

Call - 594  
FAP-17

Government of the Peoples Republic of Bangladesh  
Flood Action Plan

# FAP 17

Fisheries Studies  
and  
Pilot Project

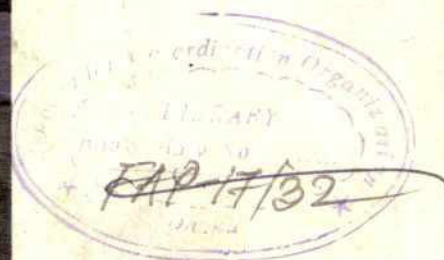
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## FINAL REPORT

(Draft)

JUNE 1994



Appendix 2



**SOCIOECONOMIC DATABASE  
AND  
DOCUMENTATION**

**ODA**

Overseas Development Administration, U.K.

2

**FAP 17**  
**FINAL REPORT**

**APPENDIX 2**

\*\* Draft \*\*

Socioeconomic Database  
and  
Documentation



FAP 17  
FISHERIES STUDIES  
AND PILOT PROJECT

June, 1994

Funded by ODA in conjunction with the Government of Bangladesh



# SOCIO ECONOMIC STUDY

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# 1 INTRODUCTION

## 1.1 General Description

### 1.1.1 Objective

The principal aims of the socio-economic component of the FAP-17 Fisheries Studies were to establish how changes in fisheries caused by flood control measures affect the livelihoods of different communities of people living in the floodplain of Bangladesh. The study therefore set out to analyse the role of fisheries in the livelihood strategies of different social and occupational groups in floodplain communities. Communities were selected both inside and outside existing flood control schemes who were located in areas with comparable agro-ecological characteristics.

Near each randomly selected village, one or more specialised fishing communities were identified who share fisheries resources with the main community. Each of these groups, consisting of a main village (usually principally agricultural) and several adjacent fishing communities, is referred to as a "village cluster". In each cluster, a quantitative survey to study labour, income and consumption was carried out over a one-year period. This was supported by a village appraisal to look at the historical and social processes in and around the study and their effects on fisheries.

### 1.1.2 Selection of sites and villages

Four regions were sampled;

- North-Central comprising of Dhaka and Manikganj districts ;
- North-West comprising of Pabna and Natore districts;
- North-east comprising Maulvibazar and Sunamganj district and
- South-West comprising of Faridpur, Gopalgang and Barisal districts.

Four main villages were selected in each region. Apart from the villages in the North-Central region and the villages within Pabna Irrigation and Rural Development Project (PIRDP), two sets of comparable inside/outside villages were selected using a simple random sampling



method. The satellite fishing communities were selected from those where fishermen exploited waterbodies located in or adjacent to the main communities.

### 1.1.3 Village census

A census survey covering all the households in main agricultural villages and fishing households in the satellite villages was conducted covering information on family members background, education, occupation involvement in fishing, land, pond, gear and boat ownership.

Based on the results of the census, households of the main villages were classified on landholding category, while for the satellite fishing communities the households were disegregated by fishing category. Landholding categories were defined in relation to total land owned as follows:

Large > 7.5 acres; Medium 2.5 - 7.49 acres; Small 0.5-2.49 acres and Landless < 0.5 acres. Fishing categories were defined as follows:

F1 = Fishing as only source of income;

F2 = Fishing as primary source of income but with other subsidiary source of income as well and

F3 = Fishing as secondary source of household income.

### 1.1.4 Household baseline survey

A baseline survey was conducted in the selected villages by interviewing respondents selected through a process of simple stratified random sampling technique. A simple pre-coded questionnaire was developed to collect information on the initial position of the respondents with regard to family size, education, employment and occupation of the family members, migration from other places, ownership status of land, land type and use of each crop production plot. Several other categories of information were also recorded, namely:

possession of assets like agricultural tools and machineries, livestock, transport etc;  
food deficit, clothing purchased and debts during last year;  
enterprises in which any household member was engaged and period of involvement.



### 1.1.5 Household monitoring

Household monitoring of all baseline survey respondents was carried out with regard to their source of income, expenditure, activities and food consumption pattern. The period covered was one year from *Magh* (January-February) 1399 *Bengali* year to *Poush* (December-January) 1400 *Bengali* year. Monthly information on income, expenditure, and activities related to eleven different categories of enterprises, such as, agricultural, livestock, agricultural labour, non-agricultural labour, food-for-works, self-employment, gear-making, fish trading, fishing enterprise, fish culture enterprise, expenditure saving activities were collected with the help of pre-coded forms developed separately for each enterprise.

### 1.1.6 Fish consumption monitoring

In order to obtain an understanding of seasonal variations in the relative importance of fish in the diet of different socio-economic groups, regular monitoring of food consumption was included in the monitoring process. A questionnaire was developed for application by the female research assistants of the team to interview the female members of target households on the composition of meals over the last 48-hours. Particular attention was paid to fish in the diet, where fish was obtained and whether it was bought or caught. In addition information was obtained regarding the frequency of fish consumption over a more extended period of one week.

### 1.1.7 Marketing study

The Fish marketing study was designed to examine different aspects of the fresh water fish marketing system and to estimate the benefits occurring to various actors at different levels of the marketing network.



## 1.2 Database Description

Information resources from the above surveys were captured and stored onto databases through data entry programs and procedures developed in dBASE IV. In most cases a single database was designed for a single form but occasionally more than one database was used to capture specific information items or multiple responses for a single item. In these cases the data is crossed referred through the use of key fields.

### 1.2.1 Village census

The collection of data for village census started in February, 1993 and continued till May 1993. Four census forms were used as described below. Each form is linked through IDCODE and HH\_SL to allow reference of data across forms.

<b>Census Form-1</b>	<b>:</b>	<b>Household Head's information</b>
Information items	:	H/H's age, sex, religion, education, number of household members, income earning members, main occupation, source of income, fishing activities, land owned with distribution, gear and boat ownerships.
Database name	:	VCENMAIN.DBF and VCENNAME.DBF
Record identifier	:	Key fields are IDCODE and HH_SL.
<b>Census Form-2</b>	<b>:</b>	<b>Information on fishing gear owned by H/H</b>
Information items	:	Name of gear, amount of gear owned, bought or made, age of gear, own cash or credit.
Database name	:	VCENSUSG.DBF



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Record identifier	:	Key fields are IDCODE, HH_SL and GRCODE
<b>Census Form-3</b>	:	<b>Information on pond and ditches owned by H/H</b>
Information items	:	Number of ponds and ditches, area of those, distance of those from house, seasonal or perennial, flooding status (high, low, normal) and culture fisheries.
Database name	:	VCENSUSP.DBF
Record identifier	:	Key fields are IDCODE, HH_SL and PND_DTCH
<b>Census Form-4</b>	:	<b>Information on boats owned by H/H</b>
Information items	:	Name of boats, ownership status, bought or made, age of boat, purchased by own cash or credit and used exclusively for fishing or not.
Database name	:	VCENSUSB.DBF
Record identifier	:	Key fields are IDCODE, HH_SL and BOATCODE.

### 1.2.2 Baseline and monitoring surveys

The collection of data for socio-economic baseline and monitoring started in June, 1993 and continued till April, 1993. The first round of monitoring was completed at the same time as the baeline survey.

In both baseline and monitoring surveys four questionnaires BL-01 to BL-04 and four monitoring questionnaires NF-01, FC-01, FE-01, FT-01 were used. The fields IDCODE, HH\_SL, SDATE, HHE\_ID were used to establish linkage across the forms. In analysing income generating issues and expenditure issues, data have been summarised from the primary or raw databases to secondary tables or outputs using variables FORTNHT1, FORTNHT2 and MONTH.

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<b>Baseline Form-1</b>	:	<b>Household Information and Household Migration</b>
Information items	:	Household member code, Relation to H/H, age, sex, religion, education, dependency, status of residency, any member migrated to or migrated from, reasons of migration etc.
Database name	:	BL1HI.DBF and BL1HM.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, HI_ID
<b>Baseline Form-2</b>	:	<b>Information on Land and Water Body Ownership and Operation</b>
Information items	:	Land, land area, Tenure status, time takes to reach to that land, flood depth, land type, irrigation status, etc.
Database name	:	BL2LW.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, PLOT
<b>Baseline Form-3</b>	:	<b>Information on Agriculture and Household assets, Livestock, Poverty Indicators</b>
Information items	:	Type, number and value of assets (agricultural tools and equipment, Irrigation equipment, Small Industry and Artisanal Equipment, Transport, Household goods).  Livestock type, number and value of them, ownership status, whether sharing in?  Clothing- adult members, number of lungies, number of saris, number of shawls.



Housing status, number of rooms, ownership status for those rooms, construction type

Database name : BL3ASET.DBF, BL3LIV, BL3PIC.DBF, BL3HDP.DBF

Record identifier : Combination of IDCODE, PHASE, HH\_SL, AS\_TYPE, AS\_ID for BL3ASET.DBF

Combination of IDCODE, PHASE, HH\_SL, LIV\_TYP, LIV\_ID for BL3LIV.DBF

Combination of IDCODE, PHASE, HH\_SL, ADLT\_HH for BL3PIC.DBF

Combination of IDCODE, PHASE, HH\_SL, HDP\_ID for BL3HDP.DBF

**Baseline Form-4 : Household Enterprises**

Information items : Household enterprise code, name of them, codes for active months, house members involve in to those enterprises.

Database name : BL4HE.DBF

Record identifier : Key fields are IDCODE, PHASE, HH\_SL, HE\_ID

**Monitoring NF 01 : Non-fisheries and Expenditure Saving Activities**

Information items : Household enterprise code, enterprise activity code, household members involved, location, active month, fortnight, cash income, non-cash, stocks, labour requirements by types

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Database name : NF1ES.DBF

Record identifier : Key fields are IDCODE, PHASE, HH\_SL, HHE\_ID, ENTPCODE, MONTH, FORTNHT1, FORTNHT2

**Monitoring FC 01 : Fish Culture Enterprises**

Information items : Household enterprise code, enterprise activity code, household members involved, location, active month, fortnight, stocking, type of inputs, type credit taken, harvested by, buyer code, sources, cash income, non-cash, credit repay, labour requirements by types

Database name : FC1FC.DBF

Record identifier : Key fields are IDCODE, PHASE, HH\_SL, HHE\_ID, ENTPCODE, MONTH, FORTNHT1, FORTNHT2

**Monitoring FE 01 : Fisheries Enterprises**

Information items : Household enterprise code, enterprise activity code, household members involved, location, active month, fortnight, water bodies, distance from house, water status, cash income, credit type, source, non-cash income, cash, expenditure, access payment, credit repay, labour requirements by type

Database name : FE1FE.DBF

Record identifier : Key fields are IDCODE, PHASE, HH\_SL, HHE\_ID, ENTPCODE, MONTH, FORTNHT1, FORTNHT2

<b>Monitoring FT 01</b>	:	<b>Fish Trading Enterprises</b>
Information items	:	Household enterprise code, enterprise activity code, household members involved, location, active month, fortnight, source, distance from house, days bought, credit, credit source, credit type, sale points, distance code, cash expenses, cash income, non-cash income, cash, credit repay, credit code.
Database name	:	FT1FT.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, HHE_ID, ENTPCODE, MONTH, FORTNHT1, FORTNHT2
<b>Monitoring UD 01</b>	:	<b>Household Information and Household Migration (used to capture any changes to Baseline-1 form.</b>
Information items	:	Household member code, Relation to H/H, age, sex, religion, education, dependency, status of residency, any member migrated to or migrated from, reasons of migration etc., and addition of subtraction of household information items.
Database name	:	BL1HIU.DBF and BL1HMU.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, HI_ID
<b>Monitoring UD-1</b>	:	<b>Information on Land and Water Body Ownership and Operation</b>
Information items	:	Land, land area, Tenure status, time takes to reach to that land, flood depth, land type, irrigation status, and addition or subtraction of any information items



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Database name	:	BL2LWU.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, PLOT
<b>Baseline UD-02</b>	:	<b>Information on Agriculture and Household assets, Livestock; Poverty Indicators</b>
Information items	:	Type, number and value of assets (agricultural tools and equipment, Irrigation equipment, Small Industry and Artisanal Equipment, Transport, Household goods) and or subtract .
		Livestock type, number and value of them, ownership status, whether sharing in?
		Clothing- adult members, number of lungies, number of saris, number of shawls.
		Housing status, number of rooms, ownership status for those rooms, construction type
Database name	:	BL3ASET.DBF, BL3LIV, BL3PIC.DBF, BL3HDP.DBF
Record identifier	:	Combination of IDCODE, PHASE, HH_SL, AS_TYPE, AS_ID for BL3ASET.DBF
		Combination of IDCODE, PHASE, HH_SL, LIV_TYP, LIV_ID for BL3LIV.DBF
		Combination of IDCODE, PHASE, HH_SL, ADLT_HH for BL3PIC.DBF
		Combination of IDCODE, PHASE, HH_SL, HDP_ID for BL3HDP.DBF

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<b>Monitoring UD-02</b>	<b>:</b>	<b>Household Enterprises</b>
Information items	:	Household enterprise code, name of them, codes for active months, house members involve in to those enterprises and add or subtract information .
Database name	:	BL4HEU.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, HE_ID

### 1.2.3 Consumption survey

The collection of data for consumption survey started in June 1993 and continued till April 1994. During that period 4 or 5 rounds of the monitoring survey were completed. The Consumption survey enumeration was undertaken in every 2nd round of the monitoring survey.

An Eight page questionnaire was in consumption survey. Page 2 and Page 5 contain the same questions which have been for interviews on day 1 and day 2. Pages 3 and 6 were used in a similar manner. The databases have been designed keeping a linkage option through key variables so that food consumption for every individual up to regional summaries can be estimated. The linking variables are IDCODE and HH\_SL.

<b>Consumption Page 1</b>	<b>:</b>	<b>Information on 24 hours dietary Recall</b>
Information items	:	Region, village, household head, household member, relation with household, age, sex, status of pregnancy or lactation, intake
Database name	:	DIET.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, DI_SL

<b>Consumption page 2</b>	:	<b>Information on 1st/2nd day Cooking and Meal</b>
Information items	:	Region, village, household head, frequency of cooking, cooking time, items, status on surplus, major ingredients (foods) with their code, quantity.
Database name	:	COOKING.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, CK_1_2, FOODCODE
<b>Consumption Page 3</b>	:	<b>Information on Fish taken on 1st/2nd day by the H/H (if known)</b>
Information items	:	Region, village, household head, names of fishes, their size and numbers, values, and quantity, sources, whether caught or bought from etc.
Database name	:	DS_FISH.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, DSF_1_2, FISHCODE
<b>Consumption Page 4</b>	:	<b>Information on taken Food as Wage on 1st day</b>
Information items	:	Region, village, household head, household member, Number of meals, major ingredients, amount of ingredients
Database name	:	WAGE.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, WAGE_1_2, HH_MBR



<b>Consumption Page 8</b>	:	<b>Information on Cooking Oil and Fish eaten by family excluding 2 days of nutrition monitoring</b>
Information items	:	Region, village, household head, Oil items, purchase time, quantity, units and prices, foodcode, average quantity of oil used
Database name	:	FUEL.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, ITEM
<b>Consumption Form 8</b>	:	<b>Information on Fish eaten by family excluding 2 days of nutrition monitoring</b>
Information items	:	Region, village, household head, names of fishes, their size and numbers, number of days eaten, sources etc.
Database name	:	FM_FISH.DBF
Record identifier	:	Key fields are IDCODE, PHASE, HH_SL, FM_SL, SPECIES

#### 1.2.4 Fish marketing survey

The collection of data for marketing study starts in June, 1993 and continues till March, 1994.

Most of the questionnaires for the marketing survey are independent and were analyzed without cross linking with others. But in analysing financial and credit characteristics, linkage across the forms was established using key variables region, market, respondent, fish/species.

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**Marketing MS-01 : Information Market Characteristics and Infrastructures**

Information items : Market identification codes, market type, nature and occurrences status, area, infrastructures, packaging, linkages to fishing grounds and other market, transportation and movements

Database name : MS1CI.DBF, MS1SG.DBF, MS1XX.DBF

Record identifier : Key fields are REGION, MKSL

**Marketing MS-02 : Information Fish Market Functionaries Interviewing Faria, Bepari, Paikar, Chalani)**

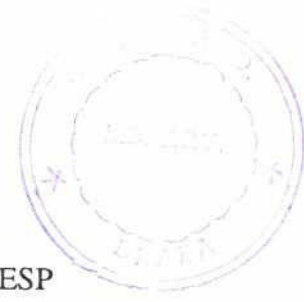
Information items : Market identification codes, market type, respondents identifications, respondent type, residence, number markets operates, period of engagement in fish trading, quantity of fish traded, sources of supply, capital investment for a cauline, sources of credit, modes of transportation used, causes of loss, suggestion for improvement, etc.

Database name : MS2FF.DBF

Record identifier : Key fields are REGION, MKSL, RESP

**Marketing MS-03 : Information on Marketing Cost**

Information items : Market identification codes, market type, respondent type, selling points, costs at buying points, packaging and processing costs, transportation cost, costs at selling



point, Arotder's commission, etc.

Database name : MS3MC.DBF

Record identifier : Key fields are REGION, MKSL, RESP

**Marketing MS-04 : Information on Fish Market Arotdari System**

Information items : Market identification codes, market type, respondent type, residence, engagement in fish trading, quantity of fish at peak and lean period, sources of supply any changes in last 5 years, reasons of change in trade availability reduced, reasons with ranks, sources of capital and credit, suggestion for improvement, about traders association, benefits from association, any commissions received etc.

Database name : MS4AR.DBF

Record identifier : Key fields are REGION, MKSL, RESP

**Marketing MS-05 : Information on Fish Collection Process (interviewing fisherman and producers)**

Information items : Market identification codes, market type, respondent type, fishing grounds, own any pond, selling markets, credit from traders for fish activity, availability of fish in last 5 years, reasons for that, quantity and prices on selling fish,

Database name : MS5CP.DBF

Record identifier : Key fields are REGION, MKSL, RESP



**Marketing MS-06 : Information on Fish Market Functionaries (Retailing system)**

**Information items :** Market identification codes, market type, respondent type, number of markets operate, engagement in fishing, period of involvement of family members in fish trade, quantity and price of fish during peak and lean period, fishing ground, change in fish trade volume in last 5 years, reasons for that, availability of fish in last 5 years, reasons for that, sources of capital and credit, benefits from fishing.

**Database name :** MS6RE.DBF

**Record identifier :** Key fields are REGION, MKSL, RESP

**Marketing MS-07 : Information on Ice plants and factories**

**Information items :** Market identification codes, market type, respondent type, basic information on ice, type of ice produced, plants running at normal capacity, delivery of ice

**Database name :** MS7PF.DBF, MS7MKTS.DBF

**Record identifier :** Key fields are REGION, MKSL, RESP

**Marketing MS-08 : Information on Transport agency**

**Information items :** Market identification codes, market type, respondent type, name of transport agency, place of information, respondent's, designation, origin of fish market, destination of market, distance and cost per mand per kg etc.

Database name	:	MS8TA.DBF
Record identifier	:	Key fields are REGION, MKSL, RESP,TA_NAME
<b>Marketing MP-01</b>	:	<b>Information on quantity and price of fish as traded by respondents</b>
Information items	:	Market identification codes, market type, respondent type, number of bundles, name of fishes, their percentage, price per kg, bundle weight, selling and buying price per bundle
Database name	:	MPIQF.DBF
Record identifier	:	Key fields are REGION, MKSL, BUNDLE, SPCODE
<b>Marketing FPMR</b>	:	<b>Information on fish price monitoring (retrospective)</b>
Information items	:	Market identification codes, market type, respondent type, fish group, fish name, month, observations
Database name	:	FMPR.DBF
Record identifier	:	Key fields are REGION, MKSL, FISHGR, SPCODE
<b>Marketing FPM</b>	:	<b>Information on fish price monitoring</b>
Information items	:	Market identification codes, market type, respondent type, fish group, fish name, observations
Database name	:	FMP.DBF
Record identifier	:	Key fields are REGION, MKSL, FISHGR, SPCODE

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## 2 VILLAGE CENSUS SURVEY

### 2.1 List of Database Files

1. Information on Household under Villages  
VCENMAIN.DBF  
VCENNAME.DBF
2. Information on Fishing Gears owned by the households  
VCENSUSG.DBF
3. Information on Pond/ditches owned by the households  
VCENSUSP.DBF
4. Information on Fishing boats owned by the households  
VCENSUSB.DBF

### 2.2 Structure of Databases

#### 2.2.1 Structure for database: VCENMAIN.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	REGION	Numeric	1		N
3	VILL_NO	Numeric	1		N
4	SUB_VILL	Numeric	1		N
5	HH_SL	Character	4		N
6	AGE	Numeric	2		N
7	SEX	Numeric	1		N
8	RELIG	Numeric	1		N
9	EDUC_YR	Numeric	2		N
10	HH_MBRS	Numeric	2		N
11	ERN_MBRS	Numeric	2		N
12	OCPN_HH	Numeric	1		N
13	RANK_FRM	Numeric	1		N
14	RANK_FSH	Numeric	1		N
15	RANK_LAB	Numeric	1		N
16	RANK_TRD	Numeric	1		N
17	RANK_OTH	Numeric	1		N
18	MONTH_FD	Numeric	2		N
19	DEC_CULT	Numeric	5		N
20	DEC_HSTD	Numeric	4		N
21	DEC_POND	Numeric	4		N
22	DEC_ORCD	Numeric	4		N
23	DEC_NOCL	Numeric	4		N

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Field	Field Name	Type	Width	Dec	Index
24	TOT_DEC	Numeric	6		N
25	FG_OWNED	Character	1		N
26	BT_OWNED	Character	1		N
27	PAGENO	Character	3		N
28	SHEET	Character	5		N
29	BATCH	Character	6		N
30	ENT_DATE	Date	8		N
31	L_CATEG	Numeric	1		N
32	F_CATEG	Numeric	1		N
33	SPECTRUM	Numeric	1		N
34	GEAR_INV	Numeric	6		N
35	BOAT_INV	Numeric	6		N
36	PROCESSED	Logical	1		N
37	DATAPROB	Logical	1		N
38	SP_ORDER	Numeric	1		N
39	OLD_FCATT	Numeric	1		N
40	REVISED	Logical	1		N
<b>** Total **</b>			<b>102</b>		

### 2.2.2 Structure for database: VCENNAME.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	HH_NAME	Character	25		N
4	HH_FNAME	Character	25		N
5	SPECTRUM	Numeric	1		N
6	F_CATEG	Numeric	1		N
7	L_CATEG	Numeric	1		N
8	SAMPLE	Numeric	1		N
9	MONITOR	Logical	1		N
10	RANDOM	Numeric	7	5	N
11	DATAPROB	Logical	1		N
12	BATCH	Character	7		N
13	OLD_FCATT	Numeric	1		N
14	REVISED	Logical	1		N
<b>** Total **</b>			<b>82</b>		

### 2.2.3 Structure for database: VCENSUSG.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	GR_SL	Numeric	2		N

Field	Field Name	Type	Width	Dec	Index
4	GRCODE	Numeric	4		N
5	MCODE	Character	5		N
6	SCODE	Character	1		N
7	NAME_LOC	Character	20		N
8	NAME_ENG	Character	20		N
9	NO_GRS	Numeric	7	2	N
10	GR_AMT	Numeric	9	2	N
11	GR_UNIT	Character	3		N
12	PUR_MKE	Numeric	1		N
13	GR_AGE	Numeric	3		N
14	MKT_PRC	Numeric	9	2	N
15	CSH_CRDT	Numeric	1		N
16	SHEET	Numeric	2		N
17	ENT_DATE	Date	8		N
18	BATCH	Character	6		N
19	CEFNO	Numeric	1		N
20	PG_NO	Character	3		N
21	F_CATEG	Numeric	1		N
22	L_CATEG	Numeric	1		N
23	SPECTRUM	Numeric	1		N
24	SP_ORDER	Numeric	1		N
25	GEARDUM	Numeric	3		N
26	GRTYPE	Character	5		N
27	REVGEAR	Numeric	3		N
28	INOUT	Numeric	1		N
<b>** Total **</b>			<b>131</b>		

#### 2.2.4 Structure for database: VCENSUSP.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	PND_DTCH	Character	1		N
4	PD_SL	Numeric	1		N
5	AREA	Numeric	7	1	N
6	DISTANCE	Numeric	4		N
7	OWNSHP	Numeric	5	1	N
8	SZL_PNL	Numeric	1		N
9	FL_HIGH	Numeric	1		N
10	FL_NORM	Numeric	1		N
11	FL_LOW	Numeric	1		N
12	CULTRD	Numeric	1		N
13	FORMNO	Numeric	1		N
14	SHEET	Character	5		N
15	ENT_DATE	Date	8		N

Field	Field Name	Type	Width	Dec	Index
16	BATCH	Character	6		N
17	PAGENO	Character	3		N
18	L_CATEG	Numeric	1		N
19	F_CATEG	Numeric	1		N
20	SPECTRUM	Numeric	1		N
<b>** Total **</b>			<b>59</b>		

### 2.2.5 Structure for database: VCENSUSB.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	BOATCODE	Numeric	3		N
4	NAME_LOC	Character	20		N
5	NAME_ENG	Character	20		N
6	OWNSHP	Numeric	5	1	N
7	PUR_MKE	Numeric	1		N
8	BT_AGE	Numeric	3		N
9	MKT_PRC	Numeric	6		N
10	CSH_CRDT	Numeric	1		N
11	EX_FISH	Numeric	1		N
12	FORMNO	Numeric	1		N
13	SHEET	Character	5		N
14	ENT_DATE	Date	8		N
15	BATCH	Character	6		N
16	PAGENO	Character	3		N
17	L_CATEG	Numeric	1		N
18	F_CATEG	Numeric	1		N
19	SPECTRUM	Numeric	1		N
<b>** Total **</b>			<b>96</b>		



### 2.3 Description of Database Fields

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
VCENMAIN	1	IDCODE	C	5	0	Village Code as NC1-1,NW2-3,,...
VCENMAIN	2	REGION	N	1	0	Region as NC,NW,SW,NE
VCENMAIN	3	VILL_NO	N	1	0	Village number as 1,2,3,,...
VCENMAIN	4	SUB_VILL	N	1	0	Subsistance village code as 1,2,3,,...
VCENMAIN	5	HH_SL	C	4	0	Household code KA05 (Two charater + numeric digit)
VCENMAIN	6	AGE	N	2	0	Age of the household
VCENMAIN	7	SEX	N	1	0	Sex of the household
VCENMAIN	8	RELIG	N	1	0	Religion of the household
VCENMAIN	9	EDUC_YR	N	2	0	Education Year codes 1,2,3,...
VCENMAIN	10	HH_MBRS	N	2	0	No. of household members
VCENMAIN	11	ERN_MBRS	N	2	0	No. of income earning H/H members
VCENMAIN	12	OCPN_HH	N	1	0	Occupation codes for the Household head
VCENMAIN	13	RANK_FRM	N	1	0	Ranking of H/H income from different sources
VCENMAIN	14	RANK_FSH	N	1	0	FRM -> Farming, FSH -> Fishing
VCENMAIN	15	RANK_LAB	N	1	0	LAB -> Labour
VCENMAIN	16	RANK_TRD	N	1	0	LAB -> Trade
VCENMAIN	17	RANK_OTH	N	1	0	LAB -> Others
VCENMAIN	18	MONTH_FD	N	2	0	Fishing month
VCENMAIN	19	DEC_CULT	N	5	0	Area of cultivated land in decimal
VCENMAIN	20	DEC_HSTD	N	4	0	Area of homestead in decimal
VCENMAIN	21	DEC_POND	N	4	0	Area of pond in decimal
VCENMAIN	22	DEC_ORCD	N	4	0	Area of orchard in decimal
VCENMAIN	23	DEC_NOCL	N	4	0	Area of non-cultivated land in decimal

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
VCENMAIN	24	TOT_DEC	N	6	0	Total area of land in decimal
VCENMAIN	25	FG_OWNED	C	1	0	Fishing gear owned
VCENMAIN	26	BT_OWNED	C	1	0	Fishing boat owned
VCENMAIN	27	PAGENO	C	3	0	Page no used for form control
VCENMAIN	28	SHEET	C	5	0	Sheet no used for sheet control
VCENMAIN	29	BATCH	C	6	0	Batch no used for batch control
VCENMAIN	30	ENT_DATE	D	8	0	Date of entry
VCENMAIN	31	L_CATEG	N	1	0	Code for land category (pooled during processing)
VCENMAIN	32	F_CATEG	N	1	0	Code for fishing category (pooled during process)
VCENMAIN	33	SPECTRUM	N	1	0	Spectrum code pooled when processing
VCENMAIN	34	GEAR_INV	N	6	0	Number of gears
VCENMAIN	35	BOAT_INV	N	6	0	Number of boats
VCENMAIN	36	PROCESSED	L	1	0	Processed or not used during processing
VCENMAIN	37	DATAPROB	L	1	0	Data probability
VCENMAIN	38	SP_ORDER	N	1	0	Species order
VCENMAIN	39	OLD_FCATT	N	1	0	Old facts
VCENMAIN	40	REVISED	L	1	0	Revised or not
VCENNAME	1	IDCODE	C	5	0	Village code as NC1-1
VCENNAME	2	HH_SL	C	4		Code of the Household head
VCENNAME	3	HH_NAME	C	25		Name of the Household head
VCENNAME	4	HH_FNAME	C	25		Father's name of household head
VCENNAME	5	SPECTRUM	N	1		Included for processing purpose
VCENNAME	6	F_CATEG	N	1		Included for processing purpose
VCENNAME	7	L_CATEG	N	1		Included for processing purpose
VCENNAME	8	SAMPLE	N	1		Included for processing purpose

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
VCENNAME	9	MONITOR	L	1		Included for processing purpose
VCENNAME	10	RANDOM	N	7	5	Included for processing purpose
VCENNAME	11	DATAPROB	L	1		Included for processing purpose
VCENNAME	12	BATCH	C	6		Used for Batch control
VCENNAME	13	OLD_FCAT	N	1		Included for processing purpose
VCENNAME	14	REVISED	L	1		Included for processing purpose
VCENSUSG	1	IDCODE	C	5	0	Village Code as NC1-1,NW2-3,,...
VCENSUSG	2	HH_SL	C	4	0	Household code as JK37,.....
VCENSUSG	3	GR_SL	N	2	0	Record serial for a gear
VCENSUSG	4	GRCODE	N	4	0	Gear code
VCENSUSG	5	MCODE	C	5	0	Code for gear group
VCENSUSG	6	SCODE	C	1	0	Site code
VCENSUSG	7	NAME_LOC	C	20	0	Local gear name
VCENSUSG	8	NAME_ENG	C	20	0	Gear name in English
VCENSUSG	9	NO_GRS	N	7	2	Number of gears owned
VCENSUSG	10	GR_AMT	N	9	2	Total number of gears
VCENSUSG	11	GR_UNIT	C	3	0	Units of measurements
VCENSUSG	12	PUR_MKE	N	1	0	Bought or Made
VCENSUSG	13	GR_AGE	N	3	0	Age of gear
VCENSUSG	14	MKT_PRC	N	9	2	Total replacement price (market price)
VCENSUSG	15	CSH_CRDT	N	1	0	Own cash or on credit
VCENSUSG	16	SHEET	N	2	0	Sheet number used for form control
VCENSUSG	17	ENT_DATE	D	8	0	Date of data entry
VCENSUSG	18	BATCH	C	6	0	Batch number used for batch control
VCENSUSG	19	CEFNO	N	1	0	Processed field
VCENSUSG	20	PG_NO	C	3	0	Processed field

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
VCENSUSG	21	F_CATEG	N	1	0	Processed field
VCENSUSG	22	L_CATEG	N	1	0	Processed field
VCENSUSG	23	SPECTRUM	N	1	0	Processed field
VCENSUSG	24	SP_ORDER	N	1	0	Processed field
VCENSUSG	25	GEARDUM	N	3	0	Processed field
VCENSUSG	26	GRTYPE	C	5	0	Processed field
VCENSUSG	27	REVGEAR	N	3	0	Processed field
VCENSUSG	28	INOUT	N	1	0	Code for inside or outside
VCENSUSP	1	IDCODE	C	5	0	Village Code as NC1-1,NW2-3,,...
VCENSUSP	2	HH_SL	C	4	0	Household code
VCENSUSP	3	PND_DTCH	C	1	0	Pond or Ditch <P/D>
VCENSUSP	4	PD_SL	N	1	0	Serial number to control record
VCENSUSP	5	AREA	N	7	1	Area of pond or ditch
VCENSUSP	6	DISTANCE	N	4	0	Distance from house
VCENSUSP	7	OWNSHP	N	5	1	Ownership codes
VCENSUSP	8	SZL_PNL	N	1	0	Seasonal or Perennial code
VCENSUSP	9	FL_HIGH	N	1	0	Flooded during high flood
VCENSUSP	10	FL_NORM	N	1	0	Flooded during normal flood
VCENSUSP	11	FL_LOW	N	1	0	Flooded during low flood
VCENSUSP	12	CULTRD	N	1	0	Cultured or not
VCENSUSP	13	FORMNO	N	1	0	Form number
VCENSUSP	14	SHEET	C	5	0	Sheet number for form control
VCENSUSP	15	ENT_DATE	D	8	0	Date of data entry
VCENSUSP	16	BATCH	C	6	0	Batch number used for batch control
VCENSUSP	17	PAGENO	C	3	0	Page no for form control
VCENSUSP	18	L_CATEG	N	1	0	Processed field



<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
VCENSUSP	19	F_CATEG	N	1	0	Processed field
VCENSUSP	20	SPECTRUM	N	1	0	Processed field
VCENSUSB	1	IDCODE	C	5	0	V i l l a g e C o d e a s NC1-1,NW2-3,,...
VCENSUSB	2	HH_SL	C	4	0	Household serial
VCENSUSB	3	BOATCODE	N	3	0	Boat code
VCENSUSB	4	NAME_LOC	C	20	0	Local name
VCENSUSB	5	NAME_ENG	C	20	0	English name
VCENSUSB	6	OWNSHP	N	5	1	Ownership code
VCENSUSB	7	PUR_MKE	N	1	0	Purchased or made
VCENSUSB	8	BT_AGE	N	3	0	Age of the boat
VCENSUSB	9	MKT_PRC	N	6	0	Price of the boat
VCENSUSB	10	CSH_CRDT	N	1	0	Cash or credit
VCENSUSB	11	EX_FISH	N	1	0	Exclusively for fishing or not
VCENSUSB	12	FORMNO	N	1	0	Form no used for form control
VCENSUSB	13	SHEET	C	5	0	Sheet number for form control
VCENSUSB	14	ENT_DATE	D	8	0	Date of data entry
VCENSUSB	15	BATCH	C	6	0	Batch number used for batch control
VCENSUSB	16	PAGENO	C	3	0	Page no used for form control
VCENSUSB	17	L_CATEG	N	1	0	Processed field
VCENSUSB	18	F_CATEG	N	1	0	Processed field
VCENSUSB	19	SPECTRUM	N	1	0	Processed field

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## 2.4 Description of Codes

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ফ্যাপ-১৭ সেনসাস ফরম পূরনের জন্য প্রয়োজনীয় নির্দেশাবলী

1. Subs. code : যে সব ক্ষেত্রে জমির মালিকানা একজনের নামে কিন্তু একাধিক খানা ঐ জমি ব্যবহার করে, অর্থাৎ ছেলেরা পিতার জমির স্বত্বাধিকার না পেয়ে ভোগ করছে, সে সব ক্ষেত্রে জমি এবং অন্যান্য সম্পদ খানা প্রধান অর্থাৎ পিতার নামে উল্লেখ করতে হবে, এবং অন্যান্য খানাদের সাবসিডিয়ারী কোড তথা (1,2,3 ইত্যাদি) দিতে হবে।  
(Where land ownership is in the name of one person and several H/H use that land i.e. sons using the land of their father, put land & other assets under the principle H/H and give other H/H a subsidiary code (1,2,3, etc.)
2. Sex code : পুরুষ = 1; মহিলা = 2  
(1 = male, 2 = female)
3. Religion : মুসলমান = 1; হিন্দু = 2;  
খ্রীষ্টান = 3; অন্যান্য = 4;  
(Muslim = 1; Hindu = 2;  
Christian = 3; Others = 4)
4. No. H/H members : সব ধরনের চুক্তিবদ্ধ শ্রমিকদের গণনার বাইরে রাখতে হবে।  
(Exclude all contract labourers)
5. H/H head occupation : কৃষিকাজ = 1; মাছধরা = 2; শ্রমিক = 3;  
ব্যবসা = 4; অন্য কোন পেশা = 5; বেকার = 6  
(1 = farming, 2 = fishing, 3 = labouring,  
4 = trade, 5 = other employ, 6 = not employed)
6. Occupations : খানার সম্পূর্ণ আয়ের তুলনামূলক গুরুত্বের আলোকে খানার সদস্যদের বিভিন্ন পেশা ক্রমানুসারে উল্লেখ করতে হবে।  
(Rank different occupations carried out by all H/H members according to relative importance for overall household income)
7. Months fishing : মাছ ধরা থেকে খানার সদস্যরা বৎসরে কতমাস আয় করে সংখ্যায় উল্লেখ করতে হবে।  
(Months fishing = months in which any H/H member earns any income from fishing activities)

- ৮৭
8. Non-cultivable land : যে সমস্ত জমি কখনই চাষ করা হয় না অথবা অনুৎপাদনশীল যথা চাষের অযোগ্য; স্থায়ীভাবে জলাবদ্ধ; নদীর ভাঙ্গনে বিলুপ্ত ইত্যাদি।  
("Non-cultivable" land includes all land which is permanently uncultivated or unproductive i.e. waste land, permanently water logged land, land eroded by rivers, etc.)
9. Fishing gear owned : হ্যাঁ = 1; না = 2  
(1 = Yes, 2 = No)
10. Amount of gear owned : ছোট জালের জন্য সংখ্যায় মালিকানা উল্লেখ করতে হবে বড় জালের জন্য পরিমাপের একক এবং সংখ্যা উল্লেখ করতে হবে।  
(For smaller gears which are generally counted, give nos. owned. For larger gears which are measured, give the unit of measurement and nos.)
11. Total replacement price : পুনঃস্থাপনকৃত অংশের মূল্য অথবা জালের সংখ্যা (টাকায়) উল্লেখ করতে হবে।  
(Total Replacement Price (for that amount or number of gears(Tk.))
12. Total replacement cost : বর্তমান বাজারের নতুন মূল্য = তৈরী নৌকা ক্রয় করার ক্ষেত্রে মূল্য।  
(Current new market price = price required to purchase craft readymade on open market)
13. Distance from house : বাড়ীর প্রধান ফটক থেকে দূরত্ব।  
(Distance from house)
14. Flooded during : হ্যাঁ = 1; না = 2  
(1 = Yes, 2 = No)
15. Cultured:  
Artificially stocked : যে সমস্ত পুকুরে মাছের পোনা ছাড়া হয়।  
(Cultured = Artificially stocked)

VILLAGES	INSIDE / OUTSIDE	REGION	VILLAGE CODE	NEAREST FISHERIES ASSESSMENT SITES
NORTH - CENTRAL				SITE CODE SITE NAME
JKHUTIA	O	NC	1 - 1	NC 29 Ichamati River
KUTIRHAT	O	NC	1 - 2	
UJANPARA	O	NC	1 - 3	
ASAPUR	O	NC	2 - 1	NC 25
ZABRA	O	NC	2 - 2	NC 28
JAGANNATHPUR	O	NC	3 - 1	NC 22
BHATARA	O	NC	3 - 2	NC 23
DIMUKA	O	NC	3 - 3	NC 24
DURGAPUR	O	NC	4 - 1	NC 29 Ichamati River
DIABARI	O	NC	4 - 2	
GOPALPUR	O	NC	4 - 3	
NORTH - WEST				NC 31 Gala / Alandi Floodplain and Beel
BOALIA	I	NW	1 - 1	NW 04
AHAMMEDPUR	I	NW	1 - 2	NW 05
PECHUAN	I	NW	2 - 1	NW 08
SONATALA	I	NW	2 - 2	
TALOT	I	NW	2 - 3	
DURGAPUR	I	NW	3 - 1	NW 27
JAGENDRANAGAR	I	NW	3 - 2	NW 28
KRISHNANAGAR	O	NW	4 - 1	NW 27
BIL DAHAR	O	NW	4 - 2	NW 30
NORTH - EAST				
MIRPUR	I	NE	1 - 1	NE 01
KADIPUR	I	NE	1 - 2	
GOYGOR	I	NE	1 - 3	
NISHCHINTAPUR	O	NE	2 - 1	NE 02
SHAHPUR	O	NE	2 - 2	NE 10
SHADIPUR	O	NE	2 - 3	
AKHTERPARA	I	NE	3 - 1	
HORINAGAR	I	NE	3 - 2	NE 13
DORADHAR	I	NE	3 - 3	
MAHMUDPUR	O	NE	4 - 1	
CHANDPUR	O	NE	4 - 2	NE 19
ENAETNAGAR	O	NE	4 - 3	NE 20
SOUTH - WEST				
GOPALSEN	I	SW	1 - 1	SW 17
POYSA	I	SW	1 - 2	SW 20
CHAND TRISIRA	I	SW	1 - 3	SW 21
GACHAPARA	O	SW	2 - 1	SW 18
UTTARPARA (GACHAPARA)	O	SW	2 - 2	
BAGAN UTTARPARA	O	SW	2 - 3	
KAURIA	O	SW	2 - 4	SW 19
KAFURPUR	I	SW	3 - 1	SW 05
SHORAIBARI	I	SW	3 - 2	SW 06
PATHANKHANDI	O	SW	4 - 1	SW 09
KUTIBARI	O	SW	4 - 2	SW 10



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LIST OF CODED FISHING GEARS

Gear Type	Name	Code	Description
Gill Net	Current jal (Stationary)	88	Monofilament fixed gill net, usually small mesh
	Current jal (Drifting)	282	Monofilament drifting gill net, usually top set, any mesh size
	Koi jal	123	Multifilament fixed gill net, usually small mesh
	Chandi jal	65	Multifilament drifting gill net, usually top set, any mesh size
	Par jal	315	Multifilament drifting gill net, usually bottom set, large mesh
	Kajuli jal	316	Multifilament drifting gill net, usually bottom set, small mesh
	Awo jal	324	Multifilament fixed gill net set in zig-zag pattern to catch large fish
	Foot jal	327	Very small gill set horizontally at surface in shallow water
	Gai Dasem	132	Drifting net used in rivers, has pockets at base
Seine Net	Ber jal	45	Seine net: small, medium or large size
	Baoli jal	306	Medium sized seine net pulled by 2 ropes
	Moi jal	202	Small drag net with pockets at base
	Dora jal	325	Similar to moi jal but pulled by 2 long ropes
	Konaber jal	268	Seine net with pocket at one end
	Dhor jal	89	Small seine usually pulled by 2 men by sticks on each end of net
	Horhori	297	Seine net with a series of large pockets along net
	Kathi jal	175	Seine net with a series of vertical sticks along net
	Chabi jal	293	Seine/gill net pulled to shore, often used with polo traps
	Hat panch	276	Medium size seine pulled at each end by one man while man in boat beats water to drive fish into net
	Satiber jal	304	Seine net with a series of pockets at base
Bag Net	Kachitana	277	Type of lift net hung from boat on floodplain or beel. Net used with drag rope to drive fish into net.
	Ferra jal	126	Drag rope used to drive fish into gill net/seine
	Thaga	285	Barrier across river with bag nets set perpendicular to it
	Suti jal	271	Single bag net staked to river bed
	Ghori jal	320	Barricade/fence with nets set in gaps to trap fish
Lift Net	Bhuti jal	328	Clap net on bamboo frame hung from boat anchored in a gap of barrier fence
	Veshal	266	Triangular lift net on large bamboo frame
	Dharma jal	105	Square or round lift nets on bamboo pole
	Jhali jal	160	Small veshal used on main rivers at night for prawns
	Jhap jal	319	Boat lift net: lifted at 4 corners by men in boats
	Chota jal	323	Gill net fixed horizontally on bottom to catch fish by spines
Scoop Net	Dara jal	329	Lift net and barrier used in canals or small rivers
	Hat Tana	287	Oval or triangular scoop nets used with pole and rope or by hand
	Ucha	263	Basket scoop on pole used by hand
	Tukri	296	Small basket scoop used by hand
	Afa/Hat bauli	321	Large thella jal, large mesh, used on boat
Clap Net	Uttar jal	68	Like a cast net but hung from a boat drifting along river and lifted to catch fish
	Shangla jal	234	Multifilament drifting bag net on bamboo frame boat used for hilsa fishing
FAD	Katha	270	Submerged brush shelter used to attract fish
	Boat Katha	314	Submerged boat filled with branches used to attract fish
	Horgra	149	Submerged basket filled with branches used to attract fish
	Kua	302	Fish pit on floodplain, invariably contains brush shelter



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[illegible]

## 2.5 Copies of Survey Forms







FISHING GEAR OWNED

(10)

BOATS OWNED	
1967	1
1968	1
1969	1
1970	1
1971	1
1972	1
1973	1
1974	1
1975	1
1976	1
1977	1
1978	1
1979	1
1980	1
1981	1
1982	1
1983	1
1984	1
1985	1
1986	1
1987	1
1988	1
1989	1
1990	1
1991	1
1992	1
1993	1
1994	1
1995	1
1996	1
1997	1
1998	1
1999	1
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2131	1
2132	1
2133	1
2134	1
2135	1

(11)

INSIDE / OUTSIDE	REGION	VILLAGE CODE	RA CODE	CENSUS FORM NO.	PAGE NO.
1	NW	5-2	MA	02	4

## POND/DITCH OWNERSHIP \* (One line for each pond)

[illegible]

### 3 HOUSEHOLD BASELINE AND MONITORING SURVEY

#### 3.1 List of Database Files

1. Form-BL01 : Information on Household members and their migration  
BL1HI.DBF  
BL1HM.DBF
2. Form-BL02 : Information on Land and Waterbody ownership  
and operation  
BL2LW.DBF
3. Form-BL03 : Information Agricultural and Household assets,  
Livestock Poverty indicators and deficit period  
BL3ASET.DBF  
BL3LIV.DBF  
BL3PIC.DBF  
BL3HDP.DBF
4. Form-BL04 : Information on Household Enterprises  
BL4HE.DBF
5. Form-NF01 : Information on Non-fisheries Expenditure-saving  
activities monitoring  
NF1ES.DBF
6. Form-FC01 : Information on Fish Culture Enterprises  
FC1FC.DBF
7. Form-FE01 : Information on Fishing Enterprises  
FE1FE.DBF
8. Form-FT01 : Information on Fish Trading Enterprises  
FT1FT.DBF
9. Form-UD01 : Information on Household members and their Migration  
BL1HIU.DBF
10. Form-UD01 : Information on Land and Waterbody ownership & operation  
BL2LWU.DBF
11. Form-UD02 : Information on Agricultural & household  
assets, Livestock  
BL3ASETU.DBF  
BL3LIVU.DBF
12. Form-UD02 : Information on Household Enterprises  
BL4HEU.DBF



13. Information on Subsistence Fishing Monitoring  
SUB\_FISH.DBF

14. Information on Katha and Kua Fishing Monitoring  
KA\_KU.DBF

### 3.2 Structure of Databases

#### 3.2.1 Structure for database: BL1HI.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	HI_ID	Numeric	2		N
6	HH_REL	Numeric	2		N
7	AGE	Numeric	3		N
8	SEX	Numeric	1		N
9	EDUCYR	Numeric	2		N
10	DEPEND	Numeric	1		N
11	FORM	Character	4		N
12	PAGE	Numeric	1		N
13	BATCH	Character	6		N
<b>** Total **</b>			<b>41</b>		

#### 3.2.2 Structure for database: BL1HM.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	HM_ID	Numeric	2		N
6	LIVHERE	Numeric	1		N
7	WHEN	Numeric	2		N
8	WH_FROM	Character	30		N
9	RIV_ERO	Numeric	1		N
10	FLOOD	Numeric	1		N
11	NAT_CALA	Numeric	1		N
12	LANDLOSS	Numeric	1		N
13	JOBLOSS	Numeric	1		N
14	LACK_HS	Numeric	1		N
15	OTHERS	Numeric	1		N

Field	Field Name	Type	Width	Dec	Index
16	SEEKLN	Numeric	1		N
17	SEEKEMP	Numeric	1		N
18	JOINREL	Numeric	1		N
19	SHELFL	Numeric	1		N
20	OTHERCOM	Numeric	1		N
21	FORM	Character	4		N
22	PAGE	Numeric	1		N
23	BATCH	Character	6		N
<b>** Total **</b>			<b>77</b>		




### 3.2.3 Structure for database: BL2LW.DBF

Field	Field Name	Type	Width	Dec	Idx
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	LW_ID	Numeric	2		N
6	PLOT	Numeric	2		N
7	AREA	Numeric	5	1	N
8	TEN_STAT	Numeric	1		N
9	DISTANCE	Numeric	3		N
10	FL_DEPTH	Numeric	4	1	N
11	LANDTYPE	Numeric	1		N
12	IRRIGN	Numeric	1		N
13	FORM	Character	4		N
14	PAGE	Numeric	1		N
15	BATCH	Character	6		N
<b>** Total **</b>			<b>49</b>		

### 3.2.4 Structure for database: BL3ASET.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	AS_ID	Numeric	2		N
6	AS_TYPE	Character	2		N
7	AS_NAME	Character	15		N
8	AS_NO	Numeric	2		N
9	AS_OWN	Numeric	1		N
10	FORM	Character	4		N
11	PAGE	Numeric	1		N



Field	Field Name	Type	Width	Dec	Index
12	BATCH	Character	6		N
<b>** Total **</b>			<b>52</b>		

### 3.2.5 Structure for database: BL3LIV.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	LIV_ID	Numeric	2		N
6	LIV_TYP	Character	15		N
7	LIV_NO	Numeric	2		N
8	LIV_PRC	Numeric	8	2	N
9	LIV_OWN	Numeric	1		N
10	LIV_SHR	Numeric	1		N
11	FORM	Character	4		N
12	PAGE	Numeric	1		N
13	BATCH	Character	6		N
<b>** Total **</b>			<b>59</b>		

### 3.2.6 Structure for database: BL3PIC.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	PIC_ID	Numeric	2		N
6	ADLT_HH	Numeric	2		N
7	LUNGHIS	Numeric	2		N
8	SARIS	Numeric	2		N
9	WSHAWLS	Numeric	2		N
10	FORM	Character	4		N
11	PAGE	Numeric	1		N
12	BATCH	Character	6		N
<b>** Total **</b>			<b>40</b>		

### 3.2.7 Structure for database: BL3HDP.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N

Field	Field Name	Type	Width	Dec	Index
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	HDP_ID	Numeric	2		N
6	ROOMS	Numeric	2		N
7	OWNSHP	Numeric	1		N
8	CONSTYPE	Numeric	2		N
9	DP_FROM1	Numeric	2		N
10	DP_TO1	Numeric	2		N
11	DP_FROM2	Numeric	2		N
12	DP_TO2	Numeric	2		N
13	DP_FROM3	Numeric	2		N
14	DP_TO3	Numeric	2		N
15	TOTALS	Numeric	2		N
16	FORM	Character	4		N
17	PAGE	Numeric	1		N
18	BATCH	Character	6		N
<b>** Total **</b>			<b>51</b>		

### 3.2.8 Structure for database: BL4HE.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	HHE_ID	Numeric	2		N
6	ENTPCODE	Character	5		N
7	S_INOUT	Character	2		N
8	ENTP_DES	Character	20		N
9	MA_FROM1	Numeric	2		N
10	MA_TO1	Numeric	2		N
11	MA_FROM2	Numeric	2		N
12	MA_TO2	Numeric	2		N
13	MA_FROM3	Numeric	2		N
14	MA_TO3	Numeric	2		N
15	HM_INVOL	Character	12		N
16	FORM	Character	4		N
17	PAGE	Numeric	1		N
18	BATCH	Character	6		N
19	AM	Numeric	1		N
20	AF	Numeric	1		N
21	CM	Numeric	1		N
22	CF	Numeric	1		N
23	HH	Logical	1		N
<b>** Total **</b>			<b>88</b>		



### 3.2.9 Structure for database: NF1ES.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	ES_ID	Numeric	3		N
6	HHE_ID	Numeric	2		N
7	ENTPCODE	Character	5		N
8	S_INOUT	Character	2		N
9	HH_INVOL	Character	12		N
10	LOCN	Numeric	1		N
11	MONTH	Numeric	2		N
12	FORTNHT1	Numeric	1		N
13	FORTNHT2	Numeric	1		N
14	NI_CASH	Numeric	8	2	N
15	NOCASH1	Character	1		N
16	NOCASH2	Numeric	8	2	N
17	STOCKS	Numeric	8	2	N
18	UNITS	Character	4		N
19	LAB_M	Numeric	5	1	N
20	LAB_F	Numeric	5	1	N
21	LAB_C	Numeric	5	1	N
22	LAB_H	Numeric	5	1	N
23	FORM	Character	4		N
24	PAGE	Numeric	1		N
25	BATCH	Character	6		N
** Total **			108		

### 3.2.10 Structure for database: FC1FC.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	FC_ID	Numeric	2		N
6	HHE_ID	Numeric	2		N
7	ENTPCODE	Character	5		N
8	ENT_X	Character	1		N
9	HH_INVOL	Character	12		N
10	MONTH	Numeric	2		N
11	FORTNHT1	Numeric	1		N
12	FORTNHT2	Numeric	1		N
13	SPCODE	Numeric	1		N

Field	Field Name	Type	Width	Dec	Index
14	SPCODE1	Numeric	1		N
15	SPCODE2	Numeric	1		N
16	SPCODE3	Numeric	1		N
17	SPCODE4	Numeric	1		N
18	SOURCE	Character	3		N
19	INPTYP	Character	5		N
20	INPCOST	Numeric	8	2	N
21	INPCR	Numeric	8	2	N
22	INPCRTYP	Character	1		N
23	INPSORC	Numeric	1		N
24	HRVBY	Character	5		N
25	BUYCODE	Character	3		N
26	FO_AMT	Numeric	6	2	N
27	FO_CASH	Numeric	8	2	N
28	CATYPE	Character	1		N
29	NCATYPE	Character	1		N
30	NCASH	Numeric	8	2	N
31	CR_REPAY	Numeric	8	2	N
32	CRCODE	Character	1		N
33	LAB_M	Numeric	5	1	N
34	LAB_F	Numeric	5	1	N
35	LAB_C	Numeric	5	1	N
36	LAB_H	Numeric	5	1	N
37	FORM	Character	4		N
38	PAGE	Numeric	1		N
39	BATCH	Character	6		N
<b>** Total **</b>			<b>148</b>		

### 3.2.11 Structure for database: FE1FE.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	FE_ID	Numeric	2		N
6	HHE_ID	Numeric	2		N
7	ENTPCODE	Character	5		N
8	HH_INVOL	Character	12		N
9	MONTH	Numeric	2		N
10	FORTNHT1	Numeric	1		N
11	FORTNHT2	Numeric	1		N
12	WBODY	Character	3		N
13	DISTANCE	Numeric	1		N
14	DISTANCE1	Numeric	1		N

2

Field	Field Name	Type	Width	Dec	Index
15	DISTANCE2	Numeric	1		N
16	DISTANCE3	Numeric	1		N
17	ACCESS	Numeric	1		N
18	ACCESS1	Numeric	1		N
19	ACCESS2	Numeric	1		N
20	ACCESS3	Numeric	1		N
21	WSTATUS	Character	3		N
22	MI_CASH	Numeric	8	2	N
23	MICA_TYP	Character	1		N
24	MI_CR	Numeric	8	2	N
25	MICR_TYP	Character	1		N
26	MI_SORCE	Numeric	1		N
27	MINCCODE	Character	1		N
28	MINOCASH	Numeric	8	2	N
29	MO_CASH	Numeric	9	2	N
30	MO_APMNT	Numeric	9	2	N
31	MO_CRPAY	Numeric	8	2	N
32	MOCRCODE	Character	1		N
33	LAB_M	Numeric	5	1	N
34	LAB_F	Numeric	5	1	N
35	LAB_C	Numeric	5	1	N
36	LAB_H	Numeric	5	1	N
37	FORM	Character	4		N
38	PAGE	Numeric	1		N
39	BATCH	Character	6		N
** Total **			144		

### 3.2.12 Structure for database: FT1FT.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	FT_ID	Numeric	2		N
6	HHE_ID	Numeric	2		N
7	ENTPCODE	Character	5		N
8	HH_INVOL	Character	12		N
9	MONTH	Numeric	2		N
10	FORTNHT1	Numeric	1		N
11	FORTNHT2	Numeric	1		N
12	SOURCE1	Numeric	1		N
13	SOURCE2	Numeric	1		N
14	SOURCE3	Numeric	1		N
15	DIST1	Numeric	1		N

16

Field	Field Name	Type	Width	Dec	Index
16	DIST2	Numeric	1		N
17	DIST3	Numeric	1		N
18	DAYS_BO	Numeric	3		N
19	FISH_BO	Numeric	8	2	N
20	CR_IN	Numeric	8	2	N
21	CRTYPE	Numeric	1		N
22	CRSOURCE	Numeric	1		N
23	SALEPT1	Numeric	1		N
24	SALEPT2	Numeric	1		N
25	SALEPT3	Numeric	1		N
26	SALEDIS1	Numeric	1		N
27	SALEDIS2	Numeric	1		N
28	SALEDIS3	Numeric	1		N
29	BYRCODE	Character	3		N
30	CA_EXP	Numeric	8	2	N
31	CASHIN	Numeric	8	2	N
32	CAINTYPE	Character	1		N
33	NCATYPE	Character	1		N
34	NCASH	Numeric	8	2	N
35	CR_REPAY	Numeric	8	2	N
36	CRCODE	Character	1		N
37	FORM	Character	4		N
38	PAGE	Numeric	1		N
39	BATCH	Character	6		N
** Total **			126		

### 3.2.13 Structure for database: BL1HIU.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	A_S	Character	1		N
6	HI_ID	Numeric	2		N
7	HH_REL	Numeric	2		N
8	AGE	Numeric	3		N
9	SEX	Numeric	1		N
10	EDUCYR	Numeric	2		N
11	DEPEND	Numeric	1		N
12	FORM	Character	4		N
13	PAGE	Numeric	1		N
14	BATCH	Character	6		N
** Total **			42		



### 3.2.14 Structure for database: BL2LWU.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	LW_ID	Numeric	2		N
6	A_S	Character	1		N
7	PLOT	Numeric	2		N
8	AREA	Numeric	5	1	N
9	TEN_STAT	Numeric	1		N
10	DISTANCE	Numeric	3		N
11	FL_DEPTH	Numeric	4	1	N
12	LANDTYPE	Numeric	1		N
13	IRRIGN	Numeric	1		N
14	FORM	Character	4		N
15	PAGE	Numeric	1		N
16	BATCH	Character	6		N
<b>** Total **</b>			<b>50</b>		

### 3.2.15 Structure for database: BL3ASETU.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	A_S	Character	1		N
6	AS_ID	Numeric	2		N
7	AS_TYPE	Character	2		N
8	AS_NAME	Character	15		N
9	AS_NO	Numeric	2		N
10	AS_OWN	Numeric	1		N
11	FORM	Character	4		N
12	PAGE	Numeric	1		N
13	BATCH	Character	6		N
<b>** Total **</b>			<b>53</b>		

### 3.2.16 Structure for database: BL3LIVU.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N

Field	Field Name	Type	Width	Dec	Index
4	PHASE	Numeric	1		N
5	A_S	Character	1		N
6	LIV_ID	Numeric	2		N
7	LIV_TYP	Character	15		N
8	LIV_NO	Numeric	2		N
9	LIV_PRC	Numeric	8	2	N
10	LIV_OWEN	Numeric	1		N
11	LIV_SHR	Numeric	1		N
12	FORM	Character	4		N
13	PAGE	Numeric	1		N
14	BATCH	Character	6		N
<b>** Total **</b>			<b>60</b>		

### 3.2.17 Structure for database: BL4HEU.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	SDATE	Date	8		N
4	PHASE	Numeric	1		N
5	A_S	Character	1		N
6	HHE_ID	Numeric	2		N
7	ENTPCODE	Character	5		N
8	S_INOUT	Character	2		N
9	ENTP_DES	Character	20		N
10	MA_FROM1	Numeric	2		N
11	MA_TO1	Numeric	2		N
12	MA_FROM2	Numeric	2		N
13	MA_TO2	Numeric	2		N
14	MA_FROM3	Numeric	2		N
15	MA_TO3	Numeric	2		N
16	HM_INVOL	Character	12		N
17	FORM	Character	4		N
18	PAGE	Numeric	1		N
19	BATCH	Character	6		N
<b>** Total **</b>			<b>84</b>		

### 3.2.18 Structure for database: SUB\_FISH.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	REGION	Numeric	1		N
3	VILL_NO	Numeric	1		N
4	SUB_VILL	Numeric	1		N

57

Field	Field Name	Type	Width	Dec	Index
5	INOUT	Character	1		N
6	SDATE	Date	8		N
7	HH_SL	Character	5		N
8	RANK_FRM	Numeric	1		N
9	RANK_FSH	Numeric	1		N
10	RANK_LAB	Numeric	1		N
11	RANK_TRD	Numeric	1		N
12	RANK_OTH	Numeric	1		N
13	MONTH_FD	Numeric	2		N
14	TOT_DEC	Numeric	6		N
15	FG_OWNED	Character	1		N
16	CATCH_HH	Character	1		N
17	PAGENÖ	Numeric	2		N
18	RA_INSL	Character	2		N
19	BATCH	Character	6		N
20	L_CATEG	Numeric	1		N
21	F_CATEG	Numeric	1		N
22	SPECTRUM	Numeric	1		N
23	GEAR_INV	Numeric	6		N
24	BOAT_INV	Numeric	6		N
25	PROCESSED	Logical	1		N
26	DATAPROB	Logical	1		N
** Total **			65		

### 3.2.19 Structure for database: KA\_KU.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	SDATE	Date	8		N
3	RACODE	Character	2		N
4	SLNO	Numeric	2		N
5	AREA	Numeric	6		N
6	KA_NOS	Numeric	4		N
7	NO_MOND	Character	1		N
8	KA_COST	Numeric	6		N
9	TOT_UNTK	Character	1		N
10	SIZE	Numeric	3		N
11	BMB_NOS	Numeric	4		N
12	NO_MONDB	Character	1		N
13	BMB_COST	Numeric	6		N
14	TOT_UNTB	Character	1		N
15	LAB_COST	Numeric	5		N
16	CODE	Numeric	2		N
17	DTL_DES	Character	25		N
18	PCNT_DS	Numeric	3		N

Field	Field Name	Type	Width	Dec	Index
19	SLV_VAL	Numeric	3		N
20	KU_DEPTH	Numeric	5	1	N
21	KU_INI	Numeric	6		N
22	KU_ANL	Numeric	6		N
23	KU_MD_I	Numeric	6		N
24	KU_MD_A	Numeric	6		N
25	PAGE	Numeric	2		N
26	BATCH	Character	6		N
<b>** Total **</b>			<b>126</b>		

### 3.3 Description of Database Fields

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
BL1HI	1	IDCODE	C	5	0	Region & Village code e.g.(NE4-3)
BL1HI	2	HH_SL	C	4	0	Household sl. code (MS18)
BL1HI	3	SDATE	D	8	0	Date of completion
BL1HI	4	PHASE	N	1	0	Phase no. e.g.1,2,3.
BL1HI	5	HI_ID	N	2	0	Household members sl.no.
BL1HI	6	HH_REL	N	2	0	Relation codes member to H/H head(code)
BL1HI	7	AGE	N	3	0	Age (years)
BL1HI	8	SEX	N	1	0	Sex (code 1 for male & 2 for female)
BL1HI	9	EDUCYR	N	2	0	Years of completion of education
BL1HI	10	DEPEND	N	1	0	Dependent codes 1 or 2
BL1HI	11	FORM	C	4	0	Name of the form
BL1HI	12	PAGE	N	1	0	Page no. of the form
BL1HI	13	BATCH	C	6	0	Batch number used for batch control e.g. DBL001
BL1HM	1	IDCODE	C	5	0	Region & Village Code e.g. SW1-3, NE2-4
BL1HM	2	HH_SL	C	4	0	Household sl. code (MS18)
BL1HM	3	SDATE	D	8	0	Date of completion
BL1HM	4	PHASE	N	1	0	Phase no. e.g.1,2,3.



OK

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
BL1HM	5	HM_ID	N	2	0	Household migration sl.
BL1HM	6	LIVHERE	N	1	0	Always lived here (1 for yes, 2 for no)
BL1HM	7	WHEN	N	2	0	Date of arrive. (year)
BL1HM	8	WH_FROM	C	30	0	Arrive from (Thana)
BL1HM	9	RIV_ERO	N	1	0	Reason for moving (river erosion)
BL1HM	10	FLOOD	N	1	0	(Flooding)
BL1HM	11	NAT_CALA	N	1	0	(Other natural calamity)
BL1HM	12	LANDLOSS	N	1	0	(Loss of land)
BL1HM	13	JOBLOSS	N	1	0	(Loss of job)
BL1HM	14	LACK_HS	N	1	0	(Lack of space on H/S)
BL1HM	15	OTHERS	N	1	0	(Other)
BL1HM	16	SEEKLAND	N	1	0	(Seeking land)
BL1HM	17	SEEKEMP	N	1	0	(Seeking employment)
BL1HM	18	JOINREL	N	1	0	(Joining relatives)
BL1HM	19	SHELFL	N	1	0	(Shelter from flooding)
BL1HM	20	OTHERCOM	N	1	0	(Other)
BL1HM	21	FORM	C	4	0	Name of the form
BL1HM	22	PAGE	N	1	0	Page no. of the form
BL1HM	23	BATCH	C	6	0	Batch no. of the form
BL2LW	1	IDCODE	C	5	0	Region & Village code
BL2LW	2	HH_SL	C	4	0	Household sl. code (MS18)
BL2LW	3	SDATE	D	8	0	Date of completion
BL2LW	4	PHASE	N	1	0	Phase no. e.g, 1,2,3.
BL2LW	5	LW_ID	N	2	0	Not used as designed for
BL2LW	6	PLOT	N	2	0	Plot (no)
BL2LW	7	AREA	N	5	1	Area (dec)

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
BL2LW	8	TEN_STAT	N	1	0	Tenure status (code)
BL2LW	9	DISTANCE	N	3	0	Dist. from H/H (minutes)
BL2LW	10	FL_DEPTH	N	4	1	Flood depth now (feet)
BL2LW	11	LANDTYPE	N	1	0	Land type now (code)
BL2LW	12	IRRIGN	N	1	0	Irrig. (code)
BL2LW	13	FORM	C	4	0	Name of the form
BL2LW	14	PAGE	N	1	0	Page no. of the form
BL2LW	15	BATCH	C	6	0	Batch no. of the form
BL3ASET	1	IDCODE	C	5	0	Region & Village code
BL3ASET	2	HH_SL	C	4	0	Household sl. code (MS18)
BL3ASET	3	SDATE	D	8	0	Date of completion
BL3ASET	4	PHASE	N	1	0	Phase no. e.g.1,2,3.
BL3ASET	5	AS_ID	N	2	0	Sl.no. of assets
BL3ASET	6	AS_TYPE	C	2	0	Asset type (Ag,Ir,Sa,Tr,Hg)
BL3ASET	7	AS_NAME	C	15	0	Name of asset
BL3ASET	8	AS_NO	N	2	0	No. of asset
BL3ASET	9	AS_OWN	N	1	0	Asset ownership (code)
BL3ASE	10	FORM	C	4	0	Name of the form
BL3ASE	11	PAGE	N	1	0	Page no. of the form
BL3ASE	12	BATCH	C	6	0	Batch no. of the form
BL3LIV	1	IDCODE	C	5	0	Region & Village code
BL3LIV	2	HH_SL	C	4	0	Household sl. code (MS18)
BL3LIV	3	SDATE	D	8	0	Date of completion
BL3LIV	4	PHASE	N	1	0	Phase no. e.g.1,2,3.
BL3LIV	5	LIV_ID	N	2	0	Livestock sl.(1,2,3 etc.)

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
BL3LIV	6	LIV_TYP	C	15	0	Type of livestock (calf,cow etc.)
BL3LIV	7	LIV_NO	N	2	0	Livestock nos.
BL3LIV	8	LIV_PRC	N	8	2	Price of livestock (Tk.)
BL3LIV	9	LIV_OWN	N	1	0	Livestock ownership (code)
BL3LIV	10	LIV_SHR	N	1	0	Nos. shared in livestock
BL3LIV	11	FORM	C	4	0	Name of the form
BL3LIV	12	PAGE	N	1	0	Page no. of the form
BL3LIV	13	BATCH	C	6	0	Batch no. of the form
BL3PIC	1	IDCODE	C	5	0	Region & Village code
BL3PIC	2	HH_SL	C	4	0	Household sl. code (MS18)
BL3PIC	3	SDATE	D	8	0	Date of completion
BL3PIC	4	PHASE	N	1	0	Phase no. e.g.1,2,3.
BL3PIC	5	PIC_ID	N	2	0	Poverty indicators sl (no of clothes/H/H memb.)
BL3PIC	6	ADLT_HH	N	2	0	Adult H/H members sl.no.
BL3PIC	7	LUNGHIS	N	2	0	No of lungis
BL3PIC	8	SARIS	N	2	0	No of saries
BL3PIC	9	WSHAWLS	N	2	0	No of winter shawls
BL3PIC	10	FORM	C	4	0	Name of the form
BL3PIC	11	PAGE	N	1	0	Page No. of the form
BL3PIC	12	BATCH	C	6	0	Batch No. of the form
BL3HDP	1	IDCODE	C	5	0	Region & Village Code
BL3HDP	2	HH_SL	C	4	0	Household sl. code (MS18)
BL3HDP	3	SDATE	D	8	0	Date of completion
BL3HDP	4	PHASE	N	1	0	Phase no. e.g.1,2,3.
BL3HDP	5	HDP_ID	N	2	0	Sl.no of housing

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
BL3HDP	6	ROOMS	N	2	0	No.of rooms
BL3HDP	7	OWNSHP	N	1	0	Ownership
BL3HDP	8	CONSTYPE	N	2	0	Construction type
BL3HDP	9	DP_FROM1	N	2	0	Deficit periods from
BL3HDP	10	DP_TO1	N	2	0	Deficit periods to
BL3HDP	11	DP_FROM2	N	2	0	Deficit periods from
BL3HDP	12	DP_TO2	N	2	0	Deficit periods to
BL3HDP	13	DP_FROM3	N	2	0	Deficit periods from
BL3HDP	14	DP_TO3	N	2	0	Deficit periods to
BL3HDP	15	TOTALS	N	2	0	Total periods
BL3HDP	16	FORM	C	4	0	Name of the form
BL3HDP	17	PAGE	N	1	0	Page no. of the form
BL3HDP	18	BATCH	C	6	0	Batch no. of the form
BL4HE	1	IDCODE	C	5	0	Region & Village code
BL4HE	2	HH_SL	C	4	0	Household sl. code (MS18)
BL4HE	3	SDATE	D	8	0	Date of completion
BL4HE	4	PHASE	N	1	0	Phase no. e.g.1,2,3.
BL4HE	5	HHE_ID	N	2	0	H/H enterprise sl.no.
BL4HE	6	ENTPCODE	C	5	0	H/H enterprise code
BL4HE	7	S_INOUT	C	2	0	Share in/out
BL4HE	8	ENTP_DES	C	20	0	Enterprise description
BL4HE	9	MA_FROM1	N	2	0	Months active code from
BL4HE	10	MA_TO1	N	2	0	Months active code to
BL4HE	11	MA_FROM2	N	2	0	Months active code from
BL4HE	12	MA_TO2	N	2	0	Months active code to
BL4HE	13	MA_FROM3	N	2	0	Months active code from



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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
BL4HE	14	MA_TO3	N	2	0	Months active code to
BL4HE	15	HM_INVOL	C	12	0	H/H memb. involved
BL4HE	16	FORM	C	4	0	Name of the form
BL4HE	17	PAGE	N	1	0	Page no. of the form
BL4HE	18	BATCH	C	6	0	Batch no. of the form
BL4HE	19	AM	N	1	0	Used for processing purpose
BL4HE	20	AF	N	1	0	Used for processing purpose
BL4HE	21	CM	N	1	0	Used for processing purpose
BL4HE	22	CF	N	1	0	Used for processing purpose
BL4HE	23	HH	L	1	0	Used for processing purpose
NF1ES	1	IDCODE	C	5	0	Region & Village code
NF1ES	2	HH_SL	C	4	0	Household sl. code (MS18)
NF1ES	3	SDATE	D	8	0	Date of completion
NF1ES	4	PHASE	N	1	0	Phase no. e.g.1,2,3
NF1ES	5	ES_ID	N	3	0	Rec. no.
NF1ES	6	HHE_ID	N	2	0	H/H Ent/Act sl.no.
NF1ES	7	ENTPCODE	C	5	0	Enterprise/Activity code
NF1ES	8	S_INOUT	C	2	0	Share in/out
NF1ES	9	HH_INVOL	C	12	0	H/H membs.involved sl nos.
NF1ES	10	LOCN	N	1	0	Location code
NF1ES	11	MONTH	N	2	0	Months active (code)
NF1ES	12	FORTNHT1	N	1	0	Fort night nos.1
NF1ES	13	FORTNHT2	N	1	0	Fort night nos.2
NF1ES	14	NI_CASH	N	8	2	Net cash income (Tk.)
NF1ES	15	NOCASH1	C	1	0	Net non-cash income (code)
NF1ES	16	NOCASH2	N	8	2	Net non-cash income (Tk.)

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
NF1ES	17	STOCKS	N	8	2	Net stocks (amount)
NF1ES	18	UNITS	C	4	0	Net stocks (units)
NF1ES	19	LAB_M	N	5	1	No.of days labour taken (family/hired) male
NF1ES	20	LAB_F	N	5	1	Female
NF1ES	21	LAB_C	N	5	1	Children
NF1ES	22	LAB_H	N	5	1	Hired
NF1ES	23	FORM	C	4	0	Name of the form
NF1ES	24	PAGE	N	1	0	Page no. of the form
NF1ES	25	BATCH	C	6	0	Batch no. of the form
FC1FC	1	IDCODE	C	5	0	Region & Village code
FC1FC	2	HH_SL	C	4	0	Household sl. code (MS18)
FC1FC	3	SDATE	D	8	0	Date of completion
FC1FC	4	PHASE	N	1	0	Phase no. e.g.1,2,3
FC1FC	5	FC_ID	N	2	0	Rec.nos.
FC1FC	6	HHE_ID	N	2	0	H/H Ent/Act sl.no.
FC1FC	7	ENTPCODE	C	5	0	Fish culture ent.(code FC02)
FC1FC	8	ENT_X	C	1	0	Fish culture share in/out
FC1FC	9	HH_INVOL	C	12	0	H/H memb.involved sl.nos.
FC1FC	10	MONTH	N	2	0	Months active (code)
FC1FC	11	FORTNHT1	N	1	0	Fort night 1 (code)
FC1FC	12	FORTNHT2	N	1	0	Fort night 2 (Code)
FC1FC	13	SPCODE	N	1	0	1st stocking species (code 1 to 5)
FC1FC	14	SPCODE1	N	1	0	2nd stocking species (code 1 to 5)
FC1FC	15	SPCODE2	N	1	0	3rd stocking species (code 1 to 5)
FC1FC	16	SPCODE3	N	1	0	4th stocking species (code 1 to 5)
FC1FC	17	SPCODE4	N	1	0	5th stocking species (code 1 to 5)

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
FC1FC	18	SOURCE	C	3	0	Stocking species source (code 1 to 7)
FC1FC	19	INPTYP	C	5	0	Type of inputs provided (code 1 to 6)
FC1FC	20	INPCOST	N	8	2	Cost of inputs (Tk.)
FC1FC	21	INPCR	N	8	2	Credit in (Tk.)
FC1FC	22	INPCRTYP	C	1	0	Type of credit (code)
FC1FC	23	INPSORC	N	1	0	Source of the credit (code)
FC1FC	24	HRVBY	C	5	0	Fish harvested by (code)
FC1FC	25	BUYCODE	C	3	0	Fish buyer (code)
FC1FC	26	FO_AMT	N	6	2	Quantity of fish (maunds)
FC1FC	27	FO_CASH	N	8	2	Cash income for fishing activity (Tk.)
FC1FC	28	CATYPE	C	1	0	Type of income (code)
FC1FC	29	NCATYPE	C	1	0	Type of non-cash income (code)
FC1FC	30	NCASH	N	8	2	Type of non-cash income (Tk.)
FC1FC	31	CR_REPAY	N	8	2	Repayment of credit (Tk.)
FC1FC	32	CRCODE	C	1	0	Repayment of credit (code)
FC1FC	33	LAB_M	N	5	1	No. of days labour taken (family/hired) male
FC1FC	34	LAB_F	N	5	1	Female
FC1FC	35	LAB_C	N	5	1	Children
FC1FC	36	LAB_H	N	5	1	Hired
FC1FC	37	FORM	C	4	0	Name of the form
FC1FC	38	PAGE	N	1	0	Page no. of the form
FC1FC	39	BATCH	C	6	0	Batch no. of the form
FE1FE	1	IDCODE	C	5	0	Region & Village code
FE1FE	2	HH_SL	C	4	0	Household sl. code (MS18)
FE1FE	3	SDATE	D	8	0	Date of completion
FE1FE	4	PHASE	N	1	0	Phase no. e.g.1,2,3

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
FE1FE	5	FE_ID	N	2	0	Rec.no.
FE1FE	6	HHE_ID	N	2	0	H/H ent/act sl.no.
FE1FE	7	ENTPCODE	C	5	0	Fishing ent/act code e.g FE01
FE1FE	8	HH_INVOL	C	12	0	H/H members involved (sl.nos.)
FE1FE	9	MONTH	N	2	0	Months active (code)
FE1FE	10	FORTNHT1	N	1	0	Fort night nos. 1
FE1FE	11	FORTNHT2	N	1	0	Fort night nos. 2
FE1FE	12	WBODY	C	3	0	Water body (code)
FE1FE	13	DISTANCE	N	1	0	1st distance (code)
FE1FE	14	DISTANCE1	N	1	0	2nd distance (code)
FE1FE	15	DISTANCE2	N	1	0	3rd distance (code)
FE1FE	16	DISTANCE3	N	1	0	4th distance (code)
FE1FE	17	ACCESS	N	1	0	1st access (code)
FE1FE	18	ACCESS1	N	1	0	2nd access (code)
FE1FE	19	ACCESS2	N	1	0	3rd access (code)
FE1FE	20	ACCESS3	N	1	0	4th access (code)
FE1FE	21	WSTATUS	C	3	0	Water status (code)
FE1FE	22	MI_CASH	N	8	2	Money in cash income(Tk.)
FE1FE	23	MICA_TYP	C	1	0	Money in cash type (code)
FE1FE	24	MI_CR	N	8	2	Money in credit in (Tk.)
FE1FE	25	MICR_TYP	C	1	0	Money in type (code)
FE1FE	26	MI_SORCE	N	1	0	Money in source (code)
FE1FE	27	MINCCODE	C	1	0	Money in non-cash income (code)
FE1FE	28	MINOCASH	N	8	2	Money in non-cash income (Tk.)
FE1FE	29	MO_CASH	N	9	2	Money out cash exp. (Tk.)
FE1FE	30	MO_APMNT	N	9	2	Money out access payment (Tk.)



<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
FE1FE	31	MO_CRPAY	N	8	2	Money out credit repay (Tk.)
FE1FE	32	MOCRCODE	C	1	0	Money out type (code)
FE1FE	33	LAB_M	N	5	1	No. of days taken (family/hired) male
FE1FE	34	LAB_F	N	5	1	Female
FE1FE	35	LAB_C	N	5	1	Children
FE1FE	36	LAB_H	N	5	1	Hired
FE1FE	37	FORM	C	4	0	Name of the form
FE1FE	38	PAGE	N	1	0	Page No. of the form
FE1FE	39	BATCH	C	6	0	Batch No. of the form
FT1FT	1	IDCODE	C	5	0	Region & Village code
FT1FT	2	HH_SL	C	4	0	Household sl. code (MS18)
FT1FT	3	SDATE	D	8	0	Date of completion
FT1FT	4	PHASE	N	1	0	Phase no. e.g. 1,2,3
FT1FT	5	FT_ID	N	2	0	Rec.no.
FT1FT	6	HHE_ID	N	2	0	H/H ent/act sl.no.
FT1FT	7	ENTPCODE	C	5	0	Ent/act e.g.code (FT04)
FT1FT	8	HH_INVOL	C	12	0	H/H members involved sl.nos.
FT1FT	9	MONTH	N	2	0	Months active (code 12)
FT1FT	10	FORTNHT1	N	1	0	Fort night nos. 1
FT1FT	11	FORTNHT2	N	1	0	Fort night nos. 2
FT1FT	12	SOURCE1	N	1	0	1st source of fish (code)
FT1FT	13	SOURCE2	N	1	0	2nd source of fish (code)
FT1FT	14	SOURCE3	N	1	0	3rd source of fish (code)
FT1FT	15	DIST1	N	1	0	1st distance of the purchase point (code)
FT1FT	16	DIST2	N	1	0	2nd distance of the purchase point (code)
FT1FT	17	DIST3	N	1	0	3rd distance of the purchase point (code)

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
FT1FT	18	DAYS_BO	N	3	0	No. of days of fish purchasing
FT1FT	19	FISH_BO	N	8	2	Total value of fish purchasing (TK.)
FT1FT	20	CR_IN	N	8	2	Credit in Tk.
FT1FT	21	CRTYPE	N	1	0	Type of credit (code 1 to 4)
FT1FT	22	CRSOURCE	N	1	0	Source of credit (code 1 to 8)
FT1FT	23	SALEPT1	N	1	0	1st sale point of fish trading (code 1 to 7)
FT1FT	24	SALEPT2	N	1	0	2nd sale point of fish trading (code 1 to 7)
FT1FT	25	SALEPT3	N	1	0	3rd sale point of fish trading (code 1 to 7)
FT1FT	26	SALEDIS1	N	1	0	1st distance of the saling point (code)
FT1FT	27	SALEDIS2	N	1	0	2nd distance of the saling point (code)
FT1FT	28	SALEDIS3	N	1	0	3rd distance of the saling point (code)
FT1FT	29	BYRCODE	C	3	0	Fish buyer (code 1 to 6)
FT1FT	30	CA_EXP	N	8	2	Cash expenses (TK.)
FT1FT	31	CASHIN	N	8	2	Cash income (Tk.)
FT1FT	32	CAINTYPE	C	1	0	Type of cash income (code G,N,A)
FT1FT	33	NCATYPE	C	1	0	Non-cash income for fish trading activities (code)
FT1FT	34	NCASH	N	8	2	Non-cash income for fish trading activities (Tk.)
FT1FT	35	CR_REPAY	N	8	2	Credit repayment (Tk.)
FT1FT	36	CRCODE	C	1	0	Credit repayment (type)
FT1FT	37	FORM	C	4	0	Name of the form
FT1FT	38	PAGE	N	1	0	Page no. of the form
FT1FT	39	BATCH	C	6	0	Batch no. of the form
BL1HIU	1	IDCODE	C	5	0	Region & Village code

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
BL1HIU	2	HH_SL	C	4	0	Household sl. code (MS18)
BL1HIU	3	SDATE	D	8	0	Date of completion
BL1HIU	4	PHASE	N	1	0	Phase no. e.g.1,2,3
BL1HIU	5	A_S	C	1	0	Add. or subtract. H/H information (+ or -)
BL1HIU	6	HI_ID	N	2	0	H/H member (no)
BL1HIU	7	HH_REL	N	2	0	Relation to H/H head (code)
BL1HIU	8	AGE	N	3	0	Age (years)
BL1HIU	9	SEX	N	1	0	Sex (code 1 for male 2 for female)
BL1HIU	10	EDUCYR	N	2	0	Education years completed
BL1HIU	11	DEPEND	N	1	0	Dependency (code)
BL1HIU	12	FORM	C	4	0	Name of the form
BL1HIU	13	PAGE	N	1	0	Page no. of the form
BL1HIU	14	BATCH	C	6	0	Batch no. of the form
BL2LWU	1	IDCODE	C	5	0	Region & Village code
BL2LWU	2	HH_SL	C	4	0	Household sl. code (MS18)
BL2LWU	3	SDATE	D	8	0	Date of completion
BL2LWU	4	PHASE	N	1	0	Phase no. e.g.1,2,3
BL2LWU	5	LW_ID	N	2	0	Never used as dropped later
BL2LWU	6	A_S	C	1	0	Add. or subtract. H/H
BL2LWU	7	PLOT	N	2	0	Plot (no)
BL2LWU	8	AREA	N	5	1	Area (dec)
BL2LWU	9	TEN_STAT	N	1	0	Tenure status (code)
BL2LWU	10	DISTANCE	N	3	0	Dist. from H/H (minutes)
BL2LWU	11	FL_DEPTH	N	4	1	Flood depth now (feet)
BL2LWU	12	LANDTYPE	N	1	0	Land type now (code)

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
BL2LWU	13	IRRIGN	N	1	0	Irrig. (code)
BL2LWU	14	FORM	C	4	0	Name of the form
BL2LWU	15	PAGE	N	1	0	Page no. of the form
BL2LWU	16	BATCH	C	6	0	Batch no. of the form
BL3ASET	1	IDCODE	C	5	0	Region & Village code
BL3ASET	2	HH_SL	C	4	0	Household sl. code (MS18)
BL3ASET	3	SDATE	D	8	0	Date of completion
BL3ASET	4	PHASE	N	1	0	Phase no. e.g.1,2,3
BL3ASET	5	A_S	C	1	0	Add or subtract Ag & H/H assets (+ or -)
BL3ASET	6	AS_ID	N	2	0	Sl. no. of Ag & H/H asset
BL3ASET	7	AS_TYPE	C	2	0	Type of Ag & H/H asset
BL3ASET	8	AS_NAME	C	15	0	Name of Ag & H/H asset
BL3ASET	9	AS_NO	N	2	0	No. of Ag & H/H asset
BL3ASET	10	AS_OWN	N	1	0	Ag & H/H asset ownership(Code)
BL3ASET	11	FORM	C	4	0	Name of the form
BL3ASET	12	PAGE	N	1	0	Page no. of the form
BL3ASET	13	BATCH	C	6	0	Batch no. of the form
BL3LIVU	1	IDCODE	C	5	0	Region & Village code
BL3LIVU	2	HH_SL	C	4	0	Household sl. code (MS18)
BL3LIVU	3	SDATE	D	8	0	Date of completion
BL3LIVU	4	PHASE	N	1	0	Phase no. e.g.1,2,3
BL3LIVU	5	A_S	C	1	0	Add & subtract of livest.
BL3LIVU	6	LIV_ID	N	2	0	Sl.no. of livestock
BL3LIVU	7	LIV_TYP	C	15	0	Type of livestock
BL3LIVU	8	LIV_NO	N	2	0	Nos. of livestock



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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
BL3LIVU	9	LIV_PRC	N	8	2	Price of livestock (Tk.)
BL3LIVU	10	LIV_OWN	N	1	0	Livestock ownership (code)
BL3LIVU	11	LIV_SHR	N	1	0	Livestock nos. shared in
BL3LIVU	12	FORM	C	4	0	Name of the form
BL3LIVU	13	PAGE	N	1	0	Page no. of the form
BL3LIVU	14	BATCH	C	6	0	Batch no. of the form
BL4HEU	1	IDCODE	C	5	0	Region & Village code
BL4HEU	2	HH_SL	C	4	0	Household sl. code (MS18)
BL4HEU	3	SDATE	D	8	0	Date of completion
BL4HEU	4	PHASE	N	1	0	Phase no. e.g.1,2,3
BL4HEU	5	A_S	C	1	0	Add & subtract H/H ent.
BL4HEU	6	HHE_ID	N	2	0	H/H ent. sl.no.
BL4HEU	7	ENTPCODE	C	5	0	H/H enterprise code
BL4HEU	8	S_INOUT	C	2	0	Fish enterprise share in/out
BL4HEU	9	ENTP_DES	C	20	0	H/H enterprise descrip.
BL4HEU	10	MA_FROM1	N	2	0	Months active (codes) from
BL4HEU	11	MA_TO1	N	2	0	Months active (codes) to
BL4HEU	12	MA_FROM2	N	2	0	Months active (codes) from
BL4HEU	13	MA_TO2	N	2	0	Months active (codes) to
BL4HEU	14	MA_FROM3	N	2	0	Months active (codes) from
BL4HEU	15	MA_TO3	N	2	0	Months active (codes) to
BL4HEU	16	HM_INVOL	C	12	0	H/H membs. involved
BL4HEU	17	FORM	C	4	0	Name of the form
BL4HEU	18	PAGE	N	1	0	Page no. of the form
BL4HEU	19	BATCH	C	6	0	Batch no. of the form

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
SUB_FIS	1	IDCODE	C	5	0	Village code NC1-A or NW1-B
SUB_FIS	2	REGION	N	1	0	Region NC,NW,NE or SW
SUB_FIS	3	VILL_NO	N	1	0	Village number
SUB_FIS	4	SUB_VILL	N	1	0	Subsistence fishing village
SUB_FIS	5	INOUT	C	1	0	Inside or outside of FCD I or O
SUB_FIS	6	SDATE	D	8	0	Survey date English 21/11/94
SUB_FIS	7	HH_SL	C	5	0	Household number JK11
SUB_FIS	8	RANK_FRM	N	1	0	Rank for farming
SUB_FIS	9	RANK_FSH	N	1	0	Rank for fishing
SUB_FIS	10	RANK_LAB	N	1	0	Rank for labour
SUB_FIS	11	RANK_TRD	N	1	0	Rank for trader
SUB_FIS	12	RANK_OTH	N	1	0	Rank for other trade/professions
SUB_FIS	13	MONTH_FD	N	2	0	Month 1-12
SUB_FIS	14	TOT_DEC	N	6	0	Total decimals
SUB_FIS	15	FG_OWNED	C	1	0	Owning a fishing ground
SUB_FIS	16	CATCH_HH	C	1	0	Caught by household
SUB_FIS	17	PAGENO	N	2	0	Page no used for batch control
SUB_FIS	18	RA_INSL	C	2	0	Research assistant code used for batch control
SUB_FIS	19	BATCH	C	6	0	Batch number used for batch control
SUB_FIS	20	L_CATEG	N	1	0	Land category codes
SUB_FIS	21	F_CATEG	N	1	0	Fishing category codes
SUB_FIS	22	SPECTRUM	N	1	0	Spectrum
SUB_FIS	23	GEAR_INV	N	6	0	No.of gears inventoried
SUB_FIS	24	BOAT_INV	N	6	0	No.of boats inventoried
SUB_FIS	25	PROCESSE	L	1	0	Processed or not y/n
SUB_FIS	26	DATAPROB	L	1	0	Used for batch control

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
KA_KU	1	IDCODE	C	5		Village code as NC1-1
KA_KU	2	SDATE	D	8		Survey date
KA_KU	3	RACODE	C	2		Research's assistant's code
KA_KU	4	SLNO	N	2		Serial number
KA_KU	5	AREA	N	6		Area of the katha
KA_KU	6	KA_NOS	N	4		Katha number
KA_KU	7	NO_MOND	C	1		Measuring units of bamboos number/mand N/M
KA_KU	8	KA_COST	N	6		Cost of katha in taka
KA_KU	9	TOT_UNTK	C	1		Unit cost or total cost U/T
KA_KU	10	SIZE	N	3		Size of katha
KA_KU	11	BMB_NOS	N	4		Number of bamboos
KA_KU	12	NO_MONDB	C	1		Measuring units of bamboos number/mand N/M
KA_KU	13	BMB_COST	N	6		Cost for bamboos
KA_KU	14	TOT_UNTB	C	1		Unit cost or total cost for bamboos U/T
KA_KU	15	LAB_COST	N	5	0	Labour cost
KA_KU	16	CODE	N	2		Codes for sources of katha branches
KA_KU	17	DTL_DES	C	25		Names of sources
KA_KU	18	PCNT_DS	N	3		Percentage of diff. sources
KA_KU	19	SLV_VAL	N	3		Salvage value in %
KA_KU	20	KU_DEPTH	N	5	1	Kua depth
KA_KU	21	KU_INI	N	6		Initial excavation cost
KA_KU	22	KU_ANL	N	6		Annual exavation cost
KA_KU	23	KU_MD_I	N	6		Initial man days for kua
KA_KU	24	KU_MD_A	N	6		Annual man days for kua
KA_KU	25	PAGE	N	2		Page number
KA_KU	26	BATCH	C	6		Batch code used for batch control

#### 3.4 Description of Codes



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Name of H/H Head & Name of Father	Fill in the names of the head of the household, whether or not he/she is present. These names should then be checked with those on the sample household list from the census survey.
<b>HOUSEHOLD MEMBERS</b>	
No.	Give each H/H member a serial number, starting with 1 for the H/H head, 2 for their spouses, then covering parents, brothers/sisters then children and other H/H members, in that order.
Relation to H/H head (Code)	From the list of codes, give a code for each H/H member to indicate their relationship with the head of the household.
Names of H/H members	The names of H/H members should be listed primarily as a means of improving the relationship between Research Assistants and respondents. These names are entirely for reference by Research Assistants and they do not all have to be recorded during the first round enumeration.
Age	Give the age of each H/H member in years, to the nearest year. For children under 1 year, give age as 1.
Sex (Code)	Using the list of codes, note the sex of each H/H member.
Education : years completed	Give the number of years' education completed by each H/H member. Where school has not been attended or no full school year has been completed, give 0.
Dependency (Code)	Using the list of codes, note whether or not H/H members are "dependent". "Dependent" is taken to mean any H/H member who is not capable of contributing to the H/H's livelihood, either because of their age or because of disability. All children under 5 years will be assumed to be dependent. For other H/H members take the respondent's definition of who is dependent, regardless of age.
<b>HOUSEHOLD MIGRATION</b>	
Have you always lived here ?	Ask whether the head of the H/H has always lived in this mauza. If his answer is "Yes", there is no need to continue with this section of the form. If his answer is "No", carry on to the other sections.
If no : When did you arrive ?	Ask the approximate year (English calendar) in which the head of the household moved to this village.
Where did you arrive from? (Thana)	Give the name of the thana from which the head of the household moved.
Reasons for moving	Ask the respondent why he/she moved from their original home. Rank the reasons given using number "1" and "2". Do not give more than 2 reasons. Any factors not mentioned on the list should be written in under "other" and ranked.
Reasons for coming here	Ask the respondent why he/she came to this particular village. Rank the reasons given using number "1" and "2". Do not give more than 2 reasons. Any factors not mentioned on the list should be written in under "other" and ranked.

Codes		
Relation to H/H Head	1 – H/H head	8 – Sister
	2 – Wife	9 – Daughter-in-law
	3 – Father	10 – Son-in-law
	4 – Mother	11 – Sister-in-law
	5 – Son	12 – Brother-in-law
	6 – Daughter	13 – Nephew/niece
	7 – Brother	14 – Other
Sex	1 – Male	
	2 – Female	
Dependency	1 – Working adults / children > 5 years	
	2 – Children < 5 years / disabled persons / those defined by respondent as too old to work	



The information collected should cover any land or water bodies which the household owns, whether or not members of the household are cultivating that land or have access to it at all. So, land that is mortgaged out should be included, even it has not been cultivated by the H/H for many years. In the case of mortgaged out land or ponds details regarding crops and flooding depth need not be filled in. Also, if land is owned but share-cropped it should be included and any earnings from that land covered in the monitoring forms.

Plot (no.)	Each plot or water body owned or operated by the household should be recorded separately and given a separate serial number. Plots should be identified using the village sketch map. Where several plots are located close together, and have similar tenure status and the same cropping patterns, it is not necessary to fill in all the data each time. In these cases, individual plots should be numbered but the information can be filled in once only.
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CROPS LAST YEAR (by season)

Irrigation	Using the codes, indicate whether that plot can be irrigated. If it can be irrigated, but that capability is not always used, note the plot as irrigated in any case.
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CODES			
Tenurial Status	1 – Owned 2 – Sharecropped in 3 – Sharecropped out 4 – Mortgaged in 5 – Mortgaged out 6 – Rented in 7 – Rented out 8 – Khas land	Crop Abbreviations	B.Aus – Broadcast Aus T.Aus – Local Transplanted Aus T.Aus(HYV) – HYV Transplanted Aus MAA – Mixed Aus & Amon DWR – Broadcast Amon TA – HYV Transplanted Amon BL – Local Boro BH – HYV Boro *All other crops, write in name of crop, including both crops where multi-cropping has taken place. Remember that this record of crops is to enable you to code H/H agricultural enterprises for household monitoring. For ponds, use the following abbreviations to indicate the level of culture activities: S – Stocked only SF – Stocked & Fertilized SFF – Stocked, Fertilized & Fed NS – Naturally Stocked
Landtype/ Pondtype	1 – High (0') 2 – MH1 (0'–1') 3 – MH2 (1'–3') 4 – ML (3'–6') 5 – L (6'–10') 6 – VL (> 10') 7 – Pond 8 – Ditch / Maital / etc.	Irrigation codes	1 – Irrigated 2 – Not Irrigated

## HOUSING

Using the matrix, record the materials used for the construction of the roof and walls of the main house ie. the house where the household sleeps. Choose the number which corresponds most closely to the construction type of the house and write that number in the box for "construction type". Use the other boxes provided to record the number of rooms in the house and the ownership status. For ownership, use the codes provided.

## AGRICULTURAL & HOUSEHOLD ASSETS

Nos.	Record the number of that particular item owned.
Ownership (Code)	Note the ownership of that item using the codes provided

## LIVESTOCK

For livestock, distinguish between livestock actually owned (whether fully or shared) and those livestock share-cropped in by the respondent's household. The first 3 columns are for livestock owned only.

Nos.	Record the number of that particular type of livestock owned, irrespective of size or age.
Value	Note the estimated total replacement value on the local market for those livestock owned by the respondent's household. This does not include share-cropped in livestock.
Ownership (Code)	Note the code indicating the ownership status of those livestock owned.
Nos. Shared In	Give the number of that type of livestock which the H/H share-crops in.

## POVERTY INDICATORS

### CLOTHING

Adult H/H members Serial Number	Using the H/H members serial code from Page 1 of the baseline survey, note down the adult members of the household : i.e. over 15 years old and any younger married women.
No. of lungis	Give the number of lungis owned by each male adult.
No. of saris	Give the number of saris owned by each female adult.
No. of winter shawls	Give the number of items of winter clothing owned by each adult i.e. shawls, sweaters, jackets, etc.

### FOOD DEFICIT PERIODS

Ask households during which months of the year they normally have less than their minimum requirement of food. "Less than the minimum requirement" should be defined as a situation where the any members of the household are forced to eat less than 2 meals a day because food is not available in the household. Block out those months which are "deficit" on the seasonal calendar and mark them with "D" for "deficit". Take care not to include as "deficit months" those months when households have to borrow food but are able to maintain normal consumption. Include only those months when food is absolutely not available to the household, leading to reduced consumption for at least 1 H/H members. After returning from the field, transfer the data collected on the seasonal chart in the boxes provided using the codes for months given below :

Baishak - 1	Bhadra - 5	Poush - 9
Joishtya - 2	Ashwin - 6	Magh - 10
Ashar - 3	Kartik - 7	Falgun - 11
Sraban - 4	Augrahan - 8	Chaitra - 12

## CODES

### House Ownership

1 - Fully Owned	3 - Rented
2 - Shared ownership	4 - Other

### Agricultural, Household & Livestock Ownership

1 - Fully owned
2 - Shared ownership
3 - Some items owned, some items shared



**HOUSEHOLD ENTERPRISES**

Using the list of agricultural crops grown, the assets reported by each household, and the census data provided on fishing gear ownership and cross-checking with the respondent, draw up a list of the enterprises which the household usually engages in through the year. Try to separate out different activities into separate enterprises as far as possible.

<b>H/H Ent/Act.SL.No.</b>	Give each enterprise listed a progressive serial number. This number will only identify each enterprise within the H/H.
<b>Enterprise / Activity Code</b>	Using the codes provided, identify each enterprise. Note that each enterprise code consists of a letter prefix, such as "AE" which indicates the type of enterprise ie. agricultural or self-employed, followed by a number which indicates the enterprise type more specifically. More enterprise codes are given separately as they are more detailed.
<b>Enterprise/Activity Description</b>	Give a brief written description of each enterprise ie. boro cultivation, seine net fishing, rice trading, etc.
<b>Months Active</b>	Give the codes for the months in which this enterprise is usually active. For agricultural enterprises, only note those months when a crop is being cultivated & harvested. Do not include periods when stocks of the crop are being sold or consumed.
<b>H/H Members Involved</b>	Using the H/H member serial codes from Page 1 of the baseline survey, note down the members of the H/H who are usually involved in performing that enterprise.

**ENTERPRISE CODES**

<b>Agricultural Enterprises</b>	Prefix : AE	
AE 01 Rice (HYV or Improved Varieties)	AE 19 Perennial Spices (Ginger / Turmeric)	
AE 02 Rice (Local Varieties)	AE 20 Other Spices (Coriander / Bay Leaf)	
AE 03 Mixed Aus / Amon Rice	AE 21 Water Melon	
AE 04 Wheat	AE 22 Papaya	
AE 05 Other Cereals (Maize / Millet / Barley)	AE 23 Banana	
AE 06 Pulses (Lentil / Chickpea / B.Gram / Khesari / Moong / Motor)	AE 24 Pineapple	
AE 07 Mustard	AE 25 Tree Fruits (Mango / Jackfruit)	
AE 08 Other Oilseeds	AE 26 Juice Tree (Date Palm / Palm)	
AE 09 Potato	AE 27 Other Fruits (Guava / Nuts / Citrus / Plum / Jamrul / etc.)	
AE 10 Root Crops (Sweet Potato / Cassava / Arum)	AE 28 Narcotics (Betel Leaf / Tobacco)	
AE 11 Brinjal	AE 29 Sugarcane	
AE 12 Radish	AE 30 Jute	
AE 13 Leafy Vegetable (Spinach / Pui / Lettuce)	AE 31 Cotton	
AE 14 Cauliflower / Cabbage	AE 32 Mixed Crop (Pulses + Oilseed / Potato + Oilseed / etc.)	
AE 15 Other Vegetables (Palma / Ladies Fingers / Gourd / Cucumber)	AE 33 Economic Forest Bushes (Bamboo / Cane / Kashia / Hogla)	
AE 16 Onion	AE 34 Green Manure Crops (Dhaincha / Sunhemp)	
AE 17 Garlic	AE 35 Seed-bed (note type of seed in enterprise description)	
AE 18 Chilli		

Any of these agricultural enterprises carried out on either a share-cropped in or share-cropped out basis should be indicated using the following codes after the enterprise code :

Share-cropped in - (SI)

Share-cropped out - (SO)

These should be added to the end of the enterprise code. For example, where a Local Variety Rice crop is grown on share-cropped in land, the enterprise code will become AE 02 (SI).

<b>Livestock Enterprises</b>	Prefix : LV	
LV 01 Poultry & Birds (Chickens / Ducks / Pigeons)	LV 03 Cattle (Ox / Bullock / Cow / Heifer / Buffalo)	
LV 02 Small Ruminants (Goat / Sheep)		
<b>Agricultural Labour Enterprises</b>	Prefix : AL	
AL 01 Agricultural Labour (Daily Basis)	AL 03 Agricultural Labour (Exchange Basis)	
AL 02 Agricultural Labour (Contract Basis)		
<b>Non-Agricultural Labour Enterprises</b>	Prefix : NL	
NL 01 Non-Agricultural Labour (Daily Basis)	NL 03 Non-Agricultural Labour (Contract Basis)	
NL 02 Non-Agricultural Labour (Volume Basis)	NL 04 Service in Govt./ NGO / Private Office	
<b>Food-For-Work Enterprises</b>	Prefix : FW	
FW 01 Earthwork - General (Road / Pathways / Ponds / Canals / etc.)	FW 03 Other Works (House Making / Tree Planting / etc.)	
FW 02 Earthwork - FCD/I Maintenance (Embankment / Canal & Ditch Canal & Ditch Excavation / Repair of Cuts / etc.)		
<b>Self-Employed Enterprises</b>	Prefix : SE	
SE 01 Skilled labour (Potter / Blacksmith / Weaver / Barber / Goldsmith / Tailor / Carpenter / Oil Crusher / Sweet Maker / Mat maker)	SE 03 Professionals (Doctor / Quack / Engineer / Lawyer / Teacher / Religious Leader / etc.)	
SE 02 Transport Labour (Boatman / Van Puller / Rickshaw / Bullock Cart / Horse Cart / etc.)	SE 04 Trade and Business (Shop Owners / Mill Owners / Small Traders / Itinerant Vendors / etc.)	
<b>Other Income Sources</b>	Prefix : OS	
OS 01 Remittances from Relatives (Home or Abroad)	OS 04 Compensation (for Injury, Loss of Land, Disaster, etc)	
OS 02 Pensions	OS 05 Begging	
OS 03 Relief (Cash or Kind)	OS 06 Land sale, mortgage out, rental, etc.	

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<b>Gear Making Enterprises</b>	Prefix : <b>GM</b>	
Any activities connected with the making of fishing gear or equipment, should be recorded on the sheet provided. This should included gear making for sale or for H/H use. A single code should be used :		
GM 01 Fishing Gear Making for Sale		GM 02 Fishing Gear Making for H/H Use
<b>Fish Trading Enterprises</b>	Prefix : <b>FT</b>	
For fish trading enterprises, enter the enterprises directly onto the separete fish trading sheets using the codes below to distinguish different types of trader :		
FT 01 Nikari / Faria / Bepari		FT 03 Paiker
FT 02 Arotadar		FT 04 Chalani
FT 05 Fish fingerling trader		
<b>Fishing Enterprises</b>	Prefix : <b>FE</b>	
Record on the baseline enterprise list any fishing enterprises which household members reports to be engaged in. Use their reported fishing gear ownership as a guide in determining which fishing enterprises they are likely to carry out.		
<b>Fishing Labour</b>	Prefix : <b>FL</b>	
Where people work on fishing enterprises but do not have any ownership of the gear being used, the enterprises should be coded using the code FL (for fishing labour) + the gear code for the fishing gear used. Earnings should then be recorded on the fishing enterprise forms as for any other fishing enterprise. The basis on which the labour is carried out should then be entered in the description of the activity (i.e.catch share basis, daily wage basis or contract basis)		
<b>Fish Culture Enterprises</b>	Prefix : <b>FC</b>	
Enter fish culture activities on the fish culture monitoring sheet provided. Use the following codes :		
FC 01 Culture of Ponds Owned by H/H		FC 03 Harvest of Ditches, Maital, etc Owned by H/H
FC 02 Culture of Ponds Owned by Other People (Rental or Share—Cropping)		FC 04 Ponds, Ditches, etc Rented or Share—Cropped Out
Where other person's derelict ponds or ditches are harvested, this will be counted as a fisheries enterprise determined by the gear used.		
<b>Expenditure Saving Activities :</b>	Prefix : <b>ES</b>	
Any other activities which do not earn cash income directly but play an important role in the H/H's livelihood should be entered. The codes below cover a range of these activities, but activities may well be mentioned which cannot be included. These should be described briefly, and given the code for "other". note that it may be difficult to get a complete list of these "expenditure—saving activities" during the baseline survey. Research Assistants should not spend too long trying to get an exhaustive list at this stage. During the monitoring of the household, new activities will be mentioned and should be recorded. These should subsequently be noted on the baseline enterprise lists and given suitable codes.		
ES 01 Gleaning		ES 05 Exchange of labour for food (begar)
ES 02 Collection of food from wild		ES 06 Production of vegetables & fruit from homestead garden
ES 03 Collection of fuel for sale		ES 07 Household earthwork
ES 04 Making of implements & tools		



**MONITORING FORM 1****NON-FISHERIES INCOME & EXPENDITURE SAVING ACTIVITIES**

On this form, record the estimated net earnings for the household of any activities apart from fishing, fish culture, fish trading or netmaking. For some of these activities, you will be able to assign a H/H enterprise code using Page 4 of the baseline survey. However, some activities will not have been listed during the baseline. For these activities assign new codes and update the enterprise list of the baseline.

Respondents will undoubtedly need prompting to remember all the activities they have been involved in over the last month. Research Assistants should remember, in particular, to prompt respondents regarding activities carried out by women and children in the household. Many of these activities may be expenditure-saving rather than cash-income earning. Many expenditure-saving activities sometimes earn income as well or form part of an income-generating activity. For example, grazing cattle on common land can be regarded as part of a livestock enterprise. However, some expenditure saving activities may play an important role in the livelihoods of some households. Research Assistants should specifically ask about the following activities and establish whether any income was generated. Where non-cash income was generated by any of these activities, the value should be recorded as well as the form. Some of the activities below will consume considerable amounts of time although they may not generate income. activity takes up more than 2 hours a day, the time spent on that activity should be totalled up for the reporting period and those involved be identified by their H/H Serial Numbers. Special attention should be paid to the time employed by children on these activities and their time recorded in the special column provided.

The labour expended and income generated by the following activities should be monitored in detail.

**- GLEANING FOR FOOD**

Gleaning means the collection of crops from cultivable land after the harvest. This may be of particular importance for very poor families and will usually be carried out by women and children. Some will be consumed and should be recorded as non-cash income for consumption. However, cash income from sales should be checked. Particular attention should be paid to gleaning during the harvesting periods of major grain crops. An account of stocks from gleaning may also be required.

**- COLLECTION OF FOOD FROM THE WILD**

Women and children from poorer households may spend considerable time on collecting food from wild sources during particular times of the year. This will generally be for consumption but some may be sold. Where no taka value can be assigned to collected foods, simply give the time spent on the activity.

**- COLLECTION OF FUEL FOR SALE**

All families will primarily rely on collected fuel for household consumption. The activity should only be recorded when some fuel collected is sold. Note that fuel may be in the form of wood, leaves or dung. In the case of cow dung, extra time may be employed, by women in particular, to process the dung into fuel sticks.

**- MAKING OF IMPLEMENTS AND TOOLS**

Many of the important implements used by farming households will be made by household members themselves. Time spent making such implements should be recorded when it occurs during monitoring periods and the market value of the tool recorded as non-cash income.

**- PRODUCTION OF VEGETABLES AND FRUIT FROM HOMESTEAD GARDENS**

Wherever possible, vegetable and fruit production should be recorded as a separate enterprise with the appropriate enterprise code. However, where a mixed homestead garden is maintained, giving fruit and vegetables primarily for home consumption, it can be recorded as an expenditure-saving activity. This does not mean that it should generate any cash income. Homestead gardens will probably produce both cash and non-cash income. Special attention should be paid to time spent on homestead gardening by women in the household.

**- EXCHANGE OF LABOUR FOR FOOD (BEGAR)**

At difficult period of the year, or during family crises, poor households may give some of their children to better off households to work in exchange for food only. Where such an arrangement occurs, the consumption saved should be accounted for and given a value recorded as non-cash income in food form.

**- HOUSEHOLD EARTHWORK**

During the dry season, household members may spend considerable time on building up their homesteads. The time spent on this by different household members should be recorded. No value need be assigned.

As a general rule, Research Assistants should be prepared to break up separate activities and enterprises onto several different lines as required. For example, if two different H/H members were both involved in agricultural labour for different numbers of days and at different rates of pay, they should be entered on separate lines although their enterprises will have the same H/H enterprise number and the same enterprise or activity code.

Month (Code & Name)	Note down the Bangla month for which that sheet records income. Write the month name using the spellings given below and note the month code in the box. The codes are as follows :		
	Baishak – 1	Bhadra – 5	Poush – 9
	Joishtya – 2	Ashwin – 6	Magh – 10
	Ashar – 3	Kartik – 7	Falgun – 11
	Sraban – 4	Augrahan – 8	Chaitra – 12
RA Initial :	The Research Assistant doing the monitoring on that particular round should enter his/her initial here.		







## MONITORING FORM 2

## FISHERIES INCOME

Fisheries enterprises include any fishing activities involving household members.

Fish trading will only become a separate enterprise where fish is specifically bought or traded in order to be resold or bartered.

Fishing Enterprise (Code)	Using the list of fishing gear codes provided, fill in the code for the individual fishing enterprise covered on this sheet. Each type of gear operated will constitute 1 fishing enterprise. Where doubts arise about codes, consult with the Fisheries Assessment team of FAP 17.
Fishing Enterprise Type	Give the name, in Bangla, of the fishing gear used for this enterprise.
Date	Note the date of enumeration for that particular monitoring round.
RA Initial	They should note their RA initial here each time they monitor that household.
Month (Abbreviation & Code)	Give Bengali month in which the activity on that particular line took place. Use the following abbreviations : Baish - 1                      Bhad - 5                      Poush - 9 Joish - 2                      Ash - 6                      Magh - 10 Ashar - 3                      Kart - 7                      Falg - 11 Srab - 4                      Agra - 8                      Chait - 12
Week (Number)	Note the week number, in the Bangla month, for which income is being recorded. Try to collect income information as far as possible week-by-week.
Activity	Give a brief description of the activity which is being accounted for and reported on that line. Try to break down the various activities which make up the enterprise as much as possible onto separate lines. For example, if, in one month, household members went fishing in 3 different locations, took credit and repaired their nets, try to put all these different activities onto different lines ie. 5 lines for that month. Do not account too many activities onto one line.
H/H Members Involved (Serial Numbers)	Note down the serial numbers of the H/H members who were involved in that particular fisheries enterprise during the period being reported on.
Waterbody (Code)	Using the codes below, give the type of waterbody on which the fishing activity being recorded took place. Where fishing activities took place on different types of waterbody during the course of a single week, note those locations and, if possible, the time spent on each (in man-days), on separate lines even though the income may be shown as an aggregate from all the different locations. The codes for water bodies are as follows : 1 - Main River                      5 - Pond, Ditch, Maital, Pagar, etc 2 - Secondary River                      6 - Flood plain, chak 3 - Khal                      7 - Halot, Gopat, other flooded area 4 - Beel
Distance (Code)	Give distance of waterbody fished from home of respondent. 1 - < 1 mile                      4 - 10-25 miles 2 - 1-5 miles                      5 - > 25 miles 3 - 6-10 miles
Access (Code)	Using the codes given below, indicate the terms on which H/H members involved in this fishing enterprise had access to a fishing ground on this particular occasion. 1 - Open : no payment or sharing of catch was required to gain access 2 - Lease : H/H members have taken the lease for a particular water body directly from the owner or responsible ie. Fisheries Dept., Land Revenue Office, local institutions, private owners. 3 - Sub-Lease : H/H members have paid a fee to a lease-holder for access to a particular water body for fishing for a fixed period of time. This should include people harvesting ponds for a fixed fee. 4 - Fixed fee or toll : H/H members have paid a fee for access to a particular water body. This will usually give the right to use a particular gear for a particular period of time i.e. one berjal for one season. Any bribes or fees extorted illegally for "access" would constitute a fixed fee as well. Also, access to a NFMP jalmahal through a licence fee should come under this code. 5 - Catch Share : H/H members have access to leased or privately owned and give a proportion of their catch to the leasee or owner. This would include catch share arrangements for harvesting ponds and maitals. 6 - Fishing labour : H/H members are hired at a wage rate to harvest fish in a particular water body by the owner or leasee of that water body.



## FISHERIES INCOME continued

Water body status (Code)	Indicate the actual status of the area fished at that time. 1 - Private land / water body not subject to any leasing or restricted access. 2 - Open "khas" water body: government waterbody with no leasing arrangement and open access for fisheries. 3 - DoF Jalmahal : government water body leased out by Department of Fisheries. 4 - LRO Jalmahal : government water body leased out by Land Revenue Office. 5 - Private lease : water body leased out by local institution or private institution.
Cash income (Taka)	Give the cash amount actually received by H/H members for the fishing activity being reported during the period covered. Note down whatever type of income respondents can easily answer about ie. gross or net. Ensure that you know which type of income is being reported and enter it in the next column. Also include as cash income any advances received (agam).
Type (Code)	Note the type of cash income being reported : G - Gross income                      N - Net income                      A - Advance (agam)
Credit in (Taka)	Give the amount, in taka, received as credit, from any source, linked to the performance of fishing activities during the period being reported. This should not include advances (agam), but should include any payment of 'rin' (cash credit with fixed interest rates) or 'dadon' (capital advance in return for a share of the product).
Type (Code)	Note the type of credit taken. 'Rin' is cash credit with a fixed interest rate. 'Dadon' is any other credit with unspecified interest and payment as a proportion of total income. Where credit is given in kind ie. in the form of fishing gear, the taka value of that gear should be calculated and entered here but the form of that credit entered under "non-cash income : type". The codes for different types of credit are as follows : R - Rin                      D - Dadon                      K - Kind
Source (Code)	Note the source of credit received using the following codes : 1 - Mohajan / Money-Lender                      5 - Neighbours 2 - Arotdar / Chalani                      6 - NGOs (including Grameen Bank) 3 - Other Fish Trader                      7 - Other formal sources (including banks) 4 - Relative                      8 - Other sources
Type of Non-Cash Income	Using the codes below, indicate the form of any income or payment for work which was not in cash. C - Consumption (Fish caught & consumed by the H/H) B - Barter (Fish caught & exchanged for food or services) M - Meals (Payment for fisheries labour ie. as part of fishing team) F - Food (Payment for fisheries labour received in the form of uncooked food) L - Labour (Payment for fish caught by labour provided)
Non-Cash Income (Taka)	Give the value, in taka, of any non-cash income received for fisheries activities. The value of non-cash credit should not be entered again.
Cash Expenditure (Taka)	Any expenses incurred during the performance of fisheries activities and paid for in cash during the period reported i.e. repair of gear, purchase of bait, etc.
Access Payment (Taka)	Any payment incurred in order to gain access to a particular fishing area during the period reported ie. payment for a lease or sub-lease, payment of a fee for access, bribes to officials, payment to waterbody owners, etc.
Credit Repayment (Taka)	The value of any repayment of credit during the period reported, including payments of principal and of interest. In the case of 'dadon' repayments made directly from production ie. repayment of a 'dadon' loan taken from an 'arotdar' directly from the catch sold to the same arotdar, the estimated value of the share taken or repaid should be given.
Type (Code)	The type of loan being repaid should be noted. Codes are as follows : R - Rin                      D - Dadon
Man-Days Labour Family / Hired (Numbers)	Note, in the respective columns, the number of full man-days of labour provided on that particular activity or enterprise by adult males, adult females and children in the household. Adults are regarded as being > 15 years old. In addition, note down the number of man-days of hired labour provided for the activity and record it in the respective column. A full-day's labour will be taken as being > 6 hours' work. Where enterprises or activities, such as livestock rearing, require very limited amounts of work repeated every day, make an approximate calculation of the total of full man-days involved using 8 hours as a full day. Any balance should be incorporated as follows : 1-2 hours - 0 man-days                      3-5 hours - 0.5 man-days                      > 6 hours - 1 man-day



# FAP 17 SOCIO-ECONOMIC SURVEY

NOTES : PAGE 5

## MONITORING FORM 3

### FISH TRADING ENTERPRISES

Fish trading enterprises are any enterprises where fish is obtained through purchase or barter with the intention of resale. It does not include the sale of fish caught by household members.

<b>Enterprise Code</b>	Using the fish trading enterprise codes provided below, fill in the code for the individual fish trading enterprise being recorded on this sheet. The codes are as follows : <div style="display: flex; justify-content: space-around;"> <div>FT 01    Nikari / Faria / Bepari</div> <div>FT 03    Paiker</div> </div> <div style="display: flex; justify-content: space-around;"> <div>FT 02    Arotdar</div> <div>FT 04    Chalani</div> </div>
<b>Fish Trading Enterprise Type</b>	Give the name, in Bangla, of the type of fish trading engaged in.
<b>Date :</b>	Note the date of enumeration for that particular monitoring round.
<b>RA Initial :</b>	They should note their RA initial here each time they monitor that household.
<b>Month :</b>	Give Bengali month in which the activity on that particular line took place. Use the following abbreviations : <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;">Baish - 1</div> <div style="width: 33%;">Bhad - 5</div> <div style="width: 33%;">Poush - 9</div> <div style="width: 33%;">Joish - 2</div> <div style="width: 33%;">Ash - 6</div> <div style="width: 33%;">Magh - 10</div> <div style="width: 33%;">Ashar - 3</div> <div style="width: 33%;">Kart - 7</div> <div style="width: 33%;">Falg - 11</div> <div style="width: 33%;">Srab - 4</div> <div style="width: 33%;">Agra - 8</div> <div style="width: 33%;">Chait - 12</div> </div>
<b>Activity :</b>	Give a brief description of the activity which is being accounted for and reported on that line. Try to break down the various activities which make up the enterprise as much as possible onto separate lines. For example, if, in one month, household members sold fish in 3 different locations, took credit and bought new fish baskets, try to put all these different activities onto different lines ie. 5 separate lines for that month. Do not account too many activities on one line.
<b>H/H Members involved (Serial Numbers)</b>	Note down the serial numbers of the H/H members who were involved in that particular fisheries enterprise during the period being reported on.
<b>Source :</b>	Indicate the person from whom the respondent obtained his fish in that particular transaction. Use the codes provided : <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;">1 - Nikari / Faria / Bepari</div> <div style="width: 33%;">4 - Chalani</div> <div style="width: 33%;">7 - Other</div> <div style="width: 33%;">2 - Arotdar</div> <div style="width: 33%;">5 - Pond, Ditch, Maital Owner</div> <div style="width: 33%;">3 - Paiker</div> <div style="width: 33%;">6 - Fisherman</div> </div>
<b>Distance code :</b>	Give distance of the purchase point from the home of the respondent. <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;">1 - &lt; 1 mile</div> <div style="width: 33%;">4 - 10-25 miles</div> <div style="width: 33%;">2 - 1-5 miles</div> <div style="width: 33%;">5 - &gt; 25 miles</div> <div style="width: 33%;">3 - 6-10 miles</div> </div>
<b>No. of days purchased</b>	Give the number of days on which H/H members purchased fish from that particular source for sale or barter.
<b>Fish bought (Tk.) :</b>	Give the total value of fish purchased during the period being recorded on that line. Where fish traders give an average daily figure, multiply up the amount for the number of days being recorded on that line.
<b>Credit In (Tk.) :</b>	Give the amount, in taka, received as credit, from any source, which was taken out in order to engage in fish trading activities. This should not include advances ("agam") which are paid by arotdar or other buyers as advance working capital which ensures that small fish traders deal with that arotdar. It should include any "rin" (cash credit at fixed interest rates) and "dadon" (loan of capital with some proportional charge levied on earnings). Where any non-cash credit has been received, enter the estimated taka value of goods received and use the code for "kind" under type of credit.
<b>Type :</b>	Note the type of credit taken. "Rin" is cash credit with a fixed interest rate and would normally be taken from a mohajan or money-lender. "Dadon" is credit taken which is more closely linked to that activity being financed. For fish traders, "dadon" will usually be taken from arotdar, with no fixed interest rate, but some arrangement where the arotdar takes a proportion of the fish traded in addition to his normal commission. The trader taking the loan is also obliged to trade his fish through the person giving the loan. The codes are as follows : <div style="display: flex; justify-content: space-around;"> <div>1 - Rin</div> <div>2 - Dadon</div> <div>3 - Kind</div> <div>4 - Other</div> </div>
<b>Source :</b>	Give the source of the credit taken using the following codes : <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">1 - Mohajan / Money-Lender</div> <div style="width: 50%;">5 - Neighbours</div> <div style="width: 50%;">2 - Arotdar / Chalani</div> <div style="width: 50%;">6 - NGOs (including Grameen Bank)</div> <div style="width: 50%;">3 - Other Fish Trader</div> <div style="width: 50%;">7 - Other formal sources (including banks)</div> <div style="width: 50%;">4 - Relative</div> <div style="width: 50%;">8 - Other sources</div> </div>

**FISH TRADING ENTERPRISES continued**

<b>Sale Point :</b>	<p>Give the point at which the H/H members involved in this fish trading activity sold, traded or bartered their fish, using the codes below :</p> <p>1 - Inside their own village, including door-to-door  2 - Local hat outside their own village  3 - Bazar inside their own thana (including thana level bazar)  4 - Thana-level bazar in another thana</p> <p>5 - District town (in own district)  6 - District town (in another district)  7 - Dhaka</p>
<b>Distance :</b>	<p>Give the distance of the sale point from the respondent's home, using the codes below :</p> <p>1 - &lt; 1 mile  2 - 1-5 miles  3 - 6-10 miles</p> <p>4 - 10-25 miles  5 - &gt; 25 miles</p>
<b>Buyer Code :</b>	<p>Give the person to whom H/H members sold, traded or bartered their fish using the codes given below :</p> <p>1 - Nikari / Faria / Bepari  2 - Arotdar  3 - Paiker</p> <p>4 - Chalani  5 - Consumer (door-to-door/local hat/bazar)  6 - Relatives or neighbours</p>
<b>Cash Expenditure :</b>	<p>Give the taka value of any expenses incurred during the performance of this fish trading activity and paid for in cash or kind. For fish traders, these expenses will primarily be for transport and market tolls.</p>
<b>Cash income :</b>	<p>Give the amount received by H/H members for the fish trading activity being reported. Note down whatever type of income respondents can easily answer about ie. gross or net. Ensure that you know which type of income is being reported and enter it in the next column. Also include as cash income any advances received (agam) where the only "repayment" is in the form of selling fish through the person who gave the loan. Note that fish traders generally report their estimate of net earnings ie. the amount they took home.</p>
<b>Type :</b>	<p>Note the type of cash income being reported :</p> <p>G - Gross income  N - Net income  A - Advance (agam)</p>
<b>Type of Non-Cash Income :</b>	<p>Give the form in which any income or payment for work not in cash was received for the performance of this particular fish trading activity. This would include fish kept for consumption, bartered goods received in exchange for fish bought for trading, etc.</p>
<b>Non-Cash Income :</b>	<p>Give the value, in taka, of any non-cash income received for fish trading activities. The value of non-cash credit should not be entered again.</p>
<b>Credit Repayment :</b>	<p>The value of any repayment of credit during the period reported, including payments of principal and of interest. In the case of 'dadon' repayments made directly from production ie. repayment of a 'dadon' loan taken from an 'arotdar' directly from fish sold to the same arotdar, the estimated value of the share taken or repaid should be given.</p>
<b>Type</b>	<p>The type of loan being repaid should be noted. Codes are as follows :</p> <p>1 - Rin                      2 - Dadon                      3 - Kind                      4 - Other</p>





**FISH CULTURE ENTERPRISES continued**

<b>Source (Code)</b>	Give the source of the credit taken using the following codes : 1 – Mohajan / Money-Lender      5 – Neighbours 2 – Arotdar / Chalani              6 – NGOs (including Grameen Bank) 3 – Other Fish Trader                7 – Other formal sources (including banks) 4 – Relative                              8 – Other sources
<b>FISH OUT</b>	
<b>Harvested by (Code)</b>	Indicate who actually took harvested the pond using the following codes : 1 – Self and family members      4 – Fishermen (hire basis) 2 – Non-fisherman (hire basis)    5 – Fishermen (catch share) 3 – Non-fisherman (catch share)   6 – Other
<b>Buyer (Code)</b>	Give the person to whom H/H members sold, traded or bartered fish from their fish culture enterprise using the codes given below : 1 – Nikari / Faria / Bepari          4 – Chalani 2 – Arotdar                              5 – Consumer (door-to-door/local hat/bazar) 3 – Paiker                                6 – Relatives or neighbours
<b>Amount (Maunds)</b>	Give the quantity of fish obtained from the water body during this period. Record it in maunds.
<b>Cash income :</b>	Give the amount received by H/H members for the fish culture activity being reported. Note down whatever type of income respondents can easily answer about ie. gross or net. Ensure that you know which type of income is being reported and enter it in the next column.
<b>Type (Code)</b>	Give the type of income being reported using the codes given : 1 – Gross                                  2 – Net                                  3 – Advance (agam)
<b>Non-Cash Income (Type)</b>	Using the codes below, indicate the form of any income or payment for work which was not in cash. C – Consumption                      (Fish caught & consumed by the H/H) B – Barter                                (Fish caught & exchanged for food or services) M – Meals                                (Payment for fisheries labour ie. as part of fishing team) F – Food                                  (Payment for fisheries labour received in the form of uncooked food) L – Labour                                (Payment for fish caught by labour provided)
<b>Non-Cash Income (Taka)</b>	Give the value, in taka, of any non-cash income received for fish trading activities.
<b>Credit Repayment :</b>	The value of any repayment of credit during the period reported, including payments of principal and of interest. In the case of 'dadon' repayments made directly from production ie. repayment of a 'dadon' loan taken from an 'arotdar' directly from the catch sold to the same arotdar, the estimated value of the share taken or repaid should be given.
<b>Type</b>	The type of loan being repaid should be noted. Codes are as follows : R – Rin                                      D – Dadon
<b>Labour :</b>	The amount of days' labour taken up for this fisheries activity during the period reported on. This should be divided into family labour and hired labour. A full day of labour should be taken as > 6 hours. Where fishing activities are being reported which take up just a few hours ie. subsistence fishing, the labour expended should be calculated on the basis of 8 hours to 1 man-day. Any extra hours should be assigned as follows : 1-2 hours – 0 man-days      3-5 hours – 0.5 man-days      > 6 hours – 1 man-day

### 3.5 Copies of Survey Forms





FAP 17 SOCIO-ECONOMIC SURVEY  
HOUSEHOLD BASELINE SURVEY

Region	Village Code	RA Initial	H/H Code
NE	1-1	KA	MS64

Date of Completion	Supervisor's Signature
14 / 9 / 93	

DATA ENTRY FORM : BL 01

HOUSEHOLD INFORMATION

HOUSEHOLD MEMBERS

No.	Relation to H/H head (Code)	Age (Years)	Sex (Code)	Educ. years compl.	Depend. (Code)
1	1	65	2	0	2
2	6	30	2	0	1
3	13	18	2	6	1

HOUSEHOLD MEMBERS

No.	Relationship to H/H head (Code)	Age (Years)	Sex (Code)	Educ. years compl.	Depend. (Code)

HOUSEHOLD MIGRATION

Have you always lived here ?

☐ 1 - Yes  
☐ 2 - No

If "NO" (2)  
go on :

When did you arrive ?  
(year)

Where did you arrive from ?  
(thana)

Reasons for moving (Ranked)

River erosion	
Flooding	
Other natural calamity	
Loss of land	
Loss of job	
Lack of space on H/S	
Other :	

Reasons for coming here

(Ranked)

Seeking land	
Seeking employment	
Joining relatives	
Shelter from flooding	
Other :	

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Phase No.	Date of Completion	Supervisor's Signature
1	14 / 9 / 93	

HOUSEHOLD INFORMATION

[illegible]

FAP 17 SOCIO-ECONOMIC SURVEY  
HOUSEHOLD BASELINE SURVEY

Region	Village Co de	RA Co de	H/H Co de
NE	1 - 1	KA	MS64

Date of Completion	Supervisor's Signature
14 / 9 / 93	

## DATA ENTRY FORM : BL 02

## LAND & WATER BODY OWNERSHIP & OPERATION

### LAND/WATER BODIES OWNED & OPERATED

[illegible]

### LAND/WATER BODIES OWNED & OPERATED

[illegible]



## UPDATE FORM : UD 02

Region	Village Code	RA Initial	H/H Code
	—		,

Phase No.	Date of Completion	Supervisor's Signature
	/ /	

<b>HOUSING</b>		
<b>No. of Rooms</b>	<b>Ownership</b>	<b>Construction Type</b>

AGRICULTURAL & HOUSEHOLD ASSETS			
Add or Subtract + or -	Description of Assets	Nos.	Ownership (code)

Add or Subtract + or -	Description of Assets	Nos.	Ownership (code)

[illegible][illegible]



Region	Village Code	RA Initial	H/H Code
NE	1 - 1	KA	MS6A

Date of Completion	Supervisor's Signature
14 / 9 / 93	

HOUSING	No.of Rooms	Ownership	Construction Type
	2	1	11

AGRICULTURAL TOOLS	Nos.	Ownership (Code)
PLOUGH		
LADDER		
COMB		
WEEDER		
POWER TILLER		
THRESHER		

IRRIGATION EQUIPMENT	Nos.	Ownership (Code)
DTW		
STW		
LLP		
MANUAL PUMPS		
<b>SMALL INDUSTRY &amp; ARTISANAL EQUIPMENT</b>		
SEWING MACHINE		
LOOM		
POTTERY OVEN		
WORKSHOP		
SHOP		
RICE MILL		
DHEKI		

TRANSPORT	Nos.	Ownership (Code)
BICYCLE		
MOTORBIKE		
CART		
RICKSHAW		
PUSHVAN		
RICKSHAW VAN		

HOUSEHOLD GOODS		
RADIO		
CLOCK		
WATCH		

## POVERTY INDICATORS

[illegible]

From	To	From	To	From	To	TOTAL

১৭

Date of Completion	Supervisor's Signature
14 / 9 / 93	

## HOUSEHOLD ENTERPRISES

[illegible]

DATA ENTRY FORM : NF 01

Date of Completion

Supervisor's Signature

14 19 193

PHASE NO.:

—

Region	Village Code	RA Initials	Page No.
NE	1 - 1	KA	1

[illegible]









H/H CODE:		AU02																						
H/H HEADNAME:		MP, ENU MIAN																						
H/H Em/Act. SL.Nos.	Fish Culture Enterprise Code	H/H mem. involved SL.Nos.	Month Code	Fort night Code	Inputs				Fish Out				Credit		Labour									
					Stocking Species Code	Source Code	Input Type Code	Cost Tk.	Credit In Tk.	Type Code	Source Code	Harvest by Code	Buyer Code	Amount Minds.	Cash Income Tk.	Type Code	Non-Cash Income Code	Non-Cash Income Tk.	Credit Repay. Tk.	Type Code	Family M Days	F M Days	C M Days	Hired M Days
2	FC02(F)	1	1	✓	1	3	5	300													9			
2	FC02(F)	1	2	✓	1	3	5	200													10			
																					</			



Region	Mauza Name	Para/Village Name	FAP 17 Village Cluster Code	Village Code	In/Out
NC	Khurwar	Khurwar	NC-1	A	Out

RA Initials	Page No.
SA	2

HH SL No.		HOUSEHOLD HEAD		SOURCES OF HOUSEHOLD INCOME					Months with Fishing Income (nos.)	Total Land Owned (dec)	Fishing gear owned? (Y/N)	Any fish caught by hh members during year (Y/N)
RA Code	No.	Name	Father's/husband's name	Ranking of hh income from different sources								
				Farming	Fishing	Labour	Trade	Other				
SA	31	Abu Talib	Samsuddin	1	-	-	-	-	-	352	N	Y
SA	32	Radha Raman	Khoka Dallah	1	-	-	-	2	-	810	Y	Y
SA	33	Bishnu Pada Biss	Brendra Kumar	1	-	-	-	2	-	1000	N	N
SA	34	Badal Mollah	Nobu Mollah	-	2	1	-	-	3	0	Y	Y
SA	35	Abdul Kashid	Nobu Mollah	-	1	2	-	-	6	0	Y	Y
SA	36	Yusuf Ali	AKKas Ali	-	-	-	1	-	-	0	N	Y
SA	37	Rasid	Avai Chaman	2	-	-	-	1	-	66	N	N
SA	38	Sahab Ali	Gani	-	-	-	1	-	-	10	N	N
SA	39	Ataur Rahman	Gani	-	1	2	-	-	9	10	Y	Y
SA	40	Abul Kashim	Kanan Bissau	-	1	2	-	-	9	0	Y	Y
SA	41	Kashim	Imman	-	-	1	-	-	-	10	Y	Y
SA	42	Ahmad	Imman	-	-	1	-	-	-	3	Y	Y
SA	43	Fahim	Imman	-	1	2	-	-	12	2	Y	Y
SA	44	Ukail Mollah	Imman	1	-	-	-	2	-	255	Y	Y
SA	45	Jalal Mollah	Imman	1	-	-	-	2	-	300	Y	Y
SA	46	Muhibur Sikder	Muhibur	2	-	-	-	1	-	175	N	N
SA	47	Mannan Sikder	Do	2	-	-	-	1	-	150	N	N
SA	48	Kutub Mollah	Abbas	1	-	-	-	-	-	428	Y	Y
SA	49	Sanda Sikder	Tarbin Sikder	2	-	-	-	1	-	96	N	N
SA	50	Dancee	AKbar	-	-	1	-	2	-	10	Y	Y
	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	0											

OK  
BIG  
19.3.94

Office Use Only  
Date of data entry: / / 94  
Date of transcription: / / 94



## 4 CONSUMPTION SURVEY

### 4.1 List of Database Files

1. Information on 24-hrs Dietary Recall  
DIET.DBF
2. Information on 1st day's and 2nd day's Cooking and meal  
COOKING.DBF
3. Information on 'Fish' taken on 1st and 2nd day  
by the H/H (if known)  
DS\_FISH.DBF
4. Information on Eating of other fish by the family last week  
FM\_FISF.DBF
5. Information on Cooking oil on the 1st and 2nd days  
FUEL.DBF
6. Information on Food as wages taken by H/H members  
WAGE.DBF
7. Information on Nutritional value of Bangladeshi food items  
papers published by Helen Kellers, BD  
NUTOT.DBF
8. List of names of all Household heads  
HH\_NAMES.DBF

### 4.2 Structure of Databases

#### 4.2.1 Structure for database: DIET.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	PHASE	Numeric	1		N
4	DI_SL	Numeric	2		N
5	SDATE	Date	8		N
6	RELATION	Numeric	2		N
7	AGE	Numeric	3		N
8	AGE_MNTH	Character	1		N
9	SEX	Numeric	1		N

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Field	Field Name	Type	Width	Dec	Index
10	PLI_CODE	Numeric	1		N
11	INTAKE_1	Numeric	1		N
12	INTAKE_2	Numeric	1		N
13	PAGE	Numeric	2		N
14	FORM	Character	4		N
15	BATCH	Character	6		N
<b>** Total **</b>			<b>43</b>		

#### 4.2.2 Structure for database: COOKING.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	PHASE	Numeric	1		N
4	CK_1_2	Numeric	1		N
5	SDATE	Date	8		N
6	CK_ID	Numeric	2		N
7	NOS_CK	Numeric	1		N
8	MEALS	Character	1		N
9	ITEMNO	Numeric	2		N
10	ITEM	Character	15		N
11	SURPLUS	Character	1		N
12	MJ_INGR	Character	15		N
13	FOODCODE	Numeric	4		N
14	TOTWT	Numeric	5		N
15	PAGE	Numeric	1		N
16	FORM	Character	4		N
17	BATCH	Character	6		N
<b>** Total **</b>			<b>77</b>		

#### 4.2.3 Structure for database: DS\_FISH.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	PHASE	Numeric	1		N
4	SDATE	Date	8		N
5	DAY_1_2	Numeric	1		N
6	DSF_ID	Numeric	2		N
7	FISHCODE	Numeric	3		N
8	FISHNAME	Character	15		N
9	SIZE	Numeric	3		N
10	NUMBERS	Numeric	3		N
11	VALUE	Numeric	6	2	N

Field	Field Name	Type	Width	Dec	Index
12	WEIGHT	Numeric	4		N
13	SOURCE	Numeric	1		N
14	BROUGHT	Numeric	1		N
15	COUGHTBY	Character	15		N
16	COUGHT	Numeric	1		N
17	PAGE	Numeric	1		N
18	FORM	Character	4		N
19	BATCH	Character	6		N
<b>** Total **</b>			<b>85</b>		

#### 4.2.4 Structure for database: FM\_FISH.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	PHASE	Numeric	1		N
4	FM_SL	Numeric	2		N
5	SDATE	Date	8		N
6	SPECIES	Character	20		N
7	CODE	Numeric	3		N
8	DAYS	Numeric	2		N
9	SOURCE	Numeric	1		N
10	PAGE	Numeric	2		N
11	FORM	Character	4		N
12	BATCH	Character	6		N
<b>** Total **</b>			<b>59</b>		

#### 4.2.5 Structure for database: FUEL.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	PHASE	Numeric	1		N
4	FL_SL	Numeric	2		N
5	SDATE	Date	8		N
6	ITEM	Character	20		N
7	DAYS	Numeric	3		N
8	UNIT	Character	5		N
9	NUMBERON	Numeric	3		N
10	WEGHT	Numeric	5		N
11	FCODE	Numeric	4		N
12	LASTING	Numeric	2		N
13	QTY	Numeric	4		N
14	AV_QTY	Numeric	4		N



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Field	Field Name	Type	Width	Dec	Index
15	PAGE	Numeric	2		N
16	FORM	Character	4		N
17	BATCH	Character	6		N
<b>** Total **</b>			<b>83</b>		

#### 4.2.6 Structure for database: WAGE.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	HOME_YN	Character	1		N
4	PHASE	Numeric	1		N
5	WAGE1_2	Numeric	1		N
6	SDATE	Date	8		N
7	HH_MBR	Numeric	2		N
8	MEALS	Numeric	1		N
9	INGR1	Numeric	4		N
10	INGR2	Numeric	4		N
11	INGR3	Numeric	4		N
12	NO1	Numeric	2		N
13	UNIT1	Character	4		N
14	WT1	Numeric	4		N
15	NO2	Numeric	2		N
16	UNIT2	Character	4		N
17	GT2	Numeric	4		N
18	NO3	Numeric	2		N
19	UNIT3	Character	4		N
20	WT3	Numeric	4		N
21	PAGE	Numeric	1		N
22	FORM	Character	4		N
23	BATCH	Character	6		N
<b>** Total **</b>			<b>77</b>		

#### 4.2.7 Structure for database: NUTOT.DBF

Field	Field Name	Type	Width	Dec	Index
1	FCODE	Numeric	4		N
2	FDNAME	Character	40		N
3	BTNNAME	Character	25		N
4	BNGNAME	Character	24		N
5	REFUSE_G	Numeric	3		N
6	ENRGKCAL	Numeric	3		N
7	PROTING	Numeric	6	2	N
8	FATG	Numeric	6	2	N

Field	Field Name	Type	Width	Dec	Index
9	CLCUMMG	Numeric	4		N
10	IRONMG	Numeric	6	2	N
11	RBFLVNMG	Numeric	5	2	N
12	VITCMG	Numeric	6	2	N
13	RTEQUMCG	Numeric	5		N
<b>** Total **</b>			<b>138</b>		

#### 4.2.8 Structure for database: HH\_NAMES.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	HH_NAME	Character	25		N
4	HH_FNAME	Character	25		N
5	SHEET	Character	5		N
6	BATCH	Character	6		N
7	ENT_DATE	Date	8		N
<b>** Total **</b>			<b>79</b>		

#### 4.3 Description of Database Fields

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
DIET	1	IDCODE	C	5	0	Region + Village code as NC1-1, SW3-4
DIET	2	HH_SL	C	4	0	H/H No. (SR01)
DIET	3	PHASE	N	1	0	Round (1)
DIET	4	DI_SL	N	2	0	SI No.(1,2,3..)
DIET	5	SDATE	D	8	0	Date (21-09-93)
DIET	6	RELAT	N	2	0	Relation with H/H head
DIET	7	AGE	N	3	0	Age (year 40)
DIET	8	AGE_M	C	1	0	Age category M=month
DIET	9	SEX	N	1	0	Sex code (1 or 2)
DIET	10	PLI_C	N	1	0	Pregnant/lactating infant
DIET	11	INTAK	N	1	0	Intake(code) (1st day)
DIET	12	INTAK	N	1	0	Intake(code) (2nd day)

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
DIET	13	PAGE	N	2	0	Page (1)
DIET	14	FORM	C	4	0	Used for batch control
DIET	15	BATCH	C	6	0	Used for batch control
COOKING	1	IDCOD	C	5	0	Region + Village code
COOKING	2	HH_SL	C	4	0	Household code
COOKING	3	PHASE	N	1	0	Which round data
COOKING	4	CK_1_	N	1	0	Cooking & meal 1st & 2nd days
COOKING	5	SDATE	D	8	0	Survey date
COOKING	6	CK_ID	N	2	0	Used for record control
COOKING	7	NOS_C	N	1	0	No. of cookings
COOKING	8	MEALS	C	1	0	No. of meals
COOKING	9	ITEMN	N	2	0	Item no.
COOKING	10	ITEM	C	15	0	Item name.
COOKING	11	SURPL	C	1	0	Surplus (rice)
COOKING	12	MJ_IN	C	15	0	Major ingredients (arum)
COOKING	13	FOODC	N	4	0	Food code (109,959)
COOKING	14	TOTWT	N	5	0	Total weight (gm)
COOKING	15	PAGE	N	1	0	Used for batch control
COOKING	16	FORM	C	4	0	Used for batch control
COOKING	17	BATCH	C	6	0	Used for batch control
DS_FISH	1	IDCOD	C	5	0	Region + Village code
DS_FISH	2	HH_SL	C	4	0	Household code
DS_FISH	3	PHASE	N	1	0	Which round
DS_FISH	4	SDATE	D	8	0	Survey date
DS_FISH	5	DAY_1_2	N	1	0	Which days data (1 Or 2)



<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
DS_FISH	6	DSF_ID	N	2	0	Used for record control
DS_FISH	7	FISHCODE	N	3	0	Fish code
DS_FISH	8	FISHNAME	C	15	0	Name of fishes
DS_FISH	9	SIZE	N	3	0	Size
DS_FISH	10	NUMBERS	N	3	0	Number
DS_FISH	11	VALUE	N	6	2	Value (Tk)
DS_FISH	12	WEIGHT	N	4	0	Weight (gm)
DS_FISH	13	SOURCE	N	1	0	Source
DS_FISH	14	BROUGHT	N	1	0	If bought where from
DS_FISH	15	COUGHTBY	C	15	0	Who caught
DS_FISH	16	COUGHT	N	1	0	Where
DS_FISH	17	PAGE	N	1	0	Used for record control
DS_FISH	18	FORM	C	4	0	Used for record control
DS_FISH	19	BATCH	C	6	0	Used for batch control
FM_FISH	1	IDCODE	C	5	0	Region + Village
FM_FISH	2	HH_SL	C	4	0	Household code
FM_FISH	3	PHASE	N	1	0	Which round data
FM_FISH	4	FM_SL	N	2	0	Used for record control
FM_FISH	5	SDATE	D	8	0	Survey date
FM_FISH	6	SPECIES	C	20	0	Name of fish
FM_FISH	7	CODE	N	3	0	Fish code
FM_FISH	8	DAYS	N	2	0	No. of days
FM_FISH	9	SOURCE	N	1	0	Source
FM_FISH	10	PAGE	N	2	0	Used for batch control
FM_FISH	11	FORM	C	4	0	Used for batch control

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
FM_FISH	12	BATCH	C	6	0	Used for batch control
FUEL	1	IDCODE	C	5	0	Region + Village
FUEL	2	HH_SL	C	4	0	House hold code
FUEL	3	PHASE	N	1	0	Which round data
FUEL	4	FL_SL	N	2	0	Used for record control
FUEL	5	SDATE	D	8	0	Survey date
FUEL	6	ITEM	C	20	0	Musterd oil, other oil
FUEL	7	DAYS	N	3	0	How many days ago did you
FUEL	8	UNIT	C	5	0	Purchased quantity unit
FUEL	9	NUMBERON	N	3	0	Purchased quantity number
FUEL	10	WEGHT	N	5	0	Weight (gm)
FUEL	11	FCODE	N	4	0	Food code
FUEL	12	LASTING	N	2	0	How many days lasts
FUEL	13	QTY	N	4	0	Qty used for cooking
FUEL	14	AV_QTY	N	4	0	Average oil used
FUEL	15	PAGE	N	2	0	Used for batch control
FUEL	16	FORM	C	4	0	Used for batch control
FUEL	17	BATCH	C	6	0	Used for batch control
WAGE	1	IDCODE	C	5	0	Region+village code
WAGE	2	HH_SL	C	4	0	Household code
WAGE	3	HOME_YN	C	1	0	Bring home cooked food ?y/n
WAGE	4	PHASE	N	1	0	Which round ?
WAGE	5	WAGE1_2	N	1	0	Data for 1st or 2nd day
WAGE	6	SDATE	D	8	0	Survey date
WAGE	7	HH_MBR	N	2	0	Household member

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
WAGE	8	MEALS	N	1	0	No.of meals
WAGE	9	INGR1	N	4	0	Ingredient code 1
WAGE	10	INGR2	N	4	0	Ingredient code 2
WAGE	11	INGR3	N	4	0	Ingredient code 3
WAGE	12	NO1	N	2	0	Number 1
WAGE	13	UNIT1	C	4	0	Unit 1
WAGE	14	WT1	N	4	0	Weight 1
WAGE	15	NO2	N	2	0	Number 2
WAGE	16	UNIT2	C	4	0	Unit 2
WAGE	17	GT2	N	4	0	Weight 2
WAGE	18	NO3	N	2	0	Number 3
WAGE	19	UNIT3	C	4	0	Unit 3
WAGE	20	WT3	N	4	0	Weight 3
WAGE	21	PAGE	N	1	0	Used for batch control
WAGE	22	FORM	C	4	0	Used for batch control
WAGE	23	BATCH	C	6	0	Used for batch control
NUTOT	1	FCODE	N	4	0	Food code
NUTOT	2	FDNAME	C	40	0	Food name
NUTOT	3	BTNNAME	C	25	0	Botanical name
NUTOT	4	BNGLNAME	C	24	0	Bengali name
NUTOT	5	REFUSE_G	N	3	0	Refuge
NUTOT	6	ENRGKCAL	N	3	0	Energy in calorie
NUTOT	7	PROTING	N	6	2	Protiens
NUTOT	8	FATG	N	6	2	Fat
NUTOT	9	CLCUMMG	N	4	0	Calcium



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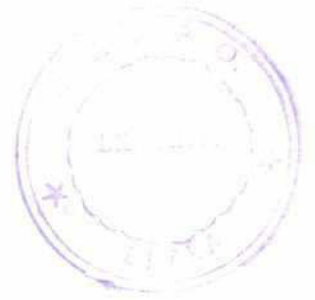
<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
NUTOT	10	IRONMG	N	6	2	Iron
NUTOT	11	RBFLVNMG	N	5	2	Riboflobin
NUTOT	12	VITCMG	N	6	2	Vitamin C
NUTOT	13	RTEQUMCG	N	5	0	
HH_NAMES	1	IDCODE	C	5	0	Region + Village code
HH_NAMES	2	HH_SL	C	4	0	Household code
HH_NAMES	3	HH_NAME	C	25	0	Name of household head
HH_NAMES	4	HH_FNAME	C	25	0	H/H's Father's name
HH_NAMES	5	SHEET	C	5	0	Used for batch control
HH_NAMES	6	BATCH	C	6	0	Used for batch control
HH_NAMES	7	ENT_DATE	D	8	0	Used for batch control

#### 4.4 Description of Codes

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IDCODE	VILL	NO	NAME
NC1-1		1	Jhikutia
NC1-2		2	Kutirhat
NC1-3		2	Ujanpara
NC2-1		3	Ashapur
NC2-2		4	Zabra
NC3-1		5	Jagannathpur
NC3-2		6	Bhatara
NC3-3		7	Dwimukha
NC4-1		8	Durgapur
NC4-2		9	Diabari
NC4-3		9	Gopalpur
NW1-1		21	Boalia
NW1-2		22	Ahmedpur
NW2-1		23	Phechuan
NW2-2		24	Sonatala
NW2-3		25	Talot
NW3-1		26	Durgapur
NW3-2		27	Jagendranagar
NW4-1		28	Krishnanagar
NW4-2		29	Bildahar
NE1-1		10	Mirpur
NE1-2		11	Kadipur
NE1-3		12	Gayghar
NE2-1		13	Nishchintapur
NE2-2		14	Shahpur
NE2-3		15	Sadipur
NE3-1		16	Akhtapara
NE3-2		17	Harinagar
NE3-3		18	Doradhar
NE4-1		19	Mahmudpur
NE4-2		20	Chandpur
NE4-3		20	Enaetnagar
SW1-1		30	Gopalsen
SW1-2		31	Poysa
SW1-3		32	Chandtrisira
SW2-1		33	Gachapara
SW2-2		34	Uttarpara (Gachapara)
SW2-3		34	Bagan Uttarpara
SW2-4		35	Kauria
SW3-1		36	Kafurpur
SW3-2		37	Saraibari
SW4-1		38	Pathankandi
SW4-2		39	Kutibari



## FCODE FDNAME

## BNGLNAME

100 CEREALS  
 101 BARLEY (WHOLE)  
 102 MAIZE/CORN (IMMATURE)  
 103 MAIZE (MATURE)  
 104 MILLET (FRENCH)  
 105 MILLET (PEARL)  
 106 RICE (FRIED PADDY  
 107 RICE HUSK/BRAN  
 108 RICE PARBOILED (HUSKED)  
 109 RICE PARBOILED (MILLED)  
 110 RICE SUNNED (HUSKED)  
 111 RICE SUNNED (MILLED)  
 112 RICE (FLATTEND)  
 113 RICE (PUFFED)  
 114 SEMOLINA  
 115 SORGHUM  
 116 VERMICELL  
 117 WHEAT (WHOLE)  
 118 WHEAT FLOUR (COARES)  
 119 WHEAT FLOUR (REFIEND)  
 200 PULSES & LEGUMES  
 201 BIAN (FIELD)  
 202 BENGAL GRAM (WHOLE)  
 203 BENGAL GRAM (SPLIT)  
 204 BENGAL GRAM (FRIED)  
 205 BLACK GRAM (SPLIT)  
 206 GREEN GRAM (WHOLE)  
 207 GREEN GRAM (SPLIT)  
 208 KHESARIDAL  
 209 LENTILS  
 210 PEAS DRIED/SPLIT  
 211 PEAS FRIED  
 212 RED GRAM/RAHAR (SPLIT)  
 213 SOYABEAN  
 300 GREEN VEGETABLES  
 301 AGATHI  
 302 AMARANTH (DATA) LEVELS  
 303 AMARANTH LEVELS (TENDER)  
 304 AMARANTH (RED LEAF VAR.)  
 305 AMARANTH (SPINEY)  
 306 BATHUA LEAVES  
 307 BEET LEAVES  
 308 BOTTLEGOURD LEAVES  
 309 CABBAGE  
 310 CARROT LEAVES  
 311 CAULIFLOWER LEAVES  
 312 CELERY LEAVES  
 313 CHUKAILEAVES  
 314 CORIANDER LEAVES  
 315 COWOEAL EAVES  
 316 DRUMSTICK LEAVES  
 317 FENUGREEK LEAVES  
 318 FOLWAL LEAVES  
 319 GRAM LEAVES  
 320 HELENCHAL EAVES  
 321 INDIAN SPINACH  
 322 JUTE PLANT TOPS  
 323 KHESHARILEAVES  
 324 KOLMEE LEAVES  
 325 LETTUCE  
 326 MESTAL EAVES  
 327 MUSTRAD LEAVES

SHASSWO JATIO Khabar  
 JAAB  
 BHUTTA (KOCHI)  
 BHUTTA (PAKA)  
 CHEENA/BHUIRO  
 BAZRA  
 KHOI  
 CHALER KURA  
 SHIDDHA CHAL DHEKICHATA  
 SHIDDHA CHAL COLACHATA  
 ATOP CHAL DHEKI CHATA  
 ATOP CHAL COLE CHATA  
 CHIRA  
 MOORI  
 SUZI  
 JUAR  
 SHEMI  
 GAAM  
 ATTA  
 MAIDA  
 DAL JATIO Khabar  
 SHIMER BICHI  
 CHOLA  
 CHOLA DAL  
 CHOLA BHAJA  
 MASHKALIDAL  
 MUG (ASTA)  
 MUGDAL  
 KHESHARIDAL  
 MASHURDAL  
 MATAR (SHUKANA)/DAL  
 MATAR BHAJA  
 AROHORDAL  
 GARIKALAI  
 SHAKPATA  
 BAUKFULSHAK  
 DATASHAK  
 NAUTE SHAK  
 LALASHAK  
 KANTA NAUTE  
 BATHUA/BETOSHAK  
 BEET SHAK  
 LAUSHAK  
 BHADAKOPI  
 GAJOR SHAK  
 FUL KOPI  
 RANDHUNI SHAK  
 CHUKAI SHAK  
 DHANI SHAK  
 BORBOTIPATA  
 SHAZNA SHAK  
 METHI SHAK  
 POTOLPATA  
 CHOLASHAK  
 HELLENCHA  
 PUI SHAK  
 PAT SHAK  
 KHESREE SHAK  
 KOLMEE SHAK  
 LETUCE/SALADPATA  
 MESTAPATA  
 SHARISHA SHAK

328 NEEMLEAVES  
 329 NEEM LEAVES, YELLOW (RIPE)  
 330 POTATOLEAVES  
 331 MINTLEAVES  
 332 PUMPKIN LEAVES  
 333 PUNORNOVALEAVES  
 334 RADISH LEAVES  
 335 SAFFLOWERLEAVES  
 336 SOYABEANLEAVES  
 337 SPINACH  
 338 SPINACH SOUR  
 339 SWEET POTATOLEAVES  
 340 TAMARIND LEAVES (GREEN)  
 341 TAMARINDLEAVES  
 342 TARO/ARUMLEAVES (DRIED)  
 343 TARO/BLACKARUMLEAVES  
 344 TARO/GREENARUMLEAVES  
 345 THANKUNILEAVES  
 346 TURNIPLEAVES  
 400 ROOTS & TUBERS  
 401 BEET ROOT  
 402 CARROT  
 403 GARLIC  
 404 GROUND POTATO  
 405 OLEKOPI  
 406 ONION  
 407 POTATO  
 408 RADISH  
 409 SWEET POTATO  
 410 TARO/ARUM  
 411 TARO/ARUM TUBERS  
 412 TURNIP  
 413 YAM (ELEPHANT)  
 414 YAM (WILD)  
 500 VEGETABLES  
 501 AMARANTH (DATA) STEM  
 502 AUBERGINE/EGGPLANT  
 503 BEAN  
 504 BEAN (BROAD)  
 505 BEAN (FRENCH)  
 506 BEAN (IMMATURE)  
 507 BEAN (RED)  
 508 CABBAGE  
 509 CAULIFLOWER  
 510 CHILLI (GREEN)  
 511 COWPEA  
 512 CUCUMBER  
 513 DRUMSTICK/HORSERRADISH  
 514 DRUMSTICK FLOWER  
 515 FIG (RED)  
 516 FOLWAL/POTOL  
 517 GOURD (ASH)  
 518 GOURD (BITTER)  
 519 GOURD (BOTILE)  
 520 GOURD (RIDGE)  
 521 GOURD (SMALL BITTER)  
 522 GROUND (SNAKE)  
 523 GROUND (SWEET) / PUMPKIN  
 524 GRAM (RED, UNRIPE)  
 525 JACKFRUIT (IMMATURE)  
 526 KAKROL  
 527 KOLMEE  
 528 LADY'S FINGER/OKRA  
 529 MANGO (GREEN/IMMATURE)

NIMPATA  
 NIMPATA (PAKA)  
 GOOL ALO SHAK  
 PUDINAPATA  
 MISHTIKUMRA SHAK  
 PUNORNOVA SHAK  
 MULAPATA  
 KUSHUM SHAK  
 GOURIKALAIPATA  
 PALONG SHAK  
 TAKPALONG SHAK  
 MISHTIALOOSHAK  
 TETULPATA (KOCHI)  
 TETULPATA (SHUKNA)  
 KOCHUSHAK (SHUKNA)  
 KALOKOCHU SHAK  
 SHABUZZKOSHISHK  
 THANKUNIPAT  
 SHALGOMPATA  
 MULL JATIO Khabar  
 BEET  
 GAJOR  
 RASHON  
 METE ALOO  
 OLEKOPI  
 PEYJ  
 GOLEALOO  
 MULA  
 MISHTIALOO  
 KACHU  
 KACHUMUKHEE/CHORA  
 SHALGOM  
 OLEKOCHU  
 BONN ALOO  
 SHOBI  
 DATA  
 BRINJALBEGUN  
 SHIM  
 MAKHONSHIM  
 FORASHEESHIM  
 SHEEM (KOCHI)  
 LAL SHEEM  
 BADHAKOPI  
 FULKOPI  
 KACHA MARICH  
 BORBOTI  
 SHOSHA  
 SHAZNA DATA  
 SHAJNA FUL  
 DUMUR (LAL)  
 POTOL  
 CHAL KUMRA  
 KOROLA  
 LAU  
 JHINGA  
 UCHCHE  
 CHICHINGA  
 MISHTICUMRA  
 AROHOR (KACHA)  
 AANCHAR/KACHA  
 KAKROL  
 KOLMEEDATA  
 DHEROSH  
 KACHA AM



530 MARROW  
 531 ONION & GARLIC STALK  
 532 PAPAYA (GREEN IMMATURE)  
 533 PEAS (GREEN)  
 534 PLANTAIN  
 535 PLANTAIN FLOWER  
 536 PLANTAIN STEM  
 537 PUMPKINFLOWER  
 538 SPINACHSTALKS  
 539 TOMATO (GREEN)  
 540 WATERLILY STEM (RED)  
 541 WATERLILY STEM (WHITE)  
 542 YAMSTEM  
 600 OIL SEEDS  
 601 CASHEWNUTH  
 602 CHILGOZA NUT  
 603 COCONUT (DRY)  
 604 COCONUT (IMMATURE)  
 605 GROUND NUT/PEANUT  
 606 GROUND NUT/PEANUT (FRIED)  
 607 LIN SEED  
 608 MUSTARD  
 609 NUTS  
 610 OILS MUSTARD ETC  
 611 PISTACHIO  
 612 SUNFLOWER SEEDS  
 613 SESAME  
 614 WALL NUT  
 700 SPICES & CONDIMENTS  
 701 CARDAMOM  
 702 CHILLI, RED (RED)  
 703 CLOVES (DRY)  
 704 CORIANDER  
 705 CUMIN SEED  
 706 FENUGREEK  
 707 GINGER  
 708 LEMON/LIME PEEL  
 709 MACE  
 710 MIXED SPICES  
 711 MIXED SPICES (HOT)  
 712 NUT MEG  
 713 OMUM  
 714 PEPPER (BLACK)  
 715 TURMERIC  
 800 FRUTS  
 801 AMBADA (HOGPLUM)  
 802 AMLA  
 803 APPLE  
 804 APRICEOT (BOILED)  
 805 APRICOT (DRY)  
 806 BAKUL FLOWER  
 807 BANANA  
 808 BILIMBI  
 809 BLACKBERRY (INDIAN)  
 810 BROI (BITER PLUM)  
 811 BREADFRUIT  
 812 BULLOCKS HEART  
 813 CUSTARD APPLE  
 814 COCONUT MILK  
 815 DATES  
 816 DATES (DRY)  
 817 FIG (RIPE)  
 818 GUAVA  
 819 GRAPES

DHUNDUL  
 PEYAZ & RASHUN DAGAPATA  
 KACHA PEPE  
 MOTOR SHOOTI  
 KACHA KOLA  
 KOLAR MOCHA  
 KOLAR THORE  
 MISTIKUMRA FUL  
 PALONG DATA  
 TOMATO (KACHA)  
 SHAPLA (LAL)  
 SHAPLA (SHADA)  
 KOCHU DATA/LATI  
 TOILO BIJ  
 HIZLEE BADAM  
 CHILGOZA  
 NARICALI (SHUKNA)  
 NARICALI (KACHA)  
 CHINA BADAM  
 CHINA BADAM (BHAZA)  
 TISHI  
 SHARISHA  
 BADAM  
 TOILA  
 PESTA  
 SURZO MUKHI BIJ  
 TIL  
 AKHROT  
 MOSHOLLA  
 ALACHI  
 SHUKNAMORICH  
 LOBONGO (SHUKNA)  
 DHONIA  
 ZIRA  
 METHI  
 ADA  
 LEBUR KHOSHA  
 JOYOTREE  
 MISHTI MASHLA  
 GOROM MOSHOLLA  
 ZAIFUL  
 ZAOAN  
 GOLE MORICH  
 HOLLDE  
 PHOL  
 AMRA  
 AMLOKI  
 APEL  
 KHUBANEE (SHIDDHO)  
 KHUBANEE (SHUKNA)  
 BAKUL PHUL  
 PAKA KOLA  
 KAMRANGA  
 KALO JAM  
 BOROI  
 MADAR  
 NONA ATA  
 ATAFOL  
 DABAR PANI  
 KHEZUR (TAZA)  
 KHEZUR (SHUKNA)  
 DUMUR (PAKA)  
 PEYARA  
 ANGUR



820 JACK FRUIT (RIPE)  
 821 KHEERA  
 822 KOTBEL (IMMUTURED)  
 823 KOTBEL (RIPE)  
 824 KUSHUM FRUIT  
 825 LEMON  
 826 LEMON  
 827 LECIS  
 828 LIME  
 829 LIME (SWEET)  
 830 MUHUA (RIPE)  
 831 MANGO (RIPE)  
 832 MELON  
 833 NEEM FRUIT  
 834 OLIVE (WILD)  
 835 ORANGE  
 836 ORANGE JUICE  
 837 ORANGE/MANDARIN  
 838 PALM, PALMYRA (GREEN)  
 839 PALM (RIPE)  
 840 PAPAYA (RIPE)  
 841 PEARS  
 842 PHALSA  
 843 PINEAPPLE  
 844 PINEAPPLE (WILD VAR)  
 845 POMEGRANATE JUICE  
 846 POMEGRANATE  
 847 POMMELO (RE)  
 848 ROSE APPLE  
 849 TAMARIND (IMMATURE)  
 850 TAMARIND (PULP)  
 851 TETUL (BILATI)  
 852 TOMATO (RIPE)  
 853 WOOD APPLE  
 854 WATERMELON  
 900 FISH  
 901 AIRE FISH  
 902 BACHA FISH  
 903 BATA FISH  
 904 BELE FISH/POA  
 906 BETRONGIFISH  
 907 BHANGON (FRESH)  
 908 BHANGON (DRIED)  
 909 VANGON (POWDERED)  
 910 BHETKI (FRESH)  
 911 BHETKI (DRIED)  
 912 BOAL  
 913 BLACKFISH/BAHO  
 914 BOICHA FISH  
 915 BREAM (SEA, FRESH)  
 916 BREAM (SEA, DRIED)  
 917 BUTTER FISH  
 918 CARP  
 919 CAT FISH  
 920 CHAPILA (FRESH)  
 921 CHAPILA (DRIED)  
 922 CLIMBING FISH (KOI)  
 923 CRABS  
 924 DRAGON FISH  
 925 EEL FISH  
 926 FESHAFISH (FRESH)  
 927 FESHAFISH (DRIED)  
 928 FISHMEAL  
 929 FLAT FISH

PAKA KATHAL  
 KHEERA  
 KOTBEL (KACHA)  
 KOTBEL (PAKA)  
 KUSHUM FUL  
 KAGOGEE LEBU  
 MISHTI LEBU  
 LECHU  
 LEBU  
 MUSHAMBEE  
 MOHUA FUL  
 PAKA AM  
 BANGEE  
 NEEM PHOL  
 JAL PAI  
 MALTA  
 KOMOLAR ROSH  
 KOMOLA  
 KOCHI TAL  
 PAKA TAL  
 PAKA PEPE  
 NASHPATEE  
 FOLSHA  
 ANAROSH (JOLDUGEE)  
 ANAROSH (DESHEE)  
 BEDAANARASH  
 BEDANA (BICHISHOHO)  
 ZAMBURA (LAL)  
 ZAMRUL  
 TETUL (KACHA)  
 TETUL (PAKA)  
 BELATEE TETUL  
 PAKA TOMETO  
 BEL  
 TARMUZ  
 MACH  
 AIRE  
 BACHA  
 BATA (CHOTO)  
 BELE/POA  
 BETRONGIMACH  
 VANGON (TAZA)  
 VANGON (SHUKNA)  
 VANGON (BATA)  
 VETKEE (TAZA)  
 VETKEE (SHUKNA)  
 BOAL  
 KALIBAUSH  
 BOICHAMACH  
 CHOMPA (TAZA)  
 CHOMPA (SHUTKI)  
 PABDA  
 KATLA  
 MOHASHOLE  
 CHELA (TAZA)  
 CHELA (SHUKNA)  
 KOI/TELAPIA  
 KAKRA  
 PANGASH  
 BAM  
 FESHA (TAZA)  
 FESHA (SHUKNA)  
 GURA (SHUKNA)  
 CHITOL

930 FOLUI  
 931 FRY (V.SMALL FRESH)  
 932 GAHIRA FISH  
 933 GURA FISH  
 934 HILSHA FISH  
 935 HILSHA (SALTED)  
 936 KHALSHE FISH  
 937 LOTA FISH  
 938 MAGUR  
 939 MAGUR (DRIED)  
 940 MOLA FISH  
 941 MRIGAL  
 942 MULLET  
 943 PARSHEE FISH (DRIED)  
 944 PARSHEE FISH (FRESH)  
 945 PATA FISH (DRIED)  
 946 POMFRET (BLACK)  
 947 POMFRET (WHITE)  
 948 POMFRET (SMALL)  
 949 PRAWNS WHOLE (DRIED)  
 950 PRAWN (DRY)  
 951 PUMPLATE (SEA FISH)  
 952 REBBON FISH  
 953 REBBON FISH (DRIED)  
 954 ROHU  
 955 SALMON  
 956 SARPUTI  
 957 SCORPION FISH  
 958 SHARK  
 959 SHRIMP  
 960 SILVER FISH  
 961 SOLE  
 962 TAPSE (DRIED)  
 963 TENGRA (FRESH)  
 964 TENGRA (DRIED)  
 965 WHITE FISH (DRIED)  
 966 WHITE FISH (FRESH)  
 1000  
 1001 BEEF  
 1002 BEEF (BUFFALO)  
 1003 CHICKEN  
 1004 DUCK  
 1005 GOAT  
 1006 LIVER (GOAT)  
 1007 LIVER (MUTTON)  
 1008 MUTTON (LAMB)  
 1009 PIGEON  
 1010 PORK  
 1011 SNAILS (SMALL)  
 1012 SNAILS (LARGE)  
 1013 TURTLE  
 1100 EGGS  
 1101 DUCK EGG  
 1102 HENEGG  
 1200 MILK & MILK PRODUCTS  
 1201 BAFFALO MILK SOLIDS  
 1202 BUTTER-MILK  
 1203 CHEESE  
 1204 COW MILK SOLIDS  
 1205 CURD  
 1206 HUMAN/BREAST MILK  
 1207 MILK (CONDENSED)  
 1208 POWDERED MILK (SKIM, COW)  
 1209 POWDERED MILK (WHOLE, COW)

FOLI/MENI  
 PUTI  
 GAHIRA MACH  
 GURA MACH  
 ILISH MACH  
 NONA ILISH  
 KHALISHA  
 LOTA  
 MAGUR  
 MAGUR (SHUKNA)  
 MOLA MACH  
 MRIGALE/NILOTIKA  
 AINE  
 PARSHEE (SHUKNA)  
 PARSHEE (TAZA)  
 PATA MACH (SHUKNA)  
 CHANDA (KALO)  
 CHANDA (SHADA)  
 CHANDA MACH (CHOTO)  
 GOODA CHINGREE (SHUKNA)  
 CHINGREE SHUTKEE  
 PUMPLATE  
 RUPA PATIA  
 RUPA PATIA (SHUKNA)  
 RUEE  
 DAINBORO SHILONG  
 SHORPUTI  
 SHINGI  
 HANGOR  
 CHINGREE  
 BASHPATA  
 SHULE  
 TAPOSHEE (SHUKNA)  
 TENGRA (TAZA)  
 TENGRA (SHUKNA)  
 KHOIRA (SHUKNA)  
 KHOIRA (TAZA)  
 MANGSHAW  
 GORUR MANGSHAW  
 MOHISHER MANGSHAW  
 MURGEE  
 HASHER MANGSHAW  
 KHASHEER MAMGSHAW  
 KHASHEER KOLIZA  
 VERAR KOLIZA  
 VERAR MANGSHAW  
 KOBUTORER MANGSHAW  
 SHUKORER MANGSHAW  
 SHAMUK (CHOTO)  
 SHAMUK (BARO)  
 KOCHCHOP/JAGOL  
 DIM  
 HASHER DIM  
 MURGEER DIM  
 DUDH-DUGDHA JATIO Khabar  
 MOHISHER DUDHER SANA  
 GHOLE  
 PANIR  
 GORUR DUDHER SANA  
 DOI  
 MAYER DUDH  
 KHEER  
 MAKHON TOLA GURA DUDH  
 GURA DUDH (GORUR)



1210 SKIM-MILK (LIQUID)	MAKHON TOLA DUDH (TAR)
1211 WHOLE MILK (BUFFALO)	MOHISHER DUDH
1212 WHOLE MILK (COW)	GORUR DUDH
1213 WHOLE MILK (GOAT)	SAGOLER DUDH
1214 YOGURT (BUFFALO)	KHOYA (MOHISHER DUDH)
1215 YOGURT (BUFF, SKIM MILK)	KHOYA (MAKONTOLA)
1216 YOGURT (COW)	KHOYA (GORUR DUDH)
1300 FATS & EDIBLE OILS	TOILO
1301 BUTTER (US IMPORTED)	MAKHON
1302 COOKING (GROUNDNUT, GINGELLY, MUSTARD, ETC)	TOILO
1303 FISH LIVER OIL	MACH KOLIZA TOILO
1304 GHEE (BUFFALO)	GHEE (MOHISHER)
1305 GHEE (COW)	GHEE (GORUR)
1306 GHEE (VEGETABLE)	BONOSH PATI
1400 MISCELLANEOUS	BIBIDHA
1401 BETEL/ARECA NUT	SHUPAREE
1402 BETEL LEAVES	PAN PATA
1403 BISCUIT (SALTED)	NONTA BISKUT
1404 BISCUIT (SWEET)	MISHTI BISKUT
1405 BREAD (BROWN)	RUTI (BADAMEE)
1406 BREAD (LOAF)	PAURUTI
1407 BREAD (WHITE)	RUTI (SHADA)
1408 COCONUT MILK	NARIKKALER DUDH
1409 DATE JUICE	KHEJUR RASH
1410 HONEY	MODHU
1411 JACKFRUIT SEED	KATHALARE BICHI
1412 LOTUS SEEDS (DRY)	KHOYARE
1413 LOTUS SEEDS (RIPE)	PODDO GOTA (SHUKNA)
1414 LOTUS SEED (GREEN)	PORIPOKKO SOBUJ
1415 MAHUA FLOWER	MOHUAFUL
1416 MAKHANA	MAKHANA
1417 MOLASSES	AKHER GUR
1418 MOLASSES (DATE)	KHEJUR GUR
1419 OIL CAKES (GROUND NUT)	KHOIL (CHINA BADAMER)
1420 PAPPADOM	PAPOR
1421 PICKLES	AMCHUR
1422 POPPY SEED	POSTO DANA
1423 PUMPKIN/SWEET GOURD SEED	KUMRAR BICHI
1424 SAGO	SHABU
1425 SUGAR	CHINI
1426 SUGAR CANDY	MISRI
1427 SUGAR CANE JUICE	AKHER ROSH
1428 TAMARIND SEED (DRIED)	TETULARE BECHIR SAS BA
1429 TODDY (FERMENTED)	TARI
1430 WATER CHESTNUT	PANI FOL

#### 4.5 Copies of Survey Forms



2p2

# FLOOD ACTION PLAN 17

## 24 Hours Dietary Recall

RA CODE	MS
Date	25.01.94
Round	2

Region	NE
Village code	2-2
H/H No.	KA-08

Page

1

1. Name of H/H Head	Makhon Biswas
2. Respondent Name	Dipti Rani
3. Status in Family	6

### 4. Information on H/H member:

Sl No.	H/H member and guest name	Relation with H/H head	Age		Sex Code	Pregnant/lactating/infant (code)	Intake (code)	
			Years	Months (<5 years only)			1st day	2nd day
1	Makhon Biswas	1	50		1		3	3
2	Sotto Bala	2	35		2	2	3	3
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

#### \*Note

- Record age in years to the nearest birth date.
- Exclude breastfed babies less than six months old.
- Record age in months for infants and children from 6 months up to 5 years old.
- If any one is not a permanent resident, indicate whether she/he is a visitor/day labourer etc. in the second column.

#### Sex Code

- Male
- Female
- Pregnant
- Lactating
- Infant

#### Intake

- One time
- Two times
- Three times

a. How many times do you cook today ?

11/11/2019

[illegible]

Information on fish taken on 1st day by the H/H (if known):

Sl. No	Name of species	Size	Number	Value (Tk)	Weight (gm)	Source	If bought where from	If caught	
								who caught	where
1	Pomfret	1"			50	2	1		
2	Shrimp	1.5"			100	2	1		
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Source—

☐

1. Caught

☐

2. Bought

☐

3. Previous cooked

☐

4. Gift

☐

5. Others

Bought—

☐

1. Local hat

☐

2. Large hat

☐

3. Thana Bazar

☐

4. Other bazar  
(Mention specifically)

☐

5. Hawker

☐

6. Direct fishermen

☐

7. Others (mention)

Caught—

☐

1. River

☐

2. Canal

☐

3. Beel/Haor

☐

4. Floodplain

☐

5. Pond

☐

6. Other catch field (mention)



Did any of your H/H members take food as wages on 1st day ?

Page

4

114

1. Yes    2. No

If yes:—

[illegible]

Did any of your H/H members bring home cooked food which he received as wages ?

1. Yes    2. No

If yes: —

[illegible]

a. How many times do you cook today ?

1000

[illegible]

Information on fish taken on 2nd day by the H/H (if known) :

Sl. No	Name of species	Size	Number	Value (Tk)	Weight (gm)	Source	If bought where from	If caught	
								who caught by	where
1	Chapila	2.5"			250	2	1		
2	Shrimp	1.5"			59	2	1		
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Source—

☐

1. Caught

☐

2. Bought

☐

3. Previous cooked

☐

4. Gift

☐

5. Others

Bought—

☐

1. Local hat

☐

2. Large hat

☐

3. Thana Bazar

☐

4. Other bazar  
(Mention specifically)

☐

5. Hawker

☐

6. Direct fishermen

☐

7. Others (mention)

Caught—

☐

1. River

☐

2. Canal

☐

3. Beel/Haor

☐

4. Floodplain

☐

5. Pond

☐

6. Other catch field (mention)

Did any of your H/HI members take food as wages on 2nd day ?

Page

11

1. Yes    2. No

If yes:—

Did any of your H/H members bring home cooked food which he received as wages on 2nd day ?

1. Yes    2. No

If yes:—

Code No of H/H member	No. of meals	Major ingredients in each meal and food codes						Amount of major ingredients (local measurements & grams)								
		Ingredient	Code	Ingredient	Code	Ingredient	Code	No.	Unit	grams	No.	Unit	grams	No.	Unit	grams



Did you use any cooking oil over the last 2 days ?

☐

1. Yes 2. No

If yes : -

Item	How many days ago did you buy oil ?	Purchased quantity			Food Code	How many day will this oil last ?	Quantity used for cooking	Average amount of oil used daily for cooking (grams)
		Unit	Number	grams				
Mustard Oil	3	chatak	2	117	1302	4	100	25
Other Oil								
Animal Fat								

Did your family eat any other fish over the last week (excluding 2 days of nutrition monitoring) ?

☐

If yes : -

Sl.No.	Species	Code No.	No.of days eaten	Source
1.	Chapila	920	3	2
2.	Tengra	963		
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				

Codes

Source :

1. Caught
2. Bought
3. Previously cooked
4. Gift from others
5. Other (specify)

## 5 ACCESS AND CHARGE DISTRIBUTION SURVEY

### 5.1 List of Database Files

#### 1. Terms of Access

ACS\_TA.DBF

#### 2. Charge Distribution

ACS\_CD.DBF

### 5.2 Structure of Databases

#### 5.2.1 Structure for database: ACS\_TA.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	FS	Numeric	2		N
3	SDATE	Date	8		N
4	JALMOHAL	Character	25		N
5	JM_NO	Numeric	3		N
6	FEDATA	Character	1		N
7	MO_FROM	Character	6		N
8	MO_TO	Character	6		N
9	FGEAR	Numeric	3		N
10	GEARNAME	Character	15		N
11	MO_BEG	Numeric	2		N
12	MO_END	Numeric	2		N
13	LOCATION	Numeric	1		N
14	BYWHOM	Numeric	1		N
15	SHARE	Numeric	3		N
16	FEES_CS	Numeric	5		N
17	PERIOD	Numeric	2		N
18	FEES_FL	Numeric	5		N
19	WAGES	Numeric	5		N
20	F_UNIT	Numeric	4		N
21	F_MEN	Numeric	4		N
22	NOTES	Character	50		N
23	BATCH	Character	6		N
** Total **			162		

### 5.2.2 Structure for database: ACS\_CD.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	FS	Numeric	2		N
3	SDATE	Date	8		N
4	JALMOHAL	Character	25		N
5	JM_NO	Numeric	3		N
6	FGEAR	Numeric	3		N
7	GEARNAME	Character	15		N
8	CDP1_BEG	Numeric	2		N
9	CDP1_END	Numeric	2		N
10	CDP1COST	Numeric	5		N
11	TK_PCNT1	Character	1		N
12	CDP2_BEG	Numeric	2		N
13	CDP2_END	Numeric	2		N
14	CDP2COST	Numeric	5		N
15	TK_PCNT2	Character	1		N
16	CDP3_BEG	Numeric	2		N
17	CDP3_END	Numeric	2		N
18	CDP3COST	Numeric	5		N
19	TK_PCNT3	Character	1		N
20	CDP4_BEG	Numeric	2		N
21	CDP4_END	Numeric	2		N
22	CDP4COST	Numeric	5		N
23	TK_PCNT4	Character	1		N
24	NOTES	Character	50		N
25	BATCH	Character	6		N
<b>** Total **</b>			<b>155</b>		

### 5.3 Description of Database Fields

<u>File</u> <u>Name</u>	<u>Field</u> <u>No.</u>	<u>Fields</u>	<u>Field</u> <u>Type</u>	<u>Width</u>	<u>Deci-</u> <u>mals</u>	<u>Description</u>
ACS_TA	1	REGION	C	2	0	Region code as NC,NW,SW,NE
ACS_TA	2	FS	N	2	0	Fishing site codes 1,2,3,....
ACS_TA	3	SDATE	D	8	0	Survey date as 17/12/94
ACS_TA	4	JALMOHAL	C	25	0	Jalmohal name
ACS_TA	5	JM_NO	N	3	0	Jalmohal code 1,2,3,.....
ACS_TA	6	FEDATA	C	1	0	FE data used? Y/N

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
ACS_TA	7	MO_FROM	C	6	0	Months available : from
ACS_TA	8	MO_TO	C	6	0	Months available : to
ACS_TA	9	FGEAR	N	3	0	Fishing gear code
ACS_TA	10	GEARNAME	C	15	0	Fishing gear name
ACS_TA	11	MO_BEG	N	2	0	Beginning month for the season
ACS_TA	12	MO_END	N	2	0	Ending month for the season
ACS_TA	13	LOCATION	N	1	0	Location code
ACS_TA	14	BYWHOM	N	1	0	Who by
ACS_TA	15	SHARE	N	3	0	% of share for charge system
ACS_TA	16	FEES_CS	N	5	0	Fees for the charge system
ACS_TA	17	PERIOD	N	2	0	Period for the charge system
ACS_TA	18	FEES_FL	N	5	0	Fees for the lease
ACS_TA	19	WAGES	N	5	0	Wages
ACS_TA	20	F_UNIT	N	4	0	No. of fishing unit
ACS_TA	21	F_MEN	N	4	0	No. of fisherman
ACS_TA	22	NOTES	C	50	0	Restriction/notes
ACS_TA	23	BATCH	C	6	0	Batch number for batch control
ACS_CD	1	REGION	C	2	0	Region code NC,NW,SW,NE
ACS_CD	2	FS	N	2	0	Fisheries site code 1,2,3
ACS_CD	3	SDATE	D	8	0	Survey date as 17/12/94
ACS_CD	4	JALMOHAL	C	25	0	Jalmohal name
ACS_CD	5	JM_NO	N	3	0	Jalmohal number as 1,2,3,....
ACS_CD	6	FGEAR	N	3	0	Fishing gear code as 1,2,88,.....
ACS_CD	7	GEARNAME	C	15	0	Fishing gear name
ACS_CD	8	CDP1_BEG	N	2	0	Beginning month of credit period-1
ACS_CD	9	CDP1_END	N	2	0	Ending month of credit period-1



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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
ACS_CD	10	CDP1COST	N	5	0	Cost for credit period-1
ACS_CD	11	TK_PCNT1	C	1	0	Cost in Taka or in percentage T/P for period-1
ACS_CD	12	CDP2_BEG	N	2	0	Beginning month of credit period-2
ACS_CD	13	CDP2_END	N	2	0	Ending month of credit period-2
ACS_CD	14	CDP2COST	N	5	0	Cost for credit period-2
ACS_CD	15	TK_PCNT2	C	1	0	Cost in taka or in percentage T/P for period-2
ACS_CD	16	CDP3_BEG	N	2	0	Beginning month of credit period-3
ACS_CD	17	CDP3_END	N	2	0	Ending month of credit period-3
ACS_CD	18	CDP3COST	N	5	0	Cost for credit period-3
ACS_CD	19	TK_PCNT3	C	1	0	Cost in taka or in percentage T/P for period-3
ACS_CD	20	CDP4_BEG	N	2	0	Beginning month of credit period-4
ACS_CD	21	CDP4_END	N	2	0	Ending month of credit period-4
ACS_CD	22	CDP4COST	N	5	0	Cost for credit period-4
ACS_CD	23	TK_PCNT4	C	1	0	Cost in taka or in percentage T/P for period-4
ACS_CD	24	NOTES	C	50	0	Notes/comments
ACS_CD	25	BATCH	C	6	0	Batch number used for batch control

#### 5.4 Description of Codes

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JJ

IDCODE	CODE	WAT BODY
NC2-1	1	Ashapur Chak
NC2-1	2	Ashapur Kul
NC1-1	3	Ashtanar Khal
NC4-2	4	Bach Chala Beel
NC4-2	5	Bacha Mora Beel
NC4-2	6	Baher Char Chak
NC2-2	7	Balia Khora Beel
NC1-1	8	Bhadarpur Khal
NC2-2	9	Boiragir Chak
NC2-2	10	Chak Bosta Beel
NC2-2	11	Chak Bosta Rak
NC2-2	12	Char Ghior Beel
NC2-1	13	Char Kusunda Chak
NC4-1	14	Diabari Beel
NC4-1	15	Diabari Chak
NC1-3	16	Diar Baor/Beel
NC2-2	17	Dulapara Beel
NC1-2	18	Dumarkhula Beel
NC4-1	19	Durgapur Chak
NC1-1	20	Gachi Bari Khal
NC1-1	21	Gopinathpur Beel
NC4-2	22	Ichamati River
NC1-2	23	Jitka Khal
NC2-1	24	Kaliganga River
NC1-1	25	Kata Khali Khal
NC1-1	26	Kotkandi Beel/Chak
NC2-2	27	Mailagir Chak
NC4-1	28	Maniknagar Chak
NC2-1	29	Mirzapur Chak
NC2-2	30	Mohali Chak
NC4-2	31	Moshakhali Khal
NC4-1	32	Padma River
NC2-2	33	Pukuria Gang
NC1-2	34	Ramgopal Beel
NC2-2	35	Sailabari Beel
NC2-2	36	Sailabari Rak
NC2-2	37	Shahili Chak
NC2-2	38	Tepri Chak
NC1-1	39	Vedhamara Beel
NC3-1	40	Chandrakhali Khal
NC3-2	41	Hazipur beel
NE4-1	1	Aidora Beel
NE4-2	2	Asha Beel
NE3-2	3	Bachakhoi Beel
NE4-1	4	Baral Beel
NE1-3	5	Barchapra Beel
NE3-2	6	Bhai Boner Dair
NE3-2	7	Boalkhoi Beel
NE4-2	8	Bordoy Beel
NE4-2	9	Borkul beel
NE3-1	10	Boro Haor
NE1-3	11	Borohaor Beel
NE3-1	12	C & B Khal
NE4-2	13	Chatal Beel
NE2-2	14	Chatla Beel
NE2-2	15	Chokia Beel
NE3-1	16	Chorobanda Beel
NE4-1	17	Dabor Beel
NE4-2	18	Dekhar Haor
NE1-3	19	Dolia Beel
NE3-1	20	Doro zai
NE1-3	21	Dulni Beel

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NE3-3	22 Elongi Beel
NE3-1	23 Elongi Haor
NE3-1	24 Elongi Kara
NE3-1	25 Floodplain
NE4-2	26 Ghuradubi Beel
NE2-2	27 Gorguri Beel
NE3-1	28 Gual Khai Beel
NE3-1	29 Halot, Gopat
NE1-2	30 Haraia
NE4-3	31 Jolshi Haor
NE1-3	32 Kalni Beel
NE1-3	33 Kaptai Rod
NE1-2	34 Khalkatta
NE4-2	35 Kochua Beel
NE1-2	36 Koradir
NE4-2	37 Magura Beel
NE3-3	38 Magurkhoi Beel
NE3-1	39 Magurpushi Beel
NE2-3	40 Maisla Beel
NE1-2	41 Majerbann
NE3-2	42 Matahbhanga Beel
NE3-2	43 Mohashing River
NE3-1	44 Mora Gang (Launi)
NE1-1	45 Moun River
NE4-2	46 Nagdora Beel
NE2-2	47 Nagua Beel
NE1-2	48 Nelagor
NE4-3	49 Pakhimara Beel
NE1-2	50 Patasinga Beel
NE1-3	51 Pond
NE3-1	52 Porchim Bon
NE4-1	53 Putea Gang
NE4-2	54 Rawa
NE2-3	55 Ronshi Beel
NE1-2	56 Rukka Beel
NE3-1	57 Shaldegā Beel
NE2-2	58 Tural Uday Beel
NE3-2	59 Upral Beel
NE1-3	60 Urua Beel
NE1-1	61 Wapdar Khal
NE2-1	62 Zia Khal
NW3-2	1 Amlagari
NW3-1	2 Atrai River
NW4-1	3 Atrai (Gurudaspur)
NW3-1	4 Bairar Beel
NW4-2	5 Balubhora Thakbana
NW4-1	6 Balugara
NW4-2	7 Banganga Nadi
NW1-1	8 Bara Beel
NW2-3	10 Baral river
NW1-1	11 Bastal
NW3-2	12 Beel Tepigari
NW4-2	13 Berabari Dosimana
NW4-2	14 Berabari Nal
NW3-2	15 Beshani Gomani
NW3-2	16 Bhadra Nadi
NW4-1	17 Boalmari
NW2-2	18 Bumra Beel
NW3-1	19 Dholar Beel
NW4-1	20 Digal Gari
NW1-1	21 Dighar Beel
NW2-2	22 Digholdair
NW3-2	23 Doani
NW3-1	24 Durgapur Beel

NW2-3	25 Gangbhangra Beel
NW1-1	26 Gazna Beel
NW1-1	27 Giar Beel
NW4-2	28 Gohalat
NW3-1	29 Goumara
NW4-2	30 Gutia Sairat
NW3-2	31 Hardama
NW3-1	32 Haribhangra Beel
NW2-2	33 Hurasagar
NW1-2	34 Icchakhali
NW2-1	35 Ichamati River
NW2-2	36 Jamuna River
NW2-3	37 Katiyadaha Beel
NW2-2	38 Khodigari
NW3-2	39 Mollagari
NW4-2	40 Moshigari
NW1-2	41 Nabai Mollah Beel
NW1-2	42 Nainglakhali
NW4-1	43 Paddagari
NW4-1	44 Patgari
NW4-2	45 Pithagari
NW2-2	46 Pushkoni Beel
NW2-2	47 Sonai Beel
NW2-2	48 Tengragari
SW2-3	1 Amberi Khal
SW1-1	2 Amboila Khal
SW4-1	3 Andolir Beel
SW4-2	4 Arial Khan River
SW4-1	5 Baliar Chak
SW2-3	6 Bandabari Khal
SW3-1	7 Bhangar Khal
SW2-1	8 Bhangarhat Khal
SW2-4	9 Chakder Beel
SW2-1	10 Chakder Beel FP
SW3-1	11 Chatal Beel
SW4-1	12 Chatla Beel
SW2-4	13 Chitrapara Beel
SW3-1	14 Choiter Koll
SW2-3	15 Dighalia Khal
SW4-1	16 Donar Chak
SW2-1	17 Gachapara FP
SW2-1	18 Gachapara Khal
SW2-4	19 Ghagor River
SW4-1	20 Gopalganj Beel
SW4-2	21 Gopalganj Khal
SW1-1	22 Gopalsen Halot
SW1-1	23 Gopalsen Khal
SW3-2	24 Gumuria Chak
SW3-1	25 Hasandia Beel
SW4-1	26 Heial Danga Chak
SW4-1	27 Itagaria Chak
SW4-1	28 Joeirga Beel
SW1-2	29 Juri Khal
SW1-2	30 Kadambari Beel
SW3-1	31 Kafurpur Chak
SW4-2	32 Kalabari Nadi
SW2-4	33 Kaurai Baluhar FP
SW2-4	34 Kauria Jathia Beel
SW3-1	35 Kumardanga Chak
SW4-2	36 Kumer Nadi
SW4-2	37 Kumerbari Khal
SW2-4	38 Kunjaban Beel
SW1-1	39 Machartara Beel
SW4-1	40 Maipal Chak



SW3-1	41 Maizzal Khal
SW4-1	42 Malitoa Chak
SW3-2	43 Munshibari Khal
SW4-2	44 Nater Gang
SW3-1	45 Nuchunganj Khal
SW3-1	46 Padma
SW1-3	47 Poysha Agailjha Khal
SW1-1	48 Poysha Bagda Khal
SW1-2	49 Poysha Beel
SW2-4	50 Poysha Ghagor Khal
SW1-2	51 Poysha Rajapur Khal
SW1-3	52 Puber Beel (Chanda
SW3-1	53 Pukurhati Bara Chak,
SW2-3	54 Purbapar Khal
SW3-1	55 Saraibari Chak
SW3-2	56 Saraibari Khal
SW3-2	57 Tuzerpur Khal
SW2-4	58 Uttarpur Khal
SW3-1	59 Arial kha



## LIST OF CODED FISHING GEARS

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Gear Type	Name	Code	Description
Gill Net	Current jal (Stationary)	88	Monofilament fixed gill net, usually small mesh
	Current jal (Drifting)	282	Monofilament drifting gill net, usually top set, any mesh size
	Koi jal	123	Multifilament fixed gill net, usually small mesh
	Chandi jal	65	Multifilament drifting gill net, usually top set, any mesh size
	Par jal	315	Multifilament drifting gill net, usually bottom set, large mesh
	Kajuli jal	316	Multifilament drifting gill net, usually bottom set, small mesh
	Awo jal	324	Multifilament fixed gill net set in zig-zag pattern to catch large fish
	Foot jal	327	Very small gill set horizontally at surface in shallow water
	Gai Dasem	132	Drifting net used in rivers, has pockets at base
Seine Net	Ber jal	45	Seine net: small, medium or large size
	Baoli jal	306	Medium sized seine net pulled by 2 ropes
	Moi jal	202	Small drag net with pockets at base
	Dora jal	325	Similar to moi jal but pulled by 2 long ropes
	Konaber jal	268	Seine net with pocket at one end
	Dhor jal	89	Small seine usually pulled by 2 men by sticks on each end of net
	Horhori	297	Seine net with a series of large pockets along net
	Kathi jal	175	Seine net with a series of vertical sticks along net
	Chabi jal	293	Seine/gill net pulled to shore, often used with polo traps
	Hat panch	276	Medium size seine pulled at each end by one man while man in boat beats water to drive fish into net
	Satiber jal	304	Seine net with a series of pockets at base
	Kachitana	277	Type of lift net hung from boat on floodplain or beel. Net used with drag rope to drive fish into net.
	Ferra jal	126	Drag rope used to drive fish into gill net/seine
Bag Net	Thaga	285	Barrier across river with bag nets set perpendicular to it
	Suti jal	271	Single bag net staked to river bed
	Ghori jal	320	Barricade/fence with nets set in gaps to trap fish
	Bhuti jal	328	Clap net on bamboo frame hung from boat anchored in a gap of barrier fence
Lift Net	Veshal	266	Triangular lift net on large bamboo frame
	Dharma jal	105	Square or round lift nets on bamboo pole
	Jhali jal	160	Small veshal used on main rivers at night for prawns
	Jhap jal	319	Boat lift net: lifted at 4 corners by men in boats
	Chota jal	323	Gill net fixed horizontally on bottom to catch fish by spines
	Dara jal	329	Lift net and barrier used in canals or small rivers
Scoop Net	Hat Tana	287	Oval or triangular scoop nets used with pole and rope or by hand
	Ucha	263	Basket scoop on pole used by hand
	Tukri	296	Small basket scoop used by hand
	Afa/Hat bauli	321	Large thella jal, large mesh, used on boat
	Uttar jal	68	Like a cast net but hung from a boat drifting along river and lifted to catch fish
Clap Net	Shangla jal	234	Multifilament drifting bag net on bamboo frame boat used for hilsa fishing
FAD	Katha	270	Submerged brush shelter used to attract fish
	Boat Katha	314	Submerged boat filled with branches used to attract fish
	Horgra	149	Submerged basket filled with branches used to attract fish
	Kua	302	Fish pit on floodplain, invariably contains brush shelter





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## 5.5 Copies of Survey Forms



## ACCESS SURVEY : Terms of Access

Fisheries Site	NE18
Jalmohal Name	Dhapa Beel
Jalmohal No.	

FE Survey Data Used	N	(Y/N)
Months Available: From	1	
: To	1	

Date:	12 / 1 / 94
Enumerator:	FI
Entered:	

[illegible]

Location Codes	Who By	Month Code	Period Code
1 Anywhere	1 Anyone	1 Baishak	1 All closed season
2 Deep water	2 Local (any village)	3 Ashar	2 Monthly
3 Margins	3 Local (certain village)	6 Ashwin	3 Weekly
4 Selected areas	4 Leaseholder sponsored	9 Poush	4 Daily
		12 Chovatra	5 Contract basis





## 6 GEAR MAINTENANCE AND OPERATION SURVEY

### 6.1 List of Database Files

#### 1. Information on Gear Maintenance

GR\_MNT.DBF

#### 2. Information on Gear Operation

GR\_OPE.DBF

### 6.2 Structure of Databases

#### 6.2.1 Structure for database: GR\_MNT.DBF

Field	Field Name	Type	Width	Dec	Idx
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	RAINIT	Character	2		N
4	SDATE	Date	8		N
5	JBGR	Numeric	3		N
6	GRCODE	Numeric	3		N
7	GRNAME	Character	20		N
8	GRCATEG	Character	10		N
9	GR_MOST	Numeric	2		N
10	TRAP_NO	Numeric	4		N
11	NET_WID	Numeric	6	2	N
12	UNIT_WID	Character	7		N
13	NET_LEN	Numeric	8	2	N
14	UNIT_LEN	Character	7		N
15	NET_MAT	Numeric	1		N
16	MESH	Numeric	1		N
17	DAYS_WK	Numeric	5	2	N
18	HRS_DAY	Numeric	6	2	N
19	MAJ_MNT	Numeric	2		N
20	MAJ_HRS	Numeric	3		N
21	MAJ_M	Numeric	2		N
22	MAJ_F	Numeric	2		N
23	MAJ_MC	Numeric	2		N
24	MAJ_FC	Numeric	2		N
25	ROUT_MNT	Numeric	2		N
26	ROUT_HRS	Numeric	5	2	N
27	ROU_M	Numeric	2		N
28	ROU_F	Numeric	2		N

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Field	Field Name	Type	Width	Dec	Idx
29	ROU_MC	Numeric	2		N
30	ROU_FC	Numeric	2		N
31	BATCH	Character	6		N
32	HAB_ABRV	Character	2		N
33	FT_ABRV	Character	2		N
34	HM_HF_P	Numeric	5	1	N
<b>** Total **</b>			<b>146</b>		

#### 6.2.2 Structure for database: GR\_OPE.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	HH_SL	Character	4		N
3	RAINIT	Character	2		N
4	SDATE	Date	8		N
5	GR_INT	Character	1		N
6	GR_OWN	Character	1		N
7	GR_KNW	Character	1		N
8	GR_SITE	Character	4		N
9	GRCODE	Numeric	3		N
10	GRNAME	Character	20		N
11	GRCATEG	Character	10		N
12	GR_MOST	Numeric	2		N
13	TRAP_NO	Numeric	4		N
14	NET_WID	Numeric	6	2	N
15	UNIT_WID	Character	7		N
16	NET_LEN	Numeric	8	2	N
17	UNIT_LEN	Character	7		N
18	SET_TIME	Numeric	5	2	N
19	DAYS	Numeric	6	2	N
20	WHOLE_PR	Character	1		N
21	ADULTS	Numeric	2		N
22	CHILD	Numeric	2		N
23	HOURS	Numeric	6	2	N
24	COLLECT	Numeric	6	2	N
25	BATCH	Character	6		N
<b>** Total **</b>			<b>128</b>		

### 6.3 Description of Database Fields

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>		<u>Deci- mals</u>	<u>Description</u>
GR_MNT	1	IDCODE	C	5	0	Idcode/Village code as NC1-1, SW1-1
GR_MNT	2	HH_SL	C	4	0	Household code as JK37, SR20
GR_MNT	3	RAINIT	C	2		Included for processing purpose
GR_MNT	4	SDATE	D	8	0	Survey date as 21/12/93 DD/MM/YY
GR_MNT	5	JBGR	N	3	0	FAP 17 Fisheries gear code
GR_MNT	6	GRCODE	N	3	0	FAP 17 gear code
GR_MNT	7	GRNAME	C	20	0	Name of the gear (local)
GR_MNT	8	GRCATEG	C	10	0	Gear name in English group
GR_MNT	9	GR_MOST	N	2	0	Code for most used?
GR_MNT	10	TRAP_NO	N	4	0	No. of traps
GR_MNT	11	NET_WID	N	6	2	Width of the net
GR_MNT	12	UNIT_WID	C	7	0	Units for the width
GR_MNT	13	NET_LEN	N	8	2	Length of the net
GR_MNT	14	UNIT_LEN	C	7	0	Units for the length
GR_MNT	15	NET_MAT	N	1	0	Material use in the net
GR_MNT	16	MESH	N	1	0	Code for the mesh size
GR_MNT	17	DAYS_WK	N	5	2	No. of days used per week
GR_MNT	18	HRS_DAY	N	6	2	Hours used
GR_MNT	19	MAJ_MNT	N	2	0	Times per year major maintenance
GR_MNT	20	MAJ_HRS	N	3	0	Hours of major maintenance
GR_MNT	21	MAJ_M	N	2	0	No. of male person for major maintenance
GR_MNT	22	MAJ_F	N	2	0	No. of female person for major maintenance
GR_MNT	23	MAJ_MC	N	2	0	No. of male-child for major maintenance
GR_MNT	24	MAJ_FC	N	2	0	No. of female-child for major maintenance



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GR_MNT	25	ROUT_MNT	N	2	0	Times for routine maintenance
GR_MNT	26	ROUT_HRS	N	5	2	Hours for routine maintenance
GR_MNT	27	ROU_M	N	2	0	No.of male for routine maintenance
GR_MNT	28	ROU_F	N	2	0	No.of female for routine maintenance
GR_MNT	29	ROU_MC	N	2	0	No.of male-child for routine maintenance
GR_MNT	30	ROU_FC	N	2	0	No.of female-child for routine maintenance
GR_MNT	31	BATCH	C	6	0	Batch number as MNT001
GR_MNT	32	HAB_ABRV	C	2	0	Included for processing purpose
GR_MNT	33	FT_ABRV	C	2	0	Included for processing purpose
GR_MNT	34	HM_HF_P	N	5	1	Included for processing purpose
GR_OPE	1	IDCODE	C	5	0	Village code NC1-1, SW3-2
GR_OPE	2	HH_SL	C	4	0	Household codes JK37, SA20
GR_OPE	3	RAINIT	C	2	0	Included for processing purpose
GR_OPE	4	SDATE	D	8	0	Survey date as 21/12/93 DD/MM/YY
GR_OPE	5	GR_INT	C	1	0	Whether at the time of interview? y/n
GR_OPE	6	GR_OWN	C	1	0	Claimed to be own gear? y/n
GR_OPE	7	GR_KNW	C	1	0	Claimed knowledge? y/n
GR_OPE	8	GR_SITE	C	4	0	Site code as NC21, SW99
GR_OPE	9	GRCODE	N	3	0	FAP 17 gear code
GR_OPE	10	GRNAME	C	20	0	Name of the gear (local)
GR_OPE	11	GRCATEG	C	10	0	Name of the gear in English group
GR_OPE	12	GR_MOST	N	2	0	Code for most used?
GR_OPE	13	TRAP_NO	N	4	0	No. of traps
GR_OPE	14	NET_WID	N	6	2	Width of the net
GR_OPE	15	UNIT_WID	C	7	0	Unit of measurement for width
GR_OPE	16	NET_LEN	N	8	2	Length of the net
GR_OPE	17	UNIT_LEN	C	7	0	Unit of measurement for width

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>		<u>Deci- mals</u>	<u>Description</u>
GR_OPE	18	SET_TIME	N	5	2	Setting time (hours and minutes) as 11.55
GR_OPE	19	DAYS	N	6	2	No.of days will be in the same place
GR_OPE	20	WHOLE_PR	C	1	0	Watched for the whol period? y/n
GR_OPE	21	ADULTS	N	2	0	No. of adults
GR_OPE	22	CHILD	N	2	0	No. of children
GR_OPE	23	HOURS	N	6	2	How many hours
GR_OPE	24	COLLECT	N	6	2	Collect time (hours and minutes) as 11.56
GR_OPE	25	BATCH	C	6	0	Batch number as OPE001

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#### 6.4 Description of Codes



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IDCODE	CODE	WAT	BODY
NC2-1	1	Ashapur	Chak
NC2-1	2	Ashapur	Kul
NC1-1	3	Ashtanar	Khal
NC4-2	4	Bach Chala	Beel
NC4-2	5	Bacha Mora	Beel
NC4-2	6	Baher Char	Chak
NC2-2	7	Balia Khora	Beel
NC1-1	8	Bhadarpur	Khal
NC2-2	9	Boiragir	Chak
NC2-2	10	Chak Bosta	Beel
NC2-2	11	Chak Bosta	Rak
NC2-2	12	Char Ghior	Beel
NC2-1	13	Char Kusunda	Chak
NC4-1	14	Diabari	Beel
NC4-1	15	Diabari	Chak
NC1-3	16	Diar Baor	Beel
NC2-2	17	Dulapara	Beel
NC1-2	18	Dumarkhula	Beel
NC4-1	19	Durgapur	Chak
NC1-1	20	Gachi Bari	Khal
NC1-1	21	Gopinathpur	Beel
NC4-2	22	Ichamati	River
NC1-2	23	Jitka	Khal
NC2-1	24	Kaliganga	River
NC1-1	25	Kata Khali	Khal
NC1-1	26	Kotkandi	Beel/Chak
NC2-2	27	Mailagir	Chak
NC4-1	28	Maniknagar	Chak
NC2-1	29	Mirzapur	Chak
NC2-2	30	Mohali	Chak
NC4-2	31	Moshakhali	Khal
NC4-1	32	Padma	River
NC2-2	33	Pukuria	Gang
NC1-2	34	Ramgopal	Beel
NC2-2	35	Sailabari	Beel
NC2-2	36	Sailabari	Rak
NC2-2	37	Shahili	Chak
NC2-2	38	Tepri	Chak
NC1-1	39	Vedhamara	Beel
NC3-1	40	Chandrakhali	Khal
NC3-2	41	Hazipur	beel
NE4-1	1	Aidora	Beel
NE4-2	2	Asha	Beel
NE3-2	3	Bachakhoi	Beel
NE4-1	4	Baral	Beel
NE1-3	5	Barchapra	Beel
NE3-2	6	Bhai Boner	Dair
NE3-2	7	Boalkhoi	Beel
NE4-2	8	Bordoy	Beel
NE4-2	9	Borkul	beel
NE3-1	10	Boro	Haor
NE1-3	11	Borohaor	Beel
NE3-1	12	C & B	Khal
NE4-2	13	Chatal	Beel
NE2-2	14	Chatla	Beel
NE2-2	15	Chokia	Beel
NE3-1	16	Chorobanda	Beel
NE4-1	17	Dabor	Beel
NE4-2	18	Dekhar	Haor
NE1-3	19	Dolia	Beel
NE3-1	20	Doro	zai
NE1-3	21	Dulni	Beel

NE3-3	22 Elongi Beel
NE3-1	23 Elongi Haor
NE3-1	24 Elongi Kara
NE3-1	25 Floodplain
NE4-2	26 Ghuradubi Beel
NE2-2	27 Gorguri Beel
NE3-1	28 Gual Khai Beel
NE3-1	29 Halot, Gopat
NE1-2	30 Haraia
NE4-3	31 Jolshi Haor
NE1-3	32 Kalni Beel
NE1-3	33 Kaptai Rod
NE1-2	34 Khalkatta
NE4-2	35 Kochua Beel
NE1-2	36 Koradir
NE4-2	37 Magura Beel
NE3-3	38 Magurkhoi Beel
NE3-1	39 Magurpushi Beel
NE2-3	40 Maisla Beel
NE1-2	41 Majerbann
NE3-2	42 Matahbhanga Beel
NE3-2	43 Mohashing River
NE3-1	44 Mora Gang (Launi)
NE1-1	45 Moun River
NE4-2	46 Nagdora Beel
NE2-2	47 Nagua Beel
NE1-2	48 Nelagor
NE4-3	49 Pakhimara Beel
NE1-2	50 Patasinga Beel
NE1-3	51 Pond
NE3-1	52 Porchim Bon
NE4-1	53 Putea Gang
NE4-2	54 Rawa
NE2-3	55 Ronshi Beel
NE1-2	56 Rukka Beel
NE3-1	57 Shaldega Beel
NE2-2	58 Tural Uday Beel
NE3-2	59 Upral Beel
NE1-3	60 Urua Beel
NE1-1	61 Wapdar Khal
NE2-1	62 Zia Khal
NW3-2	1 Amlagari
NW3-1	2 Atrai River
NW4-1	3 Atrai (Gurudaspur)
NW3-1	4 Bairar Beel
NW4-2	5 Balubhora Thakbana
NW4-1	6 Balugara
NW4-2	7 Banganga Nadi
NW1-1	8 Bara Beel
NW2-3	10 Baral river
NW1-1	11 Bastal
NW3-2	12 Beel Tepigari
NW4-2	13 Berabari Dosimana
NW4-2	14 Berabari Nal
NW3-2	15 Beshani Gomani
NW3-2	16 Bhadra Nadi
NW4-1	17 Boalmari
NW2-2	18 Bumra Beel
NW3-1	19 Dholar Beel
NW4-1	20 Digal Gari
NW1-1	21 Dighar Beel
NW2-2	22 Digholdair
NW3-2	23 Doani
NW3-1	24 Durgapur Beel

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NW2-3	25 Gangbhangra Beel
NW1-1	26 Gazna Beel
NW1-1	27 Giar Beel
NW4-2	28 Gohalat
NW3-1	29 Goumara
NW4-2	30 Gutia Sairat
NW3-2	31 Hardama
NW3-1	32 Haribhangra Beel
NW2-2	33 Hurasagar
NW1-2	34 Icchakhali
NW2-1	35 Ichamati River
NW2-2	36 Jamuna River
NW2-3	37 Katiyadaha Beel
NW2-2	38 Khodigari
NW3-2	39 Mollagari
NW4-2	40 Moshigari
NW1-2	41 Nabai Mollah Beel
NW1-2	42 Nainglakhali
NW4-1	43 Paddagari
NW4-1	44 Patgari
NW4-2	45 Pithagari
NW2-2	46 Pushkoni Beel
NW2-2	47 Sonai Beel
NW2-2	48 Tengragari
SW2-3	1 Amberi Khal
SW1-1	2 Amboila Khal
SW4-1	3 Andolir Beel
SW4-2	4 Arial Khan River
SW4-1	5 Baliar Chak
SW2-3	6 Bandabari Khal
SW3-1	7 Bhangar Khal
SW2-1	8 Bhangarhat Khal
SW2-4	9 Chakder Beel
SW2-1	10 Chakder Beel FP
SW3-1	11 Chatal Beel
SW4-1	12 Chatla Beel
SW2-4	13 Chitrapara Beel
SW3-1	14 Choiter Koll
SW2-3	15 Dighalia Khal
SW4-1	16 Donar Chak
SW2-1	17 Gachapara FP
SW2-1	18 Gachapara Khal
SW2-4	19 Ghagor River
SW4-1	20 Gopalganj Beel
SW4-2	21 Gopalganj Khal
SW1-1	22 Gopalsen Halot
SW1-1	23 Gopalsen Khal
SW3-2	24 Gumuria Chak
SW3-1	25 Hasandia Beel
SW4-1	26 Heial Danga Chak
SW4-1	27 Itagaria Chak
SW4-1	28 Joeirga Beel
SW1-2	29 Juri Khal
SW1-2	30 Kadambari Beel
SW3-1	31 Kafurpur Chak
SW4-2	32 Kalabari Nadi
SW2-4	33 Kaurai Baluhar FP
SW2-4	34 Kauria Jathia Beel
SW3-1	35 Kumardanga Chak
SW4-2	36 Kumer Nadi
SW4-2	37 Kumerbari Khal
SW2-4	38 Kunjaban Beel
SW1-1	39 Machartara Beel
SW4-1	40 Maipal Chak



SW3-1 41 Maizraal Khal  
SW4-1 42 Malitoa Chak  
SW3-2 43 Munshibari Khal  
SW4-2 44 Nater Gang  
SW3-1 45 Nuchunganj Khal  
SW3-1 46 Padma  
SW1-3 47 Poysha Agailjha Khal  
SW1-1 48 Poysha Bagda Khal  
SW1-2 49 Poysha Beel  
SW2-4 50 Poysha Ghagor Khal  
SW1-2 51 Poysha Rajapur Khal  
SW1-3 52 Puber Beel (Chanda  
SW3-1 53 Pukurhati Bara Chak  
SW2-3 54 Purbapar Khal  
SW3-1 55 Saraibari Chak  
SW3-2 56 Saraibari Khal  
SW3-2 57 Tuzerpur Khal  
SW2-4 58 Uttarpur Khal  
SW3-1 59 Arial kha

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LIST OF CODED FISHING GEARS

Gear Type	Name	Code	Description
Gill Net	Current jal (Stationary)	88	Monofilament fixed gill net, usually small mesh
	Current jal (Drifting)	282	Monofilament drifting gill net, usually top set, any mesh size
	Koi jal	123	Multifilament fixed gill net, usually small mesh
	Chandi jal	65	Multifilament drifting gill net, usually top set, any mesh size
	Par jal	315	Multifilament drifting gill net, usually bottom set, large mesh
	Kajuli jal	316	Multifilament drifting gill net, usually bottom set, small mesh
	Awo jal	324	Multifilament fixed gill net set in zig-zag pattern to catch large fish
	Foot jal	327	Very small gill set horizontally at surface in shallow water
	Gai Dasem	132	Drifting net used in rivers, has pockets at base
Seine Net	Ber jal	45	Seine net: small, medium or large size
	Baoli jal	306	Medium sized seine net pulled by 2 ropes
	Moi jal	202	Small drag net with pockets at base
	Dora jal	325	Similar to moi jal but pulled by 2 long ropes
	Konaber jal	268	Seine net with pocket at one end
	Dhor jal	89	Small seine usually pulled by 2 men by sticks on each end of net
	Horhori	297	Seine net with a series of large pockets along net
	Kathi jal	175	Seine net with a series of vertical sticks along net
	Chabi jal	293	Seine/gill net pulled to shore, often used with polo traps
	Hat panch	276	Medium size seine pulled at each end by one man while man in boat beats water to drive fish into net
	Satiber jal	304	Seine net with a series of pockets at base
	Kachitana	277	Type of lift net hung from boat on floodplain or beel. Net used with drag rope to drive fish into net.
	Ferra jal	126	Drag rope used to drive fish into gill net/seine
Bag Net	Thaga	285	Barrier across river with bag nets set perpendicular to it
	Suti jal	271	Single bag net staked to river bed
	Ghori jal	320	Barricade/fence with nets set in gaps to trap fish
	Bhuti jal	328	Clap net on bamboo frame hung from boat anchored in a gap of barrier fence
Lift Net	Veshal	266	Triangular lift net on large bamboo frame
	Dharma jal	105	Square or round lift nets on bamboo pole
	Jhali jal	160	Small veshal used on main rivers at night for prawns
	Jhap jal	319	Boat lift net: lifted at 4 corners by men in boats
	Chota jal	323	Gill net fixed horizontally on bottom to catch fish by spines
	Dara jal	329	Lift net and barrier used in canals or small rivers
Scoop Net	Hat Tana	287	Oval or triangular scoop nets used with pole and rope or by hand
	Ucha	263	Basket scoop on pole used by hand
	Tukri	296	Small basket scoop used by hand
	Afa/Hat bauli	321	Large thella jal, large mesh, used on boat
	Uttar jal	68	Like a cast net but hung from a boat drifting along river and lifted to catch fish
Clap Net	Shangla jal	234	Multifilament drifting bag net on bamboo frame boat used for hilsa fishing
FAD	Katha	270	Submerged brush shelter used to attract fish
	Boat Katha	314	Submerged boat filled with branches used to attract fish
	Horgra	149	Submerged basket filled with branches used to attract fish
	Kua	302	Fish pit on floodplain, invariably contains brush shelter

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[illegible]

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## 6.5 Copies of Survey Forms



240

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FAP17  
GEAR OPERATION QUESTIONNAIRE

<Use One sheet for Each Gear Type>

RA/FS Initials

SA

Date 01/2/94

FOR SOCIO-ECONOMIC TEAM ONLY

Respondent

Code

Village Code	NC	2-1
H/H No.		SA08

Use the respondent code  
from your list

FOR FISHERIES TEAM ONLY

Respondent was :

- using the gear at time of interview
- claimed to own and use the gear
- claimed knowledge of gear

Tick One

☐  
☐  
☐

<-----If so, which site

FISHERIES AND SOCIO-ECONOMICS TEAMS

Gearname	current jal
FAP17 Code	88
Category	Gill net

Habitats/Time Gear Most Used by Respondent

8

Habitat	Dec-Apr	May-Jun	Jul-Sep	Oct-Nov
Main River	1	2	3	4
Secondary River	5	6	7	8
Canal	9	10	11	12
Floodplain	12	13	14	15
Beel	16	17	18	19
Ponds/ditches	20	21	22	23

ALL OTHER QUESTIONS FOR HABITAT/TIME GEAR MOST USED

Amounts Used Together

Traps Number

1

Net Size		Units
- width	1.5	Hath
- length	90	Hath

Traps - give number of traps used together

Nets - give total combined length of gear used

NB : All remaining questions relate to total time for all gear used (not per piece)

Setting Time

Hour : Min

How long to put the above gear into place initially ?

12 : 00

How many days will the gear be in the same place ?

2 days

Watching Time

Is the gear watched throughout the period that it is set ?

Y Y/N

If Y, how many people are involved on any typical day ?

1 Adults

How many hours: min ?

8 :

1 Children

Collecting Time

If N, how long does it take for all operations (bait, clean, dry traps & collect fish etc.) each day, once you are on site ?

Hour : Min

:

# FAP 17 GEAR MAINTENANCE QUESTIONNAIRE

<Use One sheet for Each Gear Type>

RA Initials **SR**

Date **9/4/94**

## FOR SOCIO-ECONOMIC TEAM ONLY

Respondent Code  
Village Code **NC** **2-1**  
H/H No. **SR-20**

Use the respondent code from your list

Gearname **DOAIR**  
FAP17 Code **95**  
Category **Traps**

Habitat/Time Gear Most Used by Respondent <b>7</b>				
Habitat	Dec-Apr	May-Jun	Jul-Sep	Oct-Nov
Main River	1	2	3	4
Secondary River	5	6	7	8
Canal	9	10	11	12
Floodplain	12	13	14	15
Bred	16	17	18	19
Ponds/ditches	20	21	22	23

## ALL OTHER QUESTIONS FOR HABITAT/TIME GEAR MOST USED

Amounts Used Together

Trap Number **30**  
Net Size Units  
- width  
- length

Traps - give number of traps used together  
Nets - give total combined length of gear used

Net Material  
Mesh Size  
Large 1  
Medium 2  
Small 3  
Multifilament 1  
Monofilament 2  
Knotless nylon 3  
Other 4

NB: All remaining questions relate to total time for all gear used (not per piece)

Days per week gear used in period most used **7** days  
Hours fished per day **5** hours

Maintenance intervals  
- Major maintenance No. of times per year  
- Routine maintenance Interval in days

Time taken  
**2** hours  
**3** hours

e.g.  
Daily = 1  
Every 3 days = 3  
Weekly = 7

Persons (No.)			
Adult		Child	
M	F	m	f
<b>1</b>		<b>1</b>	
<b>1</b>			

## 7 ACCESS AND RIGHTS TO FISHERIES (SPECIAL STUDY)

### 7.1 List of Database Files

1. Information on Waterbody inventory  
WB\_INV.DBF
2. Information History and Access  
HIS\_ACS.DBF

### 7.2 Structure of Databases

#### 7.2.1 Structure for database: WB\_INV.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	PHASE	Numeric	1		N
3	SDATE	Date	8		N
4	WI_ID	Numeric	2		N
5	WB_CODE	Numeric	3		N
6	WBT_1	Numeric	1		N
7	ACS_1	Numeric	1		N
8	PS_1	Numeric	1		N
9	RANK_1	Numeric	2		N
10	WBT_20	Numeric	1		N
11	ACS_20	Numeric	1		N
12	PS_20	Numeric	1		N
13	RANK_20	Numeric	2		N
14	WBT_40	Numeric	1		N
15	ACS_40	Numeric	1		N
16	PS_40	Numeric	1		N
17	RANK_40	Numeric	2		N
18	BATCH	Character	6		N
19	WB_NAME	Character	20		N
<b>** Total **</b>			<b>61</b>		

#### 7.2.3 Structure for database: HIS\_ACS.DBF

Field	Field Name	Type	Width	Dec	Index
1	IDCODE	Character	5		N
2	PHASE	Numeric	1		N
3	SDATE	Date	8		N
4	WB_CODE	Numeric	3		N



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Field	Field Name	Type	Width	Dec	Index
5	RANKING	Numeric	2		N
6	WBT	Numeric	1		N
7	INOUT	Numeric	1		N
8	LHR_1	Numeric	1		N
9	LHR_20	Numeric	1		N
10	LHR_40	Numeric	1		N
11	SOG_1	Numeric	1		N
12	SOG_20	Numeric	1		N
13	SOG_40	Numeric	1		N
14	FISHPROD	Numeric	5	1	N
15	AT_1	Numeric	1		N
16	FROM_1	Numeric	2		N
17	TO_1	Numeric	2		N
18	SEVE_1	Numeric	1		N
19	AT_20	Numeric	1		N
20	FROM_20	Numeric	2		N
21	TO_20	Numeric	2		N
22	SEVE_20	Numeric	1		N
23	AT_40	Numeric	1		N
24	FROM_40	Numeric	2		N
25	TO_40	Numeric	2		N
26	SEVE_40	Numeric	1		N
27	EOLB_1	Character	1		N
28	EOLB_20	Character	1		N
29	EOLB_40	Character	1		N
30	KHAS_1	Character	1		N
31	KHAS_20	Character	1		N
32	KHAS_40	Character	1		N
33	PVT_1	Character	1		N
34	PVT_20	Character	1		N
35	PVT_40	Character	1		N
36	PIT_1	Character	1		N
37	PIT_20	Character	1		N
38	PIT_40	Character	1		N
39	DECL_1	Character	1		N
40	PF_FR1	Numeric	2		N
41	PF_TO1	Numeric	2		N
42	PF_FR20	Numeric	2		N
43	PF_TO20	Numeric	2		N
44	PF_FR40	Numeric	2		N
45	PF_TO40	Numeric	2		N
46	SF_FR1	Numeric	2		N
47	SF_TO1	Numeric	2		N
48	SF_FR20	Numeric	2		N
49	SF_TO20	Numeric	2		N
50	SF_FR40	Numeric	2		N

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Field	Field Name	Type	Width	Dec	Index
51	SF_TO40	Numeric	2		N
52	PF_SF1	Numeric	3		N
53	PF_SF20	Numeric	3		N
54	PF_SF40	Numeric	3		N
55	FR_LAB1	Numeric	5	1	N
56	FR_LAB20	Numeric	5	1	N
57	FR_LAB40	Numeric	5	1	N
58	BATCH	Character	6		N
<b>** Total **</b>			<b>118</b>		

### 7.3 Description of Database Fields

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Types</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
WB_INV	1	IDCODE	C	5	0	Village code as NC1-1
WB_INV	2	PHASE	N	1	0	Phase numbers
WB_INV	3	SDATE	D	8	0	Survey date
WB_INV	4	WI_ID	N	2	0	A serial number used for record control
WB_INV	5	WB_CODE	N	3	0	Water body code 1,2,3,....
WB_INV	6	WBT_1	N	1	0	Waterbody type for the now (current)
WB_INV	7	ACS_1	N	1	0	Access code
WB_INV	8	PS_1	N	1	0	Perennial/Seasonal code, Perennial=1, Seasonal=2
WB_INV	9	RANK_1	N	2	0	Ranking
WB_INV	10	WBT_20	N	1	0	Waterbody type at 20-yrs before independence
WB_INV	11	ACS_20	N	1	0	Access code at 20-yrs before independence
WB_INV	12	PS_20	N	1	0	Perennial/seasonal at 20-yrs before independence
WB_INV	13	RANK_20	N	2	0	Ranking at 20-yrs before independence
WB_INV	14	WBT_40	N	1	0	Waterbody code at before independence
WB_INV	15	ACS_40	N	1	0	Access code at before independence

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Types</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
WB_INV	16	PS_40	N	1	0	Perennial/Seasonal code at before independence
WB_INV	17	RANK_40	N	2	0	Ranking codes at 40-yrs before independence
WB_INV	18	BATCH	C	6	0	Batch number used for batch control
WB_INV	19	WB_NAME	C	20	0	Waterbody name
HIS_ACS	1	IDCODE	C	5	0	Village code as NW1-1
HIS_ACS	2	PHASE	N	1	0	Phase numbers
HIS_ACS	3	SDATE	D	8	0	Survey date
HIS_ACS	4	WB_CODE	N	3	0	Waterbody code
HIS_ACS	5	RANKING	N	2	0	Ranking
HIS_ACS	6	WBT	N	1	0	Waterbody type
HIS_ACS	7	INOUT	N	1	0	Inside/outside of FCD
HIS_ACS	8	LHR_1	N	1	0	Leaseholder's residence now
HIS_ACS	9	LHR_20	N	1	0	Leaseholder's residence 20 yrs ago
HIS_ACS	10	LHR_40	N	1	0	Leaseholder's residence 40 yrs ago
HIS_ACS	11	SOG_1	N	1	0	Social occupational group at now
HIS_ACS	12	SOG_20	N	1	0	Social occupational group 20 yrs ago
HIS_ACS	13	SOG_40	N	1	0	Social occupational group 40 yrs ago
HIS_ACS	14	FISHPROD	N	5	1	Fish product proportion percent
HIS_ACS	15	AT_1	N	1	0	Access type at now
HIS_ACS	16	FROM_1	N	2	0	Enforcement now from
HIS_ACS	17	TO_1	N	2	0	Enforcement now to
HIS_ACS	18	SEVE_1	N	1	0	Severity at now
HIS_ACS	19	AT_20	N	1	0	Access type 20 yrs ago
HIS_ACS	20	FROM_20	N	2	0	Enforcement 20 yrs ago from
HIS_ACS	21	TO_20	N	2	0	Enforcement 20 yrs ago to

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Types</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
HIS_ACS	22	SEVE_20	N	1	0	Severity 20 yrs ago
HIS_ACS	23	AT_40	N	1	0	Access type 40 yrs ago from
HIS_ACS	24	FROM_40	N	2	0	Enforcement 40 yrs ago from
HIS_ACS	25	TO_40	N	2	0	Enforcement 40 yrs ago to
HIS_ACS	26	SEVE_40	N	1	0	Severity 40 yrs ago
HIS_ACS	27	EOLB_1	C	1	0	Enforcement out side legal boundaries at now
HIS_ACS	28	EOLB_20	C	1	0	Enforcement out side legal boundaries 20-yrs ago
HIS_ACS	29	EOLB_40	C	1	0	Enforcement out side legal boundaries 40-yrs ago
HIS_ACS	30	KHAS_1	C	1	0	Has any khas land at now?
HIS_ACS	31	KHAS_20	C	1	0	Had any khas land 20 yrs ago? y/n
HIS_ACS	32	KHAS_40	C	1	0	Had any khas land 40 yrs ago? y/n
HIS_ACS	33	PVT_1	C	1	0	Had any private land at now? y/n
HIS_ACS	34	PVT_20	C	1	0	Had any private land 20 yrs ago? y/n
HIS_ACS	35	PVT_40	C	1	0	Had any private land 40 yrs ago? y/n
HIS_ACS	36	PIT_1	C	1	0	Any fish pits on private land at now? y/n
HIS_ACS	37	PIT_20	C	1	0	Any fish pits on private land 20 yrs ago? y/n
HIS_ACS	38	PIT_40	C	1	0	Any fish pits on private land 40 yrs ago? y/n
HIS_ACS	39	DECL_1	C	1	0	Decline in khas land? y/n
HIS_ACS	40	PF_FR1	N	2	0	Professional fisherman from (now)
HIS_ACS	41	PF_TO1	N	2	0	Professional fisherman to (now)
HIS_ACS	42	PF_FR20	N	2	0	Professional fisherman from 20 yrs ago
HIS_ACS	43	PF_TO20	N	2	0	Professional fisherman to 20 yrs ago
HIS_ACS	44	PF_FR40	N	2	0	Professional fisherman from 40 yrs ago
HIS_ACS	45	PF_TO40	N	2	0	Professional fisherman to 40 yrs ago



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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Types</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
HIS_ACS	46	SF_FR1	N	2	0	Seasonal/subsistence fisherman from now
HIS_ACS	47	SF_TO1	N	2	0	Seasonal/subsistence fisherman to now
HIS_ACS	48	SF_FR20	N	2	0	Seasonal/subsistence fisherman from 20 yrs ago
HIS_ACS	49	SF_TO20	N	2	0	Seasonal/subsistence fisherman to 20 yrs ago
HIS_ACS	50	SF_FR40	N	2	0	Seasonal/subsistence fisherman from 40 yrs ago
HIS_ACS	51	SF_TO40	N	2	0	Seasonal/subsistence fisherman to 40 yrs ago
HIS_ACS	52	PF_SF1	N	3	0	People fishing percent now
HIS_ACS	53	PF_SF20	N	3	0	People fishing percent 20 yrs ago
HIS_ACS	54	PF_SF40	N	3	0	People fishing percent 40 yrs ago
HIS_ACS	55	FR_LAB1	N	5	1	Ratio of Professional to subsistence now
HIS_ACS	56	FR_LAB20	N	5	1	Ratio of Professional to subsistence 20 yrs ago
HIS_ACS	57	FR_LAB40	N	5	1	Ratio of Professional to subsistence 40 yrs ago
HIS_ACS	58	BATCH	C	6	0	Batch number used for batch control

#### 7.4 Description of Codes

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JJ

Used in Noverroxy Invention,  
Special Study No. 1: - cases  
and Rights to Fisheries

IDCODE	CODE	WAT	BODY
NC2-1	1	Ashapur	Chak
NC2-1	2	Ashapur	Kul
NC1-1	3	Ashtanar	Khal
NC4-2	4	Bach Chala	Beel
NC4-2	5	Bacha Mora	Beel
NC4-2	6	Baher Char	Chak
NC2-2	7	Balia Khora	Beel
NC1-1	8	Bhadarpur	Khal
NC2-2	9	Boiragir	Chak
NC2-2	10	Chak Bosta	Beel
NC2-2	11	Chak Bosta	Rak
NC2-2	12	Char Ghior	Beel
NC2-1	13	Char Kusunda	Chak
NC4-1	14	Diabari	Beel
NC4-1	15	Diabari	Chak
NC1-3	16	Diar Baor	Beel
NC2-2	17	Dulapara	Beel
NC1-2	18	Dumarkhula	Beel
NC4-1	19	Durgapur	Chak
NC1-1	20	Gachi Bari	Khal
NC1-1	21	Gopinathpur	Beel
NC4-2	22	Ichamati	River
NC1-2	23	Jitka	Khal
NC2-1	24	Kaliganga	River
NC1-1	25	Kata Khali	Khal
NC1-1	26	Kotkandi	Beel/Chak
NC2-2	27	Mailagir	Chak
NC4-1	28	Maniknagar	Chak
NC2-1	29	Mirzapur	Chak
NC2-2	30	Mohali	Chak
NC4-2	31	Moshakhali	Khal
NC4-1	32	Padma	River
NC2-2	33	Pukuria	Gang
NC1-2	34	Ramgopal	Beel
NC2-2	35	Sailabari	Beel
NC2-2	36	Sailabari	Rak
NC2-2	37	Shahili	Chak
NC2-2	38	Tepri	Chak
NC1-1	39	Vedhamara	Beel
NC3-1	40	Chandrakhali	Khal
NC3-2	41	Hazipur	beel
NE4-1	1	Aidora	Beel
NE4-2	2	Asha	Beel
NE3-2	3	Bachakhoi	Beel
NE4-1	4	Baral	Beel
NE1-3	5	Barchapra	Beel
NE3-2	6	Bhai Boner	Dair
NE3-2	7	Boalkhoi	Beel
NE4-2	8	Bordoy	Beel
NE4-2	9	Borkul	beel
NE3-1	10	Boro	Haor
NE1-3	11	Borohaor	Beel
NE3-1	12	C & B	Khal
NE4-2	13	Chatal	Beel
NE2-2	14	Chatla	Beel
NE2-2	15	Chokia	Beel
NE3-1	16	Chorobanda	Beel
NE4-1	17	Dabor	Beel
NE4-2	18	Dekhar	Haor
NE1-3	19	Dolia	Beel
NE3-1	20	Doro	zai
NE1-3	21	Dulni	Beel



NE3-3	22 Elongi Beel
NE3-1	23 Elongi Haor
NE3-1	24 Elongi Kara
NE3-1	25 Floodplain
NE4-2	26 Ghuradubi Beel
NE2-2	27 Gorguri Beel
NE3-1	28 Gual Khai Beel
NE3-1	29 Halot, Gopat
NE1-2	30 Haraia
NE4-3	31 Jolshi Haor
NE1-3	32 Kalni Beel
NE1-3	33 Kaptai Rod
NE1-2	34 Khalkatta
NE4-2	35 Kochua Beel
NE1-2	36 Koradir
NE4-2	37 Magura Beel
NE3-3	38 Magurkhoi Beel
NE3-1	39 Magurpushi Beel
NE2-3	40 Maisla Beel
NE1-2	41 Majerbann
NE3-2	42 Matahbhanga Beel
NE3-2	43 Mohashing River
NE3-1	44 Mora Gang (Launi)
NE1-1	45 Moun River
NE4-2	46 Nagdora Beel
NE2-2	47 Nagua Beel
NE1-2	48 Nelagor
NE4-3	49 Pakhimara Beel
NE1-2	50 Patasinga Beel
NE1-3	51 Pond
NE3-1	52 Porchim Bon
NE4-1	53 Putea Gang
NE4-2	54 Rawa
NE2-3	55 Ronshi Beel
NE1-2	56 Rukka Beel
NE3-1	57 Shaldega Beel
NE2-2	58 Tural Uday Beel
NE3-2	59 Upral Beel
NE1-3	60 Urua Beel
NE1-1	61 Wapdar Khal
NE2-1	62 Zia Khal
NW3-2	1 Amlagari
NW3-1	2 Atrai River
NW4-1	3 Atrai (Gurudaspur)
NW3-1	4 Bairar Beel
NW4-2	5 Balubhora Thakbana
NW4-1	6 Balugara
NW4-2	7 Banganga Nadi
NW1-1	8 Bara Beel
NW2-3	10 Baral river
NW1-1	11 Bastal
NW3-2	12 Beel Tepigari
NW4-2	13 Berabari Dosimana
NW4-2	14 Berabari Nal
NW3-2	15 Beshani Gomani
NW3-2	16 Bhadra Nadi
NW4-1	17 Boalmari
NW2-2	18 Bumra Beel
NW3-1	19 Dholar Beel
NW4-1	20 Digal Gari
NW1-1	21 Dighar Beel
NW2-2	22 Digholdair
NW3-2	23 Doani
NW3-1	24 Durgapur Beel

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NW2-3	25 Gangbhangra Beel
NW1-1	26 Gazna Beel
NW1-1	27 Giar Beel
NW4-2	28 Gohalat
NW3-1	29 Goumara
NW4-2	30 Gutia Sairat
NW3-2	31 Hardama
NW3-1	32 Haribhangra Beel
NW2-2	33 Hurasagar
NW1-2	34 Icchakhali
NW2-1	35 Ichamati River
NW2-2	36 Jamuna River
NW2-3	37 Katiyadaha Beel
NW2-2	38 Khodigari
NW3-2	39 Mollagari
NW4-2	40 Moshigari
NW1-2	41 Nabai Mollah Beel
NW1-2	42 Nainglakhali
NW4-1	43 Paddagari
NW4-1	44 Patgari
NW4-2	45 Pithagari
NW2-2	46 Pushkoni Beel
NW2-2	47 Sonai Beel
NW2-2	48 Tengragari
SW2-3	1 Amberi Khal
SW1-1	2 Amboila Khal
SW4-1	3 Andolir Beel
SW4-2	4 Arial Khan River
SW4-1	5 Baliar Chak
SW2-3	6 Bandabari Khal
SW3-1	7 Bhangar Khal
SW2-1	8 Bhangarhat Khal
SW2-4	9 Chakder Beel
SW2-1	10 Chakder Beel FP
SW3-1	11 Chatal Beel
SW4-1	12 Chatla Beel
SW2-4	13 Chitrapara Beel
SW3-1	14 Choiter Koll
SW2-3	15 Dighalia Khal
SW4-1	16 Donar Chak
SW2-1	17 Gachapara FP
SW2-1	18 Gachapara Khal
SW2-4	19 Ghagor River
SW4-1	20 Gopalganj Beel
SW4-2	21 Gopalganj Khal
SW1-1	22 Gopalsen Halot
SW1-1	23 Gopalsen Khal
SW3-2	24 Gumuria Chak
SW3-1	25 Hasandia Beel
SW4-1	26 Heial Danga Chak
SW4-1	27 Itagarra Chak
SW4-1	28 Joeirga Beel
SW1-2	29 Juri Khal
SW1-2	30 Kadambari Beel
SW3-1	31 Kafurpur Chak
SW4-2	32 Kalabari Nadi
SW2-4	33 Kaurai Baluhar FP
SW2-4	34 Kauria Jathia Beel
SW3-1	35 Kumardanga Chak
SW4-2	36 Kumer Nadi
SW4-2	37 Kumerbari Khal
SW2-4	38 Kunjaban Beel
SW1-1	39 Machartara Beel
SW4-1	40 Maipal Chak

SW3-1	41	Maizzal Khal
SW4-1	42	Malitoa Chak
SW3-2	43	Munshibari Khal
SW4-2	44	Nater Gang
SW3-1	45	Nuchunganj Khal
SW3-1	46	Padma
SW1-3	47	Poysha Agailjha Khal
SW1-1	48	Poysha Bagda Khal
SW1-2	49	Poysha Beel
SW2-4	50	Poysha Ghagor Khal
SW1-2	51	Poysha Rajapur Khal
SW1-3	52	Puber Beel (Chanda
SW3-1	53	Pukurhati Bara Chak
SW2-3	54	Purbapar Khal
SW3-1	55	Saraibari Chak
SW3-2	56	Saraibari Khal
SW3-2	57	Tuzerpur Khal
SW2-4	58	Uttarpar Khal
SW3-1	59	Arial kha

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**SPECIAL STUDY No.1**  
**ACCESS & RIGHTS to FISHERIES**

**WATERBODY INVENTORY, HISTORY & ACCESS QUESTIONNAIRE**

**Objectives**

The objective of this questionnaire is to provide us with a structured database on the access arrangements and history of the waterbodies fished by different groups of people in our target villages. This will enable us to look at the frequency of different types of access arrangement and different patterns of change in access in all our villages.

The information we are putting into this database is exactly the same as the various topics mentioned in the study guidelines issued in mid-August. The only difference is that we are now providing a more structured format for entering that information.

**Codes & Instructions**

The questionnaire is divided into 2 sections.



SECTION 1 : WATERBODY INVENTORY & HISTORY

1.	<b>Region, Village Code, &amp; Page No.</b>	In this box, record the region (NC, NW, NE or SW) and the code of the village which you are talking about (2-1, 3-4, etc). Page No. is already filled in for this sheet.
2.	<b>Local Name of Waterbody</b>	Record the name (or names) used by people in this village for this particular waterbody. Include any names they may use for the <b>type</b> of waterbody (ie. <i>khul</i> , <i>rak</i> , <i>gari</i> , etc)
3.	<b>Distance</b>	Record the distance, in miles, from the village.
4.	<b>Waterbody Type</b>	Use the same waterbody codes as those used in the Household Monitoring : 1 - Main River                      5 - Pond, Ditch, <i>maital</i> , etc. 2 - Secondary River    6 - Flood plain, <i>chak</i> 3 - <i>khal</i> 7 - <i>halot</i> , <i>gopat</i> , other flooded areas 4 - <i>beel</i>
5.	<b>Access Code</b>	<p>The codes we are using here are slightly different from those used in the Household Monitoring. These codes describe the access situation of the waterbody as a whole over the entire year. They are grouped into categories as follows :</p> <p>1 - Open access all year.</p> <p><u>Subsistence fishing allowed all year but :</u></p> <p>2 - Fixed fee or toll : people fishing for income <b>or</b> using particular types of gear pay a fee in <i>taka</i> to a leaseholder or sub-leasee in return for fisheries access to the waterbody over a particular period.</p> <p>3 - Catch share : people fishing for income <b>or</b> using particular types of gear give a share of their catch to the leaseholder or sub-leasee in return for fisheries access to the waterbody over a particular period.</p> <p>4 - Managed fishery : people are hired by the leaseholder or sub-leasee on a contract or daily basis to manage and harvest a waterbody over a particular period.</p> <p><u>Subsistence fishing <b>not</b> allowed or restricted for at least part of the year and :</u></p> <p>5 - Fixed fee or toll : people fishing for income <b>or</b> using particular types of gear pay a fee in <i>taka</i> to a leaseholder or sub-leasee in return for fisheries access to the waterbody over a particular period.</p> <p>6 - Catch share : people fishing for income <b>or</b> using particular types of gear give a share of their catch to the leaseholder or sub-leasee in return for fisheries access to the waterbody over a particular period.</p> <p>7 - Managed fishery : people are hired by the leaseholder or sub-leasee on a contract or daily basis to manage and harvest a waterbody over a particular period.</p>
6.	<b>Perennial / Seasonal</b>	<p>1 - Perennial : water remains in the waterbody all year round during a normal year. For rivers, there is water <b>flow</b> all year round.</p> <p>2 - Seasonal : water drains out or evaporates for a portion of the year during a normal year. For rivers, water <b>flow</b> stops over a particular period.</p>

7.	<b>Ranking</b>	Ask respondents to rank the importance of each waterbody <b>for fisheries and for the people in that village</b> . In this section, leave the definition of "importance" general. Get people to decide for themselves which waterbodies are most and least important for them and put down the ranking.
8.	<b>20 years ago (before Independence)</b>	Collect the same data as above for the period before Independence (say 1960s-70s). You will probably not be able to get as many waterbodies recalled or as much detail but cover as many as possible, using the list of waterbodies fished now as a checklist.
9.	<b>40 years ago (before Partition)</b>	Collect the same data as above for the period 40 years ago before Partition (say 1930s-40s). You will probably not be able to get as many waterbodies recalled or as much detail but cover as many as possible, using the list of waterbodies fished now as a checklist. For this data you will have to talk to older respondents.



## SECTION 2 : HISTORY & ACCESS

For the second section of the questionnaire, choose the 4 waterbodies which respondents rank as being most important **now**. For this section, ignore the ranking given to waterbodies in the past. Then collect the more detailed information about only those waterbodies.

1.	<b>Region, Village Code, &amp; Page No.</b>	In this box, record the region (NC, NW, NE or SW) and the code of the village which you are talking about (2-1, 3-4, etc). Fill in the Page No. according to which ranked waterbodies are recorded on that sheet. For a particular village, record Waterbodies Ranked 1 & 2 on page No.2, Waterbodies Ranked 3 & 4 on Page No.3.
2.	<b>Waterbody Rank No.</b>	Put down the rank given by respondents of this particular waterbody in terms of fisheries importance.
3.	<b>Waterbody Sl.No.</b>	Give the serial number of this particular waterbody from the left-hand column of the Waterbody Inventory & History form.
4.	<b>Waterbody Name</b>	Give the local name as recorded on the Waterbody Inventory & History form.
5.	<b>Inside / Outside</b>	Record whether the waterbody is inside or outside a FCD/I scheme. 1 - Inside                      2 - Outside
	<b>Leaseholders</b>	
6.	<b>Residence</b>	If the waterbody is leased out, record where the leaseholder is normally resident now, 20 years ago & 40 years ago : 1 - Same Village      3 - Same <i>thana</i> 5 - Outside 2 - Same Union      4 - Same District      District
7.	<b>Social/ Occupational Group</b>	Give the social / occupational group of the leaseholder now, 20 years ago & 40 years ago using the following codes : 1 - Farmer / Landowner      5 - Moneylender 2 - Traditional Fishermen      6 - Local Official / Politician 3 - Fisheries Leaseholders      7 - Other 4 - Fish Trader
	<b>Fish Production</b>	
8.	<b>Change since Independence</b>	Give the estimated percentage change, either + or -, in fisheries production from this waterbody over the last 20 years since Independence. So, if respondents say that current fish production is about 20% of what it used to be before Independence, record the change as "- 80%".
	<b>Access &amp; Enforcement</b>	
9.	<b>Management Type</b>	Describe the type of management using the same access codes used for the Waterbody Inventory & History sheet, but specify any changes in status at different times of the year. There will commonly be differences between the flood season (Joistra - Ashwin(2-6)) and the drawdown period (Kartik - Falgoon(7-11)).
10.	<b>Enforcement Period</b>	Note down the months in which that type of management is normally in force, using the numbers of the relevant Bangla months : 1 - Baishak                      5 - Bhadra                      9 - Poush 2 - Joistra                      6 - Ashwin                      10 - Magh 3 - Ashar                      7 - Kartik                      11 - Falgoon 4 - Sraban                      8 - Augrahan                      12 - Choitra

11.	<b>Severity</b>	Where relevant, record the severity with which that particular type of management is enforced during that period, using the following codes : 1 - very strictly / occasional violence 2 - strictly 3 - moderate 4 - lax 5 - not enforced
	<b>Period &amp; People Fishing</b>	
12.	<b>Traditional Fishermen</b>	Note the months during which traditional fishermen usually have access, by whatever means, to this waterbody for fishing. Use the Bangla month codes. If any problems arise about definitions, "traditional" fishermen, whether Hindu or Muslim, are people whose families have been fishing for more than 2 generations.
13.	<b>Ratio Traditional Fishermen : Farmers</b>	Record the ratio between "traditional" fishermen and non-traditional fishermen observed by respondents on this waterbody for the different periods of the year when traditional fishermen fish.
13.	<b>Seasonal / Non-Traditional Fishermen</b>	Note the months during which seasonal, non-traditional fishermen usually have access, by whatever means, to this waterbody for fishing. Use the Bangla month codes.
14.	<b>Proportion of Local Farmers / Labourers Fishing for Income</b>	Record respondent's impressions about the proportion of local farmers & labourers who engage in fishing for income on a seasonal basis.



## 7.5 Copies of Survey Forms

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## 2. HISTORY &amp; ACCESS

Region	Village Code	Page No.
NC	4-2	2

WATERBODY RANK. NO.	WATERBODY SL. NO.	WATERBODY NAME :	WATERBODY TYPE	INSIDE / OUT SIDE
1	1	Diabari Beel	4	2

## LEASEHOLDERS

Residence			Social / Occupational Group		
NOW	20 YEARS AGO	40 YEARS AGO	NOW	20 YEARS AGO	40 YEARS AGO
2	2	-	2	2	-

FISH PRODUCT.
Proportion of catch at Independence
25 %

## ACCESS &amp; ENFORCEMENT

Access Type	NOW				20 YEARS AGO				40 YEARS AGO			
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
Enforcement Period	from 8	to 12	from	to	from 8	to 12	from	to	from 8	to 12	from	to
Severity	4				4				5			

## BEEL FISHERIES

	NOW	20 YEARS AGO	40 YEARS AGO
Enforcement outside legal boundaries (Y/N)	N	N	N
JODPLAINS			
	NOW	20 YEARS AGO	40 YEARS AGO
Khas land ? (Y/N)	Y	Y	Y
Fishpits on private land (Y/N)	N	N	N
Fishpits on Khas land (Y/N)	N	N	Y
Decline in Khas land (Y/N)	N		

## PERIOD of FISHING

	NOW				20 YEARS AGO				40 YEARS AGO			
	from	to	from	to	from	to	from	to	from	to	from	to
Professional fishermen		3			3	2						
Seasonal / Subsistence Fishermen	3	2							11	12		

## PEOPLE FISHING

	NOW	20 YEARS AGO	40 YEARS AGO
Pro - Professional to subsistence/seasonal fishermen	25:75	80:20	97:3
Proportion of Local Farmers/Labourers involved in seasonal fishing for income	10 %	3 %	%

## 1. WATERBODY INVENTORY

5th

Region	Village Code
NC	A-2

NOW						
No.	Local Name of Waterbody	code	Waterbody Type	Access Code	Perennial / Seasonal	Ranking
1.	Diabari beel	14	4	2	1	1
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

## YEARS AGO (BEFORE INDEPENDENCE)

No.	Local Name of Waterbody		Waterbody Type	Access Code	Perennial / Seasonal	Ranking
1.	Diabari beel	14	4	2	1	1
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

## 40 YEARS AGO (BEFORE PARTITION)

No.	Local Name of Waterbody		Waterbody Type	Access Code	Perennial / Seasonal	Ranking
1.	Diabari beel	14	4	2	1	1
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						



## 8 MARKETING STUDY

### 8.1 List of Database Files

1. Form-MS01 : Information on market characteristics and infrastructures  
MS1CI.DBF  
MS1SG.DBF  
MS1XX.DBF
2. Form-MS02 : Information on fish market functionaries  
MS2FF.DBF
3. Form-MS03 : Information on market cost  
MS3MC.DBF
4. Form-MS04 : Information on fish market Arotdari System  
MS4AR.DBF
5. Form-MS05 : Information on fish collection process  
MS5CP.DBF
6. Form-MS06 : Information on fish market Retailing System  
MS6RE.DBF
7. Form-MS07 : Information on ice plants/factories  
MS7PF.DBF  
MS7MKTS.DBF
8. Form-MS08 : Information on transporting agency  
MS8TA.DBF
9. Form-MP01 : Information on quantities and prices of fish  
MP1QF.DBF      traded by respondents
10. Form-MPM : Information on Fish price monitoring  
FPM.DBF
11. Form-MPMR : Information on Fish price monitoring  
FPMR.DBF      (retrospective)
12. SF\_CODE.DBF contains codes of fishes used in market survey
13. SPGROUP.DBF contains code of fish-groups used in market survey
14. MARKET.DBF contains codes of all markets (with thana, districts)

## 8.2 Structure of Databases

### 8.2.1 Structure for database: MS1CI.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	SDATE	Date	8		N
5	NATURE	Numeric	1		N
6	FISH_GM	Character	1		N
7	MKAREA	Character	7		N
8	FISHAREA	Character	7		N
9	COVAREA	Character	5		N
10	OPNAREA	Character	5		N
11	SHEDS	Numeric	3		N
12	SHEDTYPE	Numeric	1		N
13	ICEPLNT	Numeric	1		N
14	KM1	Numeric	1		N
15	KM1C	Numeric	5	1	N
16	KM1_5	Numeric	1		N
17	KM1_5C	Numeric	5	1	N
18	KM6_10	Numeric	1		N
19	KM6_10C	Numeric	5	1	N
20	LP	Numeric	1		N
21	LP_SIZE	Character	5		N
22	LPTYPE	Numeric	1		N
23	RETL_F	Numeric	1		N
24	WORK_F	Numeric	1		N
25	WHOL_F	Numeric	1		N
26	WEIG_S	Numeric	1		N
27	BANK_F	Character	1		N
28	TELC_F	Character	1		N
29	SORT_S	Character	1		N
30	PKG_MD	Numeric	3		N
31	PKG_WB	Numeric	3		N
32	PKG_BB	Numeric	3		N
33	PKG_MAT	Character	3		N
34	PP_FROM	Numeric	2		N
35	PP_TO	Numeric	2		N
36	LP_FROM1	Numeric	2		N
37	LP_TO1	Numeric	2		N
38	LP_FROM2	Numeric	2		N
39	LP_TO2	Numeric	2		N
40	P_FMAN	Numeric	4		N
41	L_FMAN	Numeric	4		N

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Field	Field Name	Type	Width	Dec	Index
42	P_FARIA	Numeric	4		N
43	L_FARIA	Numeric	4		N
44	P_BEPAR	Numeric	4		N
45	L_BEPAR	Numeric	4		N
46	P_PAIKR	Numeric	4		N
47	L_PAIKR	Numeric	4		N
48	P_CHALNI	Numeric	4		N
49	L_CHALNI	Numeric	4		N
50	P_AROTDR	Numeric	4		N
51	L_AROTDR	Numeric	4		N
52	P_NIKARI	Numeric	4		N
53	L_NIKARI	Numeric	4		N
54	P_CONSMR	Numeric	4		N
55	L_CONSMR	Numeric	4		N
56	P_EXPVOL	Numeric	4		N
57	L_EXPVOL	Numeric	4		N
58	IM_HL	Numeric	3		N
59	EX_HL	Numeric	3		N
60	IM_BOAT	Numeric	3		N
61	EX_BOAT	Numeric	3		N
62	IM_MBOAT	Numeric	3		N
63	EX_MBOAT	Numeric	3		N
64	IM_RV	Numeric	3		N
65	EX_RV	Numeric	3		N
66	IM_BUS	Numeric	3		N
67	EX_BUS	Numeric	3		N
68	IM_TRUCK	Numeric	3		N
69	EX_TRUCK	Numeric	3		N
70	IM_RAIL	Numeric	3		N
71	EX_RAIL	Numeric	3		N
72	SAT_M	Numeric	1		N
73	SUN_M	Numeric	1		N
74	MON_M	Numeric	1		N
75	TUE_M	Numeric	1		N
76	WED_M	Numeric	1		N
77	THU_M	Numeric	1		N
78	FRI_M	Numeric	1		N
79	SAT_A	Numeric	1		N
80	SUN_A	Numeric	1		N
81	MON_A	Numeric	1		N
82	TUE_A	Numeric	1		N
83	WED_A	Numeric	1		N
84	THU_A	Numeric	1		N
85	FRI_A	Numeric	1		N
86	SAT_E	Numeric	1		N
87	SUN_E	Numeric	1		N

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Field	Field Name	Type	Width	Dec	Index
88	MON_E	Numeric	1		N
89	TUE_E	Numeric	1		N
90	WED_E	Numeric	1		N
91	THU_E	Numeric	1		N
92	FRI_E	Numeric	1		N
93	DAILY_M	Numeric	1		N
94	DAILY_A	Numeric	1		N
95	DAILY_E	Numeric	1		N
96	FORM	Character	4		N
97	SHEET	Numeric	1		N
98	BATCH	Character	6		N
** Total **			249		

#### 8.2.2 Structure for database: MS1SG.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	SDATE	Date	8		N
5	SORT_S	Character	1		N
6	SGSYS	Memo	10		N
7	FORM	Character	4		N
8	SHEET	Numeric	1		N
9	BATCH	Character	6		N
** Total **			35		

#### 8.2.3 Structure for database: MS1XX.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	SDATE	Date	8		N
5	LK_ID	Numeric	2		N
6	LINK	Character	2		N
7	MKNAME	Character	15		N
8	UNION	Character	15		N
9	THANA	Character	15		N
10	FORM	Character	4		N
11	SHEET	Numeric	1		N
12	BATCH	Character	6		N
** Total **			73		



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#### 8.2.4 Structure for database: MS2FF.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	RESP	Numeric	2		N
5	SDATE	Date	8		N
6	RESTYPE	Numeric	1		N
7	AGE	Numeric	3		N
8	RELIGION	Numeric	1		N
9	RES	Numeric	1		N
10	MKT_NOS	Numeric	1		N
11	YRS_FT	Numeric	2		N
12	INVOL_FT	Numeric	1		N
13	REST_YR	Numeric	1		N
14	MCQTY_P	Numeric	4		N
15	MCPRC_P	Numeric	3		N
16	ECQTY_P	Numeric	3		N
17	ECPRC_P	Numeric	3		N
18	SHQTY_P	Numeric	3		N
19	SHPRC_P	Numeric	3		N
20	OLQTY_P	Numeric	3		N
21	OLPRC_P	Numeric	3		N
22	LFQTY_P	Numeric	3		N
23	LFPRC_P	Numeric	3		N
24	SFQTY_P	Numeric	3		N
25	SFPRC_P	Numeric	3		N
26	HIQTY_P	Numeric	3		N
27	HIPRC_P	Numeric	3		N
28	MCQTY_L	Numeric	3		N
29	MCPRC_L	Numeric	3		N
30	ECQTY_L	Numeric	3		N
31	ECPRC_L	Numeric	3		N
32	SHQTY_L	Numeric	3		N
33	SHPRC_L	Numeric	3		N
34	OLQTY_L	Numeric	3		N
35	OLPRC_L	Numeric	3		N
36	LFQTY_L	Numeric	3		N
37	LFPRC_L	Numeric	3		N
38	SFQTY_L	Numeric	3		N
39	SFPRC_L	Numeric	3		N
40	HIQTY_L	Numeric	3		N
41	HIPRC_L	Numeric	3		N
42	OWN_P	Numeric	3		N
43	OWN_L	Numeric	3		N
44	FMAN_P	Numeric	3		N

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Field	Field Name	Type	Width	Dec	Index
45	FMAN_L	Numeric	3		N
46	FARIA_P	Numeric	3		N
47	FARIA_L	Numeric	3		N
48	BEPARI_P	Numeric	3		N
49	BEPARI_L	Numeric	3		N
50	FCOOP_P	Numeric	3		N
51	FCOOP_L	Numeric	3		N
52	AROTDR_P	Numeric	3		N
53	AROTDR_L	Numeric	3		N
54	SELL_SP	Character	1		N
55	REASN_SP	Numeric	1		N
56	DAYS_CHL	Numeric	1		N
57	AMT_CHL	Numeric	5		N
58	OWN_WC	Numeric	5		N
59	PART_WC	Numeric	5		N
60	CRED_WC	Numeric	5		N
61	BANK_CR	Numeric	5		N
62	BANK_INT	Numeric	3		N
63	BANK_PR	Numeric	3		N
64	BANK_UNT	Character	1		N
65	MAHA_CR	Numeric	5		N
66	MAHA_INT	Numeric	3		N
67	MAHA_PR	Numeric	3		N
68	MAHA_UNT	Character	1		N
69	AROT_CR	Numeric	5		N
70	AROT_INT	Numeric	3		N
71	AROT_PR	Numeric	3		N
72	AROT_UNT	Character	1		N
73	BEPA_CR	Numeric	5		N
74	BEPA_INT	Numeric	3		N
75	BEPA_PR	Numeric	3		N
76	BEPA_UNT	Character	3		N
77	COOP_CR	Numeric	5		N
78	COOP_INT	Numeric	3		N
79	COOP_PR	Numeric	3		N
80	COOP_UNT	Character	1		N
81	FR_CR	Numeric	5		N
82	FR_INT	Numeric	2		N
83	FR_PR	Numeric	3		N
84	FR_UNT	Character	1		N
85	TRANS	Numeric	1		N
86	LOSS	Numeric	1		N
87	SUGGEST	Memo	10		N
88	FORM	Character	4		N
89	SHEET	Numeric	1		N
90	BATCH	Character	6		N

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**\*\* Total \*\***

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8.2.5 Structure for database: MS3MC.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	SDATE	Date	8		N
5	RESP	Numeric	2		N
6	RESTYPE	Numeric	1		N
7	BP_MC	Numeric	1		N
8	BP_TL	Numeric	2		N
9	BP_SC	Numeric	2		N
10	BP_SA	Numeric	2		N
11	BP_DT	Numeric	2		N
12	BP_PE	Numeric	3		N
13	PC_DMD	Numeric	4		N
14	PC_PMD	Numeric	4		N
15	PC_DBSKT	Numeric	4		N
16	PC_BSKT	Numeric	3		N
17	PC_DJUTE	Numeric	4		N
18	PC_JUTE	Numeric	3		N
19	PC_DPOLY	Numeric	3		N
20	PC_POLY	Numeric	2		N
21	PC_LAB	Numeric	3		N
22	PC_ICQ	Numeric	3		N
23	PC_ICP	Numeric	3		N
24	PC_NR	Numeric	2		N
25	HL_D	Numeric	6	2	N
26	HL_T	Numeric	5	2	N
27	HL_H	Numeric	4		N
28	BM_D	Numeric	6	2	N
29	BM_T	Numeric	5	2	N
30	BM_H	Numeric	4		N
31	RV_D	Numeric	6	2	N
32	RV_T	Numeric	5	2	N
33	RV_H	Numeric	4		N
34	BUS_D	Numeric	6	2	N
35	BUS_T	Numeric	5	2	N
36	BUS_H	Numeric	4		N
37	TRUCK_D	Numeric	6	2	N
38	TRUCK_T	Numeric	5	2	N
39	TRUCK_H	Numeric	4		N
40	RAIL_D	Numeric	6	2	N
41	RAIL_T	Numeric	5	2	N

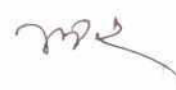
1722

Field	Field Name	Type	Width	Dec	Index
42	RAIL_H	Numeric	4		N
43	BILL	Numeric	3		N
44	FERRY	Numeric	3		N
45	PORTER	Numeric	3		N
46	SP_TYPE	Numeric	1		N
47	SP_MT	Numeric	5	2	N
48	SP_WC	Numeric	5	2	N
49	SP_SC	Numeric	5	2	N
50	SP_ACQ	Numeric	5	2	N
51	SP_ICP	Numeric	5	2	N
52	SP_SA	Numeric	5	2	N
53	SP_DT	Numeric	5	2	N
54	SP_BC	Numeric	6	2	N
55	SP_BKC	Numeric	6	2	N
56	SP_AROT	Numeric	6	2	N
57	MISC	Numeric	6	2	N
58	AROTCOMM	Numeric	6	2	N
59	AC_TK	Numeric	7	2	N
60	FORM	Character	4		N
61	SHEET	Numeric	1		N
62	BATCH	Character	6		N
<b>** Total **</b>			<b>249</b>		

#### 8.2.6 Structure for database: MS4AR.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	RESP	Numeric	2		N
5	SDATE	Date	8		N
6	RESPTYPE	Numeric	1		N
7	AGE	Numeric	3		N
8	RELIGION	Numeric	1		N
9	RES	Numeric	1		N
10	AROTDARI	Numeric	2		N
11	FATH_AR	Character	1		N
12	BOTH_AR	Character	1		N
13	MCQTY_P	Numeric	4		N
14	MCPRC_P	Numeric	4		N
15	ECQTY_P	Numeric	4		N
16	ECPRC_P	Numeric	4		N
17	SHQTY_P	Numeric	4		N
18	SHPRC_P	Numeric	4		N
19	OLQTY_P	Numeric	4		N





Field	Field Name	Type	Width	Dec	Index
20	OLPRC_P	Numeric	4		N
21	LFQTY_P	Numeric	4		N
22	LFPRC_P	Numeric	4		N
23	SFQTY_P	Numeric	4		N
24	SFPRC_P	Numeric	4		N
25	HIQTY_P	Numeric	6		N
26	HIPRC_P	Numeric	4		N
27	MCQTY_L	Numeric	4		N
28	MCPRC_L	Numeric	4		N
29	ECQTY_L	Numeric	4		N
30	ECPRC_L	Numeric	4		N
31	SHQTY_L	Numeric	4		N
32	SHPRC_L	Numeric	4		N
33	OLQTY_L	Numeric	4		N
34	OLPRC_L	Numeric	4		N
35	LFQTY_L	Numeric	4		N
36	LFPRC_L	Numeric	4		N
37	SFQTY_L	Numeric	4		N
38	SFPRC_L	Numeric	4		N
39	HIQTY_L	Numeric	6		N
40	HIPRC_L	Numeric	4		N
41	FMAN_P	Numeric	3		N
42	FMAN_L	Numeric	3		N
43	FARIA_P	Numeric	3		N
44	FARIA_L	Numeric	3		N
45	BEPARI_P	Numeric	3		N
46	BEPARI_L	Numeric	3		N
47	FCOOP_P	Numeric	3		N
48	FCOOP_L	Numeric	3		N
49	OTH_P	Numeric	3		N
50	OTH_L	Numeric	3		N
51	VT_INCR	Numeric	3		N
52	VT_DECR	Numeric	3		N
53	INC_INCR	Numeric	3		N
54	INC_DECR	Numeric	3		N
55	CTV_AVL	Numeric	1		N
56	CTV_DEM	Numeric	1		N
57	CTV_CMPT	Numeric	1		N
58	CTV_INVS	Numeric	1		N
59	CIN_QTY	Numeric	1		N
60	CIN_DEM	Numeric	1		N
61	CIN_HIP	Numeric	1		N
62	CIN_LOP	Numeric	1		N
63	FR_LAST5	Character	1		N
64	SILT_RKB	Numeric	1		N
65	FCD	Numeric	1		N

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Field	Field Name	Type	Width	Dec	Index
66	OVR_FISH	Numeric	1		N
67	AGROCHEM	Numeric	1		N
68	IL_FNETS	Numeric	1		N
69	DISEASE	Numeric	1		N
70	OTHERS	Numeric	1		N
71	FXD_SUPL	Character	1		N
72	REL_SUST	Numeric	1		N
73	SC_OWN	Numeric	7		N
74	SC_PARTN	Numeric	7		N
75	SC_CRDT	Numeric	7		N
76	BANK_CR	Numeric	7		N
77	BANK_INT	Numeric	7	2	N
78	BANK_PR	Numeric	3		N
79	BANK_UNT	Character	1		N
80	MOHA_CR	Numeric	6		N
81	MOHA_INT	Numeric	6	2	N
82	MOHA_PR	Numeric	3		N
83	MOHA_UNT	Character	1		N
84	COOP_CR	Numeric	6		N
85	COOP_INT	Numeric	6	2	N
86	COOP_PR	Numeric	3		N
87	COOP_UNT	Character	1		N
88	RELA_CR	Numeric	6		N
89	RELA_INT	Numeric	6	2	N
90	RELA_PR	Numeric	3		N
91	RELA_UNT	Character	1		N
92	MAIN_SIP	Numeric	1		N
93	MMBR_TRA	Character	1		N
94	BENEFIT	Numeric	1		N
95	COST_OE	Numeric	4		N
96	COST_WM	Numeric	4		N
97	COST_HL	Numeric	4		N
98	COST_RS	Numeric	4		N
99	COST_PW	Numeric	4		N
100	COST_OS	Numeric	4		N
101	COST_MG	Numeric	4		N
102	COST_SC	Numeric	4		N
103	COST_WC	Numeric	4		N
104	COST_SA	Numeric	4		N
105	COST_DT	Numeric	4		N
106	COST_BC	Numeric	4		N
107	COST_TX	Numeric	4		N
108	COST_TL	Numeric	4		N
109	BF_COMM	Numeric	6	2	N
110	BF_COMMD	Numeric	6	2	N
111	BF_FIS	Numeric	6	2	N

Field	Field Name	Type	Width	Dec	Index
112	SUGS_FT	Memo	10		N
113	SUGS_FP	Memo	10		N
114	FORM	Character	4		N
115	SHEET	Numeric	1		N
116	BATCH	Character	6		N
<b>** Total **</b>			<b>396</b>		

### 8.2.7 Structure for database: MS5CP.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	RESP	Numeric	2		N
5	SDATE	Date	8		N
6	RESPTYPE	Numeric	1		N
7	AGE	Numeric	3		N
8	RELIGION	Numeric	1		N
9	PONDOWNR	Character	1		N
10	FSH_WHR	Numeric	1		N
11	FSH_TODA	Numeric	1		N
12	MKT_SELL	Numeric	1		N
13	CRDT_FT	Character	1		N
14	FARIA_CT	Numeric	1		N
15	FARIA_CR	Numeric	5		N
16	FARIA_CN	Character	1		N
17	FARIA_PC	Numeric	6	2	N
18	FARIA_PP	Character	1		N
19	BEPAR_CT	Numeric	1		N
20	BEPAR_CR	Numeric	5		N
21	BEPAR_CN	Character	1		N
22	BEPAR_PC	Numeric	6	2	N
23	BEPAR_PP	Character	1		N
24	AROT_CT	Numeric	1		N
25	AROT_CR	Numeric	5		N
26	AROT_CN	Character	1		N
27	AROT_PC	Numeric	6	2	N
28	AROT_PP	Character	1		N
29	CHALA_CT	Numeric	1		N
30	CHALA_CR	Numeric	5		N
31	CHALA_CN	Character	1		N
32	CHALA_PC	Numeric	6	2	N
33	CHALA_PP	Character	1		N
34	FR_LAST5	Character	1		N
35	SILT_RKB	Numeric	1		N

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Field	Field Name	Type	Width	Dec	Index
36	FCD	Numeric	1		N
37	OVR_FISH	Numeric	1		N
38	AGROCHEM	Numeric	1		N
39	IL_FNETS	Numeric	1		N
40	DISEASE	Numeric	1		N
41	OTHERS	Numeric	1		N
42	FARIA_F	Numeric	5		N
43	FARIA_C	Numeric	5		N
44	BEPAR_F	Numeric	5		N
45	BEPAR_C	Numeric	5		N
46	AROT_F	Numeric	5		N
47	AROT_C	Numeric	5		N
48	CHALA_F	Numeric	5		N
49	CHALA_C	Numeric	5		N
50	FORM	Character	4		N
51	SHEET	Numeric	1		N
52	BATCH	Character	6		N
<b>** Total **</b>			<b>140</b>		

#### 8.2.8 Structure for database: MS6RE.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	RESP	Numeric	2		N
5	SDATE	Date	8		N
6	RESPTYPE	Numeric	1		N
7	AGE	Numeric	3		N
8	RELIGION	Numeric	1		N
9	RES	Numeric	1		N
10	MKT_NOS	Numeric	1		N
11	YRS_FT	Numeric	2		N
12	INVOL_FT	Numeric	1		N
13	REST_YR	Numeric	1		N
14	MCQTY_P	Numeric	3		N
15	MCPRC_P	Numeric	3		N
16	ECQTY_P	Numeric	3		N
17	ECPRC_P	Numeric	3		N
18	SHQTY_P	Numeric	3		N
19	SHPRC_P	Numeric	3		N
20	OLQTY_P	Numeric	3		N
21	OLPRC_P	Numeric	3		N
22	LFQTY_P	Numeric	3		N
23	LFPRC_P	Numeric	3		N



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Field	Field Name	Type	Width	Dec	Index
24	SFQTY_P	Numeric	3		N
25	SFPRC_P	Numeric	3		N
26	HIQTY_P	Numeric	3		N
27	HIPRC_P	Numeric	3		N
28	MCQTY_L	Numeric	3		N
29	MCPRC_L	Numeric	3		N
30	ECQTY_L	Numeric	3		N
31	ECPRC_L	Numeric	3		N
32	SHQTY_L	Numeric	3		N
33	SHPRC_L	Numeric	3		N
34	OLQTY_L	Numeric	3		N
35	OLPRC_L	Numeric	3		N
36	LFQTY_L	Numeric	3		N
37	LFPRC_L	Numeric	3		N
38	SFQTY_L	Numeric	3		N
39	SFPRC_L	Numeric	3		N
40	HIQTY_L	Numeric	3		N
41	HIPRC_L	Numeric	3		N
42	OWN_P	Numeric	3		N
43	OWN_L	Numeric	3		N
44	FMAN_P	Numeric	3		N
45	FMAN_L	Numeric	3		N
46	FARIA_P	Numeric	3		N
47	FARIA_L	Numeric	3		N
48	BEPARI_P	Numeric	3		N
49	BEPARI_L	Numeric	3		N
50	FCOOP_P	Numeric	3		N
51	FCOOP_L	Numeric	3		N
52	AROTDR_P	Numeric	3		N
53	AROTDR_L	Numeric	3		N
54	CB_LAST5	Character	1		N
55	VT_INCR	Numeric	3		N
56	VT_DECR	Numeric	3		N
57	INC_INCR	Numeric	3		N
58	INC_DECR	Numeric	3		N
59	CB_AVL	Numeric	1		N
60	CB_CMPT	Numeric	1		N
61	CB_HIP	Numeric	1		N
62	CB_DEM	Numeric	1		N
63	FR_LAST5	Character	1		N
64	SILT_RKB	Numeric	1		N
65	FCD	Numeric	1		N
66	OVR_FISH	Numeric	1		N
67	AGROCHEM	Numeric	1		N
68	IL_FNETS	Numeric	1		N
69	DISEASE	Numeric	1		N

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Field	Field Name	Type	Width	Dec	Index
70	OTHERS	Numeric	1		N
71	SC_OWN	Numeric	6		N
72	SCO_REM	Character	50		N
73	SC_PART	Numeric	6		N
74	SCP_REM	Character	50		N
75	SC_CRDT	Numeric	6		N
76	SCC_REM	Character	50		N
77	BANK_CR	Numeric	5		N
78	BANK_INT	Numeric	2		N
79	BANK_PR	Numeric	3		N
80	BANK_UNT	Character	1		N
81	MAHA_CR	Numeric	5		N
82	MAHA_INT	Numeric	2		N
83	MAHA_PR	Numeric	3		N
84	MAHA_UNT	Character	1		N
85	AROT_CR	Numeric	5		N
86	AROT_INT	Numeric	2		N
87	AROT_PR	Numeric	3		N
88	AROT_UNT	Character	1		N
89	BEPA_CR	Numeric	5		N
90	BEPA_INT	Numeric	2		N
91	BEPA_PR	Numeric	3		N
92	BEPA_UNT	Character	1		N
93	COOP_CR	Numeric	5		N
94	COOP_INT	Numeric	2		N
95	COOP_PR	Numeric	3		N
96	COOP_UNT	Character	1		N
97	FR_CR	Numeric	5		N
98	FR_INT	Numeric	2		N
99	FR_PR	Numeric	3		N
100	FR_UNT	Character	1		N
101	EXT_WT	Character	1		N
102	EW_SYS	Numeric	2		N
103	MMBR_TRA	Character	1		N
104	BENEFIT	Numeric	1		N
105	FORM	Character	4		N
106	SHEET	Numeric	1		N
107	BATCH	Character	6		N
** Total **			421		

#### 8.2.9 Structure for database: MS7PF.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N

mt

Field	Field Name	Type	Width	Dec	Index
3	MKSL	Numeric	1		N
4	RESP	Numeric	2		N
5	SDATE	Date	8		N
6	RESPTYPE	Numeric	1		N
7	ENT_NAME	Character	30		N
8	AGE	Numeric	3		N
9	RELIGION	Numeric	1		N
10	DESIG	Character	10		N
11	YR_ESTB	Numeric	2		N
12	CAPACITY	Numeric	5	2	N
13	BL_S_QTY	Numeric	5		N
14	BL_S_PRC	Numeric	5	2	N
15	BL_O_QTY	Numeric	4		N
16	BL_O_PRC	Numeric	5	2	N
17	FL_S_QTY	Numeric	5		N
18	FL_S_PRC	Numeric	5	2	N
19	FL_O_QTY	Numeric	4		N
20	FL_O_PRC	Numeric	5	2	N
21	ICE_BL	Numeric	3		N
22	ICE_FL	Numeric	3		N
23	FISH_BL	Numeric	3		N
24	FISH_FL	Numeric	3		N
25	RE_BL	Numeric	3		N
26	RE_FL	Numeric	3		N
27	OTH_BL	Numeric	3		N
28	OTH_FL	Numeric	3		N
29	OPER_NC	Character	1		N
30	QTY_NC	Numeric	2		N
31	DELIVERY	Numeric	1		N
32	FORM	Character	4		N
33	SHEET	Numeric	1		N
34	BATCH	Character	6		N
<b>** Total **</b>			<b>144</b>		

#### 8.2.10 Structure for database: MS7MKTS.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	RESP	Numeric	2		N
5	SDATE	Date	8		N
6	RESPTYPE	Numeric	1		N
7	FSH_MKTS	Character	12		N
8	THANA	Character	12		N

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Field	Field Name	Type	Width	Dec	Index
9	DISTANCE	Numeric	5	2	N
10	FORM	Character	4		N
11	SHEET	Numeric	1		N
12	BATCH	Character	6		N

\*\* Total \*\*

56

## 8.2.11 Structure for database: MS8TA.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	RESP	Numeric	2		N
5	SDATE	Date	8		N
6	RESPTYPE	Numeric	1		N
7	TA_NAME	Character	30		N
8	AGE	Numeric	3		N
9	RELIGION	Numeric	1		N
10	DESIG	Character	10		N
11	MKT_ORIG	Character	12		N
12	THA_ORIG	Character	12		N
13	MKT_DEST	Character	12		N
14	THA_DEST	Character	12		N
15	DISTANCE	Numeric	3		N
16	COST	Numeric	6	2	N
17	FORM	Character	4		N
18	SHEET	Numeric	1		N
19	BATCH	Character	6		N

\*\* Total \*\*

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## 8.2.12 Structure for database: MP1QF.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKSL	Numeric	2		N
3	RESP	Numeric	3		N
4	SDATE	Date	8		N
5	MKTYPE	Numeric	1		N
6	RESTYPE	Numeric	1		N
7	BUNDLE	Numeric	2		N
8	SPCODE	Numeric	3		N
9	SPNAME	Character	15		N
10	PCNT	Numeric	3		N
11	WT_PCS	Numeric	5	1	N



Field	Field Name	Type	Width	Dec	Index
12	BND_WT	Numeric	8	2	N
13	DND_BP	Numeric	7		N
14	BND_SP	Numeric	7		N
15	KG_BP	Numeric	8	2	N
16	KG_SP	Numeric	8	2	N
17	FORM	Character	4		N
18	SHEET	Numeric	1		N
19	BATCH	Character	6		N
** Total **			95		

## 8.2.13 Structure for database: FPM.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	DATE	Date	8		N
5	FISHGR	Numeric	2		N
6	FCODE	Numeric	3		N
7	SIZE	Character	1		N
8	OBSV1	Numeric	3		N
9	OBSV2	Numeric	3		N
10	OBSV3	Numeric	3		N
11	OBSV4	Numeric	3		N
12	B_NAME	Character	20		N
13	FORM	Character	4		N
14	BATCH	Character	6		N
** Total **			61		



## 8.2.14 Structure for database: FPMR.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKTYPE	Numeric	1		N
3	MKSL	Numeric	1		N
4	MONTH	Character	3		N
5	FISHGR	Numeric	2		N
6	FCODE	Numeric	3		N
7	SIZE	Character	1		N
8	OBSV1	Numeric	3		N
9	OBSV2	Numeric	3		N
10	OBSV3	Numeric	3		N
11	B_NAME	Character	20		N
12	FORM	Character	4		N

Field	Field Name	Type	Width	Dec	Index
13	BATCH	Character	6		N
<b>** Total **</b>			<b>53</b>		

## 8.2.15 Structure for database: SF\_CODE.DBF

Field	Field Name	Type	Width	Dec	Index
1	FISHGR	Numeric	2		N
2	CODE	Numeric	3		N
3	SIZE	Character	1		N
4	B_NAME	Character	20		N
5	DEMO1	Character	1		N
<b>** Total **</b>			<b>28</b>		

## 8.2.16 Structure for database: SPGROUP.DBF

Field	Field Name	Type	Width	Dec	Index
1	SPPGR	Numeric	2		N
2	FGROUP	Character	20		N
<b>** Total **</b>			<b>23</b>		

## 8.2.17 Structure for database: MARKET.DBF

Field	Field Name	Type	Width	Dec	Index
1	REGION	Character	2		N
2	MKSL	Numeric	1		N
3	MKTYPE	Numeric	1		N
4	MKNAME	Character	20		N
5	UNION	Character	20		N
6	THANA	Character	20		N
7	DISTRICT	Character	20		N
8	DISCODE	Numeric	2		N
<b>** Total **</b>			<b>87</b>		

### 8.3 Description of Database Fields

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS1CI	1	REGION	C	2	0	Region codes NC,NE etc
MS1CI	2	MKTYPE	N	1	0	Market type code 1,2,3...
MS1CI	3	MKSL	N	1	0	Market code 1,2,3,...9
MS1CI	4	SDATE	D	8	0	Survey date as DD/MM/YY 28/12/92
MS1CI	5	NATURE	N	1	0	Code for nature of market i.e 1,2,3,...
MS1CI	6	FISH_GM	C	1	0	Fish from general market? Y/N
MS1CI	7	MKAREA	C	7	0	Market area L x W
MS1CI	8	FISHAREA	C	7	0	Fish market area L x W i.e. 030 x 020
MS1CI	9	COVAREA	C	5	0	Covered area L x W i.e. 025 X 015
MS1CI	10	OPNAREA	C	5	0	Open area L x W i.e 13 x 11
MS1CI	11	SHEDS	N	3	0	No.of permanent sheds
MS1CI	12	SHEDTYPE	N	1	0	Code for type of sheds 1,2,3 & 4
MS1CI	13	ICEPLNT	N	1	0	No. of ice plants
MS1CI	14	KM1	N	1	0	Distance within 1 Km.
MS1CI	15	KM1C	N	5	1	Capacity within 1 Km.
MS1CI	16	KM1_5	N	1	0	Distance within 1 to 5 Km
MS1CI	17	KM1_5C	N	5	1	Capacity within 1 to 5 Km
MS1CI	18	KM6_10	N	1	0	Distance within 6 to 10Km
MS1CI	19	KM6_10C	N	5	1	Capacity within 6 to 10Km
MS1CI	20	LP	N	1	0	No of landing platforms
MS1CI	21	LP_SIZE	C	5	0	Landing platform (Size)
MS1CI	22	LPTYPE	N	1	0	Landing platform (Type) i.e 1,2,3
MS1CI	23	RETL_F	N	1	0	Retailing facilities i.e 1,2,3
MS1CI	24	WORK_F	N	1	0	Dropped after designed

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<u>File</u> <u>Name</u>	<u>Field</u> <u>No.</u>	<u>Fields</u>	<u>Field</u> <u>Type</u>	<u>Width</u>	<u>Deci-</u> <u>mals</u>	<u>Description</u>
MS1CI	25	WHOL_F	N	1	0	Wholesaling facilities
MS1CI	26	WEIG_S	N	1	0	Weighing system
MS1CI	27	BANK_F	C	1	0	Banking facilities exist
MS1CI	28	TELC_F	C	1	0	Tele & comm facilities
MS1CI	29	SORT_S	C	1	0	Sorting & grading system
MS1CI	30	PKG_MD	N	3	0	%Metalic drum used
MS1CI	31	PKG_WB	N	3	0	% Wooden box used
MS1CI	32	PKG_BB	N	3	0	% Bamboo basket used
MS1CI	33	PKG_MAT	C	3	0	Code for Natural material
MS1CI	34	PP_FROM	N	2	0	Peak period from
MS1CI	35	PP_TO	N	2	0	Peak period to
MS1CI	36	LP_FROM1	N	2	0	Lean period 1 from
MS1CI	37	LP_TO1	N	2	0	Lean period 1 to
MS1CI	38	LP_FROM2	N	2	0	Lean period 1 from
MS1CI	39	LP_TO2	N	2	0	Lean period 1 to
MS1CI	40	P_FMAN	N	4	0	Fisherman at peak period
MS1CI	41	L_FMAN	N	4	0	Fisherman at lean period
MS1CI	42	P_FARIA	N	4	0	Faria at peak period
MS1CI	43	L_FARIA	N	4	0	Faria at lean period
MS1CI	44	P_BEPAI	N	4	0	Bepari at peak period
MS1CI	45	L_BEPAI	N	4	0	Bepari at lean period
MS1CI	46	P_PAIKR	N	4	0	Paikar at peak period
MS1CI	47	L_PAIKR	N	4	0	Paikar at lean period
MS1CI	48	P_CHALNI	N	4	0	Chalani at peak period
MS1CI	49	L_CHALNI	N	4	0	Chalani at lean period
MS1CI	50	P_AROTDR	N	4	0	Arotdar at peak period



<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS1CI	51	L_AROTDR	N	4	0	Arottdar at lean period
MS1CI	52	P_NIKARI	N	4	0	Nikari at peak period
MS1CI	53	L_NIKARI	N	4	0	Nikari at lean period
MS1CI	54	P_CONSMR	N	4	0	Consmr at peak period
MS1CI	55	L_CONSMR	N	4	0	Consmr at lean period
MS1CI	56	P_EXPVOL	N	4	0	Export of fish at peak
MS1CI	57	L_EXPVOL	N	4	0	Export of fish at lean
MS1CI	58	IM_HL	N	3	0	% Import by head load
MS1CI	59	EX_HL	N	3	0	% Export by head load
MS1CI	60	IM_BOAT	N	3	0	% Import by boat
MS1CI	61	EX_BOAT	N	3	0	% Export by boat
MS1CI	62	IM_MBOAT	N	3	0	% Import by mecha. boat
MS1CI	63	EX_MBOAT	N	3	0	% Export by mecha. boat
MS1CI	64	IM_RV	N	3	0	% Import by rickshaw van
MS1CI	65	EX_RV	N	3	0	% Export by rickshaw van
MS1CI	66	IM_BUS	N	3	0	% Export by rickshaw van
MS1CI	67	EX_BUS	N	3	0	% Export by bus
MS1CI	68	IM_TRUCK	N	3	0	% Import by truck
MS1CI	69	EX_TRUCK	N	3	0	% Export by truck
MS1CI	70	IM_RAIL	N	3	0	% Import by railway
MS1CI	71	EX_RAIL	N	3	0	% Export by railway
MS1CI	72	SAT_M	N	1	0	Market on Sat-morning
MS1CI	73	SUN_M	N	1	0	Market on Sun-morning
MS1CI	74	MON_M	N	1	0	Market on Mon-morning
MS1CI	75	TUE_M	N	1	0	Market on Tue-morning
MS1CI	76	WED_M	N	1	0	Market on Wed-morning

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS1CI	77	THU_M	N	1	0	Market on Thu-morning
MS1CI	78	FRI_M	N	1	0	Market on Fri-morning
MS1CI	79	SAT_A	N	1	0	Market on Sat-afternoon
MS1CI	80	SUN_A	N	1	0	Market on Sun-afternoon
MS1CI	81	MON_A	N	1	0	Market on Mon-afternoon
MS1CI	82	TUE_A	N	1	0	Market on Tue-afternoon
MS1CI	83	WED_A	N	1	0	Market on Wed-afternoon
MS1CI	84	THU_A	N	1	0	Market on Thu-afternoon
MS1CI	85	FRI_A	N	1	0	Market on Fri-afternoon
MS1CI	86	SAT_E	N	1	0	Market on Sat-evening
MS1CI	87	SUN_E	N	1	0	Market on Sun-evening
MS1CI	88	MON_E	N	1	0	Market on Mon-evening
MS1CI	89	TUE_E	N	1	0	Market on Tue-evening
MS1CI	90	WED_E	N	1	0	Market on Wed-evening
MS1CI	91	THU_E	N	1	0	Market on Thu-evening
MS1CI	92	FRI_E	N	1	0	Market on Fri-evening
MS1CI	93	DAILY_M	N	1	0	Daily (morning)
MS1CI	94	DAILY_A	N	1	0	Daily (afternoon)
MS1CI	95	DAILY_E	N	1	0	Daily (evening)
MS1CI	96	FORM	C	4	0	Used for batch control
MS1CI	97	SHEET	N	1	0	Used for batch control
MS1CI	98	BATCH	C	6	0	Used for batch control
MS1SG	1	REGION	C	2	0	Region code
MS1SG	2	MKTYPE	N	1	0	Market type code
MS1SG	3	MKSL	N	1	0	Market code
MS1SG	4	SDATE	D	8	0	Survey date

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
MS1SG	5	SORT_S	C	1	0	Sorting & grading system exist?
MS1SG	6	SGSYS	M	10	0	Description of sorting & grading sys
MS1SG	7	FORM	C	4	0	Used for batch control
MS1SG	8	SHEET	N	1	0	Used for batch control
MS1SG	9	BATCH	C	6	0	Used for batch control
MS1XX	1	REGION	C	2	0	Region code
MS1XX	2	MKTYPE	N	1	0	Market type code
MS1XX	3	MKSL	N	1	0	Market code
MS1XX	4	SDATE	D	8	0	Survey date
MS1XX	5	LK_ID	N	2	0	Used for record control
MS1XX	6	LINK	C	2	0	Linkage to fishing ground
MS1XX	7	MKNAME	C	15	0	Name of fish market
MS1XX	8	UNION	C	15	0	Name of Union
MS1XX	9	THANA	C	15	0	Name of Thana
MS1XX	10	FORM	C	4	0	Used for batch control
MS1XX	11	SHEET	N	1	0	Used for batch control
MS1XX	12	BATCH	C	6	0	Used for batch control
MS2FF	1	REGION	C	2	0	Region code NE,NC etc
MS2FF	2	MKTYPE	N	1	0	Market type
MS2FF	3	MKSL	N	1	0	Market code
MS2FF	4	RESP	N	2	0	Respondent code
MS2FF	5	SDATE	D	8	0	Survey date
MS2FF	6	RESTYPE	N	1	0	Respondent type code
MS2FF	7	AGE	N	3	0	Age of respondent
MS2FF	8	RELIGION	N	1	0	Religion of respondent

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS2FF	9	RES	N	1	0	Residence of respondent
MS2FF	10	MKT_NOS	N	1	0	Nos.of market operated
MS2FF	11	YRS_FT	N	2	0	No.of years operating
MS2FF	12	INVOL_FT	N	1	0	Involved for years
MS2FF	13	REST_YR	N	1	0	Secondary occupation code
MS2FF	14	MCQTY_P	N	4	0	Qty for major carp (peak period)
MS2FF	15	MCPRC_P	N	3	0	Price for major carp (peak period)
MS2FF	16	ECQTY_P	N	3	0	Qty for exotic carp
MS2FF	17	ECPRC_P	N	3	0	Price for exotic carp
MS2FF	18	SHQTY_P	N	3	0	Qty for snake head
MS2FF	19	SHPRC_P	N	3	0	Price for snake head
MS2FF	20	OLQTY_P	N	3	0	Qty for other live fish
MS2FF	21	OLPRC_P	N	3	0	Price for other live fish
MS2FF	22	LFQTY_P	N	3	0	Qty for live fish
MS2FF	23	LFPRC_P	N	3	0	Price for live fish
MS2FF	24	SFQTY_P	N	3	0	Qty for small fish
MS2FF	25	SFPRC_P	N	3	0	Price for small fish
MS2FF	26	HIQTY_P	N	3	0	Qty for hilsha
MS2FF	27	HIPRC_P	N	3	0	Price for hilsha
MS2FF	28	MCQTY_L	N	3	0	Qty for major carp (lean period)
MS2FF	29	MCPRC_L	N	3	0	Price for major carp (lean period)
MS2FF	30	ECQTY_L	N	3	0	Qty for exotic carp (lean period)
MS2FF	31	ECPRC_L	N	3	0	Price for exotic carp (lean period)
MS2FF	32	SHQTY_L	N	3	0	Qty for snake head (lean period)
MS2FF	33	SHPRC_L	N	3	0	Price for snake head (lean period)
MS2FF	34	OLQTY_L	N	3	0	Qty for other live (lean period)



<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS2FF	35	OLPRC_L	N	3	0	Price for other live (lean period)
MS2FF	36	LFQTY_L	N	3	0	Qty for other live (lean period)
MS2FF	37	LFPRC_L	N	3	0	Price for other live (lean period)
MS2FF	38	SFQTY_L	N	3	0	Qty for live fish (lean period)
MS2FF	39	SFPRC_L	N	3	0	Price for live fish (lean period)
MS2FF	40	HIQTY_L	N	3	0	Qty for live fish (lean period)
MS2FF	41	HIPRC_L	N	3	0	Price for live fish (lean period)
MS2FF	42	OWN_P	N	3	0	% supply by own at peak
MS2FF	43	OWN_L	N	3	0	% supply by own at lean
MS2FF	44	FMAN_P	N	3	0	% supply by fisherman at peak
MS2FF	45	FMAN_L	N	3	0	% supply by fisherman at lean
MS2FF	46	FARIA_P	N	3	0	% supply by Faria at peak
MS2FF	47	FARIA_L	N	3	0	% supply by Faria at lean
MS2FF	48	BEPARI_P	N	3	0	% supply by Bepari at peak
MS2FF	49	BEPARI_L	N	3	0	% supply by Bepari at lean
MS2FF	50	FCOOP_P	N	3	0	% supply by Fcoop at peak
MS2FF	51	FCOOP_L	N	3	0	% supply by Fcoop at lean
MS2FF	52	AROTDR_P	N	3	0	% supply by Arot dar at peak
MS2FF	53	AROTDR_L	N	3	0	% supply by Arot dar at lean
MS2FF	54	SELL_SP	C	1	0	Sell to selected party ?
MS2FF	55	REASN_SP	N	1	0	If yes, reason codes
MS2FF	56	DAYS_CHL	N	1	0	Codes for days needed
MS2FF	57	AMT_CHL	N	5	0	Money needed for a chalan
MS2FF	58	OWN_WC	N	5	0	Working capital own
MS2FF	59	PART_WC	N	5	0	Working capital partner's
MS2FF	60	CRED_WC	N	5	0	Working capital on credit

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS2FF	61	BANK_CR	N	5	0	Credit from Bank
MS2FF	62	BANK_INT	N	3	0	Bank's Interest rate in %
MS2FF	63	BANK_PR	N	3	0	Period of credit for Bank
MS2FF	64	BANK_UNT	C	1	0	Unit <Y/M/D> for period of credit from Bank
MS2FF	65	MAHA_CR	N	5	0	Credit from Mohajan
MS2FF	66	MAHA_INT	N	3	0	Mohajan's interest rate in %
MS2FF	67	MAHA_PR	N	3	0	Period of credit from Mohajan
MS2FF	68	MAHA_UNT	C	1	0	Unit <Y/M/D> for period of credit from Mohajan
MS2FF	69	AROT_CR	N	5	0	ditto in case of Arotdar
MS2FF	70	AROT_INT	N	3	0	ditto in case of Arotdar
MS2FF	71	AROT_PR	N	3	0	ditto in case of Arotdar
MS2FF	72	AROT_UNT	C	1	0	ditto in case of Arotdar
MS2FF	73	BEPa_CR	N	5	0	ditto in case of Bepari
MS2FF	74	BEPa_INT	N	3	0	ditto in case of Bepari
MS2FF	75	BEPa_PR	N	3	0	ditto in case of Bepari
MS2FF	76	BEPa_UNT	C	3	0	ditto in case of Bepari
MS2FF	77	COOP_CR	N	5	0	ditto in case of Coop
MS2FF	78	COOP_INT	N	3	0	ditto in case of Coop
MS2FF	79	COOP_PR	N	3	0	ditto in case of Coop
MS2FF	80	COOP_UNT	C	1	0	ditto in case of Coop
MS2FF	81	FR_CR	N	5	0	ditto in case of friends or relatives
MS2FF	82	FR_INT	N	2	0	ditto in case of friends or relatives
MS2FF	83	FR_PR	N	3	0	ditto in case of friends or relatives
MS2FF	84	FR_UNT	C	1	0	ditto in case of friends or relatives
MS2FF	85	TRANS	N	1	0	Transport mode codes
MS2FF	86	LOSS	N	1	0	Code for cause of losses

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS2FF	87	SUGGEST	M	10	0	Suggestion to improve
MS2FF	88	FORM	C	4	0	Used for batch control
MS2FF	89	SHEET	N	1	0	Used for batch control
MS2FF	90	BATCH	C	6	0	Used for batch control
MS3MC	1	REGION	C	2	0	Region codes
MS3MC	2	MKTYPE	N	1	0	Market type code
MS3MC	3	MKSL	N	1	0	Market codes
MS3MC	4	SDATE	D	8	0	Survey date
MS3MC	5	RESP	N	2	0	Respondent codes
MS3MC	6	RESTYPE	N	1	0	Respondent type
MS3MC	7	BP_MC	N	1	0	Buying point costs for
MS3MC	8	BP_TL	N	2	0	MC=Charges, TL=Tolls
MS3MC	9	BP_SC	N	2	0	SC=Sweeper charge
MS3MC	10	BP_SA	N	2	0	SA=Subscrip to associ.
MS3MC	11	BP_DT	N	2	0	DT=Donation etc.
MS3MC	12	BP_PE	N	3	0	PE=Personal expenses
MS3MC	13	PC_DMD	N	4	0	Life of metlic drum
MS3MC	14	PC_PMD	N	4	0	Package as metlic drum
MS3MC	15	PC_DBSKT	N	4	0	Life of basket
MS3MC	16	PC_BSKT	N	3	0	Package as basket
MS3MC	17	PC_DJUTE	N	4	0	Life of jute bag
MS3MC	18	PC_JUTE	N	3	0	Package as jute bag
MS3MC	19	PC_DPOLY	N	3	0	Life of poly bag
MS3MC	20	PC_POLY	N	2	0	Package as poly bag
MS3MC	21	PC_LAB	N	3	0	Labour charge
MS3MC	22	PC_ICQ	N	3	0	Qty of ice in kg.

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS3MC	23	PC_ICP	N	3	0	Cost of ice
MS3MC	24	PC_NR	N	2	0	Cost of nails
MS3MC	25	HL_D	N	6	2	Trans. distance/cost/hire
MS3MC	26	HL_T	N	5	2	D=Distance, T=Time
MS3MC	27	HL_H	N	4	0	H=Hired charge/day
MS3MC	28	BM_D	N	6	2	HL=Head load,
MS3MC	29	BM_T	N	5	2	BM=Mech.boat, RV=Rickshaw
MS3MC	30	BM_H	N	4	0	BUS=Bus, TRUCK=Truck
MS3MC	31	RV_D	N	6	2	RAIL=Railway
MS3MC	32	RV_T	N	5	2	ditto
MS3MC	33	RV_H	N	4	0	ditto
MS3MC	34	BUS_D	N	6	2	ditto
MS3MC	35	BUS_T	N	5	2	ditto
MS3MC	36	BUS_H	N	4	0	ditto
MS3MC	37	TRUCK_D	N	6	2	ditto
MS3MC	38	TRUCK_T	N	5	2	ditto
MS3MC	39	TRUCK_H	N	4	0	ditto
MS3MC	40	RAIL_D	N	6	2	ditto
MS3MC	41	RAIL_T	N	5	2	ditto
MS3MC	42	RAIL_H	N	4	0	ditto
MS3MC	43	BILL	N	3	0	Bill charge (Tk/day)
MS3MC	44	FERRY	N	3	0	Ferry charge (Tk.day)
MS3MC	45	PORTER	N	3	0	Porter charge (Tk/day)
MS3MC	46	SP_TYPE	N	1	0	Selling point type.
MS3MC	47	SP_MT	N	5	2	Cost for market toll
MS3MC	48	SP_WC	N	5	2	Cost for water charge



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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS3MC	49	SP_SC	N	5	2	Cost for sweeper charge
MS3MC	50	SP_ACQ	N	5	2	Qty of ice
MS3MC	51	SP_ICP	N	5	2	Cost for ice
MS3MC	52	SP_SA	N	5	2	Cost for subs to assoc.
MS3MC	53	SP_DT	N	5	2	Cost for donations etc.
MS3MC	54	SP_BC	N	6	2	Cost for boarding charge
MS3MC	55	SP_BKC	N	6	2	Cost for banking charge
MS3MC	56	SP_AROT	N	6	2	Cost for Arotdar's Kuli
MS3MC	57	MISC	N	6	2	Cost as misc charges
MS3MC	58	AROTCOMM	N	6	2	Arotdar's commission %
MS3MC	59	AC_TK	N	7	2	Arotdar's commission Tk
MS3MC	60	FORM	C	4	0	Used for batch control
MS3MC	61	SHEET	N	1	0	Used for batch control
MS3MC	62	BATCH	C	6	0	Used for batch control
MS4AR	1	REGION	C	2	0	Region codes
MS4AR	2	MKTYPE	N	1	0	Market type code
MS4AR	3	MKSL	N	1	0	Market code
MS4AR	4	RESP	N	2	0	Respondent code
MS4AR	5	SDATE	D	8	0	Survey date
MS4AR	6	RESPTYPE	N	1	0	Respondent type code
MS4AR	7	AGE	N	3	0	Age of respondent
MS4AR	8	RELIGION	N	1	0	Religion of respondent
MS4AR	9	RES	N	1	0	Residence codes
MS4AR	10	AROTDARI	N	2	0	Period of Arotdari (yrs).
MS4AR	11	FATH_AR	C	1	0	Father was Arotdars? Y/N
MS4AR	12	BOTH_AR	C	1	0	Brothers Arotdars? Y/N

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS4AR	13	MCQTY_P	N	4	0	Qty of major carp at peak
MS4AR	14	MCPRC_P	N	4	0	Price for major carp
MS4AR	15	ECQTY_P	N	4	0	EC=Exotic carp
MS4AR	16	ECPRC_P	N	4	0	SH=Snake head
MS4AR	17	SHQTY_P	N	4	0	OL=Other live fish
MS4AR	18	SHPRC_P	N	4	0	LF=Live fish
MS4AR	19	OLQTY_P	N	4	0	SF=Small fish
MS4AR	20	OLPRC_P	N	4	0	HI=Hilsa fish
MS4AR	21	LFQTY_P	N	4	0	P=Peak, L=Lean
MS4AR	22	LFPRC_P	N	4	0	QTY = Quantity, PRC=Price
MS4AR	23	SFQTY_P	N	4	0	ditto
MS4AR	24	SFPRC_P	N	4	0	ditto
MS4AR	25	HIQTY_P	N	6	0	ditto
MS4AR	26	HIPRC_P	N	4	0	ditto
MS4AR	27	MCQTY_L	N	4	0	ditto
MS4AR	28	MCPRC_L	N	4	0	ditto
MS4AR	29	ECQTY_L	N	4	0	ditto
MS4AR	30	ECPRC_L	N	4	0	ditto
MS4AR	31	SHQTY_L	N	4	0	ditto
MS4AR	32	SHPRC_L	N	4	0	ditto
MS4AR	33	OLQTY_L	N	4	0	ditto
MS4AR	34	OLPRC_L	N	4	0	ditto
MS4AR	35	LFQTY_L	N	4	0	ditto
MS4AR	36	LFPRC_L	N	4	0	ditto
MS4AR	37	SFQTY_L	N	4	0	ditto
MS4AR	38	SFPRC_L	N	4	0	ditto

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS4AR	39	HIQTY_L	N	6	0	ditto
MS4AR	40	HIPRC_L	N	4	0	ditto
MS4AR	41	FMAN_P	N	3	0	% Fisherman at Peak
MS4AR	42	FMAN_L	N	3	0	% Fisherman at Lean
MS4AR	43	FARIA_P	N	3	0	for Faria
MS4AR	44	FARIA_L	N	3	0	for Faria
MS4AR	45	BEPARI_P	N	3	0	for Bepari
MS4AR	46	BEPARI_L	N	3	0	for Bepari
MS4AR	47	FCOOP_P	N	3	0	for coop
MS4AR	48	FCOOP_L	N	3	0	for coop
MS4AR	49	OTH_P	N	3	0	for others
MS4AR	50	OTH_L	N	3	0	for others
MS4AR	51	VT_INCR	N	3	0	% incr.in vol of trade
MS4AR	52	VT_DECR	N	3	0	% decr.in vol of trade
MS4AR	53	INC_INCR	N	3	0	% incr.in income
MS4AR	54	INC_DECR	N	3	0	% decr.in income
MS4AR	55	CTV_AVL	N	1	0	Reasons for change in vol
MS4AR	56	CTV_DEM	N	1	0	AVL=Fish availability
MS4AR	57	CTV_CMPT	N	1	0	DEM=Demand,CMPT=Competit.
MS4AR	58	CTV_INVS	N	1	0	INVS=Investment
MS4AR	59	CIN_QTY	N	1	0	Reasons for change-income
MS4AR	60	CIN_DEM	N	1	0	QTY=Quantity,DEM=Demand
MS4AR	61	CIN_HIP	N	1	0	HIP=High price
MS4AR	62	CIN_LOP	N	1	0	LOP=Low price
MS4AR	63	FR_LAST5	C	1	0	Fish availability last 5
MS4AR	64	SILT_RKB	N	1	0	Rank-siltation

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<u>File</u> <u>Name</u>	<u>Field</u> <u>No.</u>	<u>Fields</u>	<u>Field</u> <u>Type</u>	<u>Width</u>	<u>Deci-</u> <u>mals</u>	<u>Description</u>
MS4AR	65	FCD	N	1	0	Rank-FCD projects
MS4AR	66	OVR_FISH	N	1	0	Rank-over-fishing
MS4AR	67	AGROCHEM	N	1	0	Rank-Agro=chemicals
MS4AR	68	IL_FNETS	N	1	0	Rank-illigal fishing
MS4AR	69	DISEASE	N	1	0	Rank-Fish desease
MS4AR	70	OTHERS	N	1	0	Rank others
MS4AR	71	FXD_SUPL	C	1	0	Any fixed suppliers?Y/N
MS4AR	72	REL_SUST	N	1	0	Relation sustained-codes
MS4AR	73	SC_OWN	N	7	0	Capital source-own
MS4AR	74	SC_PARTN	N	7	0	-Partners
MS4AR	75	SC_CRDT	N	7	0	-Credit
MS4AR	76	BANK_CR	N	7	0	Credit from Bank
MS4AR	77	BANK_INT	N	7	2	Interest from Bank
MS4AR	78	BANK_PR	N	3	0	Period of Credit for Bank
MS4AR	79	BANK_UNT	C	1	0	Unit of period for Bank
MS4AR	80	MOHA_CR	N	6	0	ditto
MS4AR	81	MOHA_INT	N	6	2	ditto
MS4AR	82	MOHA_PR	N	3	0	ditto
MS4AR	83	MOHA_UNT	C	1	0	ditto
MS4AR	84	COOP_CR	N	6	0	ditto
MS4AR	85	COOP_INT	N	6	2	ditto
MS4AR	86	COOP_PR	N	3	0	ditto
MS4AR	87	COOP_UNT	C	1	0	ditto
MS4AR	88	RELA_CR	N	6	0	ditto
MS4AR	89	RELA_INT	N	6	2	ditto
MS4AR	90	RELA_PR	N	3	0	ditto



<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS4AR	91	RELA_UNT	C	1	0	ditto
MS4AR	92	MAIN_SIP	N	1	0	Source of price info.code
MS4AR	93	MMBR_TRA	C	1	0	Member of association?
MS4AR	94	BENEFIT	N	1	0	Take any benefit from
MS4AR	95	COST_OE	N	4	0	Cost for office employee
MS4AR	96	COST_WM	N	4	0	for weighing
MS4AR	97	COST_HL	N	4	0	for helper
MS4AR	98	COST_RS	N	4	0	for rent of shed
MS4AR	99	COST_PW	N	4	0	for poer supply
MS4AR	100	COST_OS	N	4	0	for office stationa
MS4AR	101	COST_MG	N	4	0	for guards
MS4AR	102	COST_SC	N	4	0	for sweeper
MS4AR	103	COST_WC	N	4	0	for water
MS4AR	104	COST_SA	N	4	0	for subs to assoc.
MS4AR	105	COST_DT	N	4	0	for donations etc.
MS4AR	106	COST_BC	N	4	0	for Bepari/Chalani
MS4AR	107	COST_TX	N	4	0	for taxes
MS4AR	108	COST_TL	N	4	0	for telephones
MS4AR	109	BF_COMM	N	6	2	Commission-untied
MS4AR	110	BF_COMMD	N	6	2	-Dadon
MS4AR	111	BF_FIS	N	6	2	-Fish
MS4AR	112	SUGS_FT	M	10	0	Suggestion for transport
MS4AR	113	SUGS_FP	M	10	0	Suggestion for preservat.
MS4AR	114	FORM	C	4	0	Used for batch control
MS4AR	115	SHEET	N	1	0	Used for batch control
MS4AR	116	BATCH	C	6	0	Used for batch control

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
MS5CP	1	REGION	C	2	0	Region codes
MS5CP	2	MKTYPE	N	1	0	Market type codes
MS5CP	3	MKSL	N	1	0	Market codes
MS5CP	4	RESP	N	2	0	Respondent codes
MS5CP	5	SDATE	D	8	0	Survey codes
MS5CP	6	RESPTYPE	N	1	0	Respondent type code
MS5CP	7	AGE	N	3	0	Age of respondent
MS5CP	8	RELIGION	N	1	0	Religion of respondent
MS5CP	9	PONDOWNR	C	1	0	Pond owner (Y/N)
MS5CP	10	FSH_WHR	N	1	0	Fishing where? codes
MS5CP	11	FSH_TODA	N	1	0	Fishing ground for to-day
MS5CP	12	MKT_SELL	N	1	0	Selling markets
MS5CP	13	CRDT_FT	C	1	0	Taken credit from traders
MS5CP	14	FARIA_CT	N	1	0	Credit type for Faria
MS5CP	15	FARIA_CR	N	5	0	Credit from Faria
MS5CP	16	FARIA_CN	C	1	0	Condition for credit
MS5CP	17	FARIA_PC	N	6	2	% Interest to Faria
MS5CP	18	FARIA_PP	C	1	0	Purpose for credit (F,C,B)
MS5CP	19	BEPAR_CT	N	1	0	ditto
MS5CP	20	BEPAR_CR	N	5	0	ditto
MS5CP	21	BEPAR_CN	C	1	0	ditto
MS5CP	22	BEPAR_PC	N	6	2	ditto
MS5CP	23	BEPAR_PP	C	1	0	ditto
MS5CP	24	AROT_CT	N	1	0	ditto
MS5CP	25	AROT_CR	N	5	0	ditto
MS5CP	26	AROT_CN	C	1	0	ditto

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS5CP	27	AROT_PC	N	6	2	ditto
MS5CP	28	AROT_PP	C	1	0	ditto
MS5CP	29	CHALA_CT	N	1	0	ditto
MS5CP	30	CHALA_CR	N	5	0	ditto
MS5CP	31	CHALA_CN	C	1	0	ditto
MS5CP	32	CHALA_PC	N	6	2	ditto
MS5CP	33	CHALA_PP	C	1	0	ditto
MS5CP	34	FR_LAST5	C	1	0	Fish availability last 5
MS5CP	35	SILT_RKB	N	1	0	Rank for siltation.
MS5CP	36	FCD	N	1	0	Rank for FCD
MS5CP	37	OVR_FISH	N	1	0	Rank for over fishing
MS5CP	38	AGROCHEM	N	1	0	Rank for Agro-chem
MS5CP	39	IL_FNETS	N	1	0	Rank for illegal fishing
MS5CP	40	DISEASE	N	1	0	Rank for disease
MS5CP	41	OTHERS	N	1	0	Rank for others
MS5CP	42	FARIA_F	N	5	0	Credit from Faria for Fish Trading
MS5CP	43	FARIA_C	N	5	0	Credit from Faria for Consumption
MS5CP	44	BEPAR_F	N	5	0	Credit from Bepari for Fish Trading
MS5CP	45	BEPAR_C	N	5	0	Credit from Bepari for Consumption
MS5CP	46	AROT_F	N	5	0	Credit from Arotadar for Fish Trading
MS5CP	47	AROT_C	N	5	0	Credit from Arotadar for Consumption
MS5CP	48	CHALA_F	N	5	0	Credit from Chalani for Fish Trading
MS5CP	49	CHALA_C	N	5	0	Credit from Chalani for Consumption
MS5CP	50	FORM	C	4	0	Used for batch control
MS5CP	51	SHEET	N	1	0	Used for batch control
MS5CP	52	BATCH	C	6	0	Used for batch control

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS6RE	1	REGION	C	2	0	Region code
MS6RE	2	MKTYPE	N	1	0	Market type code
MS6RE	3	MKSL	N	1	0	Market code
MS6RE	4	RESP	N	2	0	Respondent code
MS6RE	5	SDATE	D	8	0	Survey date
MS6RE	6	RESPTYPE	N	1	0	Respondent type code
MS6RE	7	AGE	N	3	0	Age of respondent
MS6RE	8	RELIGION	N	1	0	Religion of respondent
MS6RE	9	RES	N	1	0	Residence code
MS6RE	10	MKT_NOS	N	1	0	Nos.of markets operating
MS6RE	11	YRS_FT	N	2	0	Years in fish trade
MS6RE	12	INVOL_FT	N	1	0	Involvement in fish trade
MS6RE	13	REST_YR	N	1	0	Secondary occupation
MS6RE	14	MCQTY_P	N	3	0	Qty of major carp at peak
MS6RE	15	MCPRC_P	N	3	0	Price of MC at Peak
MS6RE	16	ECQTY_P	N	3	0	MC=Major carp,EC=Exotic
MS6RE	17	ECPRC_P	N	3	0	SH=Snake head
MS6RE	18	SHQTY_P	N	3	0	OL=Other live
MS6RE	19	SHPRC_P	N	3	0	LF=Live fish
MS6RE	20	OLQTY_P	N	3	0	HI=Hilsa
MS6RE	21	OLPRC_P	N	3	0	P=Peak, L=Lean
MS6RE	22	LFQTY_P	N	3	0	ditto
MS6RE	23	LFPRC_P	N	3	0	ditto
MS6RE	24	SFQTY_P	N	3	0	ditto
MS6RE	25	SFPRC_P	N	3	0	ditto
MS6RE	26	HIQTY_P	N	3	0	ditto



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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS6RE	27	HIPRC_P	N	3	0	ditto
MS6RE	28	MCQTY_L	N	3	0	ditto
MS6RE	29	MCPRC_L	N	3	0	ditto
MS6RE	30	ECQTY_L	N	3	0	ditto
MS6RE	31	ECPRC_L	N	3	0	ditto
MS6RE	32	SHQTY_L	N	3	0	ditto
MS6RE	33	SHPRC_L	N	3	0	ditto
MS6RE	34	OLQTY_L	N	3	0	ditto
MS6RE	35	OLPRC_L	N	3	0	ditto
MS6RE	36	LFQTY_L	N	3	0	ditto
MS6RE	37	LFPRC_L	N	3	0	ditto
MS6RE	38	SFQTY_L	N	3	0	ditto
MS6RE	39	SFPRC_L	N	3	0	ditto
MS6RE	40	HIQTY_L	N	3	0	ditto
MS6RE	41	HIPRC_L	N	3	0	ditto
MS6RE	42	OWN_P	N	3	0	% Purchase-by own at Peak
MS6RE	43	OWN_L	N	3	0	% Purchase-by own at Lean
MS6RE	44	FMAN_P	N	3	0	from Fisherman
MS6RE	45	FMAN_L	N	3	0	from Fisherman
MS6RE	46	FARIA_P	N	3	0	P=Peak, L=Lean
MS6RE	47	FARIA_L	N	3	0	ditto
MS6RE	48	BEPARI_P	N	3	0	ditto
MS6RE	49	BEPARI_L	N	3	0	ditto
MS6RE	50	FCOOP_P	N	3	0	ditto
MS6RE	51	FCOOP_L	N	3	0	ditto
MS6RE	52	AROTDR_P	N	3	0	ditto

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<u>File</u> <u>Name</u>	<u>Field</u> <u>No.</u>	<u>Fields</u>	<u>Field</u> <u>Type</u>	<u>Width</u>	<u>Deci-</u> <u>mals</u>	<u>Description</u>
MS6RE	53	AROTDR_L	N	3	0	ditto
MS6RE	54	CB_LAST5	C	1	0	Change within last 5
MS6RE	55	VT_INCR	N	3	0	% Increase (Vol.of trade)
MS6RE	56	VT_DECR	N	3	0	% Decrease (Vol.of trade)
MS6RE	57	INC_INCR	N	3	0	% Increase (in income)
MS6RE	58	INC_DECR	N	3	0	% Decrease (in income)
MS6RE	59	CB_AVL	N	1	0	Rank for availability
MS6RE	60	CB_CMPT	N	1	0	for competition
MS6RE	61	CB_HIP	N	1	0	for high price
MS6RE	62	CB_DEM	N	1	0	for demand
MS6RE	63	FR_LAST5	C	1	0	Fish availability last 5
MS6RE	64	SILT_RKB	N	1	0	Rank for siltation
MS6RE	65	FCD	N	1	0	for FCD
MS6RE	66	OVR_FISH	N	1	0	for over fishing
MS6RE	67	AGROCHEM	N	1	0	for Agro-chem
MS6RE	68	IL_FNETS	N	1	0	for illegal fishing
MS6RE	69	DISEASE	N	1	0	for disease
MS6RE	70	OTHERS	N	1	0	for others
MS6RE	71	SC_OWN	N	6	0	Source from own
MS6RE	72	SCO_REM	C	50	0	Remark on own
MS6RE	73	SC_PART	N	6	0	Source from partners
MS6RE	74	SCP_REM	C	50	0	Remark on partners
MS6RE	75	SC_CRDT	N	6	0	Source from credit
MS6RE	76	SCC_REM	C	50	0	Remark on credit
MS6RE	77	BANK_CR	N	5	0	Credit from Bank
MS6RE	78	BANK_INT	N	2	0	Interest on Bank credit

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS6RE	79	BANK_PR	N	3	0	Period for credit
MS6RE	80	BANK_UNT	C	1	0	Unit for period when Bank
MS6RE	81	MAHA_CR	N	5	0	ditto
MS6RE	82	MAHA_INT	N	2	0	ditto
MS6RE	83	MAHA_PR	N	3	0	ditto
MS6RE	84	MAHA_UNT	C	1	0	ditto
MS6RE	85	AROT_CR	N	5	0	ditto
MS6RE	86	AROT_INT	N	2	0	ditto
MS6RE	87	AROT_PR	N	3	0	ditto
MS6RE	88	AROT_UNT	C	1	0	ditto
MS6RE	89	BEPA_CR	N	5	0	ditto
MS6RE	90	BEPA_INT	N	2	0	ditto
MS6RE	91	BEPA_PR	N	3	0	ditto
MS6RE	92	BEPA_UNT	C	1	0	ditto
MS6RE	93	COOP_CR	N	5	0	ditto
MS6RE	94	COOP_INT	N	2	0	ditto
MS6RE	95	COOP_PR	N	3	0	ditto
MS6RE	96	COOP_UNT	C	1	0	ditto
MS6RE	97	FR_CR	N	5	0	ditto
MS6RE	98	FR_INT	N	2	0	ditto
MS6RE	99	FR_PR	N	3	0	ditto
MS6RE	100	FR_UNT	C	1	0	ditto
MS6RE	101	EXT_WT	C	1	0	Realize extra weight?Y/N
MS6RE	102	EW_SYS	N	2	0	% of extra weight
MS6RE	103	MMBR_TRA	C	1	0	Member of trader's assoc.
MS6RE	104	BENEFIT	N	1	0	Benifits code

<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MS6RE	105	FORM	C	4	0	Used for batch control
MS6RE	106	SHEET	N	1	0	Used for batch control
MS6RE	107	BATCH	C	6	0	Used for batch control
MS7PF	1	REGION	C	2	0	Region code
MS7PF	2	MKTYPE	N	1	0	Market type code
MS7PF	3	MKSL	N	1	0	Market code
MS7PF	4	RESP	N	2	0	Respondent code
MS7PF	5	SDATE	D	8	0	Survey date
MS7PF	6	RESPTYPE	N	1	0	Respondent type code
MS7PF	7	ENT_NAME	C	30	0	Name of the enterprise.
MS7PF	8	AGE	N	3	0	Age of respondent
MS7PF	9	RELIGION	N	1	0	Religion of respondent
MS7PF	10	DESIG	C	10	0	Designation of respondent
MS7PF	11	YR_ESTB	N	2	0	Year of establishment
MS7PF	12	CAPACITY	N	5	2	Total capacity (tonnes)
MS7PF	13	BL_S_QTY	N	5	0	Qty of ice on summer
MS7PF	14	BL_S_PRC	N	5	2	Price of ice on summer
MS7PF	15	BL_O_QTY	N	4	0	Qty of ice on other time
MS7PF	16	BL_O_PRC	N	5	2	Price of ice on other time
MS7PF	17	FL_S_QTY	N	5	0	Qty of flakes on summer
MS7PF	18	FL_S_PRC	N	5	2	Price of flakes on summer
MS7PF	19	FL_O_QTY	N	4	0	Qty of flakes on other
MS7PF	20	FL_O_PRC	N	5	2	Price of flakes on other
MS7PF	21	ICE_BL	N	3	0	% Block by ice-cream trad
MS7PF	22	ICE_FL	N	3	0	% Flake by ice-cream trad
MS7PF	23	FISH_BL	N	3	0	% Block by fish traders



<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
MS7PF	24	FISH_FL	N	3	0	% Flake by fish traders
MS7PF	25	RE_BL	N	3	0	% Block by retailers
MS7PF	26	RE_FL	N	3	0	% Flake by retailers
MS7PF	27	OTH_BL	N	3	0	% Block by others
MS7PF	28	OTH_FL	N	3	0	% Flake by others
MS7PF	29	OPER_NC	C	1	0	Operate below normal capa
MS7PF	30	QTY_NC	N	2	0	Qty on normal capacity
MS7PF	31	DELIVERY	N	1	0	Ice delivered to fish-mkt
MS7PF	32	FORM	C	4	0	Used for batch control
MS7PF	33	SHEET	N	1	0	Used for batch control
MS7PF	34	BATCH	C	6	0	Used for batch control
MS7MKTS	1	REGION	C	2	0	Region code
MS7MKTS	2	MKTYPE	N	1	0	Market type code
MS7MKTS	3	MKSL	N	1	0	Market code
MS7MKTS	4	RESP	N	2	0	Respondent code
MS7MKTS	5	SDATE	D	8	0	Survey date
MS7MKTS	6	RESPTYPE	N	1	0	Respondent type code
MS7MKTS	7	FSH_MKTS	C	12	0	Name of fish market
MS7MKTS	8	THANA	C	12	0	Thana of fish market
MS7MKTS	9	DISTANCE	N	5	2	Distance from fish market
MS7MKTS	10	FORM	C	4	0	Used for batch control
MS7MKTS	11	SHEET	N	1	0	Used for batch control
MS7MKTS	12	BATCH	C	6	0	Used for batch control
MS8TA	1	REGION	C	2	0	Region code
MS8TA	2	MKTYPE	N	1	0	Market type code

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
MS8TA	3	MKSL	N	1	0	Market code
MS8TA	4	RESP	N	2	0	Respondent code
MS8TA	5	SDATE	D	8	0	Survey date
MS8TA	6	RESPTYPE	N	1	0	Respondent type code
MS8TA	7	TA_NAME	C	30	0	Name of transport agency
MS8TA	8	AGE	N	3	0	Age of respondent
MS8TA	9	RELIGION	N	1	0	Religion of respondent
MS8TA	10	DESIG	C	10	0	Designation of respondent
MS8TA	11	MKT_ORIG	C	12	0	Origin of shipment
MS8TA	12	THA_ORIG	C	12	0	Name of Thana
MS8TA	13	MKT_DEST	C	12	0	Destination market
MS8TA	14	THA_DEST	C	12	0	Destination Thana
MS8TA	15	DISTANCE	N	3	0	Distance from Market
MS8TA	16	COST	N	6	2	Cost in Taka
MS8TA	17	FORM	C	4	0	Used for batch control
MS8TA	18	SHEET	N	1	0	Used for batch control
MS8TA	19	BATCH	C	6	0	Used for batch control
MP1QF	1	REGION	C	2	0	Region code
MP1QF	2	MKSL	N	2	0	Market code
MP1QF	3	RESP	N	3	0	Respondent code
MP1QF	4	SDATE	D	8	0	Survey date
MP1QF	5	MKTYPE	N	1	0	Market type
MP1QF	6	RESTYPE	N	1	0	Respondent type code
MP1QF	7	BUNDLE	N	2	0	Bundle number
MP1QF	8	SPCODE	N	3	0	Fish code
MP1QF	9	SPNAME	C	15	0	Fish name

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Decimals</u>	<u>Description</u>
MP1QF	10	PCNT	N	3	0	% of fish
MP1QF	11	WT_PCS	N	5	1	Weight of pieces
MP1QF	12	BND_WT	N	8	2	Weight of a bundle
MP1QF	13	DND_BP	N	7	0	Bundle buying price
MP1QF	14	BND_SP	N	7	0	Bundle selling price
MP1QF	15	KG_BP	N	8	2	Buying price/kg
MP1QF	16	KG_SP	N	8	2	Selling price/kg
MP1QF	17	FORM	C	4	0	Used for batch control
MP1QF	18	SHEET	N	1	0	Used for batch control
MP1QF	19	BATCH	C	6	0	Used for batch control
FPM	1	REGION	C	2	0	Region code
FPM	2	MKTYPE	N	1	0	Market code
FPM	3	MKSL	N	1	0	Market code
FPM	4	DATE	D	8	0	Survey date
FPM	5	FISHGR	N	2	0	Small fish (gr.1)
FPM	6	FCODE	N	3	0	Fish code
FPM	7	SIZE	C	1	0	Size of fish
FPM	8	OBSV1	N	3	0	Observations1(Tk./Kg)
FPM	9	OBSV2	N	3	0	Observations2(Tk./Kg)
FPM	10	OBSV3	N	3	0	Observations3(Tk./Kg)
FPM	11	OBSV4	N	3	0	Observations4(Tk./Kg)
FPM	12	B_NAME	C	20	0	Bengali name
FPM	13	FORM	C	4	0	Used for batch control
FPM	14	BATCH	C	6	0	Used for batch control
FPMR	1	REGION	C	2	0	Region code

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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
FPMR	2	MKTYPE	N	1	0	Market type code
FPMR	3	MKSL	N	1	0	Market code
FPMR	4	MONTH	C	3	0	Month (JAN,FEB,...)
FPMR	5	FISHGR	N	2	0	Species group
FPMR	6	FCODE	N	3	0	Fish code
FPMR	7	SIZE	C	1	0	Size of fish
FPMR	8	OBSV1	N	3	0	Observation 1
FPMR	9	OBSV2	N	3	0	Observation 2
FPMR	10	OBSV3	N	3	0	Observation 3
FPMR	11	B_NAME	C	20	0	Bengali name of fish
FPMR	12	FORM	C	4	0	Used for batch control
FPMR	13	BATCH	C	6	0	Used for batch control
SF_CODE	1	FISHGR	N	2	0	Fish group
SF_CODE	2	CODE	N	3	0	Fish code
SF_CODE	3	SIZE	C	1	0	Size code
SF_CODE	4	B_NAME	C	20	0	Bengali name
SF_CODE	5	DEMO1	C	1	0	Used for batch control
SPGROUP	1	SPPGR	N	2	0	Code for species group
SPGROUP	2	FGROUP	C	20	0	Fish-group
MARKET	1	REGION	C	2	0	Region code
MARKET	2	MKSL	N	1	0	Market code
MARKET	3	MKTYPE	N	1	0	Market type code
MARKET	4	MKNAME	C	20	0	Market name
MARKET	5	UNION	C	20	0	Union name
MARKET	6	THANA	C	20	0	Name of Thana



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<u>File Name</u>	<u>Field No.</u>	<u>Fields</u>	<u>Field Type</u>	<u>Width</u>	<u>Deci- mals</u>	<u>Description</u>
MARKET	7	DISTRICT	C	20	0	District name
MARKET	8	DISCODE	N	2	0	Discode

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#### 8.4 Description of Codes

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## NOTES ON MARKET SURVEY FORMS



Notes: Page 1

**Form: MS01**

### General:

The investigator will collect information on main characteristics of the market by observation and quick questions to some key informants. Key informants include chairman/secretary of the traders association, leading arotdars, beparies, and shop keepers.

### Sketch Map:

Draw a rough sketch map of the fish section of the market/fish market with general layout indicating the arrangements of permanent sheds, stalls and open area. If the fish market is a part of a big general market, an outline of the entire market should be shown. River, khal, road, and rail station close to the market should be shown. The sketch map need not be on the scale.

### Infrastructures (Q.6):

#### Ice Plants & their capacities (Q.6.1.2):

Ice plants which are situated within a radius of 10 km from the market are to be considered. Their total capacities are to be recorded. This item should be entered after completion of the survey of ice factories.

#### Retailing facilities:

Adequacy is to be judged by relating total space-both covered and open, and number of sheds/stalls in the fish section to an estimated number of buyers seen.

#### Wholesaling facilities:

Some wholesalers may have an arrangement for icing and storing of unsold fish for short period (overnight). Cold stores in and around the market, if provides storage for fish, is to be considered as a facility for wholesaling in that market.

#### Sorting & Grading (Q.6.8):

Ask the respondents about the criteria they use for grading (size, weight, quality etc.). The extent of sorting by species or otherwise is to be recorded.

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Form: MS02

Peak & Lean period:

"Peak period" is defined as the period when total supply of inland fish in the particular market reaches the highest level and is sustained for considerable time. This may spread over two/three months. Similarly, "lean period" is the part of the year when supply in the particular market is sustained at the lowest level. Use seasonality chart to identify peak and lean periods for the market. Remember, peak and lean period refers to the particular sample market, and not to the business volume of a particular respondent.  
(Reference to form: MS04 also).

Period of involvement in fish trade (Q.4.):

During peak beel harvest pond harvest periods, local fish production increases and supply in the local markets reaches high level. This provides opportunity for some fisherman and people in other occupations to turn as fish traders for a few months. The intention is to identify regular and part-timers in fish trade.

Notes: Page 2**Form: MS02**Daily average quantity of fish traded (Q.6):

Ask the respondent about the major species or group of species of fish traded by him during the peak and lean periods. Next, ask him to indicate daily average quantity of fish traded by him.

Working capital (Q.11):

Amount of money required to complete one chalan by a trader is the working capital requirement.

Share Capital (Q.12):

For traders running business in partnership with others, number of partners and their shares in capital are to be recorded in 'remarks' column.

Extortion (Q.15):

Extortion would include money realized by pressure groups from the respondent during transportation of fish from buying point to the ultimate destination.

**Form: MS03**Costs at buying point:

Costs at buying point include those costs incurred by the trader at the places/markets from where he procured his fish.

Transportation cost:

A trader may use more than one mode of transport to cover the entire distance from the buying point to the destination market. Costs incurred for each of the modes are to be included.

Costs at selling point:

These are the costs incurred at the market where the respondent ultimately disposes his merchandise.

**Form: MS04**Residence (Q.1.5):

Ask the respondent if he is a resident of the same village, union, thana, or district where the market is situated. He will be treated as an outsider, if his residence is in a district other than the district of the market.

Notes: Page 3**Form: MS05**Gear used:

Gears used for the catch sold in the market on the day of interview are to be recorded.

Fishing Ground (Q.3 & 3.1):

The respondent may fish generally, for example, in river. But he might have caught his fish in beel, on the day of interview.

**Form: MS07**Normal capacity:

Normal capacity means the rated capacity of production of the plant/factory. Calculate percentage value of present production level to normal capacity.

**Form: MS08**Place of Information (Q.2):

Particular transport agency may have several branch offices and a head office. Enter the name of the town/place of the office where interview is conducted.

Respondent's Designation (Q.4):

The respondent may be the owner, office manager, or supervisor of operations. Record exact designation of the respondent.

Origin of shipment and destination market:

The respondent transport agency may carry fish from a particular market to several destination markets. Enter the names of the set of destination markets against the particular market of origin of shipment.

**Form: MP01**Number/Percentage (column 4):

Bundle may contain big or medium size of large species fish together with different quantities of small species. If possible, count the number of large species fish in the bundle and take the weight of an average size of the particular species. Determine the proportions of other species in the bundle.



Region Codes:

North Central (NC); North East (NE); North West (NW); South West (SW);

Market Type Codes :

Primary Market: 1, Secondary Market: 2, Tertiary Market: 3.

Respondent Type Codes:

Fisherman: 1, Faria: 2, Bepari: 3, Arotdar: 4, Chalani: 5, Paikar: 6, Nikari: 7, Transport Operator: 8, Ice Factory Operator: 9.

Transport Mode Codes:

Head load/Shoulder Sling: 1, Boat: 2, Mechanized Boat: 3, Rickshaw Van: 4, Bus: 5, Truck: 6, Railway 7.

Religion Codes:

Islam: 1, Hinduism: 2, Christianity: 3, Others: 4.

Supply Source Codes:

Own: 1, Fisherman/Producer: 2, Faria: 3, Bepari: 4, Chalani: 5, Fish Coop: 6, Arotdar: 7.

Reasons for Reduced Fish Availability Codes:

Siltation of River/Khal/Beel: 1, FCD Projects: 2, Over Fishing: 3, Use of Agro-chemical: 4, Use of illegal Fishing Nets: 5, Fish Disease: 6, Other: 7.

Fishing Ground Codes:

Main River: 1, Secondary River/Khal: 2, Beel: 3, Flood plain: 4, Ditch, Pagar etc.: 5, Own Pond: 6, Other's Pond: 7.

FISHERIES ENTERPRISE CODES		Prefix :	FE
Fish Ent. Code	Gear Type	Gear Category	Description
FE 088	Current jal	Gill Net	Monofilament fixed gill net, usually small mesh
FE 282	Drifting Monofilament Net		Monofilament drift gill net, usually top set, any mesh size
FE 123	Koi/Fashi jal/Fashon/Fash		Multifilament fixed gill net, usually small mesh
FE 065	Chandi jal		Multifilament drift gill net, usually top set, any mesh size
FE 315	Par jal/Pangas jal/Fashon		Multifilament drift gill net, usually bottom set, large mesh
FE 316	Kajuli jal/Nagon jal		Multifilament drift gill net, usually bottom set, small mesh
FE 045	Ber jal/Zagot ber jal/Baoli	Seine Net	Seine net small medium or large size
FE 202	Moi jal		Small drag net with pockets of base
FE 268	Konaber jal		Seine net with pocket of one end
FE 089	Deol/Bandh/Chota badai/lathi		Small seine usually pulled by 2 men by sticks on each end of net
FE 297	Horhori		Seine net with a series of large pockets along net.
FE 175	Kathi jal		Seine net with a series of vertical sticks along net
FE 293	Chabi jal		Seine/gill net pulled to shore, often used with polo traps
E 313	Dolna		Similar to Kathi but larger with deeper bag, used on river.
FE 276	Hat panch		Medium size seine pulled at each end by one man while main in boat. Beats water to drive such into net.
FE 068	Chapra/Uttar jal		Like a cast net but hung from a boat moving along river and lifted to catch fish.
FE 304	Satiberjal/Gulti jal		Seine net with a series of pockets at base
FE 132	Gai Dasem		Drifting seine net used in rivers, has pockets at base
FE 277	Kachitana		Type of lift net hung from boat on floodplain or beel net used with drag rope to drive fish into net.
FE 126	Ferra jal		Drag rope used to drive fish into gill net/seine <sup>†</sup>
FE 285	Beon jal/Thaga/Konapatan	Bag Nets	Barriers across river with bag nets set perpendicular to it.
FE 271	Suti jal		Single bag net staked to river bed.
FE 320	Ghori jal		Barricade/fence with nets set in gaps to trap fish
FE 266	Veshal/Kora jal	Lift Nets	Triangular lift net on large bamboo frame
E 105	Dharma jal/Sitki/Chak toap		Square or round lift nets on bamboo pole
FE 160	Jhali jal		Small veshal used on main rivers at night for shrimp
FE 319	Jhap jal		Boat lift net: lifted at 4 corners by men in boats
FE 287	Hat Tana/Sukna/Hat bauli / Chak jal	Scoop Nets	Oval or triangular scoop nets used with pole and rope or by hand
FE 263	Ucha		Basket scoop on pole. Used by hand.
FE 296	Tukri		Small basket scoop
FE 321	Afa		Large thela jal, large mesh, used on boat
FE 234	Shangla jal/Kharki jal	Clap Nets	Multifilament drifting bag net on bamboo frame boat used for hilsa fishing.

Fish Ent. Code	Gear Type	Gear Category	Description
FE 270	Katha	Katha	Submerged Brush shelter used to attract fish.
FE 314	Boat Katha		Submerged boat filled with branches used to attract fish
FE 149	Horga/Shorgia		Submerged basket filled with branches used to attract fish
FE 302	Kua		Fish pit on floodplain
FE 318	Kotta		Bunded area on floodplain used to trap fish as water recedes
FE 222	Polo	Traps	Bell-shaped trap used to catch fish by hand
FE 095	Darki/Doiar/Chai/Charo/Anta		Small, oval or box traps used for shrimp or small fish often used in conjunction with bana or bamboo fences.
FE 286	Deal/Baire		Larger trap, bilaterally divided to catch fish on 2 sides of bana
FE 311	Kadum/Vashon		Large box traps used to catch larger fish e.g. Koi, Taki
FE 310	Kakila bana		Bamboo fence pulled downstream to trap fish in small area
FE 299	Kalsi pata		Clay pot used to trap fish set in bank side.
FE 272	Daun	Hooks/ Lines	Long line – many hooks set at intervals on one line
FE 030	Sip/Barshi		Rod and line – usually one hook per line
FE 278	Borsa sip/Noi barsi		Hook & line attached to bamboo floats. Many floats/hooks may be joined along line
FE 152	Tana Barshi/Zomka/Chara		Hand line (no rod) from bank or boat with or without groundbait
FE 170	Juti/Koch	Spear	Spears of various types: fixed or detachable barbs
FE 164	Jhaki jal	Others	Multifilament circular net thrown by hand
FE 255	Thella jal		Small triangular push net set on bamboo frame
FE 293	Urani		Various barrier nets/fences used to catch jumping fish.
FE 298	Akra		Pole with metal hooks used to catch Mud-dwelling fish e.g. baim
FE 301	Chunga		Hollow bamboo rod shelter used to attract baim
FE 317	Thushi/Baim mara		Cloth/basket traps used to drive baim into them
FE 307	Hand fishing		Picking fish by hand but without dewatering
FE 097	By hand/Dewatering		Empty water and catch fish by hand in mud
FE 098	Net/Basket + Dewatering		Empty water through an outlet where net or basket used to trap fish



REGION	MKSL	MKTYPE	MKNAME
NC	4	1	JHITKA
NC	5	1	TORA GHAT
NC	6	1	JAGAT NAGAR
NC	7	1	SANTOSH
NC	8	2	ARICHA
NC	9	3	MANIKGANJ
NW	1	1	KARANJA C&B MARKET
NW	2	1	CHAR BOALIA
NW	3	1	BIL DAHAR
NW	4	1	CHANCH KAIR
NW	5	2	SINGRA FISH AROT
NW	6	2	NATORE
NW	7	2	BORAL BRIDGE
NW	8	3	BOGRA
NE	1	1	GHATER BAZAR
NE	2	1	SHER PUR
NE	3	1	PAGLA BAZAR
NE	4	1	LAMA KAZI
NE	5	2	MOULVI BAZAR
NE	6	2	SYLHET
NE	7	2	HABIGANJ
NE	8	3	SRIMANGAL
SW	1	1	GHAGAR
SW	2	1	POYSAR HAT
SW	3	1	BHANGA
SW	4	1	KOLIGRAM
SW	5	2	TAKER HAT
SW	6	2	MADARIPUR
SW	7	2	FARIDPUR
SW	8	3	GOPALGANJ
DC	1	2	SWARI GHAT MARKET
DC	2	2	KAWRANBAZAR WHOL.MKT
DC	3	2	KAMALAPUR WHOL.MKT



## 8.5 Copies of Survey Forms

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FAP 17 STUDY

Form:MS01

Information on market characteristics and infrastructures.

Region code	Mkt type	Mkt Sl. No
SW	2	5

1. Market identification code

1.1 Name of market (village) Takerhat 1.2 Union Kalia

1.3 Thana Rajoir 1.4 Dist. Madaripur

2. Nature of market code 3

Codes: 1. Collection point; 2. Hat; 3. Bazar; 4. Bazar cum Hat.

3. Occurrence frequency:

Day/Time	S	S	M	T	W	TH	F	daily
Morning	-	-	-	-	-	-	-	✓
Afternoon	-	-	-	-	-	-	-	-
Evening	-	-	-	-	-	-	-	-

4. Is fish market a part of a general market?

Y ☐ N ☒

5. Market area:

5.1 Total market area (L. m x W. m)

20X15

5.2 Total area of fish market/ section (L. m x W. m)

20X15

5.2.1 Coverd area(L. m X W.m)

14X5

5.2.2 Open area (L. m x W. m)

7X15

5.2.3 Permanent sheds(number)

1

5.2.4 Shed Type code 3

Shed codes: 1. Tin shed; 2. Bamboo & thached; 3. Tin shed with pucca floor;

4. Building.

(MAP OF MARKET)

6. Infrastructures:

6.1 Number of ice factory/ plants supplying ice for the market 1

6.1.2 Distance of ice factory from the market and capacity:

Distance	Number	Capacity(mt)
Within 1 km.	<u>1</u>	<u>54</u>
1 km. to 5 km.	<u>-</u>	<u>-</u>
6 km. to 10 km.	<u>-</u>	<u>-</u>

6.2 Landing platform: (Number)

6.2.1 Unit size (L. m. x W. m.)

-  
-

6.2.2 Platform Type code -

Type codes: 1. Wooden; 2. Concrete.

6.3 Retailing facilities: code 1

Codes: 1. Sheds & adequate; 2. Sheds, but inadequate; 3. Open area.

6.4 Wholesaling facilities: code 2

Codes: 1. water supply & storing; 2. Water supply, but no storing;

3.No water supply & storing.

6.5 Weighing system: code 4

Codes: 1. Metric system; 2. Traditional system; 3. Lot; 4. Metric system & lot.

6.6 Bankig facilities exist: Y ☒ N ☐

6.7 Telephone & communiction facilities available: Y ☐ N ☒

6.8 Sorting & grading system exists: Y ☐ N ☒  
(If yes, describe)

7. Package Type used:

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Package type	% of traders using
Metalic drum	—
Wooden box	—
Bamboo basket	100

8. Natural material used in package:code 3 — —  
 Codes: 1. Hogla leaves; 2. Banana leaves; 3. Water hyacinth.

9. Average daily number of consumers and traders attending fish market and volume of fish exported during peak & lean period.

Indicator	Number	
	Peak Period	Lean Period
	mo( 10-3 )	mo( 4-9 )
Fisherman	250	100
Faria	70	20
Bepari	100	50
Paikar	20	20
Chalani	20	5
Arotdar	9	3
Nikari/Retailer	20	15
Consumer	150	100
Export volume	200	30

10. Linkages of this market to fishing grounds/other markets.

Fishing Grounds		
Name	Union	Thana
Sharibari	Amgram	Madanipur

Market acting as source of supply		
Name	Union	Thana
—	—	—

Destination markets		
Name	Union	Thana
Dhaka	Dhaka	Dhaka
Khulna	Khulna	Khulna
Barisal	Barisal	Barisal
Jessore	Jessore	Jessore
Faridpur	Faridpur	Faridpur
—	—	—

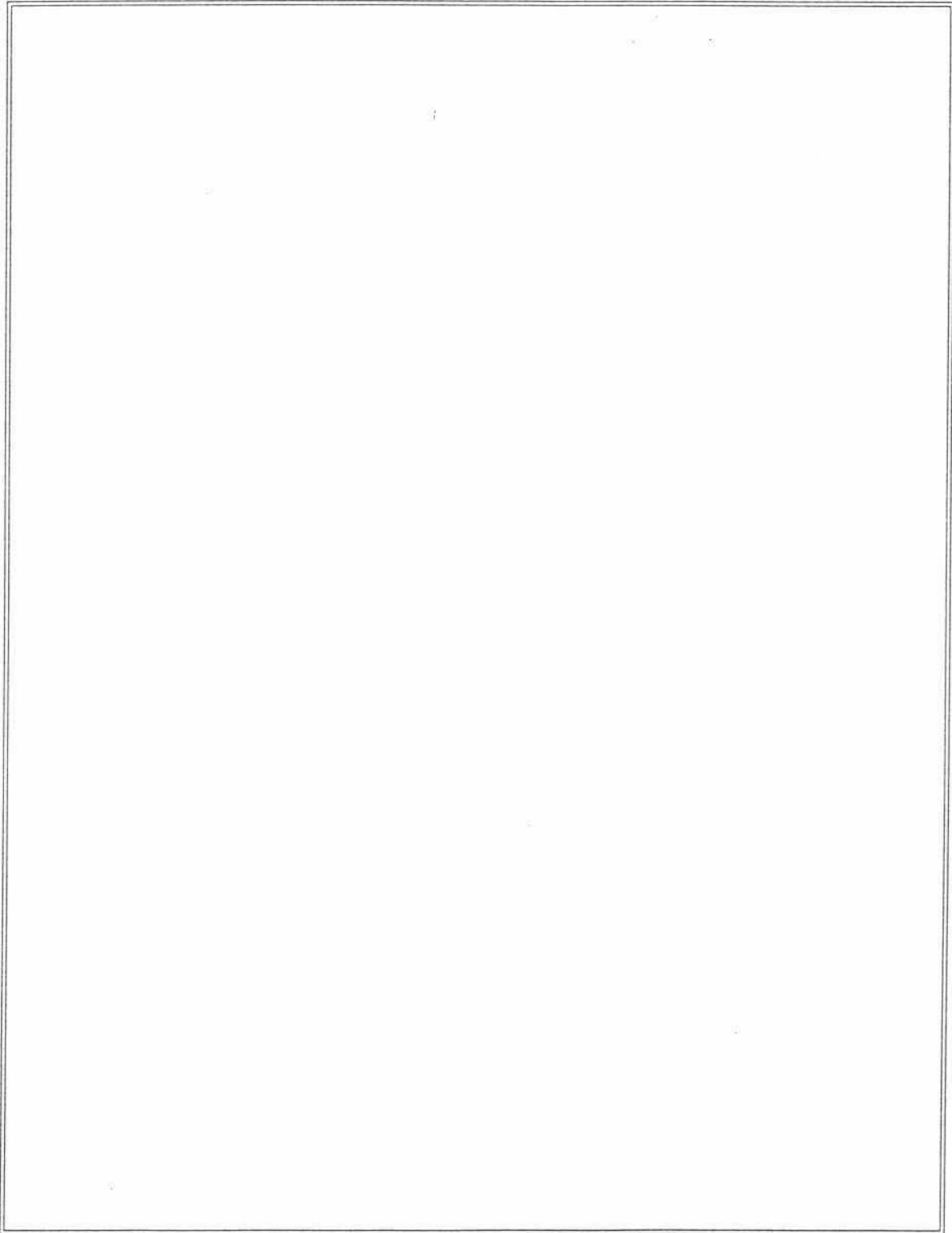
11. Use of transportation modes in inward and outward movement of fish of the market.

Transport mode	% of total import	% of total export
Head load	30	—
Boat	25	—
Mechanized boat	5	20
Rickshaw van	40	—
Bus	—	30
Truck	—	50
Railway	—	—

Investigator			
Date	13	12	93



## MAP OF THE MARKET



# FAP 17 STUDY

Form: MS 02 Information on fish market functionaries  
(Form MS 02 to be used for interviewing Faria/Bepari/Paikar/Chalani separately.)

1. Respondent's Identification

code

Region	Market type	Resp type	Resp. Sl.
SW	1	2	7

1.1 Name of Respondent Mrinal Majumdar

1.3. Age 32

1.2 Father's name Pratap Majumdar

1.4 Religion 2 Code

1.5 Residence

code 2

Res. codes: 1. Village; 2. Union; 3. Thana; 4. Dist.; 5. Outside [with ref.to market]

2. How many markets do you operate at?

(number) 2

3. How long have you been engaged in fish trade?

(yrs) 3

4. What is the period of your involvement in fish trade ?

(code) 2

codes: 1. Throughout the year; 2. Beel harvesting period; 3. Pond harvesting period;

4. Beel and pond harvesting period;

5. If you are part-time in fish trade, what do you do during the rest of the year?

code 4

Secondary Occupation codes: 1. Fishing; 2. Fish fry trade; 3. Fish net trade;

4. Agriculture; 5. Other.

6. What was the daily average quantity of fish traded by you during the peak and lean periods last year ?

Period	Quantity in kg. and Price in Taka/kg.													
	major carp		Silver carp		Snake head		other L.Sp.		Live fish		Small fish		Hilsa	
	Qy	Price	Qy	Price	Qy	Price	Qy	Price	Qy	Price	Qy	Price	Qy	Price
Peak(m:	—	—	—	—	10	20	—	—	8	35	5	20	—	—
Lean(m:	—	—	—	—	—	—	—	—	—	—	—	—	—	—

7. State the sources of supply of your fish :

Supply source	% of total supply	
	peak period	lean period
Own	—	—
Fisherman	100	100
Faria	—	—
Bepari	—	—
Fish coop	—	—
Arotdar	—	—

8. Do you sell to selected parties ?

Y ☒

9. If yes, state the main reason.

code —

Reason codes: 1. Taken advance; 2. Kinship; 3. Taken advance and kinship;

4. Offer better price; 5. Provide additional services;

6. Offer better price and additional services; 7. Mutual trust.

10. How many days do you require to complete one chalan ? code   
 Codes : 1. One day; 2. Two days; 3. Three days; 4. Four days; 5. Five days.

11. What is the amount of money required for one chalan ? Tk. 300

12. What is the source of your capital ?

source	amount(Tk)	Remark
Own	300	—
Partners	—	—
Credit	—	—
Total	300	—

13. What are the sources and amounts of credit taken ?

source	amount (Tk.)	condition	
		interest%	period
Bank	—	—	—
Mahajan	—	—	—
Arotdar	—	—	—
Bepari	—	—	—
Coop	—	—	—
Friend/Reln	—	—	—

14. In what mode of transportation, you experienced major losses during the last five years? code

15. State major cause of loss: code   
 Causes of loss codes: 1. Long time; 2. Transport break down;  
 3. Preservation difficulties; 4. Extortion by third parties.

16. What is your suggestion for the improvement of fish transportation ?

17. What are the marketing costs incurred by you at buying point and this market for today's chalan ?  
 (UseForm: MS03)

18. What are the quantities and prices of fish bought/sold by you to-day ?  
 ( Use Form: MP01 )

FAP 17 STUDY

Form: MS 03

Information on Marketing Cost

1. Respondent's name Eakub Khan 1.1 Sl. No 1

2. Indicate Buying point: code           

Buying point codes: 1. Fishing ground; 2. Primary market; 3. Secondary market; 4. Tertiary market.

3. Costs at Buying Point. Bandarbari, Rajoir Tk./kg.

	Tk/Trader/Day	
Market charges	( )	—
Market toll	( )	—
Sweeper charge	( )	—
Subscription to association	( )	—
Donations ,tips, etc.	( )	—
Personal expenses	( )	—

Packaging & processing  
material cost

metallic drum (Tk./drum= )	—
bamboo basket(Tk./ basket= )	—
jute bag (Tk./ bag= )	—
polythene paper( Tk./sheet= )	—
ropes,nails, etc.	—
labour charge (Tk./40 kg= )	—

Ice cost

4. Transportation Cost.

Transport Mode	Distance covered(km)	Time(hrs)	Hire charge Tk./kg.
Head load	—	—	—
Boat /Mechanized boat	—	—	—
Rickshaw van	<u>1</u>	<u>150</u>	—
Bus	—	—	—
Truck	—	—	—
Railway	—	—	—

Other charge	Tk.
Bill charge	—
Ferry charge	—
Porter charge	—

5. Indicate selling point. code 3

1. Same market; 2. Other market,same type; 3. Higher market.

6. Name of selling point/market Tekenhat 6.1 Thana Rajoir

7. Costs at Selling Point. Tk./kg.

Market toll (Tk/ trader= )	—
Water charge Tk./ trader= )	—
Sweeper charge (Tk./ trader= )	—
Icing cost (Tk./md= )	—
Subscription to association (Tk./ trader= )	—
Donations,tips etc. (Tk./ trader= )	—
Boarding charge (Tk./ trader= )	—
Banking charges (Tk./ trader= )	—
Arot's 'kuli' charge (Tk./ trader= )	<u>2</u>
Other(specify)	—

8. Arot's Commission. 4 % 6

Investigator	
Date	13   12   93



## FAP 17 STUDY

Form: MS 04 Information on fish market Arotdari System.  
(Form MS 04 to be used for collection of information from arottdars.)



1. Respondent's Identification:

Code

Rgn	Mkt	Res.	Res.
	Type	Type	Sl.
SW	1	4	8

1.1 Name of Respondent Mrinal Mojumdar 1.3 Age 321.2 Father's name Pratap Mojumdar 1.4 Religion 2 Code

1.5 Residence

code

Res. codes: 1. Village; 2. Union; 3. Thana; 4. Dist.; 5. Outside (with ref.to market)

2. How long have you been engaged in arotdari? (Yrs)

3. Was your father an arotdar ?

Y N

4. Are any of your brothers arotdar ?

Y N

5. What was the daily average quantity of fish traded by your arot during the peak and lean periods last year ? [ Use seasonality chart]

Period	Quantity in kg and Price in Taka /kg.													
	Major carp		Exo. carp		S. head		Other L.sp		Live fish		Small fish		Hilsa	
	Qy	P	Qy	P	Qy	P	Qy	P	Qy	P	Qy	P	Qy	P
Peak( )	40	35	40	30	80	25	45	45	60	55	160	15	-	-
Lean ( - )	-	-	-	-	-	-	-	-	-	-	-	-	-	-

6. From whom do you get your supply of fish?

Supply Source	% of total purchase	
	peak period	Lean period
Fisherman	60	-
Faria	40	-
Bepari	-	-
Fish coop	-	-
Other Arotdar	-	-

7. If there has been any change in average volume of your business in last 5 years, indicate the change:

Indicator	%increase	%decrease
Volume of trade	50	-
Income	50	-

8.State reasons for the change with ranking:

Reason for change in trade volume	Ranking
Change in fish availability	1
Change in demand	2
Change in market competition	-
Higher investment need	-

Reasons for income change	Ranking
Change in Quantity	1
Change in Demand	-
High profit	2
Low profit	-

9. Has fish availability reduced in last 5 years ?

Y N

10. If yes, State reasons with ranking:

Reasons	Ranking
Siltation of river/ khal/ beel	—
FCD projects	—
Over—fishing	—
Use of illegal nets	2
Use of agro— chemicals	3
Other (specify)	—
	—

11. Do you have fixed suppliers?

☒ Y ☐ N

12. If yes, how is this relationship sustained:

Codes: 1. Given credit; 2. Kinship; 3. Given credit and kinship;  
4. Mutual trust; 5. Other(specify).

code

13. What is the source of your capital ?

source	amount(Tk)	Remark
Own	60000	—
Partners	—	—
Credit	10000	—
Total	70000	—

14. What are the sources and amounts of credit taken ?

source	amount (Tk.)	condition	
		interest ( %)	period
Bank	—	—	—
Mahajan	10000	60 %	6 month
Coop	—	—	—
Friend/Reln	—	—	—

15. What is your suggestion for the improvement of fish transportation ?

—

16. What is your suggestion for the improvement of fish preservation ?

—

17. What is your main source of information on price ?

code

Information source codes: 1. Contact person in higher market; 2. Radio bulletin;  
3. Telephone message; 4. Traders Association; 5. Chalani.

18. Are you a member of the traders association ?

☐ Y ☒ N

19. If yes, what are the benefits received by you ?

code

Benefit codes: 1. Credit; 2. Marketing information; 3. Better market management;  
4. Credit & marketing information; 5. Marketing information & market management.

## 20. Costs incurred by arot dar

	Tk./month
Salary for office employees	—
Salary for weigh man	—
Salary for helper	—
Rent for shed	—
Electricity	—
Office stationaries	150
Market guard charge	—
Sweeper charge	—
Water charges	—
Subscription to association	—
Donations(mosque,madrassa,etc.)	200
Expenses for bepari/chalani	2000
Taxes	—

## 21. Commission and other benifits received:

- (a) Commission 4 %  
 (b) Fish 5 %

22. What are the quantities and prices of fish transacted by your arot to-day ?  
 ( use Form: MP01 )

Investigator			
Date	11	12	93

FAP 17 STUDY

Form: MS05 Information on fish collection process.  
(information to be collected from fishermen/producers.)

1. Respondent's identification :

code	Region	Market type	Resp. type	Resp. Sl.
	SW	2	1	1

Gear used :	
Bengali name	code
Thaki jal	164
—	—
—	—

1.1 Respondent's Name Abdur Rahim

1.2 Father's name Abdur salam

1.4 Religion

1.3 Age 48  
code 1

2. Are you a pond owner?

☒ Y ☐ N

3. Where do you generally fish ?

code 7

Fishing ground codes: 1.Main river; 2. Secondary river/khal; 3.Beel; 4. floodplain;  
5. Ditch, Pagar, etc.; 6.Pond.

3.1 Where did you fish to-day ?

code 7

4.State costs incurred to bring fish to the market and other marketing costs:

Use Form MS 03

5. In how many markets do you sell ?

(Number) 1

6. Have you taken credit from any fish trader for fishing activity ?

creditor	credit type	amount	condition
Faria	—	—	—
Bepari	—	—	—
Arotdar	—	—	—
Chalani	—	—	—

Credit code: 1. Dadan; 2. Agam; 3. Loan(Rin).

7. Has fish availability in your locality reduced in last 5 years ?

☒ Y ☐ N

8. If yes, state reasons with ranking :

Reasons	Ranking
Siltation of river/khal/beel	—
FCD Projects(	—
Over-fishing	—
Use of agro-chemicals	—
Use of Illegal fishing nets	3
Fish disease	2
Other (Specify)	1

9. State the quantities of fish sold and prices obtained to-day.

(use Form MP01)

Investigator	
Date	13 / 12 / 93



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# FAP 17 STUDY

Form: MS 06

Information on fish market functionaries( Retailer).

1. Respondent's Identification code

Region	Market Type	Resp. Type	Resp. Sl. No
SW	2	7	10

1.1 Name of Respondent Md. Rahman

1.3 Age 45

1.2 Father's name Khalil Mia

1.4 Religion I code

1.5 Residence code I

Res. codes: 1. Village; 2. Union; 3. Thana; 4. Dist; 5. Outside [with ref.to market]

2. How many markets do you operate at? (number) I

3. How long have you been engaged in fish trade? (yrs) 15

4. What is the period of your involvement in fish trade ? (code) I

codes: 1. Throughout the year; 2. beel harvesting period; 3. pond harvesting period;

4. Beel and pond harvesting period;

5. If you are part-time in fish trade, what do you do during the rest of the year? code -

Secondary occupation codes: 1. Fishing; 2. Fish fry trade; 3. Fish net trade;

4. Agriculture; 5. Other.

6. What was the daily average quantity of fish traded by you during the peak and lean periods last year ?

Period	Quantity in kg. and				Price in Taka / kg.									
	Major carp		Exo. carp		Snake head		Other L.Sp.		Live fish		Small fish		Hilsa	
	Qy	P	Qy	P	Qy	P	Qy	P	Qy	P	Qy	P	Qy	P
Peak 10-3	-	-	-	-	5	40	-	-	5	55	7	30	-	-
Lean 4-9	-	-	-	-	2	50	-	-	2	100	5	50	10	45

7. From whom do you generally buy fish?

Supply source	% of total purchase	
	peak period	lean period
Fisherman	-	-
Faria	-	-
Bepari	-	-
Fish coop	-	-
Arot dar	100	100
Own	-	-

8. Has there been any change in your business in last 5 years ?

Y✓ N

9. If yes, indicate the changes:

Indicator	% Increase	% Decrease
Volume of trade	-	30
Income	-	30

10.State reasons with ranking:

Reason	Ranking
Change in fish availability	
Incraesed competition	
High prices	
Change in demand	

11. Has fish availability reduced in last 5 years ?

☒ Y ☐ N

12. If yes, state reasons with rankings:

Reasons	Ranking
Siltation of water bodies	—
FCD Projects	—
Over fishing	—
Use of agro- chemicals	—
Other (specify)	—

13. What is the source of your capital ?

source	amount(Tk)	Remark
Own	200	—
Partners	—	—
Credit	500	—
Total	700	—

14. What are the sources and amounts of credit taken ?

source	amount (Tk.)	condition	
		interest%	period
Bank	—	—	
Mahajan	—	—	
Arot dar	500	—	1 day
Bepari	—	—	
Coop	—	—	
Friend/Reln	—	—	

15. Do you realize extra weight while buying from the fisherman ?

☐ Y ☒ N

16. If yes, state the system and extent of extra weight: — %

17. Are you a member of the traders association ?

☐ Y ☒ N

18. If yes, what are the benefits received by you ?

code

Benefit codes: 1. Credit; 2. Marketing information; 3. Better market management;  
4. Credit & marketing information; 5. Marketing information & better market management.  
6. Other.

19. What are the quantities and prices of fish bought/sold by you to-day ?

( Use Form: MP01 )

Investigator	
Date	14   12   93

## FAP 17 STUDY

Form : MS07

Information on ice plants/factories

Region	Market type	Resp. type	Res. SI No
SW	2	9	13

1. Name of the enterprise Ice Cream Factory  
 2. Location of the ice plant :  
 2.1 Place Tekerhat 2.2 Thana Rajoir  
 2.3 Dist. \_\_\_\_\_  
 3.1 Respondent's Name Awal Mia 3.3 Age 42  
 3.2 Father's Name Majid Mia 3.4 Religion code   
 3.5 Designation Owner

## 4. Basic information on ice plant :

4.1 Year of establishment 1988  
 4.2 Total capacity (tonnes) 54

## 4.3 Types of ice produced daily

Season	Block		Flake	
	Qty in kg	Price/kg.	Qty in kg.	Price/kg.
Summer	540	1.67	—	—
Other time	150	1.67	100	20

## 5. Product distribution pattern :

ConsumerType	% Consumed	
	Block	Flake
Ice cream traders	—	100
Fish traders	100	—
Retailers	—	—
Others	—	—

6. Does the plant/factory operate at below normal capacity ?

Y ☒7. If yes, please quantify — %

8. How is ice delivered to the fish market ?

code

Codes : 1. Insulated carrier; 2. Open carrier; 3. Own arrangement of the fish trader.

9. Name the fish markets which obtain ice from this plant/factory:

Market Name	Thana	Distance (km.)
Tekerhat	Rajoir	0
—	—	—

Investigator \_\_\_\_\_  
 Date 14 / 12 / 93



Form: MS08

Information from transport agency

Respondent's Identification :

	Region	Market type	Resp. type	Res. Sl. No
code	SW	2	8	14

1. Name of the Agency

Bhuvia Company

## 2. Place of information

Tekerhat

## 2.1 Thana

Rajoir

2.2 Dist. Madaripur

### 3.1 Respondent's Name

Shunil sharma

### 3.3 Age 60

### 3.2 Father's Name

Shushil Sharma

### 3.4 Religion

code

2

#### 4. Respondent's Designation

Manager

### 3. Information on Fish transportation :

[illegible]

Investigator				
Date	14	12	93	



## Fish Price Monitoring

Date : 13/12/93

Primary Market : Tekerhat

Enumerator:

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Other Large Species</u> Pangus	158	—	
Chital (Large)	144		70 — 80 — 75 — 85

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Live Fish</u> Magur (large)	49		75 — 80 — 75 — 70
Shingi (Large)	88		55 — 60 — 65 — 60
Koi (Large)	6		80 — 85 — 80 — 80

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Cat Fish</u> Air (Large)	130		80 — 85 — 90 — 85
Boal (Large)	209		60 — 65 — 70 — 65
Baghair	16	—	
Bacha	76	—	
Ghaura	51		50 — 55 — 50 — 52
Rita	186	—	
Shillong	196	—	
Pabda (Large)	148		90 — 85 — 80 — 85

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Snake Head</u> Shoal (Large)	42		45 — 40 — 42 — 50
Gozar (Large)	39		40 — 42 — 40 — 38
Taki	41		15 — 20 — 22 — 18

## Fish Price Monitoring

Date : 13/12/93

Primary Market : Tekerhat

Enumerator:

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Small fish (gr.3)</u> Bailla	83		30 - 28 - 25 - 26
Kaikka	210		22 - 25 - 20 - 25
Khorsula	185	—	
Meni/Bheda	138		25 - 30 - 30 - 28

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Small fish (gr.4)</u> Tilapia	150	—	
Fulchela	189	—	
Foli	145		35 - 40 - 40 - 42
Nola	-		40 - 35 - 40 - 42
Nilotica	151	—	
Sarputi	179	—	

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Small fish (gr.5)</u> Ranga chanda	37	—	
Chapila	86	—	
Nama chanda	36	—	
Chuna	57	—	
Lal kailsha	56	—	
Colisha	55		25 - 28 - 26 - 27

## Fish Price Monitoring

Date : 13/12/93

Primary Market : Tekerhat

Enumerator:

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Spiny Eel</u> Tara Baim	121		28 - 25 - 25 - 26
Guchi Baim	123		28 - 25 - 25 - 26
Baral Baim	122		45 - 50 - 55 - 52
Gutum	110		30 - 25 - 30 - 35
Bilturi	139	—	

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Shrimp</u> Gura Icha	117		
Chotka chingri	119		50 - 60 - 65 - 55
Tengua chingri	113	—	
Golda	120		450 - 350 - 400 - 375

Bengali Name	Code	Price/ Kg.	Observations (Tk/kg)
<u>Major Carps</u> Rui (Large)	107		70 - 65 - 75 - 65
Catla (Large)	32		70 - 65 - 75 - 65
Mrigal (Large)	47		25 - 30 - 28 - 30
Kalbaus	102		35 - 40 - 32 - 45
Ghainna	104	—	
Bhagna/Laacho	48	—	
Bhangon	101	—	

## Fish Price Monitoring

Date : 13/12/93

Primary Market : Tekerhat

Enumerator:

Bengali Name	Code	Price/ Kg.	Observations (Tk/Kg)
<u>Exotic Carps</u>			
Karfu (Large)	62		50 - 45 - 48 - 50
Mirror carp	65		40 - 42 - 45 - 40
Gheso rui	60		35 - 40 - 35 - 40
Silver carp (large)	91		35 - 40 - 32 - 38
Karfu (small)	62		33 - 35 - 32 - 30
Bengali Name	Code	Price/ Kg.	Observations
Ilish	89	-	



## Fish Price Monitoring

Date : 13/12/93

Primary Market : Tekerhat

Enumerator:

Bengali Name	Code	Price/ Kg.	Observations (TK/Kg)
<u>Small fish (gr.1)</u> Puti	180		25 - 30 - 28 - 27
Kachki	58		30 - 25 - 20 - 28
Mola	5		35 - 38 - 32 - 36
Canchan puti	175	—	
Teri puti	181	—	
Darkina	75	—	
Tit puti	212	—	
Phutani puti	178	—	
Morarai	13	—	
Techoukka	9	—	
Debari	68	—	

Bengali Name	Code	Price/ Kg.	Observations (TK/Kg)
<u>Small fish (gr.2)</u> Tengra	137		35 - 40 - 32 - 38
Gang Tengra	81	—	
Gulsha Tengra	24	—	
Bata	100	—	
Baspata/Kajuli	2	—	
Buzuri	136		20 - 22 - 25 - 24
Katari	188	—	
Batashi	169		40 - 42 - 42 - 40
Kabashi	132		

## Fish Price Monitoring - Retrospective

Primary Market	Tekerhat
District	Madaripur
Date	13/12/93

Enumerator	
------------	--

Species Group	January	Observations	February	Observations
Puti		25 - 30 - 30		30 - 35 - 35
Tengra				
Bailla				
Tilapia				
Ranga chanda				
Pangas				
Magur				
Boal				
Shoal				
Tara Baim				
Gura Icha				
Rui				
Karfu				
Ilish				

Species Group	March	Observations	April	Observations
Puti		35 - 40 - 40		35 - 40 - 40
Tengra				
Bailla				
Tilapia				
Ranga chanda				
Pangas				
Magur				
Boal				
Shoal				
Tara Baim				
Gura Icha				
Rui				
Karfu				
Ilish				

Notes:



## 9      EXTRACTING DATABASES

The socioeconomic database files are in dBase IV format. These are zipped using the ARJ file compression utility. The dbase files of one survey are zipped into one file and the name of the survey is given as the filename.

Following is the list of zip files -

VILLAGE.EXE	-	contains all database files of the Village Census.
HOUSEHOLD.EXE	-	contains all database files of the Baseline and Monitoring Surveys.
CONSUMP.EXE	-	contains all database files of the Consumption Survey.
MARKET.EXE	-	contains all database files of the Fish Market Study.
ACCESS.EXE	-	contains all database files of the Access and Charge Distribution Survey, Gear Operation and Maintenance and Access Rights to Fisheries.

To unzip, please copy the zipped files in their respective directories and at the *dos* prompt type in the filename and press enter. When the compression utility prompts whether to continue extraction press 'Y'. For example -

*c:\village> village                      <enter>*



