Appendix
SURVEY OF DRINKING AND DOMESTIC WATER STATUS AMONG HOUSEHOLDS OF CHIRAYINKEEZHU GRAMA PANCHAYAT

I. War Number and Name

<table>
<thead>
<tr>
<th>Name of the head of the family</th>
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<tbody>
<tr>
<td>Number of Family members</td>
</tr>
<tr>
<td>Adult</td>
</tr>
<tr>
<td>Children (below 18)</td>
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</tbody>
</table>

II. Water sources

1. Type of water sources used for drinking and cooking
   (Well / Tube well / Pond / Pipe / Canal / Others)
2. Type of water sources used for bathing and washing
   (Well / Tube well / Pond / Pipe / Canal / Others)
3. Amount of water consumption (litres/day)
   (250 L / 500 L / 750 L / >750 L)
4. If you are depending on dug wells, give details of your well?
   a) What is the depth of your well (feet)
      (<25 feet / 25 feet / 50 feet / 15 feet / 100 feet / >100 feet)
   b) Is your well constructed with rings?
      (Yes / No)
   c) Is your well protected by means of:
      (Cover / Half wall / Platform / Net / Other means)
5. What do you feel about the quality of water in your well?
   (Good / Moderate / Bad)
6. Do you experience water scarcity at any season?
   Yes ☐ No ☐
   a) If yes, when (Season / Months)
   b) Does the water table in your well go down during summer?
      Yes ☐ No ☐
7. At the time of water scarcity how do you meet your requirements?
   (Water supplied from tanker lorry / canal water / pond water / water in cans)
8. If depending on tanker lorry are you paying any charges for the water supplied?
   Yes ☐ No ☐
   a) If yes, at what rate?
9. What do you feel about the quality of pipe water supplied to you?
   (Good / Moderate / Bad)
10. Does Panchayat take any measures for solving water scarcity?
    Yes ☐ No ☐
III. Sanitation

11. What is the toilet (defecation) facility you have?
   (Open ground / septic latrine / Pit latrine / canal)

12. What is the distance between water source and latrine?
   (<10 feet / 10 – 20 feet / 20 – 30 feet / > 30 feet)

13. Does your latrine leak during rainy season?
   Yes ☐ No ☐

14. Is there water logging around your house?
   Yes ☐ No ☐

15. Is there any mosquito menace?
   Yes ☐ No ☐

16. What is the mode of disposal of domestic solid wastes followed by you?
   (Dumping / Burning / Composting)

17. Do you have cattles and cattle shed?
   Yes ☐ No ☐
   a) If yes what is the distance of cattle shed from your well>
      (< 10 feet / 10 feet / 20 feet / 30 feet / > 30 feet)

IV. Health

18. Do you think that your drinking water is safe?
   Yes ☐ No ☐
   a) If no, specify the reason?

19. Do you boil water before use?
   Yes ☐ No ☐

20. Are you adding any thirst quenching herbal products to boiled drinking water? If yes What?
   (Karingali / Pathimukham / ramacham / geerakam / pera leaves / others)

21. Do you use any water filtration apparatus like water purifier?
   Yes ☐ No ☐

22. Have you tested drinking water for quality in any lab at any time?
   Yes ☐ No ☐

23. What are the common water borne diseases noticed in and around your family?
   (Cholera / Dysentry / Diarrhoel diseases / Typhoid / Polio / Infectious hepatitis/Ascariasis / Gastro enteritis)

24. When you are sick what is the method of treatment followed by you?
   (Allopathy / Homeo / Ayurveda / Other)

25. Where do you approach for treatment?
   (Private Hospital / Govt. Hospital / Self Treatment / Others)

26. What are your suggestions to improve water availability and quality in your area?
SEMINARS PARTICIPATED / PAPERS PUBLISHED

Seminars participated

- National seminar on "Hydrology of small water sheds" organized by CWRDM during 06-07 May 2003 at Thiruvananthapuram.
- National seminar on "Water pollution: Challenges and prospects" held on 18th December 2003 at the Senate Chamber, University of Kerala, Thiruvananthapuram.
- National symposium on "Coastal Zone: Dynamics & Environmental Challenges" (COZDEC) held from 28-29 January 2004 at the Department of Geology, University of Kerala, Kariavattom, Thiruvananthapuram.
- Seminar on the theme "Water conservation and management conducted as a part of the Global Eco Meet, held during February 20-25, 2005 organized by Swadeshi Science Movement at Trivandrum, Kerala, India.
- National seminar on "Chikungunya: Prevention & Control" held on 21st November 2006 at the Dept. of Environmental Sciences, University of Kerala, Kariavattom.

Paper presented

- Presented a paper entitled "Pond – an alternative source of drinking water in Chirayinkeezhu panchayat" in the NSWB-2008 - National seminar on Wetland Biodiversity held on 9 & 10 February 2008 at MSM college, Kayamkulam, Kerala.

Papers published