POVERTY ALLEVIATION OF FISHERY COMMUNITY OF PATNA (BIHAR, INDIA) THROUGH CHANGE IN TRADITIONAL PRACTICES
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INTRODUCTION: ABOUT PATNA

- Capital of Bihar
- 2\textsuperscript{nd} largest city of North India
- Largest riverine area of the world
- Natural production of fishes
- Fish capture: traditional practice

Patna

Ponds

Local Water bodies

Rivers

Larger basin areas
STATUS OF WATER BODIES (1990 & 2015)

Ganga – 1990

Natural pond – 1990

2015

2015
## Recourse Status of Patna

<table>
<thead>
<tr>
<th></th>
<th>Fish Production</th>
<th></th>
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<tbody>
<tr>
<td>01</td>
<td>By Capture</td>
<td>80%</td>
</tr>
<tr>
<td></td>
<td>By Culture</td>
<td>20%</td>
</tr>
<tr>
<td>02</td>
<td>Total area of Fish farm</td>
<td>7 Acre</td>
</tr>
<tr>
<td>03</td>
<td>Total area of fish pond</td>
<td>2176 Hectare</td>
</tr>
<tr>
<td>04</td>
<td>No. Of Hatchery</td>
<td>01 (closed)</td>
</tr>
<tr>
<td>05</td>
<td>No of training centre</td>
<td>00</td>
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</table>
STATUS OF FISHERY COMMUNITY

- Status: Mostly in “Below poverty line” *(BPL family)*.

- Literacy rate: **39% (slowly increasing)**

- Profession: Fish catching & marketing as whole sale (Men); retail (man & women)

- Other engagements - work in Agriculture field, Grocery shop, labour in construction sites, Rickshaw pulling, etc.
REASON BEHIND SHIFTING OF PRACTICES

River
- depletion of water
- increase of sediments
- increase of pollution & contamination load

Local Water bodies
- Increase of pollution & contamination load
- Encroachment for road & building construction
OTHER REASON

- Poor infrastructure for aquaculture
- Lack of technical knowledge
- Financial problems
- Lack of security of life
- Contract system of harvesting of fish: (River n Pond)
  ---- involvement of high linked person with Government persons/politicians and muscles man.
  ---- contractor hires fisherman to harvest fishes from rivers and water bodies.
  ---- Short period of work without a regular job.
# Government Plan: For Betterment

**Central Government supported scheme:**

<table>
<thead>
<tr>
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<th>Development of Inland fresh water aquaculture</th>
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<tbody>
<tr>
<td>02</td>
<td>Group accidental insurance schemes,</td>
</tr>
<tr>
<td>03</td>
<td>Training and extension schemes,</td>
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<tr>
<td>04</td>
<td>Fishermen housing under National welfare scheme,</td>
</tr>
<tr>
<td>05</td>
<td>Inland fisheries statistics and Information Network.</td>
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</table>
# Government Plan

**State government Plan:** (Important)

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<tr>
<th></th>
<th>Description</th>
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<tbody>
<tr>
<td>01</td>
<td>Strengthening of fisheries organizations</td>
</tr>
<tr>
<td>02</td>
<td>Fish marketing schemes</td>
</tr>
<tr>
<td>03</td>
<td>Fishery extension schemes</td>
</tr>
<tr>
<td>04</td>
<td>Fishery research schemes</td>
</tr>
<tr>
<td>05</td>
<td>Production and supply of quality fish seeds</td>
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</table>
COMPARISON

Fish capture
- Short period engagement
- Uncertain work
- Limited use
- Production depends on nature
- Limited income

Fish culture
- Regular engagement
- Certain work
- Better use of water bodies
- Desired production
- Better income
ACTUAL CONDITION:

- Huge recourse
- Less effort
- Limited production
- Limited income
RECOMMENDATION

- The **fish culture** system should be prioritised in the fishery work.
- Insure harvesting contracts to fishery community
- Intensive program for literacy
- Training programme for fishery community to both genders,
- Innovation of modern techniques with full support of financial and technical base,
- Conservation of river water and local water bodies,
- Insure the safe and secured market place,
- Easy loan facility through Bank
ACTION + OUTCOME

Government & non-government organization and Private sector should take initiation for the development of fish industry

Need to change in traditional practices to modern aquaculture practice

Give better income to Fishery community

Enhance the economical support to the state as well as country.
THANKS