

Meeting on 'Mapping of Water Bodies'

Minutes

Date: 22nd September 2006

Time: 1500 Hrs

Venue: 313, NCRC, Collect orate Nagapattinam.

Organised By: Agriculture Sector, NCRC

This meeting was on mapping of Coastal Water bodies in Nagapattinam. The meeting was mainly to discuss about the methodology of study, to discuss the NGO's and the Taluk which they would do the study. The group of participants broadly consisted of A.E of Thiruvarur, Participating NGO's, supporting NGOs and Senior Consultant on Water Resources, along with NCRC staffs.

Agenda:

1. Brief Introduction – Mr.ChandraMohan
2. Orientation
3. Roles of the five partner NGOs
4. Interaction with Mr.Baskaran A.E, PWD
5. Briefing on the Study
6. Introduction of the proforma - Dr.Sivanappan

Mr. Chandra Mohan formally welcomed the participants and oriented the participants about the inception of the study and its importance. He further introduced the NGOs, who have confirmed participation data collection as follows,

- Kudumbam
- CCD
- CEE
- Tofarm
- Venture

1. Orientation

The study team of full time staff (deputed or nominated by their respective staff) was given a brief orientation.

- i. This study is an off shoot of the National Workshop on Disaster preparedness in Agriculture which was held on the 3rd and 4th of August 2006 by the NCRC.
- ii. Apart from tsunami, disasters like flood and cyclone has been a common feature in Nagapattinam. In last four years alone Nagapatinam was victimized thrice with floods and once with tsunami. This is mainly due to the poor drainage system and lack of proper out let for the flood water to drain.
- iii. In the post- tsunami phase the first year was focused on land reclamation, mud cast removal, desilting of the existing water bodies like channels, ponds, tanks, etc.
- iv. The second year and the way ahead should be more on the importance of water drains, safe and productive disposal of the flood water, etc to connect to its first year's intervention.
- v. Thus it was decided to take a study on the coastal water bodies of Nagapattinam.
- vi. The study will include irrigation channels, encroached channels, and disappeared channels, like wise up to the tail end regulator.
- vii. The feeder canals are also irrigation channels and they will also be included in the study.
- viii. Study will include measuring the radius, depth, height of the water bodies.
- ix. We would also be doing a time line with the help of key informers of farming community in the village, who has to be identified in the course of the study.
- x. The duration of the study will be 45 – 60 days for the data collection. To start with a pilot field study will be taken up on 23/09/06

2. Partner NGO's role

The details of the 5 NGOs which would be joining hands to carry out the study and the place (taluk) where they would be carrying out the study are given in the table below, the taluks were decided on particular NGO's work area and there preference.

<u>S.No.</u>	<u>Name of the</u>	<u>Taluk</u>	<u>Supporting NGOs</u>
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	<u>NGO</u>		
1	CCD	Sirkali	Human trust ; Care Plan
2	CEE	Tharangambadi / Karaikal	RIM
3	Tofam	Nagapattinam	
4	Kudumbam	Kilvelur	Bharathi ; Ekta Parishad.
5	Venture	Vedaranyam	Bharathi

Staffs from respective NGO's as confirmed by their representatives are as follows

<u>S.No.</u>	<u>Name of the NGO</u>	<u>Taluk</u>	<u>Staffs Name</u>
1	CCD	Sirkali	1.Parthiban 2.Sendhilkumar
2	CEE	Tharangambadi / Karaikal	1.Shanthakumar 2.Thirunavukarasu
3	Tofarm	Nagapattinam	1.Ravichandran 2.Shakarapandian
4	Kudumbam	Kilvelur	1.Prakash (2 more staffs would join for the pilot study)
5	Venture	Vedaranyam	1.Sendhil 2.Sivasubramanian

CEE and Kudumbam asked if they can collectively do the two taluks confirmed for them. It was suggested that its impossible to do it that way as we can't share it with ponds, rivers and drains.

3. Interaction with Mr.Baskaran A.E. (P.W.D.)

Mr.Baskaran (Assistant Engineer) told that taluk maps are available in the Survey office in the revenue department, and also at taluk level it can be collected from RDO's office. He also mentioned that big river like Kaduvaiyar, etc., are coming under the Emergency Tsunami Rehabilitation Programme (ETRP) scheme.

He also mentioned that if NCRC can get the taluk map he will be able to impose it and mark the regulators. He also emphasised that they have only delta map. There are totally 8 divisions which are taken by 8 Assistant Engineers. They cover 3 sub divisions i.e. from

❖ Nagur to Kaduvaiyar (Velankanni)

- ❖ Kaduvaiyar to Vellaiyar (Thiruvarur)
- ❖ Vellaiyar to Thiruthanai

4. Briefing on the Study Dr.Sivannapan

⊕ To identify

In this study, the following would be identified

- i) Irrigation Channels
- ii) Drainage Channels
- iii) Lake
- iv) Ponds (tanks)
- v) Farm Ponds
- vi) Allam
- vii) Well
- viii) Urani

Marking in the maps would be as follows,

Map 1
Irrigation Channel
Drainage Channel

Map2
Lakes
Ponds
Farm ponds
Alum
wells

⊕ Methodology

It was decided to collect information and data through the following methods or groups,

- ❖ Transect walk
- ❖ Discussion with key informants.
- ❖ Discussion with informal groups
- ❖ Discussion with either traditional or elected panchayats
- ❖ Self Help Groups / Farmer groups
- ❖ Water user associations
- ❖ Revenue Department – VAO
- ❖ Sub divisional officer (S.D.Os) at taluk level like PWD/ Agriculture Engineering (Lascar in PWD could be highly informative)

It was also mentioned that for the study purpose the Superintending Engineer and the Chief Engineers have also been contacted and communications have been sent explaining the study.

5. Introduction of the proforma - Dr.Sivanappan

Dr.Sivanappan briefly explained the draft proforma. Copies of the draft were circulated amongst the participants.

- a. To know the general status of the water bodies their length, breadth, depth, if its existing or abandoned, if encroached or not and reasons for the abandonment and encroachment.
- b. Irrigation structure, number of structure, there status, conditions (normal, any repairs to be done like masonry, shutter, others).
- c. Drainage channels – their length, breadth, depth, status, bund condition, etc.
- d. Channel structure – name of the channel, numbers, status as in existing or abandoned, conditions, etc.
- e. Irrigation tank – name, the Panchayat or PWD's, capacity, area irrigated, status, conditions of the tank. It was also asked to change the unit of capacity to cubic meters instead of litres.
- f. Details on Lakes, ponds, uranis and temple ponds.
- g. Details on farm ponds, their average size and their conditions.
- h. Wells if its open well or tube well, their size and water table condition, usage details.
- i. Ground water quality, their levels in summer, in winter, quality the electrical conductivity, etc.
- j. Sources of irrigation the village it is in etc.

He again emphasised that the data collection must be over by October 2006 as after which raining season would start and it would be difficult to collect information.

Mr. Baskaran A.E. (P.W.D.) was thanked, who had attended the meeting and who would also be helping in imposing the maps. The study team, and other participants were also thanked for their presence.
