APPENDIX- I
Interview Schedule
(Purely for Research purposes)

Schedule No:---------—Date of Interview: --------- Interviewer:---------

Socio-Economic Profile

1. Name: 
2. Sex: i). Male ii). Female 
3. Age: i). 14 years or less, ii). 15-30 year, iii). 31-45 years, iv). 46-60 years, v). more than 60 years 
6. Caste: (Write exact caste name) 
7. Whether you are: i). Native, ii). Migrant 
8. If Migrant, from where have you migrated: (Address) 
9. When did you come here (in month/year)? 
10. Are you a Refugee? 
11. If yes, from where did you come? (Address) 
18. If No give reasons.

19. What is the purpose of providing education to children?
   i). Status in society, ii). Present occupation would be better, iii). Wish that children take job elsewhere, iv). Any other (specify), v). NA

20. Would you like your children to enter into your profession: i). Yes, ii). No

21. What is your traditional occupation?

22. How many years you are engaged in fishing activities?

23. For how many generations has your family been engaged in this profession?

24. What do you work for?

25. What is the suitable time for fishing?
   i). During tied, ii). During wave, iii). Any other

26. Point out the name of a few fishes, which are available in your net?

27. Do you know how to ride boats that you use for fishing?

28. What instruments do you use while going for fishing?

29. Can you name the types of nets you use?

30. What type of boats do you use?

31. Have you obtained any license for the fishing activities: i). Yes, ii). No

32. Where do you stock the harvest?

33. Have the fishing firms employed local people on preference: i). Yes, ii). No

34. Do you consider that fishing activity leading to?


37. Home type (indicate specification)


41. Latrine Facility: i). Open Space, ii). Closed room, iii). Other

42. Household Consumption & Monthly Expenditure

<table>
<thead>
<tr>
<th>Items</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cereals</td>
<td></td>
</tr>
<tr>
<td>Pulses</td>
<td></td>
</tr>
<tr>
<td>Milk &amp; Milk Products</td>
<td></td>
</tr>
<tr>
<td>Oil/Fuel</td>
<td></td>
</tr>
<tr>
<td>Non-Veg</td>
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</tr>
<tr>
<td>Vegetables/Fruits'</td>
<td></td>
</tr>
<tr>
<td>Sugar/tea/spices</td>
<td></td>
</tr>
<tr>
<td>Rentals:</td>
<td></td>
</tr>
<tr>
<td>Education of children</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

43. Type of family: i). Nuclear, ii). Joint

44. How many of your family members are engaged in fishing for living?
45. Do the females contribute in supporting livelihood? : i). Yes, ii). No


49. Is your family covered under BPL/APL?

   Family composition table

<table>
<thead>
<tr>
<th>SI No.</th>
<th>Relation</th>
<th>Education</th>
<th>Occupation</th>
<th>Monthly Income</th>
</tr>
</thead>
</table>

50. Has the government made any provision for the supply of drinking water for you: i). Yes, ii). No

51. Does the government undertake any preventive measures before the outbreak of epidemics: i). Yes, ii). No

Current Livelihood Scenario

Land use Pattern

<table>
<thead>
<tr>
<th>Land type</th>
<th>Quantity</th>
<th>Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home stead land</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agricultural Land</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land leased in</td>
<td></td>
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<tr>
<td>Land leased out</td>
<td></td>
<td></td>
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<tr>
<td>Land operated otherwise</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

52. Possession of assets: (yes or no)
   a. i). Scooter/motorcycle: yes/no
   b. ii). Tape Recorder/Audio System/Radio: yes/no
   c. iii). Television: yes/no
   d. iv). Sewing Machine: yes/no
   e. v). Freeze: yes/no
f. vi). Bullock cart/rickshaw: yes/no
g. vii). Tractor: yes/no
h. viii). Fan/Air-cooler: yes/no
i. ix). Any other (specify): -

53. How many GHERIS you/your owner have?

54. Possession of Animal assets (yes/no)
a. i). Cow: yes/no
b. ii). Buffalo: yes/no
c. iii). Pig: yes/no
d. iv). Goat: yes/no
e. v). Sheep: yes/no
f. vi). Poultry birds: yes/no
g. vii). Any other (specify)

55. How many hours do you fish daily: i). Up to 4 hours, ii). 4-8 hours, iii). Above 8 hours, iv). Not fixed

56. Do you sell your catches? i). Directly in the market, ii). Through middleman, iii). Own processing unit, iv). Takers contact us at the Bay, v). In the same place, vi). Any other


58. What is your opinion about the prawn export business?
   i). Helps in generating local livelihood, ii) Does not help in generating local livelihood, iii) No Idea

59. Is there a need of a Traditional Fishermen’s Association? i) Yes, ii) No

60. Are there any welfare support schemes run by the government?
   i). If yes, name atleast two schemes ii). Not aware

61. Who should have the authority to control the access of fishermen on Chilika? i). Community, ii). State government. iii). Both the government and community together
62. Which are the Government Department having control over Chilika?
   i). Department of Revenue including the local administration. ii). Department of Forests and Wildlife, iii). Department of Fisheries iv). Other department controls Chilika v). do not have any idea about who controls the lake.

63. Does CDA play an active role in development of fishery and fishing activity in the lake? i). Yes, ii). No

64. Are you aware about the government schemes for fishermen? (name at least two schemes and about them). i). Yes (name of the schemes), ii). Not aware of the schemes

65. Do you get the technical support for the fishing activity in the area by the government?
   i).Yes, ii). No

66. Have you undergone any training towards acquisition of modern technology? i). Yes, ii). No

67. Is there any fishermen co-operative society here? i).Yes, ii). No

68. Please name the fishermen co-operative society here?


70. Do you take loans from informal moneylenders: i).Yes, ii). No

71. Do you purchase the equipment on credit: i).Yes, ii). No

72. Do you allow credit to your customers? i).Yes, ii). No

73. Do you charge extra for credit giving? i).Yes, ii). No

Environmental Issues and Natural Disaster

74. Have there been any major changes in the environment of Chilika in the last 10 years? i). Yes ii). No iii). No Idea

75. Has there been any specific effort in the area for the conservation or protection of environment: i).Yes, ii). No

76. Are there any awareness programs organized by CDA for environment management?
77. How do you perceive these programs, are they useful? i). Yes ii). No.

78. Is there any law in place for environment protection? Are the local community people aware of these laws?
   i). Have basic knowledge about the legal provisions on environment protection. ii). Do not have the knowledge about the legal provisions about environmental protection.

79. Are you aware about the illegal poaching and its impact? Are there any laws in place to prohibit such acts?
   i). There is an illegal poaching in the area, ii) Illegal poaching is not common now a day.

80. Is Environmental degradation impacting the livelihood of fishermen? i). Yes ii). No. Do you know what natural disaster is?

81. What problems do you face as a person in the fishing profession?


83. What type of problems do you face while fishing in the sea?

84. What is the worst type of sudden natural disaster you've ever been in?

85. Where were you?

86. What were you doing when the disaster happen?

87. Did the disaster cause any damage?

88. Describe your experience.

89. Have you faced any natural disaster during the time of fishing: i). Yes, ii). No

90. How have you faced the same during that time?

91. Has the government introduced any safeguard for you during the natural disaster?

92. Traditional belief for the prediction of natural disaster?
   i). By seeing water, ii). By seeing the color of the sky, iii). By seeing the birds, iv). By seeing the boat
93. Does the government machinery and metrology department provide you information forecast before out-break of natural disaster?

94. After getting an early warning message from government, do you go inside the lake for fishing? i). Yes, ii). No

95. If yes, why do you go inside? Bad economic condition/ pressure from owners/anything else

96. From where do you get early warning?

97. What source of information gives you more accurate result on natural disaster?
   i). Government, ii). Traditional belief, iii). Any other (please mention)

98. Are you aware about the port signals meant for the fisherman?

99. Which signal is meant for danger and which is normal?

100. Do you know what to do during a cyclone? i). Yes, ii). No

101. Do you know what to do during a flood? i). Yes, ii). No

102. Do you know what to do during a fire? i). Yes, ii). No

103. Which is the lean period?

104. What is your alternate livelihood option, when you do not get inside the lake for fishing due to the possibility of natural disaster?

105. Why do you feel that the business suffers during rainy season? i). Difficult and dangerous to venture into the lake, ii). Spread of disease, iii). Any other, iv). No seasonal difference

106. Do you have any community (fisherman) specific action plan to fight natural disaster?

107. Who has prepared it? i). Community by its own, ii). Community with the help of local government officials, iii). NGO, iv). Other organizations

108. Have you ever tried how effective the action plan is (mock drill or in real case)? i). Yes, ii). No

109. Do you have any HH specific plan on natural disaster?

110. Does any NGO or missionary take active part in your locality to create consciousness for disaster management purposes? i). Yes, ii). No
111. Have you ever attended any such meeting? i). Yes, ii). No

112. Do you know any government schemes for the fisherman communities – which have been formulated to help their livelihood during the time of natural disaster? i). Yes, ii). No

113. Is the boat you use is under insurance coverage? i). Yes, ii). No, iii). N.A

**Mechanization, Common Property and Social Movement**

114. Do you think that there is an over increase of motorized boats?
   i). Motorized boats have increased than the permissible limit, ii). There is no substantial increase in the motorized boats, iii). No opinion on this.

115. Does mechanization of boats help fishermen in getting more catch?
   i). Yes, ii). No, iii). No idea.

116. Are there any demerits observed with the increase of the mechanized boats?
   i) Damage to nets
   ii) Violating access and boundary norms
   iii) Pollution of lake waters
   iv) Over fishing
   v) Disturbance of fish breeding areas
   vi) Other

117. Which are the fishing gears used by fishermen?

118. Are the fishermen aware of the illegal fishing (which includes fishing gears banned by the Government, and areas prohibited for fishing) in the lake? i) Yes, ii) No.

119. Do fishers Use Illegal Gears?
   i). There are many fishers who are using illegal fishing gears in their village, ii). Only few fishers are using illegal gears, iii). Fishers are not using illegal gears.

120. What is your opinion on illegal gears?
i). use of the illegal fishing gears should be stopped, ii). Fishers have no alternative solutions, other than using these gears. iii). It should be the choice of the fishermen to use the fishing gear.

121. From where have you inherited the fishing rights?
   i). Inherited their fishing right from fathers, ii). From the government, iii). Self-established.


123. Are you aware of the fishing boundary?
   i). Different fishing communities and the groups are aware of their boundaries. ii). Fishing communities are not aware of the boundary

124. Are there established community norms available for fishermen? Are they generally practiced or violated? Give your opinion.
   i). I respect the community access controls and have never violated the norms. ii). We have violated community norms.

125. Do you think demarcation of the shoreline can help in protecting the lake and increase in fish catch? i). Yes, ii) No.

126. Do you understand what siltation is and is sedimentation an issue for the fishermen? i). Siltation is a major issue, which is affecting Chilika's ecology, ii). It is not an issue. iii). No idea about this and siltation really does not matter

127. Is the entry of outsiders affecting the traditional fishermen?
   i). Outsiders are threat to traditional fishing community, ii). Outsiders are not threat to the traditional fishermen

128. Do the police play a role in maintaining peace in the area?
   i). Police do not play a vital role in maintaining peace, ii). Police play vital role in maintaining peace and harmony, iii). Police do not have any role in their area, even though they have a presence
129. Have you ever participated in Demonstrations or Social Movements?
   i) Yes, ii) No.

130. Who leads the demonstration or movement? i). Mobilized by a political group for demonstrations. ii). Fishermen themselves lead the demonstrations. iii). No idea about the leadership and follow families' decision for participating in the demonstrations.


132. Which are the most striking problems affecting the lakes fisheries?
   i) Additional no. of mechanized boats. 
   ii) Leasing lake water for prawn aquaculture 
   iii) Over fishing 
   iv) Siltation 
   v) Environmental degradation 
   vi) Others 

133. Who is a better decision making authority, which you follow?
   i) Follow the decisions of the community, 
   ii) Police and administration take better decision.
   iii) Political leaders take better decision
   iv) NGO's decision.
   v) Others including the family members, religious leaders.

NOTES & QUOTABLE STATEMENTS:

Focus Group Discussion

- Do you know what natural disaster is?
- Which of the following natural disasters do you think is the most frightening:
  o Earthquake, Fire, Volcanic eruption, Hurricane, Cyclone Flood, Tsunami Why?
- What natural disasters have you (or someone you know) experienced? Tell about what happened.
• What's the worst natural disaster your state has ever experienced? What happened? How much damage did it cause?
• How did the community respond?
• Do you know how the following natural disasters are caused: tsunami, drought, Cyclone, Fire?
• How has the weather changed during your lifetime? For example, do you think it's gotten more extreme?
• Why do you think that the weather is changing?
• What do you think will happen with the weather in the 21st century?
• Do you feel that government should make some provision for the fisherman to help the livelihood of the fisherman during the natural disaster?