

RESPONSE TO RTEC COMMENT
SETUP CORE ☐ LOCAL GIA ☒

Project Title:	Solar Powered Water Pumping System for Sustainable Water Supply in Sta. Cruz, Marinduque
Beneficiary:	Marissa R. Martinez Mayor LGU-Sta. Cruz
Province:	Marinduque
Amount Requested:	Php 1,879,000.00

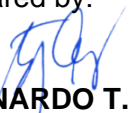
RTEC COMMENTS	RESPONSE																								
Provide computations for the payments to be collected from each household to justify the amount	<table> <tr> <td>Total population :</td><td>2756</td></tr> <tr> <td>Number of households :</td><td>689</td></tr> <tr> <td>Average household size:</td><td>4</td></tr> <tr> <td>Daily water requirement for domestic use:</td><td>110,240 liters</td></tr> <tr> <td>(40L/person/day)</td><td></td></tr> <tr> <td>Water pump capacity:</td><td>17,000 liters per hour</td></tr> <tr> <td></td><td>136,000 liters / 8-hr operation</td></tr> <tr> <td>Cost of equipment:</td><td></td></tr> <tr> <td>1 set of 12.4 KW Hybrid Solar Powered Water Pumping System (DOST-MIMAROPA counterpart)</td><td>P1,679,000.00</td></tr> <tr> <td>Investment per capita</td><td>P609.21</td></tr> <tr> <td>Average gross per month Residential -Less than 10cubic meter - ₱100.00 / Household</td><td>689 Households x P100.00= P68,900.00/Month</td></tr> <tr> <td>ROI =P1,679,000/P68,900.00</td><td>24 Months or 2 years</td></tr> </table> <p>Page 4 and 5 of the Project Proposal</p>	Total population :	2756	Number of households :	689	Average household size:	4	Daily water requirement for domestic use:	110,240 liters	(40L/person/day)		Water pump capacity:	17,000 liters per hour		136,000 liters / 8-hr operation	Cost of equipment:		1 set of 12.4 KW Hybrid Solar Powered Water Pumping System (DOST-MIMAROPA counterpart)	P1,679,000.00	Investment per capita	P609.21	Average gross per month Residential -Less than 10cubic meter - ₱100.00 / Household	689 Households x P100.00= P68,900.00/Month	ROI =P1,679,000/P68,900.00	24 Months or 2 years
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Assure that the water to be generated are sufficient and of good quality for	The Daily water requirement for domestic use is 110,240 liters while the Water pump capacity is 136,000 liters / 8-hr operation. (page 4 of proposal)																								

“Hatid ay makabagong solusyon!”



consumers, include water analysis to the responsibility of the proponent	LGU-Sta. Cruz through the Municipal Health Office will conduct water analysis at least twice a year to ensure the safety of the consumers. (page 6 of proposal)
Indicate the sustainability plan in the proposal	Page 4 and 5 of the Project Proposal
Add in the responsibility of the LGU the assistance they will provide to DOST in gathering baseline data.	The LGU provided all the necessary baseline data to PSTO thru the conduct of Technology Needs Assessment. Moreover, it will indicated in the MOA that the LGU shall allow DOST-MIMAROPA to monitor and collect necessary data/information when required during the project duration.

Prepared by:


BERNARDO T. CARINGAL
PSTD
PSTC MARINDUQUE

"Hatid ay makabagongsolusyon!"

PostalAddress

DOST-MIMAROPA
4/F PTRI Bldg. Gen. Santos Ave., Bicutan, Taguig City
8837-3755

E-mail Address

official@mimaropa.dost.gov.ph

Telefax no.

URL

<http://www.region4b.dost.gov.ph>