

### Project Fact Sheet- WISIONS Jatropha

<b>Project Title</b>	<b>Promoting Use of Locally Produced Jatropha Oil as a Sustainable Source of Rural Energy for Irrigation in Nepal</b>
<b>Project Period</b>	<b>Jan 1, 2009 – Sep 12, 2010</b>
<b>Donor</b>	<b>Sustainable Energy Project Support (SEPS), Wuppertal Institute for Climate, Environment and Energy (WISIONS)</b>
<b>Project Background</b>	Nepal is largely an agriculture based country where 80% of the population depends on agriculture for income and employment. However, poor irrigation facilities and access is one of the major reasons for low agricultural productivity in the country. To address this issue, WI-Nepal, with the support of Sustainable Energy Project Support (SEPS) Wuppertal Institute for Climate, Environment and Energy (WISIONS), carried out this project to promote the use of locally produced Jatropha oil as sustainable source of rural energy for irrigation in Nepal.
<b>Projective Objective</b>	<p>This project has main objective to build capacity of farmers to use Jatropha seeds from plants existing wildly and as hedges and through new plantations in waste lands to produce oil locally to operate pumps for irrigation. The specific objectives of the study are as follows:</p> <ol style="list-style-type: none"> <li>a) Improve collection of existing Jatropha seeds.</li> <li>b) Support appropriate pump technology</li> <li>c) Build capacity to locally produce and use Jatropha oil for pump irrigation, improve irrigation access and increase productivity of crops (Vegetable crop)</li> </ol>
<b>Activities/Components</b>	<p>The project activities covered 3 broad areas:</p> <ol style="list-style-type: none"> <li>1) Awareness creation and improve the collection of Jatropha seeds,</li> <li>2) Establishment of expelling centers and installation of community irrigation pumps, and</li> <li>3) Capacity building trainings on vegetable farming and irrigation to farmer for income generation.</li> </ol> <p>The project identified 3 communities in Siraha district of Nepal and mobilized 300 households to utilize existing seeds. Baseline surveys were carried out in 300 households (100 households in each community) to identify the income status of these households through Center for Integrated Rural Community Development, Nepal (CIRCOD-Nepal), the local partner in this project. A 10 member coordination committee was formed consisting of representatives of 10 farmers groups for the management of each expelling center. Various technical trainings were conducted to strengthen farmers' knowledge and skill in vegetable production.</p>
<b>Accomplishments</b>	<ul style="list-style-type: none"> <li>• 5 MT of Jatropha seed collected</li> <li>• 25 irrigation pumps and 3 expelling centers established</li> <li>• 103% (15.33ha) irrigated land increased</li> <li>• 35% vegetable production increased</li> <li>• Additional US\$ 94 per households/annum increased by improving production and productivity of vegetable crops</li> </ul>