Ensuring Food, Nutritional and Livelihood Securities for Marginalized Communities affected by Displacement, Distress Migration and Chronic Poverty

Presented By:
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Eco-Village Development (AGRAGAMEE)
Means ‘pioneer’ or ‘marching forward’. Started to work in Kashipur block of Rayagada District, Odisha in 1981 as “Social Work & Research Centre (Odisha)” and was registered separately as AGRAGAMEE in April 1987.

Agragamee is a group of farmers, social scientists, educationists, engineers, artisans, and thinkers committed to equality, justice & a world without hunger.

The **Unique Selling Point** of Agragamee is **Collective Interventions** for Sustainable Development of the Tribal Communities.

We work in some of the remotest parts of the country, with the poorest tribal people, with integrated approach of “food and voice”.

www.agragamee.org
CONCEPT OF ECO-VILLAGE DEVELOPMENT

• An eco-village is a community that holistically integrates ecology, economic, social and cultural dimensions of sustainability in order to regenerate social and natural environment by the local participatory processes.

• The motivation behind these eco-villages is to bring the people back close to the nature and reverse the gradual disintegration of supportive social structures.

• The concept of eco-village basically gives importance on the low-impact approach of living harmoniously with the nature choosing an alternative and sustainable mode of functioning.
Agragamee is a staunch promoter of the "Eco-Village Development" concept that stems from Mahatma Gandhi's idea of Gram Swaraj.

It aims at creating self-reliant, economically developed, harmonious villages securing sustainable livelihoods and improved standard of living of the people.

This has direct impact on health, social life and poverty reduction. Natural resources like land, water and forest have been managed to sustain the main livelihood resources of the target population.
THE IDEOLOGY

• GANDHIAN IDEOLOGY OF GRAM SWARAJ
• SOCIAL, ECONOMIC AND ECOLOGICAL SUSTAINABILITY
• AGROECOLOGICAL PRINCIPLES- ORGANIC MANURES, ORGANIC PESTICIDES, INDIGENOUS AND LOCAL SEEDS, BIODIVERSITY CONSERVATION
• ECOLOGY OF THOUGHT AND ACTION
Project Title:
“Ensuring Food, Nutritional and Livelihood Securities for Marginalized Communities affected by Displacement, Distress Migration and Chronic Poverty”.

Overall Objective:
- Increased self-reliance of poor tribal communities in Nabarangpur District of Odisha.

Specific Objective:
- 700 (300 new farmers + 350 old farmers + 50 landless) tribal families from 25 (10 new + 15 old) villages will improve their livelihoods and capacity to cope with the impact of climate change with special focus on increased and sustainable agricultural production and value addition, income and development of Community Based Organisation.
- Through the project 300 new farmers from 10 villages will benefit from improved agriculture and market linkages and improve their capacity to cope with changing climatic conditions.

Location: Project is situated at Tentulikhunti Block in Nabarangpur District, Kashipur Block of Rayagada District of Odisha in India.

Project Period: 1\textsuperscript{st} Oct. 2017 to 31\textsuperscript{st} Dec. 2021

Project Funded By: BMZ/Karl Kubel Stiftung, Germany
Project is situated in Tentulikhunti Block of Nabarangpur district of Odisha. Total 10 villages in 2 G.P.s are included in the project.
Key Components of Eco-Village Development

- Establishment of Family Farm
- Development of Commons (Community Land)
- Irrigation Development
- Seed-Cum-Grain Bank
- Production of Organic Manures, Pesticides and other Inputs
- Supply of Smokeless Chullah (Climate Smart HH Amenity)
- Support to Women Headed Households for IGP
- Formation & Strengthening of Women Groups
- Training and Capacity Building of Community Farmers/Leaders/Mobilisers
- Farmers Field School
- Formation and Strengthening of Farmers Producer Company
The Journey of

“ECO-VILLAGE DEVELOPMENT”

(2018-2021)
Micro Level Planning in 10 Villages of Tentulikhunti Block, Nabarangpur
Community Mobilization through Video Documentary Show at Kandraguda Village
The family farms concept seeks to enable each family have access to some land, which will provide them a significant portion of their livelihood needs.

The objective of the family farm is to enable the farmer in the tribal areas of Nabarangpur district to improve the production from rainfed systems, and decrease the areas under shifting cultivation & inorganic cultivation.

Family Farms are part of the entire Eco-Village system, that integrated with other land use systems, such as mixed plantations for livelihoods, permanent income generating tree crops; and low-land irrigated agricultural systems.

To begin with we encourage practitioners to target to establish one acre of family farm to each family.

Success of this farm needs dialogue and understanding, and persistence over a minimum period of 4 to 5 years, to enable results to start emerging.
Layout for Establishment of 1 acre Family Farm at Kapatsil Village of Pujariguda G.P.

Layout for Pit Digging at Kandraguda Village, Pujariguda G.P.
Green & Stone Fencing in Family Farm in 10 Villages
Nursery Raising & Management by Women Group and Youth in 10 Villages
Plantation of Fruit Crops & Nutritional Plants in Family Farm in 10 Villages
Glimpse of Fruit Production in Family Farm
Nutritional Plants in Family Farm

- Moringa
- Papaya
- Banana
- Custard Apple
- Amla
Forest Species in Family Farm

Jafra

Jackfruit

Broom
Special Promotion of **Jackfruit Plantation as Climate Smart Agro Forestry**
Intercropping:

- To increase the productivity of the soil and ultimately production of the crop, vegetables have taken up as intercropping by 300 farmers in family farm in 10 villages.
Contd...
Promotion of Millet as Climate Resilient Crop

- 272 farmers have cultivated Millets under SMI (System of Millet Intensification) and Line Transplanting as intercropping in their family farm in 10 villages.
Contd...
Annual Cropping:

- Short duration local paddy, arhar (kandul) and green pea have cultivated as annual cropping by 286 farmers in family farm in 10 villages.
Promotion of **Local Paddy Varieties** in **10 Eco-Villages**
Agragamee has encouraged 700 progressive farmers to establish one acre of family farm in 700 acres of land in 25 villages.
700 acres of **WASTE LAND** converted into **FAMILY FARM** based on Agro-Forest system with increased agriculture-horticulture production by 60% in 25 villages.
Seed cum Grain Bank
Farmers of Eco-village Development Project during the procurement of Millet at Pujariguda Mandi, Tentulikhunti Block
Polishing and Flouring Mills for Processing of Millet, Turmeric and Rice
Processing and Value Addition Training of Millets
Bio input/ Organic /Natural Farming promotion/ Improving Soil Health:

Organic Liquid Manure
Irrigation Development (405 acres of land irrigated through 27 Farm Ponds, 134 Water Storage Tanks, 15 Intake Wells and 26 Lift Irrigation Systems)
Family Farm Pond for Irrigation at Kandraguda Village, Pujariguda G.P., Tentulikhunti Block, Nabarangpur
WATER STORAGE TANK

Village: Kapaksil
Panchayat: Pujari
Size: 8' x 4'
Estimated Cost: Rs. 10,000/
Funded By: BMZ/KKS
Implemented By: AGRAGAMEE
Bamboo Drip Irrigation System
In Situ Sub-Soil Moisture Conservation
Distribution of Fish Fingerlings (Rui, Katla) among 12 family farm pond holders of in 7 villages (Padaunli, Godigaon, Kapatsil, Kadamali, Kandraguda, Bageipadar, Chalanmunda).
Glimpse of Fish Production (250 KG) from one Farm Pond by the women group at Kandraguda Village, Tentulikhunti Block
Media Coverage of Fishery by the Women Group of Kandraguda Village in Tentulikhunti Block
Climate Smart Amenities: Smokeless Chullah

- 350 nos. Smokeless Chullah have distributed among 350 beneficiaries in 10 villages of Pujariguda and Lamtaguda Gram Panchayats.
Capacity Building of Indravati Women Federation

Training and Capacity Building of Indravati Women Federation
Venue: Goudaguda, Tentulikhunti
Date: 12th May 2019

Supported By: AGRAGAMEE
Implemented By: AGRAGAMEE
Meeting of Board Members of NABAGAMEE Farmer Producer Company
FPO Business Activities: 412 tones of Mangoes from Family Farm on Board for Marketing through FPC to Raipur, Vizag, & New Delhi
Support for Grocery Shop as Livelihood Enhancement Activity for Youth
## GO-NGO Convergence Activities in 10 Villages of Tentulikhunti Block

<table>
<thead>
<tr>
<th>Department</th>
<th>Activities</th>
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<tbody>
<tr>
<td><strong>Soil Conservation Dept.</strong></td>
<td>• Farm Pond – 43 nos. in 16 villages</td>
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<td>• Check Dam – 1 no. (Kandraguda village, Pujariguda G.P.)</td>
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<td><strong>Agriculture Dept.</strong></td>
<td>• Agri-Inputs (Millet Seeds) - 272 farmers</td>
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<td>• Promotion of Millet Activities – 209 acres, 132 farmers</td>
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<td><strong>Horticulture Dept.</strong></td>
<td>• Cashew Plantation – 82.5 acres, 48 farmers in 5 villages</td>
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<td></td>
<td>• Promotion of Millet Activities – 209 acres, 132 farmers</td>
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<tr>
<td><strong>Block Administration</strong></td>
<td>• Land Development – 100 acres, 100 farmers in 5 villages</td>
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<td>• Social Security Schemes - 546 beneficiaries benefitted from different Social Security Schemes like Old Age Pension, Widow Pension, PM Awas Yojana, Ration Card and Job Card.</td>
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A group of women has engaged in land development work under MGNREGS at Godigaon village, Tentulikhunti Block, Nabarangpur
A group of women has engaged in farm pond work under MGNREGS at Godigaon village, Tentulikhunti Block, Nabarangpur.
Renovation Work of Check Dam at Kandraguda Village by Soil Conservation Dept.

Before

After
Media Coverage of the Success of MGNREGS Work in Tentulikhunti Block

The success of the MGNREGS work in Tentulikhunti Block has been widely reported in the media. The project, which aimed to provide employment opportunities to local residents, has been praised for its positive impact on the community.

The project was implemented with the help of the Ministry of Rural Development, Government of India, and the state government. The success of the project was attributed to the hard work of the local administrative officials and community leaders.

The project has led to the creation of many jobs for the local residents, which has helped to improve their standard of living. The project has also helped to develop the infrastructure in the area, which has further boosted the local economy.

The success of the MGNREGS project in Tentulikhunti Block is a testament to the importance of investing in rural development projects. It is hoped that other rural areas will also benefit from similar projects in the future.

Image: A group of people gathering for a meeting to discuss the MGNREGS project in Tentulikhunti Block.
Distribution of Vegetable Mini Kit by Dept. of Horticulture
Promotion of Millet Cultivation by Dept. of Agriculture
Meeting on GO-NGO Convergence Activities in Tentulikhunti Block (FY 2020-21)

Meeting on GO-NGO Convergence Activities in Tentulikhunti Block (FY - 2020-21)

Venue: Collectorate Conference Hall, Nabarangpur
Date: 1st February 2021

Supported by
BMZ/KCKS

Meeting on GO-NGO Convergence Activities in Tentulikhunti Block (FY - 2020-21)

Venue: Collectorate Conference Hall, Nabarangpur
Date: 1st February 2021
Review Meeting of Eco-Village Development Activities by the District Administration of Nabarangpur
Field Visit of Dr. Ajit Kumar Mishra, Ex-Collector & Dist. Magistrate, Nabarangpur to Eco-Village Development Project Area in Tentulikhunti Block
Glimpse of Director’s Field Visit to Eco-Villages in Tentulikhunti Block
Key Achievements of Eco-Village Development

• 700 acres of **WASTE LAND** converted into **FAMILY FARM** based on Agro-Forest system with increased agriculture-horticulture production by 60% in 25 villages.

• 405 acres of land irrigated through 27 Farm Ponds, 134 Water Storage Tanks, 15 Intake Wells and 26 Lift Irrigation Systems.

• 1250 tribal families have increased their income by 52% and their savings have augmented from INR 1500/- to INR 78,250/-.

• Seasonal migration has reduced from 24% to 2% due to establishment of Family Farm and GO-NGO convergence activities in 25 villages.

• Total **INR 13.3 Million** revenue have generated through **412 tonnes of Mangoes** (INR 7 Million), **46 tonnes of Cashew** (INR 3.9 Million) and **72 tonnes of Millets** (INR 2.4) from **FAMILY FARM and VILLAGE COMMONS** (established in the project since 2014) which have marketed by 400 farmers facilitated by **NABAGAMEE Farmer Producer Company** in 2021.

• The revenue cost of these production is 45% of the total cost of the project (INR 29.3 million) which will be continued in the upcoming years.

• Total **INR 4.8 Million** have raised as **Local Contribution** of the project (2017-2021) through **GO-NGO Convergence Activities** based on Family Farm and Irrigation Development.