

*Proceedings Report*

# Climate Change Strategies and Finance Mechanisms

*One day Training Workshop*

*Held at Karaikal on 30 November 2018*



सत्यमेव जयते

Government of Puducherry

**DEPARTMENT OF SCIENCE, TECHNOLOGY & ENVIRONMENT  
PUDUCHERRY CLIMATE CHANGE CELL  
PUDUCHERRY**

## **Acknowledgements**

The Training Workshop on Adaptation Climate Change Strategies and Finance Mechanisms was held on 30<sup>th</sup> November 2018 at Holiday Farms and Resort, Karaikal.

The training workshop was organised by the Puducherry Climate Change Cell of Department of Science, Technology and Environment, Puducherry.

We would like to acknowledge the support of the Minister of Science, Technology and Environment, Minister of Agriculture, Members of Legislative assembly and Collector of Karaikal District.

We would like to acknowledge the sincere effort of the facilitators and resource persons from DSTE, Puducherry and NABARD, Chennai for sharing their knowledge and providing insights, inputs to the discussions.

A special thanks to media representatives for their wide coverage to the workshop in the public arena.

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### ***Workshop Supported by:***



Department of Science & Technology  
Government of India

## **Workshop Summary**

The Puducherry Climate Change Cell (PCCC) under the Department of Science, Technology and Environment, Puducherry, organized the Training Workshop on “Climate Change Strategies and Finance Mechanisms” with the aim of sharing information and best practices about climate change funds and in helping government agencies to build their capacity in accessing the existing pool of climate change finance from various sources. The workshop was supported by the Department of Science and Technology, Govt. of India and NABARD.

The Training Workshop was aimed at sensitizing the government officials and other stake holders on climate change issues of Puducherry Union Territory and to help them identify mitigation and adaptation needs, formulate suitable mitigation and adaptation action plans and access climate finance for climate change actions.

The Training Workshop was aimed at explaining the present global climate change scenario and climate change impact at national and regional level with specific reference to Karaikal. The National and State Climate Change Action Plans and the corresponding mitigation and adaptation actions that are under formulation or under implementation were also discussed along with various funding mechanisms available for climate change projects like National Adaptation Fund for Climate Change (NAFCC) and Green Climate Fund (GCF).

The training program was conducted with following major objectives:

- i) Climate Change Context in the UT of Puducherry with special reference to Karaikal.
- ii) Overview of Climate Change Finance & available funding mechanism.
- iii) Overview of NAFCC funding process and project formulation methodology.
- iv) Introduction to the GCF funding process and project formulation methodology.
- v) Brain storming session to identify suitable project proposals for Karaikal region for funding under NAFCC / GCF schemes.

The training program was conducted with diverse approaches in the likes of lectures, case studies, experience sharing, and interactive discussions. A brain storming session was conducted at the end of the training to identify suitable project proposals for Karaikal region for funding under NAFCC / GCF schemes.

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## Inaugural Function

### **Welcome Address:**

The Senior Scientific Officer, Dr. Sagaya Alfred, from the Department of Science, Technology and Environment, Puducherry, welcomed the Chief Guests, the participants and the Media. He briefly



introduced the Chief Guests on stage to the participants and gave a brief introduction about the training workshop.

### **Inaugural Address:**

The District Collector -cum- District Magistrate of Karaikal, Shri. R. Kesavan I.A.S., gave the Inaugural Address for the training workshop. He introduced the audience with the global scenario of Climate Change and also gave a detailed narration of the international governing bodies that work on Climate Change. He has also discussed the ideas, plans and researches that are undertaken by these International governing bodies to co-ordinate the countries of the world in working towards the rising concerns of the present Climate Change scenario.





### Special Address:



The Hon'ble Minister of Agriculture, Shri. R. Kamalakannan stressed on the fact that the growing concern of Climate Change is evident in the recent times with the increasing number of news in the mass media

and social media. He shared his knowledge on the natural and anthropogenic causes that is causing the present Climate Change impacts and urged that the general public should be more aware of the Climate Change impacts and should commit themselves towards bringing in life style changes that would mitigate Climate Change.

### Presidential Address:

The Hon'ble Minister of Science, Technology and Environment, Shri. M. Kandasamy, addressed the gathering with a note on the significance of the Department of Science, Technology and Environment's interest



in organizing such a Training Workshop and emphasized that such initiatives on working towards Climate Change are the need of the hour. The Minister said that several projects that could effectively improve the environment and livelihood of the people of Karaikal can be brought about with such Training Workshops with the aim of making Karaikal less vulnerable to impacts of Climate Change. The Minister announced that Rejuvenation of 25 Tanks and 32 Ponds is now under implementation in the region of Puducherry and soon such Rejuvenation project would be planned for the Tanks and Ponds in the region Karaikal as well.

## **Technical Session**

### **Session 1: “Climate Change Context in the UTP with special reference to Karaikal”**

**Mr. K. Kalamegam,**

**Junior Engineer,**

**Department of Science, Technology and Environment**

**Puducherry**

The Junior Engineer from the Department of Science, Technology and Environment Mr. K. Kalamegam gave a detailed presentation on Climate Change, wherein he introduced Climate Change as defined by international governing



bodies such as IPCC, NASA working on Climate Change and also gave introduction on Climate Change for the better practical understanding of the participants. He elaborated on the pressing issues of Climate Change, the various natural and anthropogenic causes that are causing Climate Change and its impacts and effects on the global population in the present time. He also stressed on the seriousness that Climate Change could bring in the livelihood of people in the near future and gave a precise comparison of the effects of climate change if the global average temperature continues to rise by 1.5°C - 2°C in the coming years. He then discussed the Climate Change scenarios pertaining to Karaikal region and the impacts and vulnerabilities that the region of Karaikal is prone to in the coming years. As a note of conclusion, he explained the Climate Change scenarios specific to India and the way the Government of India and the Puducherry Climate Change Cell under the Department of Science, Technology and Environment, Puducherry is working on various adaptation and mitigation programs as a measure of combating Climate Change.

## Session 2: “Overview of Climate Change Finance & available funding Mechanism”

**Ms. Shyampriya,  
Assistant General Manager,  
NABARD,  
Chennai.**

Ms. Shyampriya, Assistant General Manager, NABARD presented on Formulation of project under NAFCC. Shyampriya shared information on NABARD and its commitment towards Rural Development and Impact of Climate Change on



Rural Economy and Agriculture. She then elaborated on the details of the topic “Climate Financing” and India’s requirement of finance in terms of Climate Change and categorically explained the Domestic Financing Mechanism and the International Financing Mechanism. Various projects taken up by NABARD that are under progress across the states of India were also explained categorizing them on the basis of Adaptation or Mitigation projects. She also gave a gist of leveraging of additional capital under various other funds that could be availed in case if required for the completion of any project.



### **Session 3: “Overview of NAFCC funding process and project formulation Methodology”**

**Ms. Shyampriya,  
Assistant General Manager,  
NABARD,  
Chennai.**

Ms. Shyampriya, Assistant General Manager, NABARD presented on Formulation of project under NAFCC. Firstly, Ms. Sam Priya, AGM, NABARD, shared complete information on NAFCC Project Formulation, the right



way of approaching NAFCC with a project proposal, the proper ways of formulating a project before proposing to NAFCC, the right proposals that would get through NAFCC funding scrutiny, and the method of fund disbursement by NAFCC for the proposed project. She then gave a detailed step by step procedure that should be followed in project proposals, starting from Project/Programme Information, Project/Programme Justification and Implementation Agreement. She then summed up her presentation with information such as Knowledge Management for a project, Stakeholder Consultation, Risk Management, Monitoring and Evaluation arrangements, Budget Disbursement schedule and Result frameworks.

## **Session 4: “Introduction to the GCF funding process and project formulation methodology”**

**Mr. Mashar,  
Deputy General Manager,  
NABARD,  
Chennai.**

The Resource Person Mr. Mashar, Deputy General Manager, NABARD presented on Climate Financing Mechanisms with topics covering Accessing GCF Funding and GCF Project Formulation. Also, Mr. Mashar gave a detailed



introduction on the Green Climate Fund, the basics of India’s requirement for Climate financing, the protocols to be followed in accessing GCF Funding, the way GCF categorizes a project based on the size of the project which inturn depends on the total projected cost for the project. He then gave detailed information on the method of preparing Detailed Project Report (DPR) for project to be proposed for GCF funding, overview of project approval process by GCF.

### **Interactive Session:**

An interactive brainstorming session was facilitated by Mr. Mashar, Deputy General Manager, and NABARD with the participants of the training workshop. In this session, Mr. Mashar gathered a list of projects that could be taken up for Karaikal based on the suggestions from the participating Government Officials and presented the list on stage. He then guided the participants by mapping a particular project with several project proposal criteria such as selecting the better funding agencies namely GCF or NAFCC, and the choice of bringing the project under Adaptation or Mitigation activity etc.

**Session 5: “Brainstorming session to identify suitable project proposals for Karaikal region for funding under NAFCC / GCF schemes”**

**Mr. Mashar,**

**Deputy General Manager,**

**NABARD,**

**Chennai.**

The officials from the Department of Science, Technology and Environment, Dr. Sagaya Alfred, Senior Scientific Officer and Mr. K. Kalamegam, Junior Engineer along with the officials from



NABARD, Mr. Mashar, Deputy General Manager, Ms. Shyampriya, Assistant General Manager, Chennai and Ms. Uma Gorumurthy, Assistant General Manager, Puducherry, chaired a Brainstorming session with the participants. The floor was opened for suggestion on projects that could be taken up in Karaikal under Climate Change action plan. Following adaptation projects were suggested by the participants:

- i) Interlinking of Lakes and River Tributaries in Karaikal region.
- ii) Interlinking of Puravadayar River with Arasalar River.
- iii) Renovation of irrigation canals from the upstream of the river to the end usage in agricultural lands.
- iv) Channelizing sewage to avoid sewage intrusion into the irrigation channels
- v) Tank renovation by dredging and desilting for proper storage of surface water during monsoon and hence groundwater recharge.
- vi) Banning the manufacture and use of plastic bag. Replacing Plastic Bags with Jute Bags and training for the manufacture and production of alternatives like Jute Bags.
- vii) Farm Forestry was suggested as one of the Mitigation project for Climate Change in Karaikal .
- viii) Coastal Ground Water Recharge and ban on borewell along the coastal region with immediate effect, as water table was well below 300 m in the present time.

- ix) Mangroves restoration and studies on species conservation of mangroves
- x) Artificial Coral Reef planting in the sea for the lost coral reefs near Karaikal shores.
- xi) Roof Top Solar Panel projects.
- xii) Underground Electrical Cables laying in Karaikal as the region is highly vulnerable to cyclones and other coastal disasters.
- xiii) Rainwater Harvesting in every domestic and commercial complex.
- xiv) Climate Change Awareness programmes to be conducted under “Climate Literacy Program” of NABARD.

**Conclusion:**

The officials from various departments and sectors participated in the Training Workshop. The session was very productive with the participating officials getting hands on in upcoming project proposals starting from project formulation, preparing the Preliminary/Detailed Project Report (PPR/DPR) to undergoing various project approval negotiations with the funding agencies, implementing agencies and the Central Ministry.



**List of Participants**

<b>Sl.</b>	<b>Name</b>	<b>Designation</b>	<b>Organization</b>	<b>Location</b>
1.	V. Mohanadass	Executive Engineer	Karaikal Municipality	Karaikal
2.	S. Amirthalingam	Junior Engineer	Karaikal Municipality	Karaikal
3.	M. Rajadurai	Honorary President	Consumer Forum	Thirumalairayanpattinam
4.	S. Mouttousivame	Assistant Engineer	Kottachery & Nedungadu Commune Panchayat	Karaikal
5.	K. Kumarathangam	Junior Engineer	Kottachery Commune Panchayat	Karaikal
6.	G. Ravanan	Junior Engineer	Karaikal Municipality	Karaikal
7.	S. Ravichandran	President	Consumer Forum	T.R.Pattanam, Karaikal
8.	Dr. W. V. Balaji	Principal	Avvaiyar Govt. College For Women	Karaikal
9.	J.J. Arelious	Commissioner	T.R.Pattinam Commune panchayat	Karaikal
10.	Dr. Kathirvelu Sambandam	Head of Department of Botany	Arignar Anna Govt Arts & Science College	Karaikal
11.	RM. B. Ramaswamy	Member	Karaikal Industries Forum	Karaikal
12.	N. Kaliaperumal	Chartered President	Rotary	Karaikal
13.	Nagaraj	Inspector	AWD Girls Hostel	Karaikal
14.	RM. Bairavan	President	Industries Forum	Karaikal
15.	R. Kaviyarasan	Deputy Director	Fisheries	Karaikal
16.	S. Jothibabu	Junior Engineer	Neravy Commune Panchayat	Karaikal
17.	S. Shanmuganathan	Deputy President	Farmer Welfare Association	Karaikal
18.	G. Loganathan	Assistant Engineer	T.R.Pattinam Commune Panchayat	Karaikal
19.	Rajesh Sanyal	Executive Engineer	Electricity Department	Karaikal
20.	R. Subramaniyan	Assistant	Block Development Office	Karaikal
21.	P. Maiyazhagan	Junior Engineer	T.R.Pattinam Commune Panchayat	Karaikal
22.	R. Gunasekaran	Secretary	Consumer Forum	T.R. Pattinam, Karaikal
23.	P. Rajendiran	President	Farmer Welfare Association	Karaikal
24.	N. Karpoora Sundara Pandian	HR	DDMA	Karaikal
25.	G. Kalioss@Kamothliseardaram	Commissioner	Nedungadu Commune Panchayat	Karaikal
26.	P. Palanisamy	RTO	Transport Office	Karaikal

27.	Maniakandan Nanrboothiri P.V.	Deputy Tahsildar	Disaster Management DDMA	Karaikal
28.	K. Maheshwari	PCO	Avvai Village Welfare Society	Karaikal
29.	V. Rajendiran	President	Consumer welfare Association	T.R. Pattinam, Karaikal
30.	S. Ganapathi	-	-	T.R. Pattinam, Karaikal
31.	C. Periyardasan	Deputy Surveyor	Branch Survey Office	Karaikal
32.	Dr. G. Latharaagesher	Joint Director	DAFF	Karaikal
33.	S. Rajendran	Commissioner	Thirunallar Commune Panchayat	Karaikal
34.	P. Pandiyan	-	Avvai	Karaikal
35.	V. Subramanian	Secretary	Nugarvour Nala Sangam	T.R. Pattinam, Karaikal
36.	L. Baskaran	Senior D' Man	Survey & Land Record	Karaikal
37.	J. Sumesundaran	Assistant Engineer	Thirunallar Commune Panchayat	Karaikal
38.	S. Baskaran	Deputy Director	LAO	Karaikal
39.	P. Krishnamoorthy	Farmer	-	Karaikal
40.	T. Palanivelu	Farmer	-	Karaikal
41.	K. Swadys	Farmer	-	T.R. Pattinam, Karaikal
42.	S. Nagarajan	Farmer	-	
43.	C. Sali kumar	Farmer	-	Mela odurtheera, Karaikal
44.	TKSM Kanagasundram	Farmer	-	Niravy, Karaikal
45.	P. Nagasundram	Farmer	-	Karaikal
46.	V. Muthukrishnanan	Farmer	-	Karaikal
47.	J. Sivaganesh	Secretary	Chamber of Commerce	Karaikal
48.	Dr. V. Kandaswamy	Dean	PAJANCOA & RI	Karaikal
49.	V. Anandan	President	Chamber of Commerce	Karaikal
50.	P. Saminathan	Farmer	-	Karaikal
51.	S. Kannan	Field Man	U.R.TNR	Karaikal
52.	M. Manikandan	Field Man	U.R.TNR	Karaikal
53.	K. Mathlalagan	AD	AGR	Karaikal
54.	R. Peppav	Farmer	-	Karaikal
55.	R. Rajalakshmi	Agricultural officer	Agricultural Department	Karaikal
56.	R. Saravanan	Agricultural officer	Agricultural Department	Karaikal
57.	A. Asokan	Farmer	-	Karaikal
58.	M. Poraiswamy	Farmer	-	Karaikal
59.	M. Rajavel	Mandapatheri	Agricultural Department	Karaikal
60.	G. Somu	Farmer	-	Karaikal
61.	A. Nagarethinem	Farmer	-	Karaikal

62.	I. Kandarmaidine	Farmer	-	T.R. Pattinam, Karaikal
63.	R. Selvarangaraju	Agricultural officer	Agricultural Department	Karaikal
64.	M. Sajini Begam	Farmer	-	Karaikal
65.	M. Rosin Sitthara Begam	Farmer	-	Karaikal
66.	S. Arun	Farmer	-	Karaikal
67.	G. Saminathan	Farmer	-	Karaikal
68.	G. Murugadass	Farmer	-	Karaikal
69.	M. Inthumathi	Agricultural officer	Agricultural Department	Karaikal
70.	K. Amina bibi	Agricultural officer	Agricultural Department	UU, Melakuserkudy
71.	A. Vasanthi	Farmer	-	Melakuserkudy
72.	A. Raji	Attendant	Information & Publicity Department	Karaikal
73.	N. Nirmala	Farmer	-	Karaikal
74.	P. Ramaswamy	Farmer	-	Karaikal
75.	K. Baradano	Junior Engineer	Electricity Department	Karaikal
76.	K. Veeraselvam	Assistant Engineer	Public Works Department	Karaikal
77.	M. Kesaven	SIBC	Electricity Department	Karaikal
78.	M. Singaravel	Executive chairman	-	Vizhidiyur, Karaikal
79.	S. Mohawavel	Executive chairman	-	Vizhidiyur, Karaikal
80.	M. Selvaraju	Farmer	-	Karaikal
81.	S.S.A. Kabir	Farmer	-	T.R. Pattinam, Karaikal
82.	R. Chidambaranathan	Assistant Engineer	Public Works Department	Karaikal
83.	K. Kulasekaran	Assistant Director	Information & Publicity Department	Karaikal
84.	Kobal	MTS	Information & Publicity Department	Karaikal
85.	J. Mahesh	Assistant Engineer	Public Works Department	Karaikal
86.	P. Veluswamy	Junior Engineer	Public Works Department	Karaikal
87.	R. Ganesan	Deputy Director	Agricultural Department	Karaikal
88.	A.Gana sekar	Farmer	-	Karaikal
89.	M. Sri Ram	Farmer	-	Karaikal
90.	P. Mohammed Dasir	Joint Director	Agricultural Department	Karaikal
91.	V. Raju	Farmer	-	Karaikal
92.	M. Vadivel	Farmer	-	Karaikal
93.	S. Fransis	Assistant	Agricultural Department	Karaikal

94.	P. Sathish	Farmer	-	Karaikal
95.	G. Rajasekar	Farmer	-	Karaikal
96.	N.G.R. Ilangovan	Farmer	-	Karaikal
97.	A. Baskaran	Farmer	-	Karaikal
98.	S. T. P. Dranidamani	Farmer	-	T.R. Pattinam, Karaikal
99.	A. K. Md. Yassinpuduthurai	Farmer	-	Karaikal
100.	U. Rajendran	Farmer	-	Thirunallaru, Karaikal
101.	U. Aalazhagan	Farmer	-	Thirunallaru, Karaikal
102.	N. Thirunanasambantham	Farmer	-	Thirunallaru, Karaikal
103.	K. Krishnamoorthy	Junior Engineer	Irrigation PWD	Thirunallaru, Karaikal
104.	J. Arokiadass	Farmer	-	Karaikal
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106.	Dr. K. Manaivannan	Project Scientist	Seagrass Tech. Pvt. Ltd.	Karaikal
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108.	P. Murugupandian	Technical Assistant	Block Development Office	Karaikal