



## Irrigation



### **ABOUT**

Share Nepal is a Nepalese non-governmental organization (est. 2011) that serves approx. 700 families in an area of rural central Nepal that was heavily damaged during the 7.8M and 7.3M earthquakes of 2015. ParticipAid is a US based research project-in-development with the National University of Natural Medicine and Portland State University in Portland, OR. ParticipAid and Share Nepal worked together to coordinate emergency relief for the 70-family village of Karmidanda immediately following the devastating earthquakes, and continue their recovery work through a pilot “Community Led Rebuilding Program” for the larger area. This is a request for partnership drawn from the outcomes of the assessment and planning portions of the program. It is representative of one of Share Nepal’s 18 recovery plans for their constituency. Share Nepal board members and local facilitators will implement and manage all on the ground activities. ParticipAid will provide guidance and support on administrative, logistic, and project management challenges as needed. Both organizations seek your support in contributing to the activities described below to help this community recover from the disaster in a way that is self-determined, and locally managed.

**Please contact us for more details about partnering in this project!**

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### **LOCATION**

Nepal, Rasuwa District, Laharepauwa VDC, Wards 4, 5, 6, 7 and 8

### **BACKGROUND**

Though the majority of families in Laharepauwa Village are subsistence farming families, 92% of families report that they do not produce enough food to sustain them throughout the year. During the baseline survey, focus group discussions identified a lack of irrigation infrastructure as the one of the most direct causes of food insecurity in the village. Until this hurdle is overcome, it is unlikely that any modern agricultural practices can be adopted. The community has made many requests of their local government to subsidize an irrigation infrastructure, with no avail. In recent years, water scarcity, decreasing river volumes, and erratic rainfall patterns have added to the urgency of this plans implementation.

### **BENEFICIARIES**

According to the Baseline Survey, all 707 families of wards 4, 5, 6, 7, and 8 are in need of irrigation support. The families of wards 4, 5, and 6 (1,889 people) have less access to year-round water than their neighbors. The 150 families of ward 5 have been selected as primary beneficiaries as their land contains sufficient water sources, and lacks only infrastructure.



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### ACTIVITIES

#### Irrigation System Construction

[Start-up Budget for Ward 5 Technical Survey and Design - \$1,300 USD]

Share Nepal seeks a long-term partner in this multi-phase project. The activities briefly described below will be conducted on a timeline and implementation plan determined by Share Nepal, local government, and funding partners.

- Work with experts to survey land to identify sufficient water sources and design irrigation path and implementation plan.
- Dig and construct canals.
- Install distribution pipes to each farmer's field.
- Construct gabion walls to prevent landslides.
- Protect water sources from contamination.

### IMPACT

- Seasonal fruits, vegetables and off season crops can be grown.
- Adequate nutrition will be available for all families throughout the year.
- There will be more opportunities for income generation.
- The unemployment rate will decrease.
- Increased agricultural yield.
- Farmers will be able to farm areas that were previously unusable (steep and dry areas).

### COMMUNITY CONTRIBUTION

- Formation of committee to oversee the activities described above.
- Labor contribution equivalent to 15% of the total budget.
- Maintenance of the irrigation canal.

### MONITORING & EVALUATION

The following are potential M&E indicators identified by Share Nepal members. Final indicators will be developed with funding partner.

<b>Monitoring indicators</b>	<b>Evaluation indicators</b>
<ol style="list-style-type: none"> <li>1. Implementation progress according to projected timeline.</li> <li>2. Progress according to projected budget.</li> <li>3. Community acceptance of design.</li> <li>4. Quality of materials procured.</li> <li>5. Proper utilization of materials procured.</li> <li>6. Skill of laborers.</li> <li>7. Percentage of community contribution.</li> </ol>	<ol style="list-style-type: none"> <li>1. Amount of agricultural production.</li> <li>2. Socio-economic status of families.</li> <li>3. Nutritional intake of families.</li> <li>4. Health status of families.</li> <li>5. Number of families with food insecurity.</li> </ol>



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### BUDGET

Budget Head	Unit	Target	Rate	Amount (NRs.)	Amount (USD)
Technical survey					
Engineer's visit/survey	Day	3	7000	21,000.00	192.55
Assistant to Engineer	Day	3	4000	12,000.00	110.03
Field support persons	Day	3	1500	4,500.00	41.26
Transportation and communication	Day	25	2000	50,000.00	458.46
Management cost	Day	25	2000	50,000.00	458.46
<b>Total</b>				<b>137,500</b>	<b>1,260.76</b>

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