and budget, MIS, M&E strategy, Framework and indicators. Capacity development of AEPC staff to influence and deliver GESI responsive RET initiatives. Decentralized RET services.

GESI friendly RET : R&D on RET product and end use.

Increase access and control over the RET and credit/grant component to targeted women,

Gender responsive service delivery system, process and procedures.

Participatory monitoring mechanism

Capacity development of service providers on gender at all levels.

Equitable socio economic growth of women in remote areas by accelerating RET for generating employment & income through enterprise creation & development.
Gender in AEPC/RE Sector: Strategies

1. Positive discrimination in subsidy in RETs as well as its productive use (MSME & IGA)
2. Adoption of social mobilization process to address targeted group demand and ensure meaningful participation
3. Research and development (R&D) to design and promote gender friendly RET
4. Institutionalize GESI segregated database system, regular monitoring mechanism/reporting, review/evaluation
5. Positive discrimination in selecting FIs for ensuring credit access/facility to the target groups
6. Promote GESI responsive RET policy, strategy, periodic plan, rules and regulations and program and budget
7. Promote AEPC as GESI responsive institution
Gender mainstreaming in RE Sector: Prioritization of GESI Target group

Target Group 1

Target Group 2

Target Group 3

Target Group 4

Target Group 5

Target Group 6

Tier 1

Tier 2

Tier 3

DAG

Women

Poor

3/18/2015
### Gender and Social Inclusion (GESI) in SREP

<table>
<thead>
<tr>
<th>Activities</th>
<th>Indicators &amp; Target</th>
</tr>
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<tbody>
<tr>
<td>Involve women during project design and implementation</td>
<td>At least 25% of HHs from below poverty line (BPL), disadvantaged groups and FHH</td>
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</table>
| Empower the contractors to employ local labor, including women, in project construction activities | ▪ At least 25% women of total skilled and unskilled labor  
▪ Contractors agreements to include: equal pay for work of equal value, gender-related core labor standards, special facilities for women workers and gender-inclusive awareness raising for risk mitigation |
| Electrification of new HHs with focus on disadvantaged groups,             | At least 50% of the proposed newly electrified HHs from BPL and FHHs (On-grid) |
| End-user awareness raising for newly electrified HHs                       | Conduct activities for safe and efficient use of electricity, energy-related livelihood opportunities & energy saving in consumer behavior and practices for HH tasks |
| Promote clean cooking solutions                                             | Gender co-benefits from substitution of harmful cooking fuels for groups of women through large size biogas (commercial, institution, community) |

3/18/2015
## Gender and Social Inclusion (GESI) in SREP

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<tr>
<td>Below-poverty-line, disadvantaged groups and FHH electrified (Off-grid)</td>
<td>28,000 additional HHs supplied by mini hydro</td>
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<td>2,500 additional HHs supplied by SWM</td>
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<td>Women trained in the construction, O&amp;M of mini grid systems and as customer service providers</td>
<td>At least 40% women’s participation</td>
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<td>Enhance women, FHH and disadvantaged groups participation in sub-project development</td>
<td>At least 33% participation</td>
</tr>
<tr>
<td>Mobilize CBOs for social and environmental community development activities</td>
<td>At least 50% women and proportionate representation of disadvantaged groups</td>
</tr>
<tr>
<td>Trainings in GESI-based community participation and management of energy systems</td>
<td>- Five trainings</td>
</tr>
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<td></td>
<td>- At least one technology promoter in each sub-project site - 50% are women</td>
</tr>
<tr>
<td>Promote productive energy use activities to reduce women's time burden spent on household tasks, and women-led micro-enterprise development</td>
<td>At least 30% increase in women-led micro-enterprises</td>
</tr>
</tbody>
</table>
GESI Mainstreaming Ladder: Where we are?

Step 1: Blanket Approach

Step 2: GESI words/appreciation use in document

Step 3: Space for GESI concerns

Step 4: Budget allocation

Step 5: Address GESI concern in planning

Step 6: GESI knowledge building and management

Step 7: Institutionalize into program

GESI Mainstreaming:

- GESI unit at present-fund deficit
Aligning SREP (inc. gender) in National Program

MoF, MoSTE, MoE

Steering Committee

AEPC, Off-grid & Biogas

NEA, On-grid

NRREP

GESI Unit

9 RSCs - GESI Officer

9 RSCs-SM coordinator

SREP Management Team

Social Mobilizer at project site

Engineer at project site

Hydro, Solar-Wind, PEU, Biogas, M & E, Finance and Procurement Units of NRREP

Hydro, Solar-Wind, PEU, Biogas, M & E, Finance Units in RSCs

Beneficiaries: HHs, Community, Institutions, Enterprises
Questions
Suggestions!
References

- Latest GoN publication
- Gender Responsive Budgeting Formulation Guideline 2069
- SREP Investment Plan & Project Documents
- AEPC Publications
- Mr. Krishna Hari Banskota, Former Secretary, MoF/GoN
- Mrs. Nigma Tamrakar, National GESI Advisor AEPC, Gender Expert, UN WOMEN