Philippine Rural Development Project (PRDP)

Seaweeds Farming in Guimaras Province, Philippines
What is the PRDP?

PRDP is a six-year (2014-2020) project designed to establish the government platform for a modern, climate-smart and market-oriented agri-fishery sector.

PRDP will partner with the LGUs and the private sector in providing key infrastructure, facilities, technology, and information that will raise incomes, productivity, and competitiveness in the countryside.

PRDP aims to increase household income of beneficiary farmers and fisherfolk of at least 5% per year.
Towards Inclusive Growth thru Broad-based Rural Agro-Industrial Development

**1. Subsistence Farmers and Marginal Fishers – Food Security and Marketable Surplus**
- Increase productivity, reducing vulnerability
- Improving services
- Diversify livelihood support

**2. Smallholders in Transition – Farms to Market Links**
- Diversification into high-value activities
- Linkages to value chains
- Rural non-farm enterprises for income boost
- Risk management to withstand shocks

**3. Commercial Smallholders – Full Market Integration**
- Create efficient markets and value chains
- Address over-regulation and other distortions in markets, reduce transaction costs
- Support regulatory and agribusiness reform
## Cost Estimates and Financing (P million)

<table>
<thead>
<tr>
<th>Component</th>
<th>Loan Proceeds</th>
<th>Grant</th>
<th>National Government</th>
<th>LGU</th>
<th>Total</th>
<th>% (Total Program Cost)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrastructure</td>
<td>14,830.01</td>
<td>-</td>
<td>1,853.75</td>
<td>1,853.75</td>
<td>18,537.51</td>
<td>67.32</td>
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<tr>
<td>Enterprise</td>
<td>4,100.00</td>
<td>229.60</td>
<td>1,332.50</td>
<td>1,264.44</td>
<td>6,926.54</td>
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<td>Program Support</td>
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<td>-</td>
<td>246.00</td>
<td>-</td>
<td>1,230.00</td>
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<tr>
<td>Local Planning</td>
<td>586.00</td>
<td>57.40</td>
<td>146.50</td>
<td>-</td>
<td>789.90</td>
<td>2.87</td>
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<tr>
<td><strong>Total Base Cost</strong></td>
<td><strong>20,500.01</strong></td>
<td><strong>287.00</strong></td>
<td><strong>3,578.75</strong></td>
<td><strong>3,118.19</strong></td>
<td><strong>27,483.95</strong></td>
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<tr>
<td>Front-End-Fee</td>
<td>51.38</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>51.38</td>
<td>0.19</td>
</tr>
<tr>
<td><strong>Total Program Cost</strong></td>
<td><strong>20,551.39</strong></td>
<td><strong>287.00</strong></td>
<td><strong>3,578.75</strong></td>
<td><strong>3,118.19</strong></td>
<td><strong>27,535.33</strong></td>
<td><strong>100.00</strong></td>
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<tr>
<td>Financier Share</td>
<td>75%</td>
<td>1%</td>
<td>13%</td>
<td>11%</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>
Province of Albay

Geonets Manufacturing

Coconut Areas (has): 5,204.67
Annual Production (kgs): 6,245,604

Concreting of Pistola - Tablon 15.03 km Farm to Market Road

Libon Municipal Office
Oas Municipal Office
Geo-Tagging: An Innovative Tool to Enhance Transparency and Supervision of Development Projects
Subproject supervision and monitoring
Geo-Tagging: An Innovative Tool To Enhance Transparency and Supervision

Geo-tagging: track / area of Marine Sanctuary Rehab subproject in relation to underwater photos.
Scope: 33 MPAs in six (6) target sites involving seven (7) PLGUs and 21 MLGUs

- Tayabas Bay
- Guimaras Strait
- Green Island Bay
- Danajon Bank
- Ticao-Burias Pass
- Guiuan Coast
Interventions in Guimaras

PRDP provides funding support to the P/MLGUs and partner Proponent Groups (PGs) covering logistics on seaweeds production, infrastructure, marketing and other necessary support facilities (such as dryer, processing facilities, etc.)

Through PRDP, in-depth technical assistance will be provided to the PGs to enhance their skills and broaden their knowledge on various practical climate change-smart strategies and methods on seaweeds farming and production towards sustainable productivity and enterprise operations;
Seaweeds Value Chain Analysis

Functions

Input Supply
- Provision of seedlings, soft-tie, rope, posts, floaters

Production
- Farm Setup
- Planting
- Farm Care
- Harvesting

Field Processing
- Drying
- Cleaning

Trading
- Receiving
- Weighing
- Payment
- Bagging
- Storage

Processing
- SRC Production

Final Sale

Operators

Activities
- nursery operators
- agri-vet stores

farmers
- associations

Bgy Traders

Municipal Traders

Seaweed processors

raw seaweed exporter

Domestic Market

Export

85%
THE Guimaras Seaweeds Production and Marketing Project of the Punobolon United Fishermen Association (PUFA)-Proponent Group

Similar to other PRDP-GEF target sites, the partner Proponent Groups (PGs) are also the local managers of their existing Marine Protected Area (MPA) – the local stewards towards protection and conservation of their coastal and marine resources
Target Outcomes

The Proponent Group (PG) aims to increase each member’s annual income by 58.27%, from USD 1,651.34 to USD 2,613.59*;

Produce high quality Raw Dried Seaweeds estimated at 73.75 MT- annually from a four (4) hectares seaweeds farm;

Reduce fishing pressure within the coastal areas in the locality, thereby increase in fish diversity and coastal ecosystems & habitats regeneration & recovery in the area.

*total production in 5 cycles per year from a 4-hectare seaweed farm
Cultured Species

Kappaphycus striatum
Previously know as Eucheuma alvarezii, Euchema cotonii
(cottonii in commerce)
Locally known as “Sacol” variety

Kappaphycus alvarezii
(cottonii in commerce)
Locally known as “Guso” in the Visayas region and “Timbalang” in the Mindanao region
Management and Current Farming Methods

- Fixed off Bottom or Stake Method
- Floating Monoline Method
- Vertical Line Method
- Floating Raft Method
Thank you

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www.daprdp.net