# Questionnaire

**Detailed Questionnaire Regarding the Adoption of Improved Practices by the Farmers and the Benefits Achieved by Them, in Raipur District.**

Identification:

1.1 Name of Development Block——— Village ———

1.2 Name of farmer——— Age—— Education——

1.3 Size of family: No. of Adults———
   - School going Children———
   - Marriagable girls...........
   - Little Children.......  

1.4 Size of Holding: acres..... Land taken on lease........
   - Type of soil: Kanhar, Matasi, Domsa.. Bhata.
   - Acres——

1.5 Area under Irrigation: acres —— Sources of irrigation.
   - 1— 2— 3— 4—

1.6 Area under different crops:— Irrigated Unirrigated
1.7 Livestock - Cattle Buffaloes Goats

2a= Adoption of farm production techniques:

1 - Whether the farmer prepares production plan. yes/no

2 - If the answer is yes, then:

a - Does he prepare it with the help of officials or himself.

b - Does he prepare plan for whole farm/some plots/paddy crop/ ----

c = Summary of farm plan:

Area under improved practices ---- acres
Value of inputs ...... Rs
Credit required ---- Rs
Expected crop yield ---- maunds
Margin of profit ....... Rs

> - If the answer is no, then the reasons are:

a - He is not convinced with the idea.

b - He does not get help from officials.

c - He does not get adequate credit for inputs.

d - He is a tenant or small farmer.

e - His previous experience is not satisfactory.

f - His own resources are very poor.

g - The financing of farm plan takes too much time.

h - Any other reason?

> Use of high yielding variety seeds:

1 - Is the farmer using high yielding variety seeds. yes/no.

2 - If the answer is yes, then:

Crop, area, quantity, source of supply.
1. Why does he like high yielding seeds:
   - Better yield, better quality, disease resistant, suitable to local conditions.

2. If the answer is no, then the reasons are:
   a. Seeds are not available at proper time.
   b. Quality of seeds is not better than local seeds.
   c. Quality is not good for consumption purpose.
   d. Yield per acre is enumerative.
   e. He cannot use required quantity of fertilisers.
   f. Incidence of diseases and pests is very high.
   g. Seeds are not locally adaptive.
   h. Irrigation facilities are not available.
   i. Any other reason.

3. Use of fertilisers:
   1. Is the farmer using fertilisers? Yes/No.
   2. What fertilisers are used? Nitrogenous, Phosphatic, Potash.
   3. If he is using fertilisers, the details are:
      a. Area covered --- ares.
      b. Doses of fertilisers --- kg.
      c. Source of procurement.
      d. Method of application.

4. If he is not using fertilisers, then the reasons are:
   a. He is using enough manure.
   b. Use of fertilisers is not useful.
   c. Irrigation facilities are not available.
   d. Rainfall is uncertain.
   e. Use of fertilisers is harmful for the fields.
   f. Adequate credit is not available.
g- Prices of fertilisers are high.

h. Yield per acre does not increase considerably.

i. Any other reason.

5- Use of manure:

Whether the farmer uses manure  yes/no.

What type of manures does he use:

1- Cattle dung, Green manure compost other

acre--------- ----- ----- ------

Does he prefer manures to fertilisers  yes/no

6- Plant protection manures:

1- Whether the farmer is using plant protection measures.  yes/no.

2- If he is using the details are:

1- Area -- 2- Crop -- 3- Chemicals -------

------ ------- ------- 

2- Name of diseases: 1- 2- 3-

4- Name of pests: 1- 2- 3-

2- Does he adopt prophylactic measures  yes/no.

6- How many times does he use the chemicals.

7- Effectiveness of measures 100%, 50%, 25% nil.

8- If he is not using the plant protection measures the reasons are:

a- There is no incidence of disease and pests.

b- Chemicals are not available within the easy approach.

c- Adequate supply of chemicals is not available.

d- Adequate credit is not granted.

e- Timely supply of implements is not made available.

f- The cost of chemicals is very high.
g-He is ignorant of the use of chemicals.

h. Chemicals are not very effective.

i. Use of chemicals is harmful to the crops.

j-Any other reason.

7- Agricultural engineering:

1- Is the farmer using improved implements. yes/no.

2- He is using the following implements and machines .

1---- 2---- 3---- 4---- 5----

2- Implements and machines are useful as they: save time/
save money / make the work easy / increase the yield/---

4- If he is not using the implements, the reasons are:

a-Cost of implements is very high.

b-Improved implements are better than local implements.

c-He is not convinced with the effectiveness of implements.

d- Implements are not locally adaptive.

e-His farm is not suitable for implements and machines.

f-Technical guidance to operate the machines is not available.

g- Diesel, electricity etc, power is not available.

h- Any other reason.

8- Irrigation facilities:

1- Average rainfall inches----

2- Occurrence of drought conditions due to; poor rainfall/
uneven rainfall /---

3- Means of irrigation are protective / productive.

4- Farmer is not irrigating fields due to the following
reasons : -
a-No necessity of irrigation due to adequate rainfall.
b-No irrigation means.
c-Fields are suitable for irrigation.
d-Canal is at long distance.
e-Canals do not supply water in off-season.
f-Charges of irrigation are very high.
g-Long term credit is not available for wells, tank, or electric pump etc.

9. Any other reason.

9. Availability of Credit:

1. Does the farmer is getting credit - yes/no.

2. Is he a member of co-operative society - yes/no.

3. He requires credit for: fertilizers/seeds/implements/labour/construction of well, tank, electric or oil pump etc.

4. Does he require credit for land improvement/cattle purchasing/consumption etc.

5. He gets credit from:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Amount</th>
<th>Duration</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>


8. Village money lender.

9. If he is not getting credit the reasons are:

a. He does not need credit.
b. He is a tenant or small farmer.
c. He is a defaulter.
d. Timely credit is not supplied.
e. Procedure is cumbersome.
a adequate credit is not granted.
b Co-operative society is not in his village.
c Any other reason.

10- Repayment capacity:

1- Whether the farmer has repaid his loan. Yes/No
2- He has not repaid the loan due to the reasons:
   a- His expenditure is more than his income.
   b- He is reluctant to repay the loan.
   c- He has wasted money in gambling, drinking etc.
   d- Amount of outstanding loan: Co-operative society $———
       Village money lender $———

11- Marketing of produce through co-operative marketing society:

1- Whether the farmer is selling his produce: Yes/No

2- He is selling produce through co-operative society:

   Food Grains: Quantity
   Paddy  Wheat  Pulses ————

   Paddy
   wheat
   pulses.
   other.
   ————

3- If he is not selling his produce through marketing society
   the reasons are:
   a- His marketable surplus is meagre.
   b- Marketing society is at long distance.
   c- He is compelled to sell the produce to the money lender.
   d- Means of transportation are available.
   e- Any other reason.
12-Double cropping and land reclamation activities:—
Is the farmer raising double crops from the fields. yes/no

2-What is the pattern of his crop:—whole farm/some plots/paddy crop/—

3-He is raising double crops due to the reasons:—
   a-Means of irrigation are poor.
   b-Double crops are not possible due to soil texture.
   c-Lack of resources.
   d-Any other reasons.

4-Does he carry out land development activities: bunding/terracing/levelling/drainage/—

13-Effectiveness of demonstrations:—
1-Whether the farmer is following the demonstration practices. yes/no.

2-If he does not follow the demonstration practices the reasons are:—
   a-Demonstrations are successful.
   b-Demonstration plots are very far from his home.
   c-Practices are costly and beyond his means.
   d-Any other reason.

14-Working conditions of landless labourers and employment opportunities (To be asked from a labourer)
1-Whether you apply labourers on your farm. yes/no.
2-If he applies the labourers the details are:—
Activities. No. of days. Without improved with improved practices. practices.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Males</th>
<th>Females</th>
<th>Kind</th>
<th>Cash</th>
<th>Males</th>
<th>Females</th>
<th>Kind</th>
<th>Cash</th>
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</thead>
<tbody>
<tr>
<td>Ploughing</td>
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<td>Transplanting</td>
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<td>Nilai &amp; Chalai</td>
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<tr>
<td>Harvesting</td>
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<td>Thrashing</td>
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</table>

3-Wage rates.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Males</th>
<th>Females</th>
<th>Kind</th>
<th>Cash</th>
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<tbody>
<tr>
<td>Ploughing</td>
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<td>Harvesting</td>
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<td>Thrashing</td>
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<tr>
<td>Bundling, levelling</td>
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</tbody>
</table>

4-Difference between the of wages before and package program.

5-Whether the demand for has increased or not.

6-How much amount do you spent on labourers every year.

7-Do you ask from the labourers-

8-How many days work do you get at farmers' fields.

9-Whether the wage rates have increased or not.
10-Is there any increase in your due to package programme---

11-Do you get additional work due to land reclamation
  No. of days—/Cultural practices, No. of days—/
  Transplantation of paddy, No. of days—/construction of
  wells, tanks etc, No. of days—/

12-Total income and expenditure:

<table>
<thead>
<tr>
<th>Income</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Agricultural work £------</td>
<td>1-Food articles £--</td>
</tr>
<tr>
<td>2-Non-agricultural work £--</td>
<td>2-Clothings £--</td>
</tr>
<tr>
<td>3-Income from enterprises or</td>
<td>3-Light, fuel, housing £--</td>
</tr>
</tbody>
</table>
  fishing, poultry etc. £    |
| 4-Loan taken. £--          | 4-Education £--               |
| 5-Profit or loss. £--       | 5-litigation, marriage,     |
  capital expenditure £--    |
|                            | 6-loan repaid £--            |
|                            | 7-other.                     |

15-Yield rates of the farmers (Paddy)
  1-Paddy, area-----  2-Total yield----- Maunds.
  3-Yield per acre ----- maunds.

16-Input -output relationship:

<table>
<thead>
<tr>
<th>Items</th>
<th>Package Plots</th>
<th>Non-Package plots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seeds £</td>
<td></td>
<td></td>
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<tr>
<td>Manures.</td>
<td></td>
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<tr>
<td>Fertilisers.</td>
<td></td>
<td></td>
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<tr>
<td>Labour charges.</td>
<td></td>
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<tr>
<td>Plant protection.</td>
<td></td>
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<tr>
<td>Total cost.</td>
<td></td>
<td></td>
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<tr>
<td>Total Yield.</td>
<td></td>
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<tr>
<td>Total Income.</td>
<td></td>
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<tr>
<td>Input -output relationship per acre.</td>
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</tr>
</tbody>
</table>
16—Total income and expenditure of a farmer:

<table>
<thead>
<tr>
<th>Income</th>
<th>Quantity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditure</td>
<td>Quantity</td>
<td>Value</td>
</tr>
</tbody>
</table>

Crops :
- Paddy
- Wheat
- Oilseeds
- Vegetables

1—Food articles:
- Rice
- Pulses
- Oil & ghee
- Vegetables

2—Selling of animals.

3—Milk and cheese.

4—Poultry/Fishery/

5—Out income from service.

6—Loan.

7—Other

profit or loss.

8—Expenditure on agriculture.

9—Loan repaid.

10—Capital expenditure.

11—Other items.

17—Impression of the farmer regarding the effectiveness of package programme.

18—Interview with the extension officer/Village level workers.

1—Name of block

2—Name of worker

3—Area of operation

4—No. of villages

4—How long have you been associated with the programme?

5—How long have you been working at the same place?
6- Are you interested in your transfer or not.
7- Is your promotion due / or it is not given to you ———
8- Do you get a full response from the farmers —yes/no.
9- Is your area comparatively large and not easily approachable?
10- Do you feel any difficulty in getting touch with the farmers due to: 1-village faction/2-conservative attitude/
    3-illiteracy /4-other……
11- How many farmers do you contact every year.———
12- Are you engaged in some non-agricultural work…. 
13- Do you enlist every farmer, small, medium and large.
14- Type of farmers who take keen interest in programme————
15- Which of the inputs is most popular in your area.
16- Which of the machine or implement is most popular in your area.
17- Your general impression regarding the success of the programme.
APPENDIX B.

LIST OF 39 VILLAGES OF BHATAPARA AND BILAIGARH DEVELOPMENT BLOCKS.

Bhatapara Development Blocks:
1. Deorani
2. Piprahi
3. Kheri
4. Rajadhar
5. Aesur
6. Surkhi
7. Dhurrabandha
8. Khan
9. Maldi
10. Karama

Bilaigarh Development Blocks:
11. Girsaw
12. Sardi
13. Chacharale
14. Lakhordin
15. Malai Bhatia
16. Mirchid
17. Singhitar
18. Kodopali
19. Bhothidih
20. Dharasiwa
21. Govindvan
22. Bhatgaon
23. Sarsiwa
24. Pawni
25. Bilaigarh

Bhatapara:
26. Magarvai
27. Kodawa
28. Arjun
29. Bijabnat
30. Khaparadih
### APPENDIX C

List of Stage II, villages of Raipur District.

<table>
<thead>
<tr>
<th>1</th>
<th>Abhanpur Development Block:</th>
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<tbody>
<tr>
<td>1</td>
<td>Manikchauri</td>
</tr>
<tr>
<td>2</td>
<td>Tikai</td>
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<td>3</td>
<td>Hasda</td>
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<td>4</td>
<td>Dongritarai</td>
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<td>5</td>
<td>Daderjhori</td>
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<td>6</td>
<td>Sakari</td>
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<td>Beler</td>
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<td>8</td>
<td>Kopedih</td>
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<td>9</td>
<td>Bendri</td>
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<td>10</td>
<td>Kathia</td>
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<td>11</td>
<td>Garbhati</td>
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<td>12</td>
<td>Chiparadih</td>
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<td>Chhatta</td>
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<td>14</td>
<td>Sonthi</td>
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<td>15</td>
<td>Jidi</td>
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<td>16</td>
<td>Dagania</td>
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<td>17</td>
<td>Jabaibanda</td>
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<td>18</td>
<td>Satpara</td>
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<td>Amner</td>
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<td>Naikobagha</td>
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<td>21</td>
<td>Paloda</td>
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<td>22</td>
<td>Khatti</td>
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<td>23</td>
<td>Chahanpati</td>
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<tr>
<td>24</td>
<td>Kendri</td>
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<td>25</td>
<td>Khilari</td>
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<td>26</td>
<td>Ngora</td>
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<td>27</td>
<td>Jhiha</td>
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<td>28</td>
<td>Tendua</td>
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<td>29</td>
<td>Mekherera</td>
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<td>30</td>
<td>Doma</td>
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<td>31</td>
<td>Garbottti</td>
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<td>32</td>
<td>Mothidih</td>
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<td>33</td>
<td>Paragaon</td>
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<td>34</td>
<td>Pandore</td>
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<td>35</td>
<td>Patewa</td>
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<td>36</td>
<td>Tarri</td>
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<thead>
<tr>
<th>2</th>
<th>Kurud Development Block:</th>
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<tbody>
<tr>
<td>27</td>
<td>Kuhanadih</td>
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<tr>
<td>28</td>
<td>Theda</td>
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<td>29</td>
<td>Bhothali</td>
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<td>30</td>
<td>Chatotha</td>
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<td>31</td>
<td>Mura</td>
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<td>32</td>
<td>Khursenga</td>
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<tr>
<td>33</td>
<td>Rakni</td>
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<tr>
<td>34</td>
<td>Semera</td>
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<tr>
<td>35</td>
<td>Fusera</td>
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<thead>
<tr>
<th>3</th>
<th>Dhamtari Development Block:</th>
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</thead>
<tbody>
<tr>
<td>46</td>
<td>Nijampuri</td>
</tr>
<tr>
<td>47</td>
<td>Bhothali</td>
</tr>
<tr>
<td>48</td>
<td>Doma</td>
</tr>
<tr>
<td>49</td>
<td>Parastarai</td>
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<tr>
<td>50</td>
<td>Puri</td>
</tr>
</tbody>
</table>
Dharsiwa Development block:-

51- Pawni. 52- Milja. 53- Mandhar.
54- Girod. 55- Jora. 56- Charoda.
57- Newarih. 58- Akoli. 59- Urwa.
60- Bharampura. 61- Dumar Talab. 62- Dal Talab Seoni.
63- Boria Khera. 64- Nimora. 65- Ukholi.
66- Dhanoli. 67- Bhatgaon. 68- Maharsakha.
69- Tarasar. 70- Bana. 71- Sejabahar.
72- Deoguri. 73- Turra. 74- Tasri. 75- Mogadi.

Tilda Development block :-

76- Budasan. 77- Ganiyari. 78- Tulsi.
79- Mohadi. 80- Kumari. 81- Kurra.
82- Nakoti. 83- Bhatan. 84- Patidihi.

Pallari Development Block :-

Amera.
85- Kungewa. 86- Manwam. 87- Jawas.
88- Khera. 89- Gabod. 90- Sashahar.

Balodabazar Development block :-

91- Sawanguri. 92- Saheda. 93- Kamaridih.
94- Suran. 95- Banbuda. 96- Chirputi.
100- sherar. 101- resar- 102- Mohara.
103- Angon. 104- Khecha. 105- Vhersala.

Bhatapura Development block :-
106- Naçarvai.  107- Piprahi.  108- Deorani.
109- Kodwa.

Arang Development Block:-
110- Parsada.  111- Khorsi.  112- Nagpura.
116- Nisada.  117- Baihar.  118- Charhadih.
119- Torqaon.  120- Bana.  121- Dewartilda.

Fingeswer Development block :-
125- Belkutari  126- Semertara.

Mahasmund Development block :-
127- Keswa.  128- Chnaparadih.  129- Kona.
130- Parsarti.  131- Boriajhar.

Bagbahara Development block :-
135- Pacheda.

Simga Development Block :-

Chnura Development block :-
139- Ghatkara.

Basana Development block :-
140- Gignala.  141- Barbaspur.

Nagari Development Block.
142- Semara. 143- Belabehar.