Food Processing Cluster

Profile
Location: Krishnagiri, Tamilnadu
Major Products: Mango pulp, Fresh fruit
People Employed: 2,50,000 (Direct & indirect)*
Business Units: 73*
Turnover: Rs. 700 Crores*
CIC Host: Krishmaa Cluster Development Society (KCDS)
* Data provided by KCDS

Growth Challenges
Farming, fruit storage and handling
Solid and Liquid waste management
Product diversification

Pilot Innovation Activities

Solid Waste Management
- 60,000 tonnes of solid waste produced every season.
- Captive fuel briquetting unit prototype installed.
- Usage of briquettes results in estimated savings of Rs. 44,000 per day.

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost/tonne</th>
<th>Expenditure/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firewood</td>
<td>Rs. 5,000</td>
<td>Rs. 50,000</td>
</tr>
<tr>
<td>Briquettes</td>
<td>Rs. 1,000*</td>
<td>Rs. 6,000*</td>
</tr>
<tr>
<td>Savings</td>
<td>Rs. 4,000</td>
<td>Rs. 44,000</td>
</tr>
</tbody>
</table>

*Estimated manufacturing cost - Data provided by KCDS

Liquid Waste Management
- 1,50,000 cubic meters of liquid waste generated every season.
- An estimated 800 cubic meters of biogas produced by 100 cubic meters of waste per day.
- Successful pilot plant set up in 2 units.

Additional revenue generated for women and farmers.

Increasing shelf life of Mangoes
- Low shelf life of mangoes is obstacle for export.
- Pre and post harvest protocol from CFTRI piloted in 100 acres.
- 3 tonnes of mangoes shipped to U.K via sea.

Product Diversification
- Cluster members looking to enter new markets.
- CFTRI conducted training for women and SHGs on new products.