

APPENDIX I

INTERVIEW SCHEDULE

PANCHAYAT RAJ INSTITUTION

1. When did the panchayat Raj institution come into force in your village?
2. How many officials are working in this panchayat office?
3. How many men except the president are elected in your panchayat?
4. Is there any separate vote list being formed for the panchayat election?
Yes No
5. Is there any special qualification needed to compete in the panchayat election?
Yes No
6. If yes, what kind of qualification?
7. Is there any reservation system for women in your panchayat?
Yes No
8. If yes what percentage?
9. Do you know 73rd amendment of constitution?
10. When was this amendment enacted and came into force in your village?
11. Any environmental preservation activities included in this amendment?
Yes No
12. Is there any special duty for the panchayat president?
Yes No
13. If yes, what are the special duties?
14. Is there any particular duty for the Secretaries of panchayat?
Yes No
15. Is yes what are their special duties?
16. Did your village Gramsabha conduct meeting?
Yes No
17. If yes, how many times did the Gramsabha meet for a year?
18. Is the sabhas work being implemented?
Yes No
19. If yes what are the works?

20. Are the member are informed prior to the meeting?

Yes No

21. How many hours, was the meeting to held?

22. Is the Xerox copy is being submitted to the government?

Yes No

23. Are the members allowed freely to share their views?

Yes No

24. Were the decisions of all the meetings got final approvals and implemented?

Yes No

25. Is there any tax collected?

Yes No

26. If yes what type of taxes?

27. What is the revenue and expenditure pattern of your panchayat?

28. Does your panchayat prepare the budget for every year?

Yes No

29. If yes in which month?

30. State whether this report is submitted to the government?

Yes No

31. State whether there are problems in getting the financial aid from
Government?

Yes No

32. Is there any environmental contamination in your villages?

Yes No

33. If yes what type of contamination?

34. Did your panchayat conduct any programme for environmental preservation?

Yes No

35. If yes what are the areas to control under environmental preservation programme?

36. Are you doing the environmental preservation with the help of other institutions or
alone?

37. Does the village have a school?

Yes No

38. If yes, Is the subject relating to environmental activities are taught in this village school?

Yes No

39. If yes, what type of activities is taught?

40. Does the village panchayat provide a primary health care to village people?

Yes No

41. Do the people render enough support for ensuring smooth functioning of environmental preservation?

Yes No

42. State whether this panchayat works on future plans to improve the village environment?

Yes No

INTERVIEW SCHEDULE

TAMIL NADU POLLUTION CONTROL BOARD

1. When was Tamil Nadu Pollution control Board started?
2. What is its main aim?
3. How many branches are there?
4. Does this board conduct meetings?
Yes No
5. If yes what is the quorum for the meeting?
6. How much time is taken for meeting?
7. Are the allowed to exchange their views in the meeting?
8. Are the minutes of the meeting submitted to the government?
9. What are the terms and conditions of service of the board member and committees of the board?
10. What are the duties of the board?
11. Whether this board has appointed the engineer?
Yes No
12. Does this board have procedure to collect sample conduct inquiry and Inspection?
Yes No
13. If yes under what section?
14. Does this board prepare budget and annual report?
Yes No
15. If yes, Is this report submitted to the government?
16. Does this board work in villages?
Yes No
17. If yes, how many villages does this board cover?
18. Does this board work in Allur and Meakudi Village?
Yes No

19. If yes this board doing environmental preservation work in Allur and Meakudi village?

Yes No

20. If yes, what kind of preservation work is it doing in Allur and Meakudi village?

21. Does this board get cooperation from panchayat leaders and village people?

Yes No

22. Does this board conduct any awareness programme in this village?

Yes No

23. Does this board works on future plans to improve the village environmental contamination?

Yes No

INTERVIEW SCHEDULE

PRIMARY HEALTH CARE CENTRE

1. When did this PHC become operative in this village?
2. How many staff is working?
3. Does the staff go to villages to discuss the problem of environmental contamination?
Yes No
4. Do the village people give cooperation with PHC staff?
Yes No
5. What are the activities of PHC in this village?
6. Do patients come daily to this center?
Yes No
7. If yes, for what kind of diseases do they come?
8. Does the PHC give treatment for Epidemic diseases?
Yes No
9. If yes what kind of epidemic did it control?
10. State what type of disease affected village people largely?
11. Does the PHC give training awareness to people?
Yes No
12. If yes what kind of awareness is given to village people?
13. Is the PHC doing Immunization for preventable diseases?
Yes No
14. If yes what type of vaccine for Immunization is given?
15. Does this PHC do the Acute flaccid paralysis surveillance?
Yes No
16. Does the staff go to village school to discuss the problem of environmental contamination?
Yes No
17. Do the school children give cooperation with PHC staff?
Yes No

18. Are you giving health programme for school children?

Yes No

19. If yes what kind of programmes are implemented?

20. What is morbidity pattern of school children?

21. Has the PHC given awareness camp to school children?

Yes No

22. If yes what kind of awareness camp is given?

23. Is the PHC actively doing the work in this village?

Yes No

24. Whether the public renders enough support for ensuring smooth functioning of PHC?

Yes No

25. State whether the PHC works on any future plan to reduce the health consequence of this village people?

Yes No

INTERVIEW SCHEDULE

NON-GOVERNMENTAL ORGANISATION

1. What is the Name of organization?
2. Address:
3. When was this organization started?
4. What is the reason to start this organization?
5. What is the aim of this organization?
6. Who started this organization?
7. On what basis do they perform here?
8. For how many years has this organization been functioning?
9. Is this organization registered?
10. If yes in which year was this registered?
11. How many staff members are working?
12. What is the structure of the organization?
13. How many branches are there?
Yes No
14. Whether this organization receiving foreign funds?
Yes No
15. Whether this organization is working in Allur and Meakudi?
Yes No
16. Is this Organization doing environmental preservation in Allur and Meakudi?
Yes No
17. Does this organization get cooperation from panchayat leaders and village people?
Yes No
18. Does this NGO conduct any awareness programme in this village?
Yes No
19. If yes what Kind of programme does carry out?

20. Have the village people got awareness?

Yes No

21. Whether the NGO is doing any awareness activities to school children?

Yes No

22. If yes what kind of awareness is given to school children?

23. Is the NGO actively doing the work in this village?

Yes No

24. Whether the NGO is doing any awareness campaign in this village?

Yes No

25. If yes, whether NGO is doing this awareness alone or getting help from some other institution to do it?

26. Whether this NGO works on future plans for to improve the village environmental contamination?

Yes No

INTERVIEW SCHEDULE

INDUSTRIES

1. When did it come into force?

2. Whether this industry is registered?

Yes No

3. If, yes in which year?

4. How many workers are there?

10 - 25 25 - 50 51 - 75 76 - 100

5. Which type of product is manufactured by this industry?

6. Whether chemicals are used here?

Yes No

7. How much of water is used here?

25 - 50 liter 50 - 75 liter 75- 100 liter 100 and above liter

8. Whether industry daily creates of wastage water?

Yes No

9. State whether Industry creates different type of pollution?

10. Whether the expelled wastage mingles with pond and lake water?

Yes No

11. State whether this polluted pond and lake water affects the health of the village people?

Yes No

12. If yes what kind of health effect does it have?

13. State whether expelled industrial wastage affects the village surrounding?

Yes No

14. Whether industrial pollution creates health problem to workers?

Yes No

15. If yes what type of problem affected the workers?

16. State whether industrial pollution affects the agricultural land?

Yes No

17. Whether industry provides any medical facilities to affected Village people?

Yes No

18. If yes what type of facilities?

19. State whether industries give protective measure to worker?

Yes No

20. If yes what kind of measures?

21. State whether industry conducts any environmental awareness programme to industrial workers?

Yes No

22. If yes, whether Industry is doing this awareness alone or getting help from some other institution to do it?

23. State whether industry will take any plan to reduce the industrial pollution in future?

Yes No

INTERVIEW SCHEDULE

VILLAGER

1. Name:

2. Age:

3. Sex: MALE FEMALE

4. Educational status

1 illiterate 2 Upto V std 3 V to XII std 4 Graduate

5. Marital status Married

Yes No

6. Type of family 1. Nuclear 2. Joint family

7. Occupation

1. Agriculture 2. Cattle rearing 3. Cottage Industry 4. Others

8. Type of income

1. Daily wages 2. Weekly wages 3. Monthly wages

9. Type of House

1. Thatched 2. Tiled 3. Terraced

10. Immovable Property

0-1acre / 1-2 acre / 2-3 acre / above 3-4 / Nil

11. Movable Property

Bicycle / Two wheeler / Others

12. Electrification facilities

Electrified / not electrified

13. Have you migrated from some other village?

Yes No

14. Are your family members are affected by environmental pollution?

Yes No

15. If yes what type of pollution?

16. Has any of your family member's health been affected by disease because of environmental pollution?

Yes No

17. If yes what type of diseases affected?

18. Has your children's health been affected by environmental pollution?

Yes No

19. If yes what type of pollution affected children's health?

20. Has any of your children's health been affected by disease because of environmental pollution?

Yes No

21. If yes what type of disease affected?

22. Does your village panchayat take any preventive measure for environmental pollution?

Yes No

23. If yes what types of measures are taken for environmental pollution?

24. Did you get benefit from this preservation?

Yes No

25. Have your children learn environmental education at Panchayat School?

Yes No

26. If yes whether your children got awareness from environmental education?

Yes No

27. Is there any NGO working in your village?

Yes No

28. Does non-governmental organization conduct any awareness programme at your village?

Yes No

29. Did you participate in non-governmental organization environmental awareness programme?

Yes No

30. Whether NGO gets support form panchayat leaders to do awareness campaign?

Yes No

31. Is there any industry in your village?

Yes No

32. If yes what type of industrial unit does exist in your village?

33. Does any body in your family work in these industries?

Yes No

34. Does Industrial work cause any health problem?

Yes No

35. If yes what type of health problem?

36 Has any body in your family visited your village primary health care center for health problem?

Yes No

37. If yes what type of health problem?

38. Do you rear cattle at home?

Yes No

39. If yes what types of cattle do you rear?

40. Does your cattle cause any sort of pollution?

Yes No

41. Does cattle pollution cause any sort of health problem?

Yes No

42. If yes what type of health problem?

43. Whether your family member is doing agriculture work?

Yes No

44. Does agriculture work cause any health problem?

Yes No

45. If yes what type of health problem?

46. Whether your family member's health is affected cooking fuels?

Yes No

47. Is your family member doing Self-employment work?

Yes No

48. Does Self-employment cause any health problem?

Yes No

49. If yes what type of problem?

50. Whether any department conduct and environmental awareness programme in this village?

Yes No

51. If yes which department conduct awareness programme in this village?

52. Whether village environment is getting improvement from departmental measure?

Yes No

APPENDIX

.

1

**TAMIL NADU POLLUTION CONTROL BOARD
FORM FOR PANCHAYAT
APPLICATION FOR COSNTANT FOR DISCHARGE/CONTINUATION OF DISCHARGE
UNDER SECTION 25/26 OF THE WATER ACT 1974
(CENTRAL ACT 6 OF 1974)**

From

To

The Member-Secretary
Tamil Nadu Pollution control Baord

Sir,

I/We hereby apply for consent under Secs.25/26 of the Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6 of 1974) to bring into use any new or altered outlets for discharge of sewage from land/premises owned byfor a period up toas per details given in Annexure.

The Annexure, appendices, other particular and plans are attached herewith in triplicate plans is correct to the best of my / our knowledge.

I/We hereby assure that in case of change either of the point of the quality of discharge or its quality, a fresh application for consent shall be made or until such consent is granted, no change shall be made.

I/We hereby agree to send to the Board, an application for renewal of consent one month in advance of the data of expiry of the consented for outlet/discharge, if to be continued thereafter.

I/We undertake to furnish any other information within one month of its being called for by the Board.

I/We hereby agree to pay the prescribed consent fee as a when intimated by the Board.

Yours faithfully

Signature:
Name of the Applicant:
Address of the Applicant:

ANNEXURE FORM

Note: Any applicant knowingly giving incorrect information or suppressing any relevant information shall be liable for action under Se.42 of the Act

While filling in this Annexure the applicant shall, for such of the items not pertaining to the activity state "Not applicable" against one and not leave any blank.

(1) Full Name of the applicant with address Tel No.....

Telegraphic address.....

(2) Full Name of Panchayat with address Tel No.....

Telegraphic address.....

(3) Location of the Panchayat District.....

Taluk.....

Area (in Sq.Kms).....

(4) Month and year from which panchayat is functioning.....

(5) (a) population

(i) As per latest census records

(ii) Present population

(b) Population covered under regular sewerage facilities

(6) (a) Number of Industries within the jurisdiction of the panchayat

(b) Number of Industries discharging effluents into sewers / gutters

(7) (a) Source of water supply for the following uses:

(i) Domestic

(ii) Industrial

(iii) Other uses (specify)

(b) Whether the water supplies are treated? Yes/No

(c) If yes, give details

(d) Is the drinking water supplied to the public regularly analysed and declared safe by a competent authority? Yes/No

(e) Give details of the chemical and Bacteriological analysis of the water supplied to the public (attach analysis report)

(8) State daily quantity of water utilised for the following uses (in kilo litres)

- (a) Domestic
- (b) Industrial
- (c) Other uses (specify)
- (d) Total

(9) State the daily maximum quantity of effluents arising form the panchayat for which the application is made (in Kilo litres)

- (a) Sewage
- (b) Sullage
- (c) Industrial effluent
- (d) Total

(10) State whether storm water drains are kept separate from sewage. Yes/No

(11) (a) Is Industrial effluent allowed to get mixed with domestic effluent? Yes/No

(b) If yes, state the ration Domestic Industrial

(12) State, if any treatment for sewage is made yes/No

- (a) If yes state the process of treatment in brief (separately)
- (b) If no, give proposals and time bound programme

(13) Is there any proposal for disposal of : Already made Proposed to be made

(a) Sewage over land for irrigation yes/No yes/No

(c) State area of land used in hectares

for (a) and above

(14) Give quantitative disposal of sewage per day into places mentioned below (in kilo litres)

	Domestic	Industrial	Combine
(i) Stream / River			
(ii) On land for irrigation			
(iii) Lake / Pond			

(15) (a) Is sufficient land available / can be yes/No
made available in case using of sewage

disposal of solid waste (in hectares)

Signature.....

Name and address of the applicant

(on behalf of)

Name and address of the panchayat

Water quality
The quality requirement for drinking water in rural areas
Physical and chemical standards

Sl.No Characteristics	Acceptable	Maximum permissible
1. Turbidity	2.5 (J.T.U Scale)	10
2. Colour	5.0 (Platinum Cobalt Scale)	25
3. Taste and Odour	Unobjectionable	Unobjectionable
4. PH	7-8.5	6.5-9.2
5. Total dissolved solids	500 mg/l	1500
6. Total hardness	200 mg/l (as CaCO ₃)	60
7. Chlorides	200 mg/l(as Cl)	1000
8. Sulphates	200mg/l(as SO ₄)	45
9. Fluorides	1.0 mg/l (as F)	1.5
10. Nitrates	45 mg/l (as NO ₃)	45
11. Calcium	75 mg/l (as Ca)	200
12. Magnesium	30 mg/l if 250mg/l of sulphates are present	125 with no sulphates present
13. Iron	0.1 mg/l (as Fe)	1.0
14. Manganese	0.05 mg/l (as Mn)	0.5
15. Copper	0.05 mg/l (as Cu)	1.5
16. Zinc	5.0 mg/l (As Zn)	15.0
17. Phenolic Compounds	0.001 mg/l (as Phenol)	0.002
18. Anionic detergents	0.2 mg/l(MBAS)	1.0
19. Mineral oil	0.01 mg/l	0.3

Toxic Materials		
20. Arsenic	0.05 mg/l (as As)	0.05
21. Cadmium	0.01 mg/l (as Cd)	0.01
22. Chromium	0.05 mg/l (as Hexavalent Cr)	0.05
23. Cyanides	0.05 mg/l (as Cn)	0.05
24. Lead	0.1 mg/l (as Pb)	0.1
25. Selenium	0.01 mg/l (as Se)	0.01
26. Mercury	0.001 mg/l (as Hg)	0.001)
27. Polynuclear hydro carbons	0.2 mg/l(aeromatic PAH)	0.2
Radio activity		
28. Gross alpha activity	3 P Ci/l (Picocurie)	3 P Ci/l
29. Gross beta activity (pico-curie)	30 P Ci/l	3 P Ci/l
Maximum limits given in the columns are the tolerance limits when no other alternative source of water is available.		

Source :Tamil Pollution control Board

WATERBORNE DISEASE TRANSMITTE THROUGH DRINKING WATER AND FOOD

Disease	Type of organism	Symptoms and comments
Cholera	Bacteria	Severe vomiting, diarrhoea and dehydration; often fatal if untreated
Typhoid	Bacteria	Severe vomiting, diarrhoea, inflamed intestine, enlarged spleen-often fatal if untreated
Bacterial dysentery	Several species of bacteria	Diarrhoea
Para-typhoid fever	Several species of bacteria	Server vomiting diarrrohea
Infectious hepatitis	Virus	Yellow jaundiced skin, enlarged liver, vomiting and abdominal pain-often permanent liver damage
Ameobic dysentery	Protozoa	Diarrhoea, possibly prolonged

Source: Primary Health center, Allur

301
DAI