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MAR 08 2011

DENR MEMORANDUM CIRCULAR
No. 2011- **01**

**SUBJECT : GUIDELINES AND PROCEDURES IN THE
IMPLEMENTATION OF THE NATIONAL GREENING
PROGRAM**

Pursuant to Sec. 2.6 of Executive Order (EO) No. 23 and EO 26, both series of 2011, mandating the DA-DAR-DENR Convergence Initiative to develop a National Greening Program in coordination with DepEd, CHED, DSWD, DBM, private sector and other concerned agencies and institutions; and declaring the implementation of the National Greening Program as a government priority; respectively, and in order to provide guidance for DENR and NGP partners-implementers and participants through a common framework and understanding on the mechanics of implementation, the following guidelines and procedures are hereby issued:

Section 1. Objectives. The National Greening Program (NGP) shall aim to:

1. Contribute in reducing poverty among upland and lowland poor households, indigenous peoples, and in coastal and urban areas;



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The effect of the National Greening Program on the socioeconomic status of smallholders in Caibiran, Biliran, Philippines

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Map of study site:



Caibiran, Biliran Province, Philippines
(Brgys Kawayanon, Cabibihan, Villavicenta)

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The study:

1. Determined if there was improvement in the **SES** of participants after NGP's full implementation;
2. Ascertained other factors and processes that contributed to improvement, persistence or deterioration of the **SES**; and



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The study:

3. Determined respondents' recommendations to improve similar programs in the future.



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Research Method

Mixed-methods: quantitative & qualitative

Research Instrument:

- same instrument for **Jan 2014 baseline** and **June 2016 endline** surveys principally designed to measure **SES**
- Another instrument for the **Mar 2015** midterm survey

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Measuring Socioeconomic Status

SES: social construct that refers to position in the social hierarchy

Indicates access to collectively desired resources

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Measuring Socioeconomic Status

Measuring SES is an important concern in development because:

- It captures changes in structure of society & people's or grp's position in society over time.
- It tells stakeholders whether devt intrvntn enabled target grps to improve position in society.

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In this research, SES was determined through:



Housing quality



Durable assets



Livestock owned



Food eaten

Scores were assigned to indicators using arbitrary weighting

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Sample indicators for housing quality

Indicator	Score
Residential lot ownership	
-owned with title	10
-with tax declaration/title on process	8
-owned by parents or with siblings	6
-rented	4
-not owned, not rented, but w/ permit from owner	2
-squatting	1
Ownership of house	
-owned	5
-rented	3
-inherited	2
-not owned, not rented but allowed by owner to reside	1

Sample indicators for housing quality

Indicator	Score
Toilet facility	
-Flush type inside house connected to septic tank or sewer system	6
-Flush type outside house but within compound connected to septic tank or sewer system	5
-Flush type inside house connected to river	4
-Flush type outside house but within compound connected to river	3
-Pit/latrine toilet outside house (pit toilet is dry toilet without water seal)	2
-Public toilet	1
-None at all	0
Lighting source	
-Electrical connection (own legal connection)	4
-Electrical connection (illegal, hitching to other's connection)	3
-Kerosene lantern (Petromax)	2
-Oil/kerosene lamp/candle	1

Indicators for assets owned

Indicator	Score	Indicator	Score
Motorbike	3-5	Electric stove	1-2
Hand Tractor	3-5	Electric fan (ceiling, stand or table)	1-2
TV w/ cable	3-4	VCD/DVD	1-2
Laptop Computer	2-3	Bike	1-2
Gas range (LPG) with tank	2-3	Radio/cassette	1
TV	2-3	Wheel barrow	1
Refrigerator	2-3	Metal plow	1
Washing machine	2-3	Metal harrow	1
Desktop Computer	2-3	Mechanical weeder	1
Telephone w/ internet	2-3	Kerosene stove	1
Ipad/Tablet	2-3	Yoke	1
Blender	2-3	Spade	1
Cellphone	1-2	Digging Fork	1
Telephone w/out internet connection	1-2	Hoe	1
Sewing machine	1-2	Axe	1
Gas stove (LPG) with tank	1-2	Other tools used in farm or on a trade	1
Rice cooker	1-2		

Indicators for livestock owned

Livestock owned	Score
Carabao owned	7 points for each carabao owned (it must be owned)
Cow owned	6 points for each cow owned
Goat/sheep owned	3 points each
Pig owned	2 points each
Chicken/duck	1 point each

Note: for livestock not owned, but only cared for, only half score was given for each animal. While the household did not own the livestock, they invested on its care and generate income from its use.

Indicators for food eaten

Indicator	Score
Breakfast, lunch & dinner (possible combination)	
Rice/cassava with meat sometimes	6
Rice/cassava/rootcrops combined with either canned good/fish/egg/hotdog	5
Rice/rootcrops with vegetables/noodles (e.g., odong, mishua, maggie)	4
Rice/rootcrops with dried fish	3
Corn with vegetables/noodles	3
Rice/rootcrops/bread with coffee alone	2
Rice/Rootcrops alone	1
No breakfast/lunch/dinner	0
Note: if combination is not the same as above, write it for score determination later.	
Snack (morning/afternoon)	
Bread/biscuit with coffee/juice	4
Bread/biscuit with water	3
Coffee alone	3
Homemade delicacies	2
Rootcrop	1
None	0



Quantitative

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Comparison 1

**Non-
CFPBA
Members
14**



2014 SES vs 2014 SES

2016 SES vs 2016 SES

Mann-Whitney U Test



Comparison 2



**2014 SES
vs
2016 SES**

**Wilcoxon
Signed-Rank
Test**

**2014 SES
vs
2016 SES**



Comparison 1a Result



2014 SES vs 2014 SES

Not significantly different

**Meaning, the 2 groups were at the same level
socioeconomically in 2014**



Comparison 1b Result



2016 SES vs 2016 SES

Not significantly different

**Meaning, NGP involvement did not significantly
elevate CFPBA members' SES over that of
non-members**



Comparison 2 Result



2014 SES

vs

2016 SES

**Significantly
Different**

**Meaning, CFPBA
members' SES
significantly
improved**

**in 2016, while that of
non-members didn't.**

2014 SES

vs

2016 SES

**Not Significantly
Different**



QUALITATIVE

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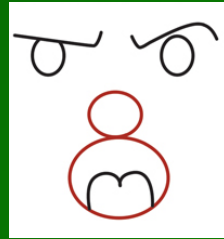
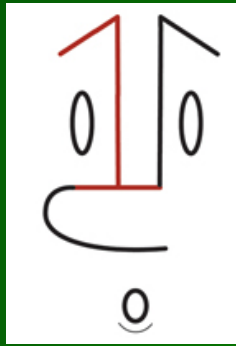


When asked whether they fared better than their non-CFPBA member neighbors, **CFPBA** respondents said that they did not notice any difference.



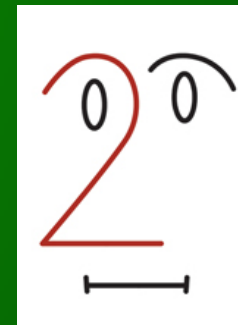
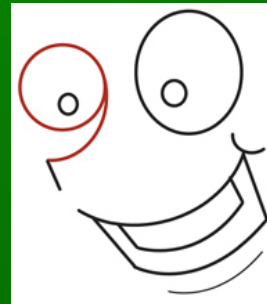
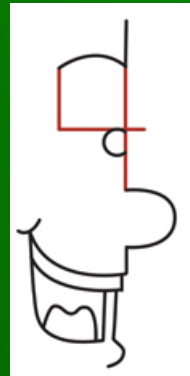
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Statistics show that CFPBA respondents' SES significantly improved.

However, their own personal assessment of their socioeconomic condition shows a different story.



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**The reason they offered for
perception of similarity in
SES w/ nonCFPBA
members:**

**absence of a sustainable livelihood
component**

**the livelihood option as contractor of NGP is
irregular, short term, deficient & inefficient**

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A bit of optimism? If....

Respondents said that what they planted have very little chance of survival because seedlings:

- were not of the best quality,
- not suited to the condition of the plantation site, &
- could not be properly cared for.

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Other deficiencies:

- Rushed implementation
- Disregard of local knowledge
- Site-species mismatch
- Weak extension service
- Delayed release of funds forced PO into debt
- Meager payment for PO services
- Burning of plantations



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Asked what would they have done if they were the managers of the NGP, the respondents said they would have:

- Established a sustainable livelihood component
- Consulted with local farmers, esp on appropriate tree species to plant

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Asked what would they have done if they were the managers of the NGP, the respondents said they would have:

- Ordered the planting of more trees per hectare
- Increased budget per hectare to cover more trees
- Hired more extension officers

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An illustration of a tree with a brown trunk and a canopy shaped like an open hand, set against a green background with a faint mountain silhouette.

The researchers also suggest:

- Incorporation of values on environmental conservation and community sacrifice
- Creation of sense of ownership and responsibility

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Thank you!

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