

ISLAND TRUST- TAMWED

CLIMATE FUTURES Interim Report January to March 2015

A. NAME OF PROJECT

Climate Futures

Climate Change Adaptation and Mitigation Awareness and Reduction

B. REPORTING PERIOD

1st January 2015 to 31st March 2015

C. REPORT COMPLETED BY:

Mr. B.PremKumar. MBA - Climate Change Project Manager.

Supervised by:

Mr. M.L. Alphonse Raj - Managing Trustee.

D. AIMS OF PROJECT:

- Raise awareness about the cause and effect of climate change;
- Help those most affected by climate change to adapt to its effect;
- Work with NGOs, academics and government departments on climate change issues and policy.

E. OBJECTIVES OF PROJECT

- Directly engage 600 tribal families in project activities;
- Form Climate Change Action Groups in villages, schools and colleges;
- Set up events to improve collaboration on climate change action and policy;
- Set up training programmes for farmers in the latest agricultural-adaptation techniques;
- Introduce and test the latest alternative energy and irrigation techniques.

F. ACHIEVEMENTS DURING THIS PERIOD IN RELATION TO OBJECTIVES:

1. Baseline Survey:

The project carried out a baseline survey with the 15 new villages. Totally 150 people have been interviewed and their understanding of climate change has been recorded and consolidated. A sample of the Survey form is at **ANNEX A**.

2. Monitoring and Advisory Group (MAG) meeting:

As per the Action plan, MAG meeting was held in Kotagiri on 23.01.2015 with the selected organic cultivation members, climate change project manager, ADI project coordinator, agri-officer from the horticulture and the Executive secretary. The meeting explained the projected activities. 6 MAG members actively participated and the discussion about the use of organic manure in the vegetable

3. Selection of farmers for Organic farming and nursery development:

Cultivation in the proper season and the purpose of using organic manure was explained elaborately. In organic farming and nursery development cultivation we identified the following three farmers from various villages with water facility: Mr. ChinnaSamy-Anilkadu- 5cents; Mr. Iriyan-Kilkundha- 5cents; Mr. Nanjundan- Sedikal- 10 cents. These farmers were given various type of seeds (50gm): Brinjal (purple); Brinjal (Valudhananga); Tomato; White shot; Ladies finger; Bitter Gourd; Chili; Greens; Cucumber.

4. Training in organic farming and nursery development for famers, staffs and volunteers:

A two-day training programme was facilitated by Mr. Ricardo Valbueria and Mrs Hsiaoting Hung about Permaculture and Organic farming which included a demonstration of Vermi Bed Compost and a Kitchen Garden.³⁷ Tribal farmers from Mettukal, Kambiyur, Paviyur and Banglapadigaitook part along with Island Trust staff. Mr. Valbueria gave a detailed training on Permaculture (Permanent Culture) and Organic Farming through convincing video presentations. Mrs. Hung gave a demonstration on Vermi Bed Compost, Kitchen Garden and Observation Exercise on land and concrete floor, banana circle pit. A demonstration of a Vermi bed was given by Mr. Ricardo in a step-by step process. The pit was dug in the Island Trust and the work is in progress. Information on Permaculture and a diagram of a Vermi Bed is given at **ANNEX B**.

G. ADDITIONAL INFORMATION:

1. Contribution of Motorbike by Chelmsford Star Co - operative Society and Laptop by TAMWED:

A motor bike (BAJAJ - Platina 100cc) worth **Rs. 55,000** and Laptop (Asus) worth **Rs. 32,500** were bought for use by Climate Futures project staff to access tribal villages. Photographs of the motorbike are at **ANNEX C**.

2. Government Grant:

A Government grant of Rs 528,610 (around £5,400) was mobilised in February 2015 for equipment, saplings, manure and nutrients for use by tribal famers. These are listed at **ANNEX C**.

H. SUGGESTED CHANGES TO PROGRAMME OR BUDGET

None

I. BUDGET UPDATE

TAMWED- CLIMATE FUTURES 2015				
S.NO	Budget Head	Budget FOR 12 MONTHS	EXPENSES UP TO JAN'15 - MAR'15	BALANCE
1	PROJECT MANAGER	120,000	30,000	90,000
2	FIELD STAFF	42,000	10,500	31,500
3	STAFF TRAINING	40,000	10,000	30,000
4	AWARENESS PROGRAM	60,000	5,000	55,000
5	SEEDS, TREES & PLANTS	50,000	5,000	45,000
6	IRRIGATION & SOLAR ENERGY	60,000	0	60,000
7	MICRO ENTERPRISES FOR TRIABL WOMEN	40,000	0	40,000
	TOTAL	412,000	60,500	351,500
8	MANAGEMENT & ADMIN	61,800	15,450	46,350
9	LAPTOP & MOTOR BIKE	60,000	87,500	-27,500
	G.TOTAL	533,800	163,450	370,350

Note on budget line No.9: With the approval of Mr. Oz vide his mail dated 02.03.2015 a new motor bike has been purchased for Rs.55,000. Rs.2,500 was overspent on the purchase of a new Asus Laptop. The excess amount will be paid by Island as their contribution.

ANNEX A

SAMPLE CLIMATE CHANGE SURVEY FORM

ANNEX B

PERMACULTURE AND VERMI-COMPOST MANURE PITS AND DEMONSTRATION

PERMACULTURE

Permaculture design emphasizes patterns of, function, and species assemblies. It determines where these elements should be placed so they can provide maximum benefit to the local environment. The central concept of permaculture is maximizing useful connections between components and of the final design. The focus of permaculture, therefore, is not on each separate element, but rather on the relationships created among elements by the way they are placed together;

பருவநிலை மாற்றம் குறித்த முன்னிலை ஆய்வு படிவம்
(CLIMATE CHANGE BASELINE SURVEY)
2015

தான் - 18/2/15

பெயர் - சி.சி.வி. துரைசாமிநாதன்
ஊர் - மலையாளம்

1. பருவநிலை மாற்றம் என்றால் என்ன என்று உங்களுக்குத் தெரியுமா?
(உலக வெப்பமயமாதல் என்பதன் பொருள்).
ஆம் உட்பட அகலிதிகள்

2. பருவநிலை மாற்றத்தை குறைக்க என்ன செய்ய வேண்டும்?
மரம் பண்ணி நீர் உணர்வு
மரத்தினால் நீர் உணர்வு
தயக்கை உடல் பயன்படுத்த வேண்டும்

3. பருவநிலை மாற்றத்தை குறைக்க நீங்கள் உங்கள் பகுதிகளில்
மேற்கொண்டுள்ள நடவடிக்கைகள் என்ன?
மரம் பண்ணி மரம் பண்ணி நீர் உணர்வு

.....
ஆய்வு மேற்கொண்டவர்
(கையொப்பம்)

S. சி.வி.
.....
பதல் அளித்தவர்
(கையொப்பம்)

the whole becoming. Permaculture design therefore seeks to minimize human labor, and energy input by building systems with maximal benefits between design elements to achieve a high level of. Permaculture designs evolve over time by taking into account these relationships and elements and can become extremely complex systems that produce a high density of food and materials with minimal input.

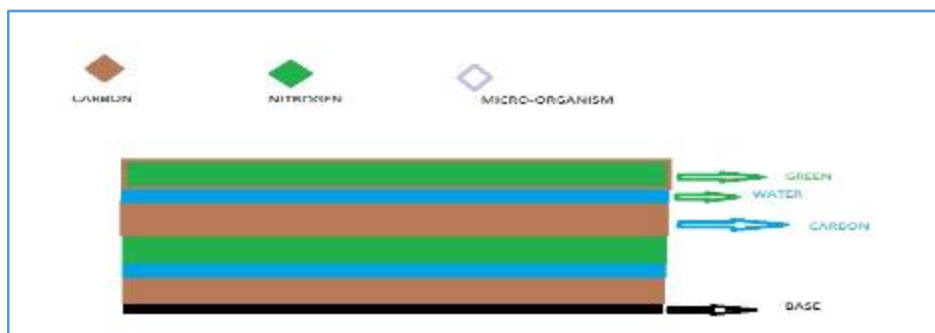
Twelve Design Principles:

Twelve Permaculture design principles are articulated in the book: **Permaculture: Principles and Pathways beyond Sustainability:**

1. **Observe and interact:** By taking time to engage with nature we can design solutions that suit our particular situation.
2. **Catch and store energy:** By developing systems that collect resources at peak abundance, we can use them in times of need.
3. **Obtain a yield:** Ensure that you are getting truly useful rewards as part of the work that you are doing.
4. **Apply self-regulation and accept feedback:** We need to discourage inappropriate activity to ensure that systems can continue to function well.
5. **Use and value resources and services:** Make the best use of nature's abundance to reduce our consumptive behavior and dependence on non-renewable resources.
6. **Produce no waste:** By valuing and making use of all the resources that are available to us, nothing goes to waste.
7. **Design from patterns to details:** By stepping back, we can observe patterns in nature and society. These can form the backbone of our designs, with the details filled in as we go.
8. **Integrate rather than segregate:** By putting the right things in the right place, relationships develop between those things and they work together to support each other.
9. **Use small and slow solutions:** Small and slow systems are easier to maintain than big ones, making better use of local resources and producing more sustainable outcomes.
10. **Use and value diversity:** Diversity reduces vulnerability to a variety of threats and takes advantage of the unique nature of the environment in which it resides.
11. **Use edges and value the marginal:** The interface between things is where the most interesting events take place. These are often the most valuable, diverse and productive elements in the system.
12. **Creatively use and respond to change:** We can have a positive impact on inevitable change by carefully observing, and then intervening at the right time.

VERMI-COMPOST MANURE PITS AND DEMONSTRATION

A demonstration of a Vermi bed was given by Mr. Ricardo from Columbia for the 30 tribal farmers in a step-by step process. The pit was dug in the Island Trust and the work is in progress.



ANNEX C

GOVERNMENT GRANT

A Government fund was mobilised in February 2015 for tribal communities. Hand and power sprayers were distributed to 10 beneficiaries and 25,000 pepper saplings and 6 various varieties of organic manure were distributed to 5 village Panchayath for around 37 beneficiaries.

TOTAL MOBILISATION FOR FEBURARY 2015 FOR TRIBAL COMMUNITIES			
ITEM	COST (Rs)	QUANTITY	TOTAL (Rs)
HAND SPRAYER	1500	5	7,500
POWER SPRAYER	3550	5	17,750
PEPPER SAPLINGS	5	25,000	125,000
		TOTAL	150,250

ORGANIC MANURE / NUTRIENTS	AMOUNT/PER KG MANURE	QUANTITY Kgs/Lit	TOTAL
Azosprilium (Kgs)	40	348	13,920
Phosphobacteria (Kgs)	40	348	13,920
Paecilomyuslilacinus (Kgs)	150	218	32,700
Pseudomonas fluoresens (Kgs)	75	218	16,350
Trichodermaviride (Kgs)	75	218	16,350
Panchagavya (Lit)	220	648	142,560
Dasagavya (Lit)	220	648	142,560
		TOTAL	378,360

GRAND TOTAL	Rs528,610
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GALLERY

Village Climate Change Survey 2015 by
Mr. PremKumar



Village Survey 2015 by Mr.KiriPalany



Land Identified for Nursery Development –
Anilkadu.



Nursery Development – Anil Kadu
Mr. Chinnasamy's Family.

Training on Permaculture and Organic Farming by Mr. Ricardo Valbuena from Columbia.



Observation
observation

Outdoor training for Tribal farmers- Nature Observation.



Kitchen Garden - Demonstration



Pepper plant distribution.



Seeds for nursery development.



Organic manure and nutrients.



New Motorbike launch by Ms. Kate Evans for Climate Change project.

Forest observation walk into Periasolai Reserve Forest with Providence College Students and TAMWED Volunteer Ms. Kate Evans.

