Wrap up Workshop
Increasing the Resilience of
Small and Medium Irrigation Systems in Nepal

Process, Procedures and
Outcomes of
Focus Group Discussion

13 December 2016
**Process: Reconnaissance Study**

**Singheghat IS**
- 1. Ratanpur DTW IS
- 2. Belwaha STW IS
- 3. Motipur–Khadwa IS
- 4. Lausi Khola IS

**Julfitar IS**
- 1. Kalapani IS
- 2. Kiauchhe IS
- 3. Badautar IS
- 4. Chanda Devi IS

**Mahendrakot IS**
- 1. Gadkhar IS
- 2. Laxhmi-Biring IS (+3)
Singeghat Irrigation System in Kapilvastu District

Watershed of Bandaganga (187 Km²)
Western Part of SIS

- Motipur (Satgaon); 10 paisa
- Teen Gaon (Laugai, Maduban and Bodgaon); 6 paisa

16 paisa quantity of water

48 paisa quantity of water

SIS Weir

Banganga River
Baijalpur Divider (Head)

<table>
<thead>
<tr>
<th>44 paisa</th>
<th>2 paisa</th>
<th>2 paisa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mulkul</td>
<td>Tinaiya</td>
<td>Baijalpur</td>
</tr>
</tbody>
</table>

(Irrigated Land 54 Ha)
Rajpur Bathanpur Divider (Middle)

<table>
<thead>
<tr>
<th>38 paisa</th>
<th>3 paisa</th>
<th>3 paisa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mulkulo</td>
<td>Rajpur</td>
<td>Bathanpur (Irrigated Land 169 Ha)</td>
</tr>
</tbody>
</table>

6
<table>
<thead>
<tr>
<th>8 paisa</th>
<th>8 paisa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duha</td>
<td>Jhanda</td>
</tr>
<tr>
<td>(Irrigated Land 288 Ha)</td>
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Julphe Irrigation System in Nawalparasi District

Watershed of Girwari Khola (52 Km²)

- Julphe (135 Ha, Head)
- Koliya (74 Ha, Middle)
- Basantapur (89 Ha, Tail)
Julphe Irrigation Canal and Water Divider

Julphe Irrigation System

Julphe and Koliya & Basantapur Water Divider
Focus Group Discussion (FGD)

Procedure

Consultation with Water Users Association and Farmers to Formulate Groups for FGD

Shreengi Ghat IS

Julphe IS
FGD Procedure

Farmer groups were divided into three groups

Above 10 katha land holding (Rich);
Less than 10 katha land holding (Medium);
and
Senior Citizen who stay more than 20 years in the command areas
### FGD Procedure

#### Selection of Rich & Medium Level Farmers and Senior Citizen

<table>
<thead>
<tr>
<th>Command Area</th>
<th>Rich (More than 10 Katha)</th>
<th>Medium (Less than 10 Katha)</th>
<th>Senior Citizen</th>
</tr>
</thead>
<tbody>
<tr>
<td>JULPHE Irrigation System</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>SINGEGHAT Irrigation System</td>
<td>4</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>
FGD Procedure

- FGD was conducted based on checklist
- Each group consists of 10-12 members including women members of the farming families
FGD with Senior Citizen in JIS
FGD with Senior Citizen in SIS
Outcomes of FGD with Rich and Medium Level Farmers
“Perception on Climate Change”

1. General Information/ Current Livelihoods
2. Temperature (in 2015 and 10 ago)
3. Rainfall (in 2015 and 10 ago)
4. Impact of Changes of Temperature and Rainfall
5. Water Resources
6. Irrigation Management
7. Agriculture
Outcomes of FGD with Senior Citizen “Perception on Climate Change”

1. Historical Trend of Irrigation Development and Management
2. Climate Change (*Temp* & *Rainfall*)
3. Changes in Watershed (*Upstream of the Intake*)
4. Changes in Agriculture
5. Changes in Access / Transport for Inputs, Markets, Advice, etc.
6. Changes in Livelihoods
7. Trends in Water Availability
8. Trends in High Flows/Floods
9. Trends in Sediment