

Fig. 4.1 Location of Identified Potential Subprojects in Netrakona

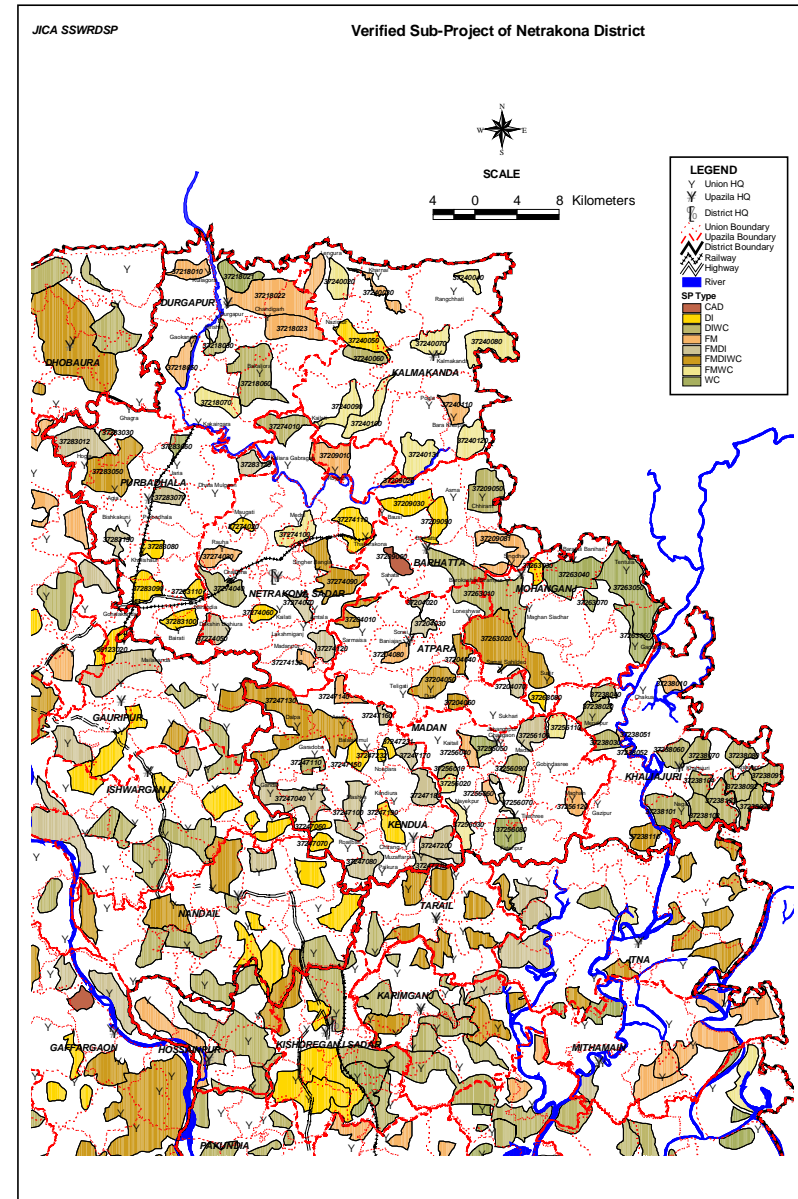


Fig. 4.2 Location of Verified Potential Subprojects in Netrakona

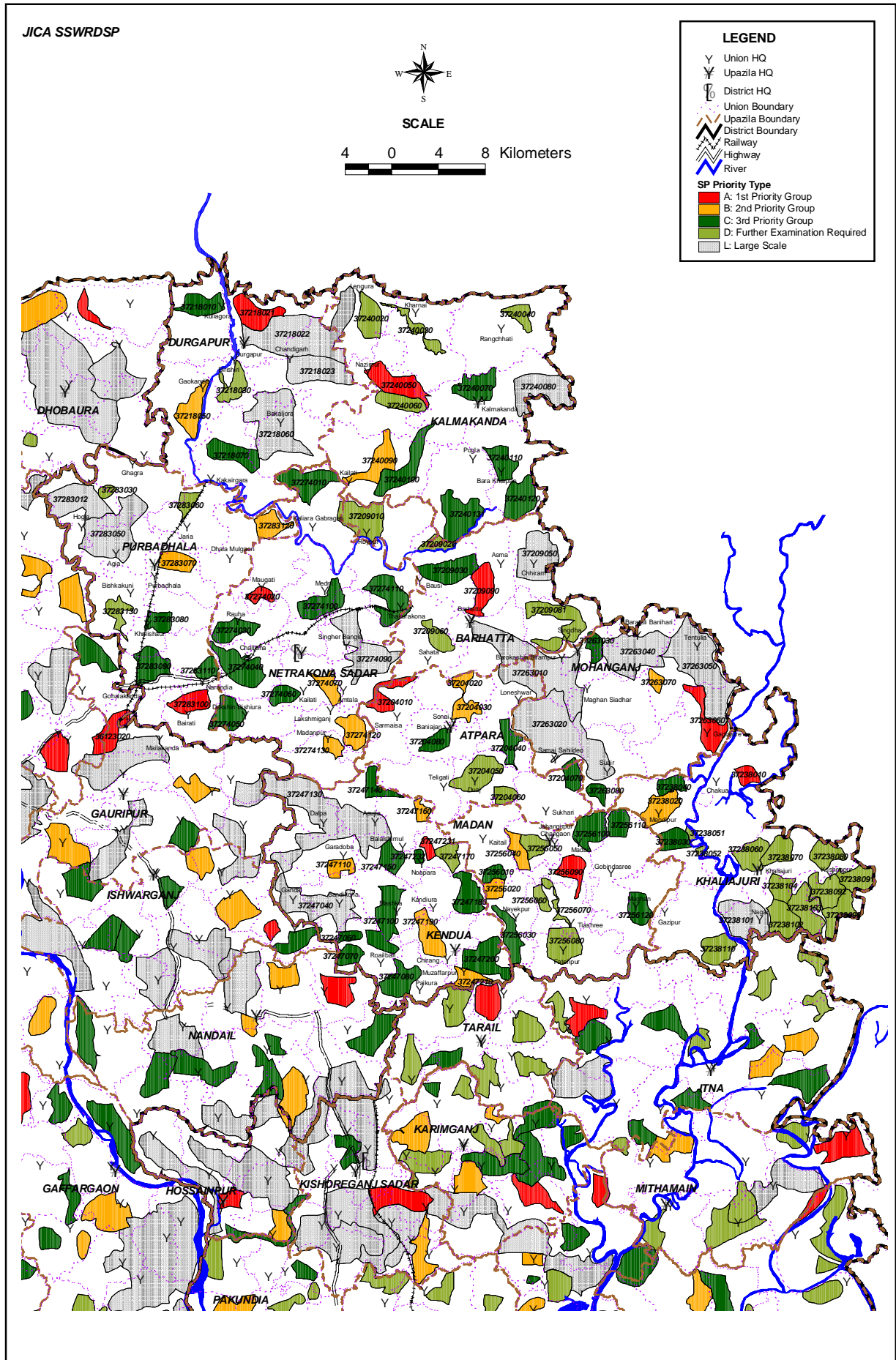


Fig. 4.3 Location of Prioritized Subprojects in Netrakona District

APPENDIX

UPAZILA WISE SUMMARY OF UNION QUESTIONNAIRE

Table : Summary of Upazila wise Data for Netrokona District

GeoCode No	Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union	
Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala			
1.2 Land and Land Use														
1.2.1 Total Area of Union	acre	T	38,932.85	54,473.00	63,163.10	46,928.00	98,049.00	102,035.68	76,432.70	58,761.00	90,247.43	84,043.55	713,066.31	100.0%
1.2.2 Total Forest Area	acre	T	749.00	975.80	4,950.00	110.00	2,277.60	2,073.99	4,190.90	477.00	23,501.35	1,058.48	40,364.12	95.3%
a Government reserve forests	acre	T	-	200.00	2,270.00	-	250.00	104.57	0.20	65.00	565.00	22.50	3,477.27	89.4%
b Homestead Area	acre	T	749.00	11,817.82	1,555.00	220.00	-	2,881.62	2,865.45	317.00	12,114.50	1,129.58	33,649.97	96.5%
1.2.3 Wet lands	acre	T	2,488.00	16,732.97	2,430.49	4,045.80	7,570.00	3,930.91	8,676.05	7,750.00	4,883.66	4,190.20	62,698.08	97.6%
1.3 Demography (2001)														
1.3.1 Total Population	persons	T	341,920	149,780	181,283	79,220	288,265	268,291	138,749	130,712	283,816	296,455	2,158,491	98.8%
1.3.2 Female Ratio	%	A	51.57	52.39	50.54	51.09	51.17	52.34	50.96	51.12	52.34	51.82	51.65	100.0%
Male Ratio	%	A	48.43	47.64	49.46	48.91	48.83	47.65	49.04	48.88	47.74	48.18	48.36	100.0%
1.3.3 Population more than 18 years old	persons	T	49,939	90,668	119,512	42,542	145,207	139,261	81,694	73,162	134,904	169,832	1,046,721	96.5%
1.3.4 Annual Growth Rate	%	A	1.19	1.68	1.78	1.53	1.19	2.00	1.77	1.21	2.10	2.13	1.72	94.1%
1.3.5 Literacy	(%)	A	25.26	38.13	41.03	21.34	31.35	39.32	37.84	29.15	52.37	44.26	37.88	97.6%
1.4 Social Infrastructure														
1.4.1 Number of Primary Schools														
Primary School	in No.	T	89	80	96	49	124	151	96	72	162	154	1,073	100.0%
Madrasa	in No.	T	31	36	48	9	48	71	29	19	65	67	423	98.8%
1.4.2 Number of Primary Health Care Centers	in No.	T	19	6	26	6	14	21	8	7	28	19	154	88.2%
1.4.3 Rural Water Supply														
a Number of Community Wells		T	4,090	9,587	16,380	1,314	14,753	5,523	19,475	2,179	16,230	16,949	106,480	87.1%
b Quality of domestic water (such as arsenic or other contamination)														
Yes	%	A	41.00	14.12	30.00	3.00	44.38	27.33	15.43	36.20	4.31	20.20	24.36	81.2%
No	%				5.00						2.00		3.50	7.1%
1.4.4 Total Household	Nos.	T	16,132	24,729	31,090	16,920	4,023	30,505	20,235	7,700	45,932	27,025	224,291	75.3%
1.4.5 % of electricity installed household	%	A	17.60	35.83	6.16	71.00	26.67	16.92	47.38	41.00	16.42	23.60	27.73	91.8%
1.5 Is there any BWDB Project in your Union ?														
Yes		C	2	3	1	3	6	2	2	4	1	5	29	34.1%
No		C	3	2	5	2	2	9	4	3	7	5	42	49.4%
2 FARM MANAGEMENT DEVELOPMENT														
2.1 General idea of agricultural development														
2.1.1 Cropping Pattern														
Considering the favorable natural and agro-ecological conditions of Bangladesh, establishment of <Rice + alpha> as a farming system is recommended: rice for food supply and alpha (Vegetables, fish and livestock) for cash income														
Yes		C	7	6	7	5	8	13	7	7	10	11	81	95.3%
No		C	-	-	-	-	-	-	1	-	-	-	1	1.2%
2.1.2 There are various constraints in the development of agriculture in Bangladesh. Please assess the constraints farmers are facing in your Union by the following items in your opinion.Constraints														
(1) Limitation of agricultural land														
1) Serious		C	-	-	-	-	-	-	-	-	-	-	-	0.0%
2) Medium		C	2	4	1	-	2	-	3	1	5	1	19	22.4%
3) Low		C	5	3	5	5	6	13	5	6	7	10	65	76.5%
2 Improved seeds														
1) Serious		C	-	-	-	-	-	-	-	-	1	-	1	1.2%
2) Medium		C	2	2	3	-	3	-	2	4	3	5	24	28.2%
3) Low		C	5	5	4	5	6	13	6	3	8	6	61	71.8%
3 Irrigation water supply in dry season														
1) Serious		C	1	2	2	1	-	2	3	-	-	3	14	16.5%
2) Medium		C	4	5	3	4	8	11	6	5	9	8	63	74.1%
3) Low		C	1	-	1	-	-	-	-	2	3	-	7	8.2%
4 Flood damages in monsoon season														
1) Serious		C	5	4	6	5	8	13	7	7	11	10	76	89.4%
2) Medium		C	2	2	-	-	1	-	-	-	1	-	6	7.1%
3) Low		C	-	-	1	-	-	-	-	-	-	1	2	2.4%

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GeoCode No	Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union		
Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala				
5	Less development of land preparation														
1)	Serious	C	1	1	1	-	-	1	1	-	1	-	6	7.1%	
2)	Medium	C	4	4	5	4	5	11	4	4	5	10	56	65.9%	
3)	Low	C	2	2	1	1	3	-	2	2	5	1	19	22.4%	
6	Less development of agricultural technology														
1)	Serious	C	-	-	-	-	-	-	1	-	-	1	2	2.4%	
2)	Medium	C	4	2	1	-	2	1	4	3	1	-	18	21.2%	
3)	Low	C	3	5	5	5	6	13	3	3	12	10	65	76.5%	
7	Low inputs (fertilizer, chemicals, capital, labour)														
1)	Serious	C	-	-	-	1	2	-	-	-	-	-	3	3.5%	
2)	Medium	C	-	2	5	1	1	-	1	-	3	3	16	18.8%	
3)	Low	C	6	5	2	3	5	13	7	7	10	8	66	77.6%	
8	Constraints in marketing														
1)	Serious	C	1	3	4	2	2	1	-	-	2	3	18	21.2%	
2)	Medium	C	4	3	3	3	6	12	5	2	9	7	54	63.5%	
3)	Low	C	2	1	-	-	-	-	3	5	1	1	13	15.3%	
9	Less crop diversification														
1)	Serious	C	3	6	3	5	6	13	7	1	6	10	60	70.6%	
2)	Medium	C	3	-	1	-	2	-	1	-	2	1	10	11.8%	
3)	Low	C	1	-	3	-	-	-	-	5	2	-	11	12.9%	
10	Mechanization														
1)	Serious	C	2	4	1	5	5	12	7	2	6	7	51	60.0%	
2)	Medium	C	3	3	4	-	2	1	-	5	3	2	23	27.1%	
3)	Low	C	2	-	1	-	-	-	1	-	3	1	8	9.4%	
2.2.	Collection of data/ information on agricultural fields including processing, preservation and marketing.														
2.2.1	Breakdown of farm holdings by size by the same category as Upazila in Percentage														
	Landless	%	A	19.08	22.07	24.02	13.00	20.73	26.00	27.06	28.63	25.73	22.10	23.57	95.3%
	0.05- 0.49	%	A	25.74	24.96	28.77	8.59	25.07	29.74	28.17	10.00	28.07	27.46	24.83	92.9%
	0.50- 0.99	%	A	16.43	18.70	14.50	15.95	23.07	20.63	21.29	17.29	18.33	19.60	19.08	92.9%
	1.00- 1.49	%	A	10.78	13.38	11.48	17.15	15.29	9.81	11.17	15.77	12.29	11.85	12.55	92.9%
	1.50- 2.49	%	A	11.40	9.44	6.64	12.69	7.67	6.86	7.57	9.44	7.92	8.37	8.42	92.9%
	2.50- 7.49	%	A	10.19	6.32	6.53	12.68	4.78	3.76	4.61	12.19	3.82	6.38	6.33	91.8%
	7.50 – 14.99	%	A	5.68	2.59	3.11	11.63	2.41	1.65	2.50	3.93	2.57	3.17	3.40	92.9%
	15.00 – 24.99	%	A	2.48	1.27	2.11	4.93	0.95	0.78	1.43	2.86	1.24	2.07	1.81	89.4%
	25.00 & above	%	A	1.12	1.00	0.20	3.39	0.09	0.81	2.64	1.50	0.76	0.60	1.23	38.8%
	Total (100)	%	A	100.19	81.48	72.89	100.01	100.00	99.35	103.93	100.96	100.28	101.27	96.92	96.5%
2.2.2	Classification of land and cultivated crops in farm land														
(1)	Area of Indundation Type in %														
	Highland (0-30)	%	A	14.75	12.46	12.84	4.13	15.38	15.50	9.00	5.86	14.33	17.27	13.04	91.8%
	Med. Highland (30-90)	%	A	28.35	38.50	34.94	22.80	30.14	27.93	30.66	11.43	35.38	37.80	30.33	94.1%
	Med Lowland (90-180)	%	A	33.37	32.04	37.32	55.10	37.71	35.05	43.35	14.29	37.33	35.16	35.66	88.2%
	Lowland (above 180)	%	A	12.56	15.47	16.87	22.67	13.94	9.66	12.04	10.57	7.54	9.45	11.86	84.7%
	Very lowland (above 180)	%	A	10.98	15.91	9.59	13.00	2.84	25.32	4.95	57.86	5.73	5.07	15.13	88.2%
	Total (100)	%	A	100.00	93.56	88.45	100.00	100.00	99.71	87.50	100.00	100.31	93.91	96.51	98.8%
2.2.3	Crop Production														
2.3.1	Type of crop rotation														
(1)	Type A	CropI													
1)	Name of crop		Mustard	Mustard	Mustard	Boro	Mustard	Mustard	Wheat	Mustard	Mustard	Mustard			
	Date of sowing/transplting		Oct	Oct	Oct	Nov	Oct	Oct	Oct	Oct	Nov	Oct			
	Date harvesting		Nov	Nov	Nov	May	Nov	Nov	Nov	Nov	Jan	Nov			

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2) Name of crop		Boro	Boro	Boro	Fallow	Boro	Boro	Jute	Boro	Boro	Boro	-	
Date of sowing/transplting		Dec	Dec	Dec		Dec	Dec	Dec	Dec	Dec	Dec	-	
Date harvesting		Feb	Feb	Feb		Mar	May	Feb	Feb	Feb	Feb	-	
3) Name of crop		T. Aman	B. Aman	Vegetables	Fallow	Aman	B. Aman	Aman	Boro	Aman	B. Aman	-	
Date of sowing/transplting		Apr	Apr	Jul			Apr	Apr		Aug	Apr	-	
Date harvesting		May	May	Sep			May	May		Dec	May	-	
4) Share	%	85	60	60	74	60	50	50	70	70	70	70.00	36.4%
(2) Type B												-	
1) Name of crop		Wheat	Wheat	Wheat	Boro	Wheat	Wheat	Mustard	Wheat	Wheat	Wheat	-	
Date of sowing/transplting		Nov	Nov	Nov	Nov	Nov	Nov	Nov	Nov	Dec	Nov	-	
Date harvesting		Dec	Dec	Dec	May	Dec	Dec	Dec	Mar	Feb	Dec	-	
2) Name of crop		Jute	Jute	Jute	T. Aman	Jute	Jute	Boro	Jute	Jute	Jute	-	
Date of sowing/transplting		Mar	Mar	Mar	Jun	Mar	Mar	Mar	Mar	Mar	Mar	-	
Date harvesting		Apr	Apr	Apr	Aug	Apr	Jun	Apr	Jun	May	Apr	-	
3) Name of crop		Vegetables	Vegetables	Fallow	Vegetables	Fallow	Vegetables	Vegetables	Fallow	Vegetables	Vegetables	-	
Date of sowing/transplting		Jul	Jul		Oct		Sep	Jul		Sep	Jul	-	
Date harvesting		Sep	Sep		Nov		Dec	Sep		Nov	Sep	-	
4) Share	%	10	30	30	16	30	35	40	25	20	20	20.00	36.4%
(3) Type C	Cropl											-	
1) Name of crop		Vegetables	Vegetables	Vegetables	mundnut, Cucum	Vegetables	Vegetables	Vegetables	Vegetables	Vegetables	Vegetables	-	
Date of sowing/transplting		Oct	Oct	Oct	Dec	Oct	Oct	Oct	Oct	Dec	Oct	-	
Date harvesting		Dec	Dec	Dec	Apr	Dec	Dec	Dec	Dec	Dec	Dec	-	
2) Name of crop		Fallow	Fallow	Fallow	Fallow	Fallow	Vegetables	Fallow	Fallow	Fallow	Fallow	-	
Date of sowing/transplting							Oct					-	
Date harvesting							Dec					-	
3) Name of crop		Vegetables	Vegetables	Vegetables	Fallow	Vegetables	Fallow	Vegetables	Vegetables	Vegetables	Vegetables	-	
Date of sowing/transplting		Oct	Oct	Oct		Oct		Oct		Oct	Oct	-	
Date harvesting		Dec	Dec	Dec		Dec		Dec		Dec	Dec	-	
4) Share	%	12.00	10.71	15.83	11.20	9.25	18.77	12.50	6.67	13.33	12.45	13.09	91.8%
Total (100)	100%	72.86	100.00	87.14	100.00	96.88	101.15	100.00	42.86	95.00	100.00	91.18	100.0%
2.2.4 Rice production and processing methods												-	
(1) Land preparation												-	
Mechanized and name of machines	A	50.00		80.00								65.00	96.5%
Traditional and name of tools	A	50.00		20.00								35.00	95.3%
House labor .men	A	62.33	65.00	42.00	85.00	58.00	55.33	61.25	36.43	57.50	62.22	57.80	88.2%
House labor .women	A	0.50	5.00	9.33		4.50	6.67	7.88	8.57	8.36	5.44	6.70	75.3%
Hired labor men	A	37.33	27.50	49.40	15.00	26.88	29.42	23.38	41.43	25.25	23.22	28.75	88.2%
Hired labor women	A	-	8.75	7.50		10.63	8.58	7.50	13.43	8.80	9.11	9.21	71.8%
(2) Seed sowing												-	
Mechanized and name of machines												-	
Traditional and name of tools	A	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	98.18	100.00	99.73	90.6%
House labor .men	A	90.00	72.00	64.40	94.00	67.63	72.08	71.88	71.43	81.25	71.11	74.57	87.1%
House labor .women	A	1.00	3.00	5.67		4.00	2.90	4.17	3.00	5.78	2.88	3.75	65.9%
Hired labor men	A	9.00	28.00	29.40	6.00	22.25	23.42	21.25	23.57	15.40	24.44	21.00	84.7%
Hired labor women	A	0.50	1.67	4.67		6.13	2.27	3.75	2.00	2.86	2.13	3.07	67.1%

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(3)	Transplanting													
	Mechanized and name of machines													
	Traditional and name of tools	A	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	91.8%
	House labor .men	A	35.00	56.67	40.40	65.00	54.38	52.58	55.00	50.00	54.00	55.00	52.99	87.1%
	House labor .women	A	-	2.00	7.50	5.00	2.64	6.17	6.17	4.67	6.83	2.63	4.26	55.3%
	Hired labor men	A	65.00	47.67	47.00	35.00	35.63	41.08	34.75	43.83	40.00	38.11	40.99	87.1%
	Hired labor women	A	-	6.67	16.00	11.00	4.27	6.43	4.00	4.43	5.13	6.10	6.10	60.0%
(4)	Weeding													
	Mechanized and name of machines	A	-	9.00	15.43	15.00	6.63	14.45	6.50	7.33	24.09	15.00	13.23	88.2%
	Traditional and name of tools	A	100.00	93.00	84.57	85.00	93.38	94.64	93.00	92.86	77.50	85.00	88.83	94.1%
	House labor .men	A	43.33	45.00	36.00	84.00	48.25	49.60	47.50	46.14	50.00	47.11	49.50	84.7%
	House labor .women	A	-	2.33	7.67	5.00	3.00	11.00	6.25	1.00	6.11	2.67	5.42	58.8%
	Hired labor men	A	56.67	48.25	52.20	18.75	41.63	41.82	39.50	39.71	36.67	41.67	40.86	83.5%
	Hired labor women	A	-	5.00	18.00	5.00	14.40	5.40	6.13	3.86	5.56	5.83	6.60	61.2%
(5)	Irrigation													
	Mechanized and name of machines	A	86.25	86.67	86.86	82.00	94.38	83.75	87.50	91.43	80.00	88.18	86.41	96.5%
	Traditional and name of tools	A	13.75	15.00	17.00	19.00	5.63	21.36	13.13	8.57	18.33	11.36	14.51	92.9%
	House labor .men	A	98.33	72.50	96.00	73.00	100.00	95.67	100.00	64.29	92.08	96.11	89.91	88.2%
	House labor .women	A	-	-	-	-	-	2.00	-	-	10.00	-	4.00	3.5%
	Hired labor men	A	2.50	42.50	10.00	27.00	-	-	-	50.00	21.25	17.50	28.26	27.1%
	Hired labor women	A	-	-	-	-	-	-	-	-	10.00	-	5.00	2.4%
(6)	Fertilizer/Chemicals													
	Mechanized and name of machines	A	2.50	60.00	47.50	10.00	35.33	-	-	-	18.33	18.75	23.67	24.7%
	Traditional and name of tools	A	98.75	88.00	86.43	100.00	96.25	91.18	100.00	100.00	95.00	93.18	94.58	91.8%
	House labor .men	A	53.33	62.50	91.00	88.00	95.63	89.33	88.75	82.86	74.58	86.67	83.66	85.9%
	House labor .women	A	-	-	-	-	6.50	10.00	-	-	12.50	-	8.00	7.1%
	Hired labor men	A	70.00	30.00	9.00	15.00	7.00	11.00	11.43	30.00	23.18	12.78	17.50	70.6%
	Hired labor women	A	-	-	-	-	-	5.00	2.00	-	10.00	-	4.25	4.7%
(7)	Harvesting													
	Mechanized and name of machines													
	Traditional and name of tools	A	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.17	100.00	99.87	92.9%
	House labor .men	A	26.67	35.00	36.40	51.00	62.88	53.33	51.13	45.43	45.67	51.67	48.49	85.9%
	House labor .women	A	-	-	-	-	-	21.50	15.00	2.20	33.33	-	14.08	14.1%
	Hired labor men	A	73.33	49.00	58.60	49.00	35.88	42.82	43.13	51.29	47.91	46.22	47.31	83.5%
	Hired labor women	A	-	4.67	8.33	5.00	4.18	3.88	1.71	3.83	3.17	3.83	3.83	55.3%
(8)	Transportation													
	Mechanized and name of machines	A	12.50	46.00	32.50	32.50	46.25	39.09	32.50	54.29	45.70	47.27	42.16	82.4%
	Traditional and name of tools	A	91.67	58.33	74.29	87.00	60.00	64.17	67.50	42.86	66.08	54.00	64.14	94.1%
	House labor .men	A	26.67	23.33	20.00	44.00	34.38	26.67	34.38	16.25	25.45	40.00	30.07	80.0%
	House labor .women	A	-	-	-	-	-	70.00	11.00	-	50.00	-	32.00	7.1%
	Hired labor men	A	73.33	70.00	72.00	56.00	60.00	61.25	55.75	73.33	69.09	53.33	63.01	82.4%
	Hired labor women	A	-	10.00	15.00	9.00	9.00	9.50	8.14	10.00	8.57	10.00	9.25	51.8%
(9)	Threshing													
	Mechanized and name of machines	A	73.75	24.60	55.71	81.00	36.63	17.44	21.38	64.29	68.36	30.36	44.93	90.6%
	Traditional and name of tools	A	35.00	75.40	51.67	19.00	63.38	87.33	78.63	25.71	31.64	69.64	57.43	90.6%
	House labor .men	A	38.33	42.50	39.00	78.00	55.25	51.27	66.71	20.00	46.25	47.78	49.26	82.4%
	House labor .women	A	-	2.33	5.50	2.80	2.80	2.60	9.50	4.00	7.75	4.17	4.66	48.2%
	Hired labor men	A	61.67	38.50	57.40	22.00	38.38	45.27	27.29	78.00	45.17	47.22	45.24	82.4%
	Hired labor women	A	-	3.00	18.50	7.40	7.40	10.90	20.80	2.00	4.56	4.17	8.51	50.6%

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GeoCode No		Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union
Upazila Name			Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
(10)	Drying													
	Mechanized and name of machines		-	1.00				25.00					8.67	4.7%
	Traditional and name of tools	A	100.00	100.00	100.00	100.00	100.00	97.92	100.00	100.00	100.00	100.00	99.68	92.9%
	House labor .men	A	7.33	20.00	27.00	28.00	50.00	56.67	76.67		15.22	40.00	31.88	40.0%
	House labor .women	A	36.00	23.33	38.75	48.00	6.63	20.50	8.80	22.00	45.30	24.44	26.74	72.9%
	Hired labor men	A	-	10.00	23.75	22.00	45.00	16.67	46.00	10.00	24.57	15.00	21.81	37.6%
	Hired labor women	A	35.00	66.67	38.33	5.00	57.75	77.50	47.50	65.83	43.80	63.33	56.58	67.1%
(11)	Cleaning & Grading													
	Mechanized and name of machines		-		10.00		4.33				47.50		16.86	9.4%
	Traditional and name of tools	A	100.00	100.00	98.57	100.00	98.38	100.00	100.00	100.00	92.08	90.50	97.27	92.9%
	House labor .men	A	30.00	10.00	35.67	11.00		50.00	10.00	12.00	20.67	40.00	22.91	27.1%
	House labor .women	A	53.33	26.67	26.25	40.00	13.75	10.00	14.29	14.29	39.90	33.33	25.06	77.6%
	Hired labor men	A	-	5.00	34.33	50.00		25.00	20.00	10.00	25.25	10.00	26.14	24.7%
	Hired labor women	A	40.00	68.33	46.25	52.67	86.25	86.36	72.86	40.00	55.10	65.56	65.61	75.3%
(12)	Milling													
	Mechanized and name of machines	A	93.33	71.67	84.29	93.00	61.88	71.67	81.88	89.57	89.17	80.45	80.47	96.5%
	Traditional and name of tools	A	10.00	28.00	18.33	9.00	38.75	27.92	29.00	9.57	12.73	19.55	21.21	85.9%
	House labor .men	A	40.00	10.00	87.50	81.25	25.00	80.00	30.00	10.00	64.44	56.67	54.11	32.9%
	House labor .women	A	10.00	50.00	5.00	11.67	50.00		20.00	40.00	14.00	26.67	19.90	23.5%
	Hired labor men	A	-	7.50	7.50	32.50	15.00	20.00	25.00	10.00	22.38	17.50	18.56	29.4%
	Hired labor women	A	-	35.00	5.00	10.00	5.00		25.00		13.67	7.50	12.36	12.9%
(13)	Par-boiling/boiling													
	Mechanized and name of machines	A	-	4.50	7.67	5.00	7.00	5.27	12.14	5.00	26.78	13.38	11.41	61.2%
	Traditional and name of tools	A	100.00	81.00	96.71	99.00	95.63	95.17	95.00	98.57	85.58	89.30	93.00	92.9%
	House labor .men	A	63.33	17.50	58.50	29.00	27.25	30.00	29.38	25.00	33.33	22.50	30.71	74.1%
	House labor .women	A	50.00	53.33	65.00	52.50	52.75	46.55	55.00	50.00	41.00	51.25	49.81	67.1%
	Hired labor men	A	-	10.67	11.50	21.00	12.14	14.82	12.50	15.00	24.36	15.00	16.00	65.9%
	Hired labor women	A	5.00	16.00	12.50	10.00	7.86	15.00	9.38	5.00	8.60	13.75	10.96	65.9%
(14)	Storage													
	Mechanized and name of machines		-								10.00		5.00	4.7%
	Traditional and name of tools	A	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.17	100.00	99.87	92.9%
	House labor .men	A	85.00	45.00	71.40	45.00	72.00	76.25	80.00	41.67	70.00	76.11	68.35	83.5%
	House labor .women	A	15.00	30.00	21.25	19.88	25.45	20.00	41.67	23.50	23.57	25.00	24.48	70.6%
	Hired labor men	A	-	12.50	21.00	55.00	15.00	5.00		13.75	31.67	25.00	26.76	24.7%
	Hired labor women	A	-	25.00	10.00					7.50			9.29	8.2%
(15)	Marketing													
	Mechanized and name of machines		-		55.00			100.00	45.00		50.00	5.00	46.00	12.9%
	Traditional and name of tools	A	100.00	100.00	84.29	100.00	100.00	100.00	94.38	100.00	80.00	99.55	94.74	91.8%
	House labor .men	A	100.00	62.50	55.80	86.00	81.43	73.75	76.25	81.67	84.36	76.67	77.60	82.4%
	House labor .women	A	-	5.00	17.50		5.00	6.36	9.38	3.00	6.70	5.83	6.57	60.0%
	Hired labor men	A	-	23.33	37.20	14.00	17.14	20.42	13.57	13.33	17.50	20.00	18.85	70.6%
	Hired labor women	A	-	5.00					5.00	3.00			3.56	10.6%
2.2.5	Services of Extension Workers													
(1)	Number of agricultural extension workers in No	T	17	21	19	5	13	38	16	20	30	28	207	97.6%
(2)	Frequency of visit to farmers Time/Month	A	2.14	5.29	6.33	2.00	21.25	2.31	2.57	2.33	5.27	2.56	5.23	97.6%

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Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
2.2.7 Cooperative Activities													
(1) Numer of Cooperatives in No.													
Farmers' cooperatives	T	90	70	104	131	141	48	33	125	43	77	862	83.5%
Credit group	T	1	63	102	189	171	81	27	74	124	86	918	78.8%
Water management association	T	-	2	-	1	6	18	-	4	10	20	61	30.6%
Fishery Cooperative Association	T	5	12	7	43	12	19	11	199	22	16	346	70.6%
Others	T	5	5	21	36	59	14	5	4	15	68	232	60.0%
Total	T	101	152	234	400	389	180	76	406	214	267	2,419	100.0%
(2) Organization Ratio by house holding in cc%													
Farmers' cooperatives	A	110.00	32.00	91.29	28.00	11.88	42.91	19.75	19.57	31.75	32.89	40.27	80.0%
Credit group	A	5.00	32.25	125.00	30.00	22.50	35.08	16.13	23.33	31.18	31.50	36.00	69.4%
Water management association	A	-	8.00	-	5.00	-	11.50	-	11.00	6.25	10.57	8.74	31.8%
Fishery Cooperative Association	A	13.75	5.50	1.72	30.00	25.00	6.05	5.13	14.29	4.36	4.38	7.70	68.2%
Others	A	10.40	12.67	10.21	7.00	20.00	7.44	6.00	3.67	10.08	10.00	9.64	62.4%
Total	A	79.57	47.57	187.14	20.00	26.80	83.81	44.00	58.57	78.58	67.91	71.25	100.0%
2.2.8 Production cost													
Are there any survey information /data on in Tk													
Rice	A	4,316.67	6,371.43	6,950.00	9,220.00	7,125.00	7,083.33	7,132.86	5,500.00	13,175.00	7,672.73	7,814.30	92.9%
Jute	A	2,050.00	4,875.00	2,250.00	-	2,360.00	3,200.00	5,166.67	3,583.33	3,887.50	2,300.00	3,348.78	48.2%
Wheat	A	1,800.00	4,500.00	4,500.00	-	3,720.00	5,083.33	4,760.00	3,071.43	27,312.50	3,740.00	7,878.72	55.3%
Vegetables	A	5,083.33	14,333.33	10,000.00	24,900.00	10,582.50	13,791.67	13,571.43	33,892.86	12,063.64	10,590.91	14,449.48	90.6%
Oilseeds	A	1,550.00	3,833.33	3,000.00	6,800.00	2,775.00	3,827.27	3,775.43	2,600.00	3,345.45	3,390.91	3,480.68	83.5%
Pulses	A	940.00	2,716.67	3,000.00	5,500.00	5,637.50	3,190.91	3,371.43	2,200.00	2,781.82	3,500.00	3,360.87	81.2%
2.2.9 Livestock													
(1) Number of animals and source of feed in your Union (2002 – 03)													
1) Cattle													
Number of animals	T	22,816	32,552	56,000	14,000	29,500	22,900	5,600	29,300	52,221	55,940	320,829	97.6%
Rice straw	C	7	7	7	5	8	13	8	7	12	10	84	98.8%
Green Fodder	C	6	6	5	5	6	13	8	7	12	9	77	90.6%
Waste of human food	C	5	1	1	-	3	2	-	-	-	1	13	15.3%
Farmer's own produced cereal feed	C	3	-	-	-	-	-	-	-	2	-	5	5.9%
Procured cereal feed	C	6	6	3	1	6	12	7	2	4	8	55	64.7%
2) Buffalo													
Number of animals	T	10	63	680	1,020	6,980	100	350	1,140	55	19	10,417	50.6%
Rice straw	C	1	5	6	5	8	6	6	2	5	3	47	55.3%
Green Fodder	C	1	5	4	5	6	6	6	3	5	3	44	51.8%
Waste of human food	C	-	-	-	-	3	1	-	1	-	-	5	5.9%
Farmer's own produced cereal feed	C	-	-	-	-	-	-	-	-	-	-	-	0.0%
Procured cereal feed	C	1	4	3	1	6	6	6	-	2	1	30	35.3%
3) Goat / sheep													
Number of animals	T	17,628	18,532	51,900	7,500	33,800	22,900	4,000	38,400	38,000	56,800	289,460	96.5%
Rice straw	C	5	5	4	-	1	9	8	2	8	2	44	51.8%
Green Fodder	C	6	6	6	4	8	13	8	6	12	7	76	89.4%
Waste of human food	C	6	1	-	-	3	2	-	3	-	-	15	17.6%
Farmer's own produced cereal feed	C	3	-	1	-	-	1	-	-	1	-	6	7.1%
Procured cereal feed	C	4	1	-	-	3	6	-	-	1	2	17	20.0%

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Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
4) Fowls													
Number of animals	T	113,051	56,082	135,000	20,000	185,200	106,100	29,700	118,000	129,000	160,100	1,052,233	95.3%
Rice straw	C	3	-	-	-	-	-	1	-	-	-	4	4.7%
Green Fodder	C	3	1	-	5	-	1	-	-	1	1	12	14.1%
Waste of human food	C	6	6	6	5	8	13	7	7	9	10	77	90.6%
Farmer's own produced cereal feed	C	3	1	1	3	-	1	-	5	3	-	17	20.0%
Procured cereal feed	C	4	2	1	4	1	3	-	5	8	4	32	37.6%
5) Ducks													
Number of animals	T	152,176	63,700	82,000	30,500	108,200	75,750	36,400	151,000	221,500	172,140	1,093,366	95.3%
Rice straw	C	1	-	-	-	-	-	1	-	-	-	2	2.4%
Green Fodder	C	3	1	-	5	-	-	-	-	-	-	9	10.6%
Waste of human food	C	4	2	4	4	5	5	1	5	6	5	41	48.2%
Farmer's own produced cereal feed	C	3	2	2	3	-	3	3	5	3	3	27	31.8%
Procured cereal feed	C	5	2	3	5	4	5	4	5	11	5	49	57.6%
(2) Seriousness of major problems in animal production in terms of the following items: Your oppening (Ö)													
1) Feed supply													
High	C	-	-	-	-	1	-	-	-	-	-	1	1.2%
Medium	C	5	5	5	5	8	12	6	1	9	10	66	77.6%
Low	C	1	2	1	-	-	1	2	6	2	1	16	18.8%
Countermeasures													
2) Water supply in dry season													
High	C	-	-	-	-	2	-	-	-	-	1	3	3.5%
Medium	C	5	5	5	5	7	12	7	7	8	9	70	82.4%
Low	C	1	2	1	-	-	1	1	1	3	1	11	12.9%
Countermeasures													
3) Vaccination													
High	C	1	7	5	5	8	12	8	2	8	10	66	77.6%
Medium	C	5	-	-	-	-	-	-	-	1	-	6	7.1%
Low	C	-	-	1	-	-	1	-	5	2	2	11	12.9%
Countermeasures													
4) Shelter at flooding													
High	C	3	2	-	-	-	4	-	1	-	1	11	12.9%
Medium	C	-	-	-	-	-	-	1	-	1	2	4	4.7%
Low	C	3	4	6	5	8	8	7	6	9	7	63	74.1%
Countermeasures			v										
5) Easiness of access to veterinary surgeon													
High	C	-	-	-	-	-	-	1	-	-	3	4	4.7%
Medium	C	6	4	5	4	8	12	7	6	7	5	64	75.3%
Low	C	-	3	-	1	-	1	-	-	4	2	11	12.9%
Countermeasures													
2.2.10 Fisheries													
1 How many farmers with fisheries and specialized fishers are working in your Union ?													
1) Farmers with fisheries													
Open water fisheries	T	660	3,900	4,100	628	1,550	7,005	23,700	1,620	8,900	9,375	61,438	77.6%
Aquaculture	T	-	855	200	8	100	1,265	-	250	850	40	3,568	30.6%
Fishery in water bodies	T	1,390	1,520	950	169	4,825	2,500	16,790	5,352	1,800	3,375	38,671	90.6%
Others (fish processing and fish dealers)	T	-	-	-	12	-	-	-	-	-	50	62	5.9%

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2) Specialized fishers.														
Open water fisheries	T	1,622	3,340	3,340	31,061	230	1,117	2,035	11,633	1,505	1,855	57,738	85.9%	
Aquaculture	T	150	1,360	450	6,942	670	2,900	700	747	568	1,000	15,487	61.2%	
Fishery in water bodies	T	50	70	50	359	11,135	300	-	4,050	20	-	16,034	25.9%	
Others (fish processing and fish dealers)	T	-	-	-	3	-	-	-	-	-	85	88	2.4%	
2 Open water fisheries														
1) Name of major species														
Fishing place		Rui River, Beel	Rui River, Beel	Rui Pond	Rui Beel, Haor	Rui River, Beel	Rui, Catla Beel, Khal, Beel	Catla River, Beel	Rui River, Beel	Rui River, Beel	Rui River, Beel			
Total Catch/year (kg)	Kg	T	2,800	15,000	12,500	250,080	15,800	33,600	45,750	21,000	28,900	20,050	445,480	84.7%
Sold fish /production (%)	%	A	95	50	50	90	96	45	30	50	75	25		19.1%
Selling price (Tk/kg)	Tk/Kg	A	100	100	100	100	100	80	120	60	100	100		18.2%
Change (%)														
Increase	C		1	2	-	3	-	1	3	-	3	1	14	16.5%
Constant	C		1	-	-	-	-	1	-	-	-	1	3	3.5%
Decrease	C		5	4	5	2	8	13	5	6	7	10	65	76.5%
2) b.Major species														
Fishing place		Catla Flood Plain	Catla Flood Plain	Catla River	Chingree Haor	Catla Flood Plain, Pond	Mrigal Beel, Khal, Beel	Rui Pond, Flood Plain	Catla Flood Plain	Catla River, Beel	Catla Flood Plain			
Total Catch/year (kg)	Kg	T	2,000	-	300	169,575	2,700	5,735	23,200	17,000	16,300	2,050	238,860	30.6%
Sold fish /production (%)	%	A	80.00		60.00		92.50	15.00	90.00	81.67	55.00	80.00	73.70	27.1%
Selling price (Tk/kg)	Tk/Kg	A	72.00	94.29	80.00	153.00	88.13	90.08	91.25	90.00	97.50	86.67	93.30	87.1%
Change (%)														
Increase	C				v						v		-	0.0%
Constant	C												-	0.0%
Decrease	C												-	0.0%
3) c.Major species														
Fishing place		Mrigal Khal	Mrigal Khal	Pangas Khal	Boal Beel, Haor, Rive	Mrigal Flood Plain, Pond	Carpio Beel, Khal, Beel	Mrigal Pond	Tania Khal	Mrigal River, Beel	Mrigal Khal			
Total Catch/year (kg)	Kg	T	2,000	-	400	-	4,000	10,250	12,500	25,000	30,950	5,000	90,100	25.9%
Sold fish /production (%)	%	A	65.00		80.00		92.50	25.00	90.00	80.83	47.00	70.00	70.00	27.1%
Selling price (Tk/kg)	Tk/Kg	A	72.00	97.14	70.00	62.00	79.38	88.85	80.71	90.00	93.75	85.56	83.96	85.9%
Change (%)														
Increase	C		1	2	-	3	-	1	2	4	3	1	17	20.0%
Constant	C		1	-	-	2	-	1	-	-	-	1	5	5.9%
Decrease	C		5	4	4	-	8	13	5	2	7	10	58	68.2%
4) d.Major species														
Fishing place		Grass Carp Khal	Punti Khal	Silver carp Khal	Bayem Beel, Haor, Rive	Carpio Haor	Punti Beel, Khal, Beel	Tengra Khal	Boal Khal	Sarpunti River, Beel	Sarpunti Khal			
Total Catch/year (kg)	Kg	T	1,000	-	200	-	3,000	3,000	24,000	54,000	10,280	9,000	104,480	22.4%
Sold fish /production (%)	%	A	52.50		90.00		95.00	65.00	90.00	65.83	56.00	90.00	69.50	23.5%
Selling price (Tk/kg)	Tk/Kg	A	65.00	72.86	60.00	69.00	75.00	73.85	82.86	45.00	73.33	71.11	70.14	85.9%
Change (%)														
Increase	C		-	2	-	-	-	1	2	-	3	1	9	10.6%
Constant	C		-	-	-	3	-	1	-	4	-	-	8	9.4%
Decrease	C		6	4	3	2	7	13	4	2	7	9	57	67.1%
5) e.Major species														
Fishing place		Sarpunti Khal	Tengra Khal	Sarpunti Khal	Punti Beel, Haor, Rive	Punti, Tengra Haor	Tengra Beel, Khal, Beel	Mola/Dhala Khal	Batai Khal	Grass carp River, Beel	Tengra Khal			
Total Catch/year (kg)	Kg	T	500	-	250	-	2,000	15,000	12,500	45,000	14,480	5,000	94,730	22.4%
Sold fish /production (%)	%	A	60.00		80.00		95.00	45.00	85.00	68.00	54.00	75.00	67.40	23.5%
Selling price (Tk/kg)	Tk/Kg	A	54.00	68.57	60.00	62.00	67.14	69.62	65.00	61.67	73.89	72.22	66.88	84.7%
Change (%)														
Increase	C		-	2	-	1	-	1	2	4	3	1	14	16.5%
Constant	C		-	-	-	1	-	1	-	2	-	1	5	5.9%
Decrease	C		5	4	3	3	7	13	5	1	7	10	58	68.2%
6 e.Major species														
Fishing place			Mola Khal			Koi, Singi, Magu River, Beel, Khal, Beel	Mola Khal	Sarpunti Khal			Mola Khal			

Table : Summary of Upazila wise Data for Netrokona District

GeoCode No	Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union	
Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala			
Total Catch/year (kg)	Kg	T	-	-	-	-	-	-	-	-	-	-	0.0%	
Sold fish /production (%)	%	A	-	-	-	-	-	-	-	-	-	-	0.0%	
Selling price (Tk/kg)	Tk/Kg	A	80.00	100.00	25.00	122.50	68.00	76.67		120.00	86.67	83.15	31.8%	
Change	%													
Increase		C	-	-	-	-	-	-	-	-	-	-	0.0%	
Constant		C	-	-	-	-	1	-	-	-	-	1	1.2%	
Decrease		C	-	1	1	1	3	9	2	-	1	6	28.2%	
(3) Aquaculture														
(3.1) 1 Name of major fish species			Rui	Rui	Rui	Rui	Rui	Rui	Rui	Rui	Rui			
Culturing year period			Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Apr-Jan	Jun-Jul	Jun-Jul			
Source of finhgerling			Own hatchery	Own hatchery	Government hatchchery and Open Water	Own hatchery	Own hatchery	Own hatchery	Pond	Own hatchery	Own hatchery			
Type of water body			Pond	Pond	Pond	Pond	Pond	Pond	Pond	Pond	Pond			
Sold fish production(%)		A	79.00	86.00	82.50	95.00	88.57	87.31	88.13	87.50	69.67	88.18	84.41	87.1%
Selling price (Tk/kg)		A	60.00	76.00	70.00	94.00	71.43	67.69	88.75	55.00	91.67	71.00	76.25	87.1%
Change of fish production in last few years	in Kg													
2) Name of major fish species			Catla	Catla	Catla	Catla	Catla	Catla	Catla	Catla	Catla			
Culturing year period			Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Apr-Jan	Apr-Jul	Jun-Jul			
Source of finhgerling			Own hatchery	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Own hatchery	Own hatchery			
Type of water body				Pond	Haor					Pond				
Sold fish production(%)		A	60.00	90.00	95.00	77.50	87.50	90.00		46.25	85.00	75.00	18.8%	
Selling price (Tk/kg)		A	50.00	76.00	70.00	71.00	71.43	67.69	84.29	55.00	76.67	73.00	71.81	82.4%
Change of fish production in last few years	in Kg													
3) Name of major fish species			Mrigal	Mrigal	Carp	Boar	Mrigal	Mrigal	Mrigal	Mrigal	Pangas			
Culturing Year/ period			Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Apr-Jan	Apr-Jul	Jun-Jul			
Source of finhgerling			Own hatchery	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Own hatchery	Own hatchery			
Type of water body				Pond	Beel					Pond				
Sold fish production(%)		A	70.00	85.00	77.50	85.00	90.00			38.75	80.00	71.33	17.6%	
Selling price (Tk/kg)		A	48.33	68.00	70.00	75.00	60.00	57.92	76.43	45.00	70.67	68.50	65.26	82.4%
Change of fish production in last few years	in Kg													
4) Name of major fish species			Carp	Boal	Chital	Carp	Silver carp	Silver carp	Silver carp	Carp	Mrigal			
Culturing Year/ period			Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Jun-Jul	Apr-Jan	Apr-Jan	Apr-Jul	Jun-Jul			
Source of finhgerling			Own hatchery	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water	Own hatchery	Own hatchery			
Type of water body				Pond	River					Pond				
Sold fish production(%)		A	80.00	90.00	95.00	95.00	75.00	90.00		47.50	80.00	75.00	16.5%	
Selling price (Tk/kg)		A	33.33	54.00	60.00	92.00	105.00	49.17	58.80	38.33	66.00	69.00	63.08	74.1%
Change of fish production in last few years	in Kg													
5) Name of major fish species				Aire	Singh, Magur, Kc	Sarpunti		Gonia			Carpio			
Culturing year period				Jun-Jul	Jun-Jul	Jun-Jul		Apr-Jan			Jun-Jul			
Source of finhgerling				Government hatchchery and Open Water	Government hatchchery and Open Water	Government hatchchery and Open Water		Government hatchchery and Open Water			Own hatchery			
Type of water body				Pond	Khal									
Sold fish production(%)		A	80.00	90.00	95.00	95.00				30.00		70.00	7.1%	
Selling price (Tk/kg)		A	35.00	60.00	50.00	53.00	92.50	32.50		46.67	56.00	65.00	58.65	32.9%
Change of fish production in last few years	in Kg													
(3.2) How many nurseries in your Union (in Nos.)														
By government	T		1	-	-	2	-	-	-	-	-	3	2.4%	
By private	T		13	8	10	-	35	70	10	4	11	41	202	57.6%
How many Hatcheries in your Union?	T		-	-	-	-	-	-	-	-	-	-	-	0.0%
By government	T		-	-	-	-	-	-	-	-	4	-	4	1.2%
By private	T		-	4	32	-	-	28	8	-	63	41	176	35.3%
(3.3) Seriousness of damages in aquaculture														
1) Damage by Fish diseases														

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Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
Serious	C	2	1	1	-	2	-	1	-	-	-	7	8.2%
Medium	C	4	4	4	-	7	13	8	7	10	11	68	80.0%
Low	C	-	1	-	5	-	-	-	-	2	-	8	9.4%
2) Loss by flooding													
Serious	C		v	v	v	v	v	v	v		v	-	0.0%
Medium	C									v		-	0.0%
Low	C											-	0.0%
3) Shortage of water													
Serious	C	-	-	1	-	1	-	-	-	2	-	4	4.7%
Medium	C	1	3	-	-	-	1	-	-	6	3	14	16.5%
Low	C	5	2	4	5	7	12	4	7	4	8	58	68.2%
4) Shortage of fingerling supply													
Serious	C	-	2	1	-	1	-	-	-	-	-	4	4.7%
Medium	C	2	1	3	5	3	2	-	6	7	1	30	35.3%
Low	C	3	2	2	-	4	10	3	2	5	10	41	48.2%
5) Damage by Water Pollution													
Serious	C	1	-	-	-	-	-	-	-	1	-	2	2.4%
Medium	C	1	3	3	-	-	1	-	-	-	-	8	9.4%
Low	C	2	-	1	1	3	1	1	7	7	3	26	30.6%
Mitigation measure							Advise	taken				-	
6) Damages by others(Please specify)													
Serious	C	-	-	-	-	-	-	-	-	-	-	-	0.0%
Medium	C	-	-	-	-	-	-	-	-	-	-	-	0.0%
Low	C	-	-	1	-	-	-	1	-	-	-	2	2.4%
(4) Is there any facility of fish storage in your Union ?													
Yes	C	-	-	-	-	-	-	-	-	-	-	-	0.0%
No	C	-	-	-	-	-	-	-	-	-	-	-	0.0%
(4.1) How many Ice factory and storage capacity in your Union													
Number of Ice factory	in No												
Capacity	in MT												
(4.2) How many refrigerated/ Ice van and capacity													
Number of refrigerated/Ice van	in No												
Capacity	in MT												
2.2.11 Marketing													
1 How many markets in your Union ?	in No.												
Number of daily markets	T	11	29	38	6	66	37	19	17	40	36	299	91.8%
Number of 1 - 3 markets in a week	T	10	27	34	10	66	54	28	18	42	32	321	91.8%
Total	T	21	56	72	16	132	91	47	35	82	68	620	100.0%
2 Registration by: Union Parishad or other organization (Please specify)													
Upazila	C	6	7	6	5	8	13	8	7	12	11	83	97.6%
Union Parishad	C	-	-	-	-	-	-	-	-	-	-	-	0.0%
Others	C	-	-	-	-	-	-	-	-	-	-	-	0.0%
2 Management by : Union Parishad or other organization (please specify)													
Upazila	C	-	-	-	-	-	-	-	-	-	-	-	0.0%
Union Parishad	C	6	7	6	5	8	13	8	7	12	11	83	97.6%
Others	C	-	-	-	-	-	-	-	-	-	-	-	0.0%

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Upazila Name		Apara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
3 Selling methods												-	0.0%
1) Selling to	%												
Self	A	60.00	67.14	58.57	34.60	66.43	53.33	41.25	50.00	59.17	66.00	56.35	96.5%
Through middlemen	A	40.00	44.00	41.67	44.40	39.13	46.67	58.75	50.00	38.33	33.00	43.27	91.8%
Contract	A			40.00	24.50	7.25					5.00	17.20	11.8%
Through cooperatives	A					1.00						1.00	2.4%
Others	A		10.00			3.00					5.00	5.25	4.7%
2) Selling by	%											-	
Independently	A	60.00	74.29	80.00	74.00	70.00	61.25	41.25	90.00	60.83	65.00	66.31	97.6%
Jointly	A	40.00	36.00	40.00	32.50	34.29	38.75	58.75	35.00	40.00	43.75	41.00	76.5%
(4) Major transportation for marketing												-	
1) Rice,		v	v	v	v	v	v	v	v	v	v		
Walking	A	26.25	36.00	40.71	29.00	16.38	28.85	41.88	45.00	27.83	20.00	29.72	85.9%
Cart	A	-	6.25	18.33	24.00	24.17	5.83	12.83		5.00	16.25	14.64	42.4%
Richshaw	A	27.00	35.00	19.00	5.00	9.38	21.69	19.17	15.00	39.42	26.50	24.78	87.1%
Van	A	19.00	25.83	41.67	11.67	28.33	31.50	13.00	40.00	24.50	32.78	26.28	82.4%
Refrigerated/lce van	A	-	10.00				5.00			15.00	20.00	10.00	5.9%
Truck	A	-	20.00	5.00			21.11	2.33		17.50	16.67	15.85	30.6%
Boat	A	41.25	20.00	25.00	47.00	34.88	7.50	14.00		10.00	22.50	25.76	56.5%
Distance from farm to markets farmers usu Km	A	3.33	5.00				2.50		12.20	2.90	4.17	5.82	90.6%
2) Jute		v	v	v		v	v	v	v	v	v		
Walking	A	36.67	34.00	20.00	60.00	16.00	33.46	33.33	20.00	23.13	25.71	29.02	61.2%
Cart	A	-	10.00	5.00			4.00	1.00			26.00	9.50	9.4%
Richshaw	A	23.00	41.67	20.00	20.00	7.00	28.90	31.25	10.00	62.50	34.00	30.81	54.1%
Van	A	13.75	38.00	20.00	20.00	24.00	38.45	19.67	30.00	27.50	40.38	30.62	60.0%
Refrigerated/lce van	A	-									20.00	13.33	3.5%
Truck	A	-	10.00	5.00			15.00	5.00		5.20	7.00	9.17	27.1%
Boat	A	55.00	31.67	30.00		49.00	25.00	15.00	40.00	35.00	36.67	36.60	34.1%
Distance from farm to markets farmers usu Km	A	3.00					2.50		5.67	1.50	5.70	4.41	63.5%
3) Vegetables		v	v	v	v	v	v	v	v	v	v		
Walking	A	63.75	43.33	72.00	66.00	39.60	48.33	43.57	50.00	51.25	43.57	50.89	77.6%
Cart	A	-		12.50			5.00					7.50	4.7%
Richshaw	A	23.75	34.17	16.67	2.00	16.75	26.42	21.67	50.00	30.00	23.38	26.02	74.1%
Van	A	25.00	20.00	20.00	16.25	18.00	19.80	15.83		21.25	18.13	19.04	64.7%
Refrigerated/lce van	A	-	10.00								30.00	13.33	3.5%
Truck	A	-	20.00	5.00			18.00			20.00	17.50	16.07	16.5%
Boat	A	-	28.33	30.00	31.50	41.00	5.00	21.67		20.00	50.00	28.00	28.2%
Distance from farm to markets farmers usu Km	A	2.33					2.50		12.20	2.70		6.00	56.5%
4) Potato					v				v				
Walking	A	60.00			38.00							43.50	4.7%
Cart	A	-			23.33							17.50	4.7%
Richshaw	A	30.00										30.00	7.1%
Van	A	10.00										10.00	7.1%
Refrigerated/lce van	A	-										-	1.2%
Truck	A	-										-	1.2%
Boat	A	-			45.33							34.00	8.2%
Distance from farm to markets farmers usually sell proc	A	3.00							14.25			12.00	9.4%

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GeoCode No	Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union
Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
5) Wheat													17.6%
Walking	A		20.00	65.00				40.00		42.50	25.00	46.25	16.5%
Cart	A			20.00				30.00				26.67	3.5%
Richshaw	A		40.00	23.33				5.00		30.00	50.00	26.36	16.5%
Van	A		35.00					5.00		31.67	25.00	23.57	11.8%
Refrigerated/lce van	A									25.00		25.00	1.2%
Truck	A												0.0%
Boat	A		5.00					20.00				15.00	5.9%
Distance from farm to markets farmers usu Km	A	3.00							22.00	2.88		5.64	15.3%
6) Banana													0.0%
Walking	A												0.0%
Cart	A												0.0%
Richshaw	A												0.0%
Van	A												0.0%
Refrigerated/lce van	A												0.0%
Truck	A												0.0%
Boat	A												0.0%
Distance from farm to markets farmers usu Km	A												0.0%
7) Mustard													8.2%
Walking	A	50.00	20.00									35.00	3.5%
Cart	A												0.0%
Richshaw	A		50.00									50.00	7.1%
Van	A		25.00									25.00	7.1%
Refrigerated/lce van	A												0.0%
Truck	A												0.0%
Boat	A	50.00	5.00									27.50	7.1%
Distance from farm to markets farmers usu Km	A	3.00							9.75			8.40	7.1%
8) Sugarcane													0.0%
Walking	A												0.0%
Cart	A												0.0%
Richshaw	A												0.0%
Van	A												0.0%
Refrigerated/lce van	A												0.0%
Truck	A												0.0%
Boat	A												0.0%
Distance from farm to markets farmers usually sell proc	A												0.0%
9) Oilseed													0.0%
Walking	A												0.0%
Cart	A												0.0%
Richshaw	A												0.0%
Van	A												0.0%
Refrigerated/lce van	A												0.0%
Truck	A												0.0%
Boat	A												0.0%
Distance from farm to markets farmers usu Km	A												0.0%

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Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala			
10) Pulses													0.0%	
Walking	A												0.0%	
Cart	A												0.0%	
Richshaw	A												0.0%	
Van	A												0.0%	
Refrigerated/lce van	A												0.0%	
Truck	A												0.0%	
Boat	A												0.0%	
Distance from farm to markets farmers usu Km	A												0.0%	
11) Pineapple													7.1%	
Walking	A			80.00	37.00							44.17	7.1%	
Cart	A				16.67							16.67	3.5%	
Richshaw	A			20.00								20.00	1.2%	
Van	A				10.00							10.00	2.4%	
Refrigerated/lce van	A												0.0%	
Truck	A												0.0%	
Boat	A				55.00							55.00	5.9%	
Distance from farm to markets farmers usually sell products													7.1%	
12) Chilli	A												1.2%	
Walking	A			40.00								40.00	1.2%	
Cart	A												0.0%	
Richshaw	A												0.0%	
Van	A												0.0%	
Refrigerated/lce van	A												0.0%	
Truck	A												0.0%	
Boat	A												0.0%	
Distance from farm to markets farmers usually sell proc	A												1.2%	
(5) What type of complains raised by the farmers in your Union (0 yes)														
Distance of market	C	2	7	5	5	8	9	5	6	9	10	66	77.6%	
Poor condition of rural road	C	6	6	6	5	8	13	7	7	12	10	80	94.1%	
Lack of market information	C	-	2	-	-	-	3	1	4	2	3	15	17.6%	
Others			Crisis	of									-	
2.3 Collection of data on food consumption and human security in rural areas													-	
2.3.1 Food consumption and nutrition problems													-	
(1) Breakfast													-	
Not take	%	A	5.67	9.40	2.50	1.40		2.50	3.38	2.40	2.71	6.80	4.07	68.2%
Yes	%	C	4	7	5	5	8	13	8	7	12	11	80	94.1%
(2) Lunch													-	
Not take	%	A	5.00					60.00				4.00	15.40	5.9%
Yes	%	C	4	7	6	5	8	13	8	7	12	11	81	95.3%
(3) Dinner													-	
Not take	%	A										3.00	3.00	3.5%
Yes	%	C	4	7	6	5	8	13	8	7	12	11	81	95.3%
(4) Child nutrition: Number and ratio of under-nutrition by													-	
Wasting	in No.	T	2,010	4,020	4,600	3,211	5,657	22,061	10,060	5,000	10,935	16,520	84,074	51.8%
	%	A	24.00	28.00	31.29	40.00	31.88	29.82	26.43	5.00	34.25	25.70	29.14	76.5%
Stunting	in No.	T	500	1,000	1,300	2,289	2,891	5,700	2,850	2,400	1,500	5,495	25,925	49.4%
	%	A	11.00	7.00	15.00	26.67	7.75	8.88	7.14	13.33	12.58	8.10	10.81	76.5%
Underweight: Percent in person	in No.	T	4,500	9,000	10,000	4,894	17,535	46,663	18,600	5,000	17,950	33,480	167,622	49.4%
	%	A	46.50	65.00	53.83	60.33	60.38	60.73	58.29	4.67	58.00	57.40	55.78	75.3%

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2.3.2	Sufficiency of items in human security in your Union (please answer by)													
(1)	Sufficiency of drinking water													
	Sufficient	C	1	1	4	-	7	7	5	-	9	8	42	49.4%
	Insufficient	C	5	5	3	5	1	6	3	7	3	3	41	48.2%
(2)	Source of drinking water													
	Well	C	6	6	7	5	8	13	8	7	12	11	83	97.6%
	River	C	1	-	1	5	-	-	-	5	1	-	13	15.3%
	Pond	C	1	-	1	-	-	-	-	5	1	-	8	9.4%
	Others	C	-	-	-	5	-	1	-	5	-	1	12	14.1%
(3)	First Aide services													
	Yes	C	4	1	6	-	8	12	4	-	5	10	50	58.8%
	No	C	2	4	1	3	-	1	3	7	7	1	29	34.1%
	If yes, what type of organizations provides the services													
	Vaccination	C	4	2	5	-	7	11	3	-	5	6	43	50.6%
	Weight	C	3	2	2	-	5	12	3	-	2	5	34	40.0%
	Family planning	C	3	2	5	-	7	11	3	-	5	6	42	49.4%
	Healthcare to mother and child	C	-	-	-	-	-	1	-	-	-	-	1	1.2%
	Others	C	-	-	1	-	-	-	-	-	-	1	2	2.4%
(4)	Access to electricity in household %													
	Government	A	5.00	25.00	3.67	67.50	5.50	20.00	21.00	75.71	5.75	7.50	35.26	32.9%
	Other sources (please specify)	A	6.67	25.00	12.50	-	20.50	31.31	71.67	-	25.38	45.11	31.23	56.5%
	No electricity	A	74.00	75.00	93.17	32.50	82.00	67.15	48.60	85.00	68.50	57.90	68.24	84.7%
(5)	Housing 0													
	Sufficient	C	3	1	2	-	-	-	-	-	1	-	7	8.2%
	Insufficient	C	3	4	5	5	8	12	8	7	11	11	74	87.1%
(6)	Percentage of Primary School/Madrash %													
a.	Primary School													
	Boys	A	53.60	49.17	40.71	48.00	40.38	45.92	51.88	44.00	40.33	47.00	45.51	96.5%
	Girls	A	49.40	44.17	50.71	52.00	44.50	43.15	40.63	43.86	33.33	44.82	43.52	96.5%
b.	Madrassa													
	Boys	A	27.00	37.50	25.43	43.33	19.13	17.69	40.63	9.00	20.00	27.09	24.71	94.1%
	Girls	A	19.00	15.83	11.71	4.00	12.50	9.23	18.75	4.43	13.42	12.64	12.31	94.1%
2.3.3	Household economy in rural area. Please put the estimated information on income based on source of income													
(1)	Major sources of cash income Tk/family/year													
1)	Aus	A	8,500.00	2,666.67	2,500.00	1,000.00	8,500.00	2,520.00	5,214.29	2,500.00	493.33	-	3,436.00	35.3%
2)	Aman	A	11,950.00	10,314.29	8,833.33	7,000.00	8,750.00	7,783.33	8,012.50	4,166.67	6,063.64	6,709.09	7,743.24	87.1%
3)	Boro	A	21,750.00	8,557.14	9,750.00	14,000.00	11,000.00	7,583.33	7,885.71	9,428.57	5,922.50	8,663.64	9,382.73	90.6%
4)	Jute	A	1,000.00	1,800.00	10,000.00	1,000.00	2,000.00	820.00	3,833.33	2,583.33	995.00	666.67	2,150.81	43.5%
5)	Vegetables	A	2,166.67	2,642.86	3,083.33	6,200.00	4,062.50	4,750.00	5,285.71	2,500.00	5,072.73	4,700.00	4,233.77	90.6%
6)	Livestock	A	4,750.00	2,428.57	2,200.00	4,300.00	2,500.00	2,166.67	3,875.00	4,285.71	2,125.83	2,572.73	2,893.88	94.1%
7)	Non agricultural work and others	A	1,000.00	3,083.33	3,400.00	4,600.00	4,187.50	4,454.55	4,625.00	9,750.00	2,571.43	4,222.22	4,230.77	76.5%
8)	Fish	A	2,000.00	1,000.00	1,000.00	5,000.00	7,000.00	1,000.00	4,571.43	14,166.67	1,507.14	2,071.43	4,513.41	48.2%
9)	Pulses	A	500.00	233.33	800.00	300.00	300.00	2,000.00	1,000.00	875.00	875.00	450.00	741.18	20.0%
10)	Oil seeds	A	2,650.00	100.00	100.00	100.00	100.00	1,750.00	3,000.00	675.00	200.00	200.00	1,111.76	20.0%
11)	Poultry	A	1,500.00	1,214.29	1,000.00	4,500.00	1,062.50	1,125.00	3,250.00	2,785.71	714.00	1,690.91	1,746.67	91.8%
12)	Sale of self labour	A	1,333.33	2,000.00	1,460.00	2,500.00	1,812.50	3,083.33	11,228.57	2,500.00	1,928.57	2,010.00	3,125.00	80.0%
13)	Total	A	28,300.00	33,357.14	24,685.71	41,980.00	37,437.50	29,584.62	53,925.00	45,928.57	23,327.50	31,336.36	33,834.47	100.0%

Table : Summary of Upazila wise Data for Netrokona District

GeoCode No		Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union
Upazila Name			Atpara	Barhata	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
(2)	Major expenditure	Tk/family/year												
1)	Food	A	30,400.00	21,000.00	19,660.00	19,400.00	18,250.00	18,583.33	16,125.00	20,714.29	19,875.00	21,500.00	20,137.00	94.1%
2)	Housing	A	-	3,000.00	2,666.67	7,000.00		2,833.33	4,200.00	3,400.00	5,000.00	3,200.00	3,955.88	40.0%
3)	Clothes	A	5,000.00	4,166.67	3,833.33	6,200.00	4,500.00	4,333.33	4,687.50	5,285.71	4,975.00	4,881.82	4,748.75	94.1%
4)	Health	A	2,600.00	1,500.00	1,750.00	2,600.00	1,875.00	2,166.67	4,000.00	2,500.00	2,916.67	2,309.09	2,455.00	94.1%
5)	Child education	A	3,700.00	1,916.67	1,900.00	1,900.00	2,650.00	2,708.33	3,187.50	2,285.71	2,644.44	2,954.55	2,628.57	90.6%
6)	Entertainment	A	1,100.00	1,166.67	1,250.00	1,200.00	925.00	1,227.27	2,125.00	1,857.14	1,155.00	1,177.27	1,316.88	90.6%
7)	Credit Refund	A	3,000.00	3,666.67	2,633.33	4,500.00		3,000.00	12,500.00	1,000.00	2,833.33	600.00	3,908.00	29.4%
8)	Agriculture	A	8,400.00	11,200.00	1,940.00	4,000.00	1,500.00	5,500.00	9,260.00	10,800.00	4,142.86	1,333.33	6,019.05	49.4%
9)	Total	A	33,400.00	36,357.14	27,994.29	42,400.00	28,762.50	29,076.92	44,787.50	43,500.00	35,504.17	34,804.55	35,012.47	100.0%
3.2	Problem Occurrences													
3.2.1	Describe the water related problems													
(1)	Flood													
	Area	Acre	10,500	11,500	200	8,100	7,917	11,795	16,017	11,000	5,003	6,215	88,247	58.8%
	Depth	Feet	5.50	2.15		6.90	2.68	1.49	4.50	10.00	3.28	3.80	4.01	54.1%
	Length	Km								5.00			5.00	1.2%
	Duration	Months	1.50	2.80	1.67	3.00	4.75	3.00	4.00	6.00	3.20	2.70	3.45	70.6%
(2)	Drought													
	Area	Acre	-	9,000	-	2,600	2,755	7,950	4,100	-	1,212	3,915	31,532	47.1%
	Depth	Feet												0.0%
	Length	Km												0.0%
	Duration	Months		3.33	1.00	3.00	3.75	4.50	3.14	3.00	3.29	3.75	3.52	54.1%
(3)	Shortage of irrigation water in agriculture													
	Area	Acre	-	9,000	50	4,100	2,100	6,750	6,600	2,000	1,254	5,364	37,218	45.9%
	Depth	Feet												0.0%
	Length	Km												0.0%
	Duration	Months		2.67	2.00	3.60	3.38	4.00	3.80	3.00	3.50	3.67	3.47	45.9%
(4)	Soil Erosion													
	Area	Acre	-	-	-	-	-	-	-	-	70	-	70	2.4%
	Depth	Feet												0.0%
	Length	Km												0.0%
	Duration	Months		4.00	12.00						3.50		5.75	4.7%
(5)	Water Logging													
	Area	Acre	150	4,040	-	400	1,500	4,475	4,600	-	1,200	1,558	17,923	35.3%
	Depth	Feet						2.63	10.00			2.00	4.31	7.1%
	Length	Km										9.00	9.00	1.2%
	Duration	Months		3.50	12.00	2.00	4.50	4.78	3.17		3.67	4.00	4.20	37.6%
(6)	Domestic water supply													
	Area	Acre	-	-	-	-	-	-	1,500	-	-	-	1,500	1.2%
	Depth	Feet												0.0%
	Length	Km												0.0%
	Duration	Months												0.0%
(7)	Water quality (Arsenic related problem)													
	Area	Acre	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Depth	Feet												0.0%
	Length	Km												0.0%
	Duration	Months		12.00	12.00		12.00	12.00	9.40		12.00	12.00	11.55	34.1%

Table : Summary of Upazila wise Data for Netrokona District

GeoCode No		Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union	
Upazila Name			Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala			
(8)	Other problems (please specify)														
	Area	Acre	T	-	-	-	-	-	-	-	-	-	-	0.0%	
	Depth	Feet	A											0.0%	
	Length	Km	A											0.0%	
	Duration	Months	A			12.00							12.00	1.2%	
3.2.2	Describe the water related problems that occurred in your union in extreme year.(Please identify the problematic areas on as many maps as needed)														
(1)	Flood														
	Area	Acre	T	10,000	8,802	15,048	6,650	5,967	11,695	11,318	23,810	4,000	11,620	108,911	62.4%
	Depth	Feet	A	6.00	3.00		7.50	1.60	643.66	8.80	10.40	2.50		172.41	37.6%
	Length	Km	A								5.00			5.00	1.2%
	Duration	Months	A	1.00	3.20		3.00	4.43	3.33	3.14	6.00	3.25	2.81	3.54	62.4%
(2)	Drought														
	Area	Acre	T	-	8,700	2,530	3,400	2,300	8,100	2,500	3,000	200	4,516	35,246	45.9%
	Depth	Feet	A												0.0%
	Length	Km	A												0.0%
	Duration	Months	A		3.60	3.00	2.60	3.86	4.63	3.29	3.00	4.00	3.86	3.69	54.1%
(3)	Shortage of irrigation water in agriculture														
	Area	Acre	T	-	2,600	2,530	4,000	1,850	5,800	4,200	2,500	1,100	4,266	28,846	44.7%
	Depth	Feet	A												0.0%
	Length	Km	A												0.0%
	Duration	Months	A		3.25		3.00	3.43	3.75	3.00	3.00	3.67	3.20	3.33	47.1%
(4)	Soil Erosion														
	Area	Acre	T	-	-	-	-	-	250	800	-	520	500	2,070	5.9%
	Depth	Feet	A												0.0%
	Length	Km	A												0.0%
	Duration	Months	A		4.00				2.00	2.00		4.00		3.00	4.7%
(5)	Water logging														
	Area	Acre	T	-	3,590	-	400	900	3,225	1,600	-	150	2,570	12,435	27.1%
	Depth	Feet	A						1.75	18.00			19.00	12.92	3.5%
	Length	Km	A												0.0%
	Duration	Months	A		4.00		2.00	4.00	4.88	3.00		4.00	5.43	4.38	31.8%
(6)	Domestic water supply														
	Area	Acre	T	-	-	-	-	-	2,500	-	-	1,000		3,500	2.4%
	Depth	Feet	A												0.0%
	Length	Km	A												0.0%
	Duration	Months	A						12.00	10.00				11.00	2.4%
(7)	Water quality (Arsenic related problems)														
	Area	Acre	T	-	-	-	-	-	1,500	-	-	-		1,500	1.2%
	Depth	Feet	A												0.0%
	Length	Km	A												0.0%
	Duration	Months	A		12.00			12.00	12.00	8.00		12.00	11.14	11.42	36.5%
(8)	Other problems (please specify)														
	Area	Acre	T	-	-	-	-	-	-	-	-	-		-	0.0%
	Depth	Feet	A												0.0%
	Length	Km	A												0.0%
	Duration	Months	A												0.0%

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GeoCode No		Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union
Upazila Name			Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
3.3	Water Related Problems													
3.3.1	How does the water related problems affect your Union in a normal year?													
(1)	Human													
	Number affected	T	-	25,200	13,000	16,000	33,800	47,000	40,100	28,900	67,700	39,503	311,203	81.2%
	Total area	Acre	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Length	Km	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Estimated Quantity affected	in Tk.	-	-	-	-	-	-	-	30,000,000	350,000	-	30,350,000	2.4%
(2)	Houses													
	Number affected	T	-	7,050	3,730	7,050	4,250	5,310	3,100	12,450	8,325	6,890	58,155	84.7%
	Total area	Acre	-	-	-	-	-	250	-	3,000	1,000	-	4,250	5.9%
	Length	Km	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Estimated Quantity affected	in Tk.	-	1,425,000	1,700,000	2,410,000	3,125,000	5,305,000	6,690,000	5,150,000	14,025,000	3,460,050	43,290,050	69.4%
(3)	Crops													
	Number affected	T	-	95	90	-	445	-	5,000	7,000	20,700	500	33,830	17.6%
	Total area	Acre	-	4,450	6,560	5,415	2,100	6,530	10,860	7,000	5,565	7,560	56,040	75.3%
	Length	Km	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Estimated Quantity affected	in Tk.	-	15,280,000	135,000,000	39,900,000	4,300,000	32,760,000	4,730,000	26,175,000	9,080,000	22,485,200	289,710,200	70.6%
(4)	Livestock													
	Number affected	T	-	1,720	3,060	2,730	1,800	5,130	2,550	700	8,900	2,700	29,290	74.1%
	Total area	Acre	-	-	-	-	-	-	-	-	290	-	290	1.2%
	Length	Km	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Estimated Quantity affected	in Tk.	-	60,000	625,000	195,000	4,220,000	8,193,000	3,920,000	2,120,000	555,000	3,415,000	23,303,000	58.8%
(5)	Road													
	Number affected	T	-	110	100	17	86	61	56	38	56	65	589	74.1%
	Total area	Acre	-	-	-	-	15	-	-	-	-	5	20	2.4%
	Length	Km	-	46	90	31	106	53	61	28,091	73	103	28,654	69.4%
	Estimated Quantity affected	in Tk.	-	2,000,000	10,100,030	4,060,000	11,900,000	6,180,000	9,210,000	32,102,000	9,760,000	16,105,000	101,417,030	71.8%
(6)	Embankment													
	Number affected	T	-	95	43	6	19	5	1	46	3	2	220	28.2%
	Total area	Acre	-	-	-	-	-	-	-	4,000	-	1	4,001	3.5%
	Length	Km	-	15	48	21	81	10	-	2,019	1	1	2,196	22.4%
	Estimated Quantity affected	in Tk.	-	1,000,000	1,020,000	2,050,000	8,550,000	3,040,000	-	25,200,000	600,000	1,400,000	42,860,000	25.9%
(7)	Bridge													
	Number affected	T	-	4	12	-	19	3	-	19	4	8	69	22.4%
	Total area	Acre	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Length	Km	-	-	0	-	184	-	-	-	-	15	199	8.2%
	Estimated Quantity affected	in Tk.	-	-	3,050,000	-	19,000,000	250,000	-	5,000,000	750,000	1,600,000	29,650,000	16.5%
(8)	Culvert													
	Number affected	T	-	84	17	1	35	20	-	30	63	55	305	29.4%
	Total area	Acre	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Length	Km	-	-	-	12	107	-	-	-	50	27	196	8.2%
	Estimated Quantity affected	in Tk.	-	-	350,000	800,000	11,700,000	375,000	-	15,000,000	990,000	200,000	29,415,000	21.2%
(9)	Regulator													
	Number affected	T	-	-	-	-	-	-	-	11	-	-	11	2.4%
	Total area	Acre	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Length	Km	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Estimated Quantity affected	in Tk.	-	-	-	-	-	-	-	-	-	-	-	0.0%

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Upazila Name			Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
(10)	Others													
	Number affected	T	-	-	-	-	-	-	-	-	-	19	19	2.4%
	Total area	Acre T	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Length	Km T	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Estimated Quantity affected	in Tk. T	-	-	300,000	-	-	-	-	-	-	500,000	800,000	2.4%
3.3.2	Describe the water related problems that occur in your Union in extreme year.(Please identify the problematic areas on as many maps as needed)													
(1)	Human													
	Number affected	T	4,000	52,000	20,580	54,000	111,000	98,700	63,500	78,500	129,500	80,503	692,283	83.5%
	Total area	Acre T	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Length	Km T	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Affected Year	Year		2004	2004	2004	2004	2004	2004	2004	2004	2004	2,004	
(2)	Houses													
	Number affected	T	1,000	6,900	4,140	9,000	13,200	18,550	9,200	25,200	24,930	15,400	127,520	85.9%
	Total area	Acre T	-	-	-	-	-	2,400	-	-	-	-	2,400	1.2%
	Length	Km T	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Affected Year	Year		2004	2004	2004	2004	2004	2004	2004	2004	2004	2,004	
(3)	Crops													
	Number affected	T	90	12,395	3,100	-	-	-	-	19,000	20,700	-	55,285	15.3%
	Name													10.9%
	Type						T. Aman							3.6%
	Total area	Acre T	-	200,005,050	825	17,800	6,350	30,325	18,800	23,050	14,240	15,878	200,132,318	71.8%
	Length	Km T	-	-	-	-	-	-	-	-	-	2,004	2,004	1.2%
	Affected Year	Year		2004	2004	2004	2004	2004	2004	2004	2004	2004	2,004	
(4)	Livestock													
	Number affected	T	10	15,990	5,180	10,150	2,900	48,100	18,890	3,650	18,400	32,750	156,020	69.4%
	Total area	Acre T	-	5,000,000	-	-	-	-	-	-	-	-	5,000,000	1.2%
	Length	Km T	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Affected Year	Year		2004		2004	2004	2004	2004	2004	2004	2004	2,004	
(5)	Road													
	Number affected	T	-	144	100	85	167	160	112	87	123	127	1,105	77.6%
	Total area	Acre T	-	25	-	-	-	-	-	-	-	-	25	1.2%
	Length	Km T	-	8,000,057	530	94	272	349	179	185	230	297	8,002,193	72.9%
	Affected Year	Year		2004	2004	2004	2004	2004	2004	2004	2004	2004	2,004	
(6)	Embankment													
	Number affected	T	-	107	72	23	47	-	2	42	4	3	300	38.8%
	Total area	Acre T	-	-	-	-	-	-	-	30	-	1	31	2.4%
	Length	Km T	-	6,000,000	-	62	46	-	2	22	89	16	6,000,237	22.4%
	Affected Year	Year				2004	2004			2004	2004	2004	2,004	
(7)	Bridge													
	Number affected	T	-	11	49	2	23	25	19	20	5	24	178	54.1%
	Total area	Acre T	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Length	Km T	-	70	-	80	197	477	190	-	30	22	1,066	36.5%
	Affected Year	Year		2004	2004	2004	2004		2004			2004	2,004	
(8)	Culvert													
	Number affected	T	-	23	19	6	55	99	7	53	101	61	424	62.4%
	Total area	Acre T	-	-	-	-	-	-	-	-	-	-	-	0.0%
	Length	Km T	-	35	-	47	166	388	60	-	85	185	966	36.5%
	Affected Year	Year		2004	2004		2004	2004	2004	2004		2004	2,004	

Table : Summary of Upazila wise Data for Netrokona District

GeoCode No	Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union
Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
(9) Regulator													
Number affected	T	-	-	-	-	3	12	-	-	-	-	15	4.7%
Total area	Acre T	-	-	-	-	-	-	-	-	-	-	-	0.0%
Length	Km T	-	-	-	-	-	-	-	-	-	-	-	0.0%
Affected Year	Year					2004							
(10) Others													
Number affected	T	-	35	5,000	58	132	102	106	26	55	76	5,590	52.9%
Total area	Acre T	-	-	-	-	-	-	-	-	-	-	-	0.0%
Length	Km T	-	-	-	-	-	-	-	-	-	-	-	0.0%
Affected Year	Year		2004		2004	2004		2004		2004	2004	2,004	
3.4 Describe the water bodies lying inside or flowing through your union.(Please identify the water bodies on as many maps as needed)													
3.4.1 River													
Name			Kangsha, Cowna	Boalchandi	Dhunu River	Updakhali	saidubi, Patusha	Dhali River	horautra, Kangsl	Mogra River	Dolai River		
Area	Acre T	103	1,120	1,001,912	605	2,913	4,235	2,340	1,100	3,996	12,250	1,030,574	77.6%
Width	Feet A	1,600.00	1,902.50	1,016.67	460.00	274.88	317.69	1,067.14	512.50	384.55	433.00	605.51	78.8%
Depth	Feet A	18.00	17.00	7.00	22.00	15.60	15.54	34.57	12.00	21.67	19.00	19.98	80.0%
Perennial	0 C	2	2	-	5	-	-	-	-	1	2	12	14.1%
Seasonal	0 C	2	3	3	-	8	12	7	5	11	8	59	69.4%
Length of water stay	Months A		7		12	8	9	7	10, 10	10	8	8.00	34.5%
Month of the Year	Months		Jun-Dec	Jul-Aug	Jan-Dec	Jun-Jan	May-Jan	Jul-Jun	Apr-Jan	Apr-May	Jun-Jan		
3.4.2 Khal													
Name			Asma,	urjuli Khal, Nori	Nairi Khal	Joynagar Khal	Vugia, Bogdi,	Jatra Khal	Tarial Khali,	Katakhali Khal,	Jumar Khali Kha		
Area	Acre T	-	125	1,700	60	305	2,400	1,280	700	151,490	1,570	159,630	65.9%
Width	Feet A	175.00	4,525.00	500.00	150.00	166.67	119.17	82.86	105.00	239.38	137.50	318.65	65.9%
Depth	Feet A	15.00	9.00		11.67	8.00	10.08	9.86	9.75	8.50	8.80	9.65	65.9%
Perennial	0 C	1	-	-	2	-	-	-	-	-	1	4	4.7%
Seasonal	0 C	2	4	2	1	4	11	7	4	10	8	53	62.4%
Length of water stay	Months A		5		10	4	5	6	5	8	4	4.00	28.2%
Month of the Year	Months		Jun-Oct	Jul-Aug		Jun-Sep	Jun-Oct	Jul-Nov	Mar-Nov		Jun-Sep		
3.4.3 Large water body (Haor, Baor, Beel)													
Name			Kala Baduar Bee	Kabar Beel	idpur Pataishar	Mohima Sura hac	Vugia, Bogdi,	Hati Beel	a Beel, Nagchor:	Ainchia	Beel,hola Beel, Sonn		
Area	Acre T	2,000	1,240	1,750	500	5,117	10,314	3,700	12,355	2,765	3,435	43,176	70.6%
Width	Feet A	500.00	1,500.00	1,500.00		1,800.00	175.00		13,250.00	500.00	600.00	4,176.67	18.8%
Depth	Feet A	4.00	4.00	10.00		8.50	6.50	6.00	275.67	8.50	15.00	53.33	22.4%
Perennial	0 C	-	3	-	4	6	12	4	-	5	10	44	51.8%
Seasonal	0 C	3	2	1	1	1	1	3	4	6	-	22	25.9%
Length of water stay	Months A	8.33	10.80		10.80	11.00	11.54	10.86	8.33	9.55	12.00	10.72	75.3%
Month of the Year	Months		Jan-Dec	Jul-Aug	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Mar-Dec		Jun-Dec		
3.4.4 Pond/Dighi													
Name						Birgonj,	Kumar Kata	Gogar,	Mohal,	ntala,	Korachi Pond		
Area	Acre T	1	200	-	285	440	9,857	620	201	508	543	12,655	37.6%
Width	Feet A						30.00		406.00	125.00		218.40	7.1%
Depth	Feet A						4.00	7.00	12.00	5.33		6.50	7.1%
Perennial	0 C	1	-	-	-	-	1	-	2	2	1	7	8.2%
Seasonal	0 C	-	2	-	3	3	4	4	-	4	5	25	29.4%
Length of water stay	Months A	12.00	6.00		4.67	8.00	7.60	7.20	12.00	8.67	7.83	7.91	37.6%
Month of the Year	Months						Jan-Dec	Jan-Jun	Jan-Dec				

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GeoCode No	Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union		
Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala				
3.5	Describe the water supply sources and associated problems in your Union(Please identify the water supply sources on as many maps as needed)														
3.5.2	Ground Water														
	Type and number of water supply sources in No.														
	Number of wells by type														
	Hand TW	T	518	15,356	11,320	-	12,420	15,808	16,300	1,314	22,225	27,964	123,225	76.5%	
	Shallow TW	T	329	785	1,461	635	1,580	4,894	955	1,205	1,771	4,407	18,022	87.1%	
	Deep TW	T	25	67	9	36	28	84	37	126	95	138	645	77.6%	
	Is there groundwater table lowering?	in feet													
	Yes	C	2	6	-	-	7	10	8	6	9	9	57	67.1%	
	No	C	-	-	-	-	-	-	-	-	-	-	-	0.0%	
	Constant	C	-	-	-	-	-	-	-	2	1	3	3.5%		
4	Statistics on Yearwise Area, Yield, and Production of Agricultural Crops														
4.1	HYV Aus														
4.1.1	Year 2001														
	Area	000 Acre	T	2,850	1,895	1,376	-	1,275	1,768	4,600	-	-	75	13,839	32.9%
	Yield	MT/Acre	A	1.50	1.17	1.25	-	0.95	1.75	0.07	-	-	1.00	0.88	32.9%
	Production	MT	T	4,290	2,218	2,576	-	781	3,251	306	-	-	75	13,497	100.0%
4.1.2	Year 2002														
	Area	000 Acre	T	1,605	1,877	1,035	-	1,102	1,200	4,700	-	-	60	11,579	31.8%
	Yield	MT/Acre	A	1.35	1.26	1.26	-	1.19	2.50	0.06	-	-	0.90	0.93	31.8%
	Production	MT	T	2,310	2,365	1,936	-	1,348	3,000	335	-	-	54	11,348	100.0%
4.1.3	Year 2003														
	Area	000 Acre	T	1,495	1,852	1,161	-	1,662	1,100	4,900	-	-	25	12,195	31.8%
	Yield	MT/Acre	A	1.17	1.32	8.13	-	1.22	2.00	0.06	-	-	0.95	1.94	31.8%
	Production	MT	T	1,706	2,450	2,287	-	2,106	2,200	323	-	-	24	11,095	100.0%
4.1.4	Average of three Years														
	Area	000 Acre	T	1,983	1,874	3,276	-	1,658	1,167	12,535	-	-	53	22,546	31.8%
	Yield	MT/Acre	A	1.34	1.29	15.44	-	1.19	2.16	0.08	-	-	0.95	3.03	31.8%
	Production	MT	T	2,683	2,424	6,532	-	2,021	2,520	1,086	-	-	51	17,316	100.0%
4.2	HYV Aman														
4.2.1	Year 2001														
	Area	000 Acre	T	3,820	7,050	9,585	-	11,086	400	5,250	-	-	2,000	39,191	31.8%
	Yield	MT/Acre	A	1.80	1.68	1.81	-	1.53	2.00	0.03	-	-	1.40	1.20	31.8%
	Production	MT	T	6,873	11,960	16,502	-	16,890	800	181	-	-	2,800	56,006	100.0%
4.2.2	Year 2002														
	Area	000 Acre	T	3,625	7,040	12,960	-	11,999	425	4,850	-	-	2,050	42,949	31.8%
	Yield	MT/Acre	A	1.61	1.73	1.88	-	1.66	2.50	0.10	-	-	1.44	1.26	31.8%
	Production	MT	T	5,860	12,140	24,411	-	20,014	1,063	542	-	-	2,952	66,981	100.0%
4.2.3	Year 2003														
	Area	000 Acre	T	3,980	10,620	13,370	-	12,764	1,000	4,550	-	-	2,200	48,484	31.8%
	Yield	MT/Acre	A	1.79	1.69	1.94	-	1.67	2.00	0.09	-	-	1.30	1.26	31.8%
	Production	MT	T	7,101	18,961	26,204	-	21,474	2,000	437	-	-	2,860	79,036	100.0%
4.2.4	Average of three Years														
	Area	000 Acre	T	3,808	10,403	15,162	-	14,874	608	14,750	-	-	2,083	61,688	31.8%
	Yield	MT/Acre	A	19.43	2.17	1.88	-	1.64	2.16	0.03	-	-	1.38	2.65	31.8%
	Production	MT	T	74,417	22,680	28,790	-	25,312	1,314	465	-	-	2,875	155,852	100.0%
4.3	HYV Boro														
4.3.1	Year 2001														
	Area	000 Acre	T	6,300	23,250	9,454	11,600	13,779	1,750	5,350	-	-	2,750	74,233	34.1%
	Yield	MT/Acre	A	2.00	1.94	2.34	1.78	1.93	3.00	0.10	-	-	1.60	1.50	34.1%
	Production	MT	T	12,160	42,685	21,906	20,438	26,642	5,250	453	-	-	4,400	133,935	100.0%
4.3.2	Year 2002														
	Area	000 Acre	T	6,175	20,480	10,115	12,150	13,857	1,800	5,050	-	-	2,760	72,387	34.1%

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Upazila Name			Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala			
4.3.3	Yield	MT/Acre	A	1.48	2.02	2.49	1.86	1.92	3.00	0.09	-	-	1.65	1.51	34.1%
	Production	MT	T	9,069	41,151	24,976	22,611	26,517	5,400	436	-	-	4,554	134,713	100.0%
	Year 2003														
4.3.4	Area	000 Acre	T	6,235	19,110	9,870	12,228	14,182	1,850	5,150	-	-	2,900	71,525	34.1%
	Yield	MT/Acre	A	2.09	2.07	2.51	1.88	1.91	3.00	0.04	-	-	1.70	1.55	34.1%
	Production	MT	T	12,638	39,179	24,411	22,922	27,109	5,550	207	-	-	4,930	136,947	100.0%
4.4	Average of three Years														
	Area	000 Acre	T	6,237	27,495	14,610	11,992	19,168	1,800	15,560	-	-	2,803	99,665	34.1%
	Yield	MT/Acre	A	1.65	1.90	2.44	1.84	1.79	3.00	0.11	-	-	1.65	1.47	34.1%
4.4.1	Production	MT	T	10,125	48,446	38,089	21,973	35,725	5,400	1,519	-	-	4,625	165,901	100.0%
	Year 2001														
	Area	000 Acre	T	4,350	15,000	4,261	8,350	10,246	3,400	4,400	-	-	2,300	52,307	32.9%
4.4.2	Yield	MT/Acre	A	1.22	0.96	1.58	1.11	0.85	1.50	0.05	-	-	0.80	0.79	32.9%
	Production	MT	T	4,845	14,350	5,836	9,223	8,737	5,100	204	-	-	1,840	50,134	100.0%
	Year 2002														
4.4.3	Area	000 Acre	T	4,145	14,700	3,879	8,330	10,887	3,200	4,200	-	-	2,200	51,541	32.9%
	Yield	MT/Acre	A	1.24	0.94	1.67	1.12	0.88	2.00	0.04	-	-	0.85	0.82	32.9%
	Production	MT	T	4,537	13,674	5,199	9,330	9,694	6,400	184	-	-	1,870	50,887	100.0%
4.4.4	Year 2003														
	Area	000 Acre	T	3,985	15,200	3,648	8,275	11,344	3,150	4,500	-	-	2,150	52,252	32.9%
	Yield	MT/Acre	A	1.35	1.24	1.75	1.12	0.91	2.00	0.04	-	-	0.90	0.91	32.9%
4.4.4	Production	MT	T	4,590	19,029	4,948	9,268	10,208	6,300	163	-	-	1,935	56,440	100.0%
	Average of three Years														
	Area	000 Acre	T	4,159	14,946	3,929	8,308	13,294	3,250	12,200	-	-	2,216	62,302	32.9%
4.5.	Yield	MT/Acre	A	1.27	0.96	1.66	1.12	0.88	1.83	0.04	-	-	0.85	0.82	32.9%
	Production	MT	T	4,643	14,239	5,345	9,259	11,556	5,948	532	-	-	1,884	53,406	100.0%
	Year 2003														
4.5.1	Area	000 Acre	T	375	928	371	125	652	235	1,000	-	-	130	3,816	32.9%
	Yield	MT/Acre	A	0.98	1.00	1.13	1.05	1.27	1.50	0.04	-	-	1.20	0.85	32.9%
	Production	MT	T	367	928	408	133	833	353	37	-	-	156	3,214	100.0%
4.5.2	Year 2002														
	Area	000 Acre	T	390	1,947	1,665	130	650	300	870	-	-	110	6,062	32.9%
	Yield	MT/Acre	A	0.97	1.03	1.13	1.20	1.26	1.50	0.02	-	-	1.10	0.86	32.9%
4.5.3	Production	MT	T	386	2,068	1,226	161	822	450	23	-	-	121	5,256	100.0%
	Year 2003														
	Area	000 Acre	T	390	3,070	586	122	721	205	1,050	-	-	100	6,244	32.9%
4.5.4	Yield	MT/Acre	A	1.01	1.04	1.24	1.20	1.27	1.50	0.03	-	-	1.20	0.92	31.8%
	Production	MT	T	437	3,521	637	146	925	308	24	-	-	120	6,118	100.0%
	Average of three Years														
4.6	Area	000 Acre	T	384	956	1,278	125	957	247	2,870	-	-	113	6,930	32.9%
	Yield	MT/Acre	A	0.98	1.06	1.16	1.15	1.26	1.50	0.02	-	-	1.16	0.87	32.9%
	Production	MT	T	392	1,017	1,319	146	1,214	370	76	-	-	131	4,665	100.0%
4.6.1	Year 2001														
	Area	000 Acre	T	5	12	5	17	26	3	-	-	-	-	68	16.5%
	Yield	MT/Acre	A	1.40	1.30	1.00	1.51	0.98	2.00	-	-	-	-	1.25	16.5%
4.6.2	Production	MT	T	7	16	5	26	25	6	-	-	-	-	85	100.0%
	Year 2002														
	Area	000 Acre	T	3	16	7	20	25	-	-	-	-	-	71	15.3%
4.6.2	Yield	MT/Acre	A	1.10	1.38	1.25	1.55	1.02	-	-	-	-	-	1.24	15.3%
	Production	MT	T	3	22	9	31	25	-	-	-	-	-	89	100.0%

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Upazila Name			Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala			
4.6.3	Year 2003														
	Area	000 Acre	T	15	21	10	24	64	-	-	-	-	134	15.3%	
	Yield	MT/Acre	A	1.20	1.30	1.50	1.61	1.05	-	-	-	-	1.26	15.3%	
	Production	MT	T	18	27	15	39	63	-	-	-	-	162	100.0%	
4.6.4	Average of three Years														
	Area	000 Acre	T	8	14	7	94	43	-	-	-	-	165	15.3%	
	Yield	MT/Acre	A	1.16	2.16	1.25	1.35	1.00	-	-	-	-	1.44	15.3%	
	Production	MT	T	9	23	9	116	41	-	-	-	-	198	100.0%	
4.7 Potato															
4.7.1	Year 2001														
	Area	000 Acre	T	160	699	55	161	366	50	1,100	-	-	170	2,761	31.8%
	Yield	MT/Acre	A	7.86	5.40	8.00	5.65	3.15	3.00	0.10	-	5.00	4.00	31.8%	
	Production	MT	T	1,278	3,592	327	919	1,289	150	105	-	-	850	8,510	100.0%
4.7.2	Year 2002														
	Area	000 Acre	T	160	654	64	162	367	70	1,080	-	-	150	2,707	31.8%
	Yield	MT/Acre	A	8.16	3.19	7.58	5.91	3.12	3.00	0.16	-	4.90	3.50	31.8%	
	Production	MT	T	1,292	2,085	372	981	1,302	210	146	-	-	735	7,124	100.0%
4.7.3	Year 2003														
	Area	000 Acre	T	185	684	74	110	377	87	1,000	-	-	160	2,677	31.8%
	Yield	MT/Acre	A	8.15	2.80	8.33	4.40	3.22	3.00	0.16	-	5.10	3.42	31.8%	
	Production	MT	T	1,487	1,912	493	725	1,380	261	150	-	-	816	7,223	100.0%
4.7.4	Average of three Years														
	Area	000 Acre	T	168	529	64	101	424	69	3,180	-	-	160	4,695	31.8%
	Yield	MT/Acre	A	5.37	3.24	7.97	4.20	3.16	3.00	0.21	-	5.00	3.25	31.8%	
	Production	MT	T	869	1,703	385	648	1,357	207	663	-	-	800	6,632	100.0%
4.8 Vegetables															
4.8.1	Year 2001														
	Area	000 Acre	T	380	350	697	182	555	107	1,450	-	-	250	3,971	34.1%
	Yield	MT/Acre	A	8.95	7.37	5.75	7.25	9.52	2.00	0.01	-	6.00	5.35	34.1%	
	Production	MT	T	3,385	2,620	2,202	1,340	5,286	214	11	-	1,500	16,557	100.0%	
4.8.2	Year 2002														
	Area	000 Acre	T	405	421	822	190	591	110	900	-	-	260	3,699	34.1%
	Yield	MT/Acre	A	10.00	7.90	5.75	8.00	9.50	2.00	0.01	-	6.00	5.58	34.1%	
	Production	MT	T	4,013	3,051	2,515	1,439	5,614	220	8	-	1,560	18,419	100.0%	
4.8.3	Year 2003														
	Area	000 Acre	T	355	400	750	396	595	103	850	-	-	155	3,604	34.1%
	Yield	MT/Acre	A	9.25	7.63	6.01	8.50	10.47	2.00	0.01	-	6.20	5.72	34.1%	
	Production	MT	T	3,293	3,076	2,611	3,426	6,291	206	7	-	-	961	19,871	100.0%
4.8.4	Average of three Years														
	Area	000 Acre	T	380	324	1,823	208	777	107	2,600	-	-	3	6,221	34.1%
	Yield	MT/Acre	A	8.31	9.50	5.84	6.16	9.83	2.00	0.02	-	6.06	5.75	34.1%	
	Production	MT	T	3,127	3,056	4,572	1,364	7,588	213	41	-	-	15	19,978	100.0%
4.9 Spices															
4.5.1	Year 2001														
	Area	000 Acre	T	152	68	105	129	71	131	280	-	-	60	996	28.2%
	Yield	MT/Acre	A	0.99	3.33	4.67	2.24	7.20	0.75	0.01	-	1.25	3.27	28.2%	
	Production	MT	T	151	218	484	289	520	98	2	-	-	75	1,837	100.0%
4.5.2	Year 2002														
	Area	000 Acre	T	245	120	114	122	80	111	280	-	-	50	1,122	28.2%
	Yield	MT/Acre	A	1.06	3.68	5.07	2.24	7.53	0.80	0.01	-	1.50	3.50	28.2%	
	Production	MT	T	252	199	545	274	616	89	2	-	-	75	2,051	100.0%
4.5.3	Year 2003														
	Area	000 Acre	T	235	78	116	115	93	85	300	-	-	50	1,072	28.2%

Table : Summary of Upazila wise Data for Netrokona District

GeoCode No		Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union	
Upazila Name			Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala			
	Yield	MT/Acre	A	1.02	3.67	4.74	2.25	7.84	1.00	0.01			1.25	3.51	28.2%
	Production	MT	T	231	276	521	263	747	85	3	-	-	63	2,187	100.0%
4.5.4	Average of three Years														
	Area	000 Acre	T	210	124	112	122	82	105	870	-	-	53	1,679	28.2%
	Yield	MT/Acre	A	4.64	1.33	4.83	2.24	7.52	0.85	0.01			1.33	3.17	28.2%
	Production	MT	T	1,095	150	517	275	631	89	9	-	-	71	2,837	100.0%
4.1	Pulses													-	0.0%
4.10.1	Year 2001														
	Area	000 Acre	T	140	345	23	230	71	37	570	-	-	100	1,516	30.6%
	Yield	MT/Acre	A	0.60	6.43	0.47	0.51	0.60	1.50	0.01			0.40	1.81	30.6%
	Production	MT	T	88	2,280	11	116	42	56	7	-	-	40	2,640	100.0%
4.10.2	Year 2002														
	Area	000 Acre	T	150	259	24	225	75	80	590	-	-	110	1,513	30.6%
	Yield	MT/Acre	A	0.66	2.67	2.33	0.50	0.57	1.50	0.01			0.50	1.16	30.6%
	Production	MT	T	104	594	56	113	39	120	7	-	-	55	1,087	100.0%
4.10.3	Year 2003														
	Area	000 Acre	T	150	350	31	225	83	83	530	-	-	100	1,552	30.6%
	Yield	MT/Acre	A	0.63	1.72	0.63	0.52	0.61	1.50	0.03			0.45	0.76	30.6%
	Production	MT	T	97	536	20	117	47	125	16	-	-	45	1,002	100.0%
4.10.4	Average of three Years														
	Area	000 Acre	T	146	292	26	226	82	67	1,680	-	-	103	2,622	30.6%
	Yield	MT/Acre	A	0.87	0.94	0.52	0.51	0.59	1.50	0.01			0.45	0.57	30.6%
	Production	MT	T	126	255	14	115	46	100	14	-	-	46	717	100.0%
4.11	Oil seeds														
4.11.1	Year 2001														
	Area	000 Acre	T	780	366	17	800	682	70	330	-	-	150	3,195	30.6%
	Yield	MT/Acre	A	0.76	7.77	0.68	0.33	0.54	1.50	0.09			0.35	2.15	30.6%
	Production	MT	T	534	2,856	14	261	371	105	18	-	-	53	4,211	100.0%
4.11.2	Year 2002														
	Area	000 Acre	T	650	302	25	800	677	72	320	-	-	140	2,986	30.6%
	Yield	MT/Acre	A	0.78	8.83	0.75	0.31	0.56	1.50	0.01			0.40	2.39	30.6%
	Production	MT	T	470	2,826	21	245	381	108	3	-	-	56	4,109	100.0%
4.11.3	Year 2003														
	Area	000 Acre	T	620	312	28	847	678	77	400	-	-	145	3,107	30.6%
	Yield	MT/Acre	A	0.76	8.03	0.75	0.35	0.60	1.50	0.01			0.45	2.22	30.6%
	Production	MT	T	421	2,858	23	296	405	116	4	-	-	65	4,187	100.0%
4.11.4	Average of three Years														
	Area	000 Acre	T	683	275	23	815	395	73	1,080	-	-	145	3,489	30.6%
	Yield	MT/Acre	A	0.79	8.67	0.73	0.33	0.57	1.50	0.01			0.40	2.36	30.6%
	Production	MT	T	493	2,480	19	263	218	110	13	-	-	58	3,654	100.0%
4.12	Sugarcane														
4.12.1	Year 2001														
	Area	000 Acre	T	-	15	7	-	84	-	-	-	-	-	106	14.1%
	Yield	MT/Acre	A		7.20	19.00		3.74						7.73	14.1%
	Production	MT	T	-	108	125	-	317	-	-	-	-	-	550	100.0%
4.12.2	Year 2002														
	Area	000 Acre	T	-	72	8	-	79	-	-	-	-	-	159	14.1%
	Yield	MT/Acre	A		6.80	20.00		3.77						7.74	14.1%
	Production	MT	T	-	684	160	-	303	-	-	-	-	-	1,147	100.0%
4.12.3	Year 2003														
	Area	000 Acre	T	-	11	8	-	85	-	-	-	-	-	104	14.1%
	Yield	MT/Acre	A		8.40	20.50		3.90						8.54	14.1%
	Production	MT	T	-	90	163	-	335	-	-	-	-	-	588	100.0%

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GeoCode No	Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union	
Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala			
4.12.4	Average of three Years													
	Area	000 Acre	T	-	45	7	-	86	-	-	-	138	14.1%	
	Yield	MT/Acre	A	-	6.80	19.82	-	3.80	-	-	-	7.72	14.1%	
	Production	MT	T	-	278	148	-	330	-	-	-	756	100.0%	
	4.13 Jute													
4.13.1	Year 2001													
	Area	000 Acre	T	1,080	213	40	-	1,009	220	4,000	-	160	6,722	30.6%
	Yield	MT/Acre	A	2.77	3.62	1.17	-	0.57	1.50	0.03	-	0.90	1.39	30.6%
	Production	MT	T	2,959	653	48	-	555	330	124	-	144	4,813	100.0%
4.13.2	Year 2002													
	Area	000 Acre	T	845	188	37	-	977	105	3,850	-	160	6,162	30.6%
	Yield	MT/Acre	A	2.47	2.80	1.33	-	0.57	1.50	0.03	-	1.00	1.20	30.6%
	Production	MT	T	1,953	250	53	-	562	158	101	-	160	3,236	100.0%
4.13.3	Year 2003													
	Area	000 Acre	T	370	198	38	-	823	86	4,100	-	140	5,755	30.6%
	Yield	MT/Acre	A	2.67	12.63	1.00	-	0.58	1.50	0.03	-	0.95	3.45	30.6%
	Production	MT	T	836	1,009	38	-	505	129	129	-	133	2,778	100.0%
4.13.4	Average of three Years													
	Area	000 Acre	T	765	211	39	-	1,013	137	10,550	-	153	12,868	29.4%
	Yield	MT/Acre	A	2.63	3.75	1.17	-	0.57	1.50	0.04	-	0.95	1.47	29.4%
	Production	MT	T	1,907	776	47	-	586	206	496	-	146	4,163	100.0%
	4.14 Cotton													
4.14.1	Year 2001													
	Area	000 Acre	T	-	-	-	-	-	-	-	-	-	-	0.0%
	Yield	MT/Acre	A	-	-	-	-	-	-	-	-	-	-	0.0%
	Production	MT	T	-	-	-	-	-	-	-	-	-	-	100.0%
4.14.2	Year 2002													
	Area	000 Acre	T	-	-	-	-	-	-	-	-	-	-	0.0%
	Yield	MT/Acre	A	-	-	-	-	-	-	-	-	-	-	0.0%
	Production	MT	T	-	-	-	-	-	-	-	-	-	-	100.0%
4.14.3	Year 2003													
	Area	000 Acre	T	-	-	-	-	-	-	-	-	-	-	0.0%
	Yield	MT/Acre	A	-	-	-	-	-	-	-	-	-	-	0.0%
	Production	MT	T	-	-	-	-	-	-	-	-	-	-	100.0%
4.14.4	Average of three Years													
	Area	000 Acre	T	-	-	-	-	-	-	-	-	-	-	0.0%
	Yield	MT/Acre	A	-	-	-	-	-	-	-	-	-	-	0.0%
	Production	MT	T	-	-	-	-	-	-	-	-	-	-	100.0%

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GeoCode No	Type of Data	720411	720911	721808	723813	724011	724706	725610	726310	727407	728307	District	Ratio of Union	
Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala			
5	Damages by the 2004 flood.Please											-		
5.1	How was the damage by the flood in											-		
	Much higher	C	2	3	2	2	-	2	-	-	2	-	13	15.3%
	Higher	C	-	1	-	-	-	1	7	-	-	-	9	10.6%
	As-usual	C	-	2	1	-	-	-	1	-	-	-	4	4.7%
	Less	C	-	1	-	-	-	-	-	-	-	-	1	1.2%
5.2	How was the damage in the items below:											-		
5.2.1	Roads	%										-		
	Fully	A	36.67	26.67	37.50	68.75		38.18	72.50	-	50.71	50.00	45.64	45.9%
	Partial	A	51.25	61.43	26.67	26.90	40.00	35.00	63.75	60.00	30.00	15.00	39.88	55.3%
	No damage	A	55.00	27.14	55.71	18.10	95.00	40.77	31.88	91.43	52.92	88.18	57.01	100.0%
5.2.2	Houses	%										-		
	Fully	A	37.50	16.67	22.40	83.00		26.11	40.00	-	24.29	20.00	32.49	41.2%
	Partial	A	40.00	48.57	15.83	12.60	10.00	36.20	47.86	20.00	43.57	25.00	34.58	58.8%
	No damage	A	77.86	44.29	70.43	4.40		54.08	53.13	97.14	60.42	91.82		100.0%
5.2.3	Agricultural lands	%										-		
	Fully	A	15.00	21.67	67.50	70.00		40.10	72.50	100.00	57.86	47.50	53.36	43.5%
	Partial	A	28.33	60.71	18.00	18.75	10.00	26.78	35.00	-	22.86	20.00	29.26	50.6%
	No damage	A	85.71	30.00	51.14	29.00		50.62	46.25	85.71	52.92	87.73		100.0%
5.2.4	Crops	%										-		
	Fully	A	32.50	31.67	16.25	79.44	100.00	38.73	88.57	100.00	50.71	44.00	53.75	50.6%
	Partial	A	35.00	50.00				24.17		-		25.00	29.58	14.1%
	No damage	A	85.71	65.00	90.71	20.56	87.50	56.08	22.50	85.71	70.42	89.73	68.63	100.0%
5.2.5	Fisheries	%										-		
	Fully	A	50.00	65.83	70.60	65.00	50.00	60.45	84.00	100.00	51.43	50.00	63.43	55.3%
	Partial	A	38.33	73.33	28.75	26.00		20.00	75.00		22.14	20.00	34.31	43.5%
	No damage	A	69.29	12.14	33.14	9.00		35.00	10.00	85.71	57.08	89.09		100.0%
5.2.6	Livestock	%										-		
	Fully	A	7.50	27.50	15.00	42.40		19.11	71.67	-	26.67	12.50	27.62	40.0%
	Partial	A	30.00	26.00	20.00	40.00	10.00	29.70	33.00	50.00	23.33	20.00	28.55	47.1%
	No damage	A	89.29	65.71	87.14	17.60	97.50	63.92	52.50	92.86	75.00	95.91	75.52	100.0%
5.3	Damages in agricultural fields											-		
5.3.1	Damages in standing crops	%										-		
	Fully	A	22.50	50.00	5.00	82.00		26.50	93.75	100.00	46.67	25.00	56.14	43.5%
	Partial	A	52.50	69.00	10.00	10.00	50.00	31.88		-	36.67	30.00	34.68	36.5%
	No damage	A	78.57	15.00	96.43	8.00	93.75	64.08	6.25	85.71	58.33	95.00	62.92	100.0%
5.3.2	Loss of seedlings	%										-		
	Fully	A	62.50	65.00	60.00	77.00	100.00	63.18	89.38	100.00	72.50	26.29	69.44	56.5%
	Partial	A	40.00	65.00	32.50	12.00		16.44	20.00	-	16.67	14.44	23.84	38.8%
	No damage	A	76.43	7.14	47.14	11.00		35.15	8.13	85.71	55.42	90.20		100.0%
5.3.3	Loss of seeds	%										-		
	Fully	A	25.00	58.33	72.50	72.00		62.00	92.86	-	11.67	5.00	57.90	49.4%
	Partial	A	65.00	73.75	10.00	18.00	50.00	17.78	20.00	25.00	12.50	20.00	27.66	38.8%
	No damage	A	77.86	7.86	55.71	10.00		35.23	16.25	96.43	87.92	97.73		100.0%
5.3.4	Delay of cropping by flood	%										-		
	Fully	A	47.50	16.67	70.00	73.00	100.00	49.67	47.50	100.00	25.00	30.00	49.91	38.8%
	Partial	A	52.50	48.57	30.00	19.00		24.22	41.00	-	22.00	15.00	30.62	43.5%
	No damage	A	71.43	44.29	65.71	8.00	87.50	48.85	62.50	85.71	80.42	91.82	67.29	100.0%

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Upazila Name		Atpara	Barhatta	Durgapur	Khaliajuri	Kalmakanda	Kendua	Madan	Mohanganj	Netrakona Sada	Purbadhala		
5.3.5	Accumulation of mud	%											
	Fully	A	-	10.00	16.67	29.00	5.83	52.50	-	20.00	5.00	16.96	27.1%
	Partial	A	42.50	24.29	18.75	42.00	50.00	17.14	26.67	-	15.00	5.00	25.43
	No damage	A	87.86	71.43	82.14	29.00	93.75	88.08	66.88	100.00	97.08	99.09	84.94
5.3.6	Erosion of fields	%											
	Fully	A	-	-	10.00	21.00	1.00	48.33	-	10.00	2.00	12.64	25.9%
	Partial	A	30.00	18.57	20.00	50.00	10.00	25.00	50.00	30.00	8.00	24.59	34.1%
	No damage	A	95.71	81.43	95.71	29.00	100.00	94.15	66.25	92.86	96.67	99.09	88.34
5.3.7	Loss of fodder	%											
	Fully	A	11.00	45.00	70.00	82.00	53.70	60.00	100.00	27.00	20.00	52.06	42.4%
	Partial	A	53.33	42.50	18.33	13.00	50.00	18.50	66.25	-	28.00	15.00	30.13
	No damage	A	74.00	37.86	62.14	5.00	93.75	44.46	36.88	85.71	77.08	93.64	63.78
5.3.8	Loss of cultured fish	%											
	Fully	A	75.00	66.67	76.25	87.00	100.00	62.73	90.00	100.00	50.83	20.00	70.36
	Partial	A	70.00	60.00	45.00	12.75	14.56	90.00	-	20.00	20.00	32.32	36.5%
	No damage	A	58.57	17.14	43.57	2.80	87.50	36.85	10.00	85.71	64.58	96.36	53.45
5.3.9	Loss of fingerlings	%											
	Fully	A	81.67	66.67	71.40	90.00	71.00	91.00	-	65.00	17.50	70.84	44.7%
	Partial	A	40.00	100.00	25.00	9.50	50.00	11.00	71.67	-	15.00	42.50	33.19
	No damage	A	59.29	-	41.86	20.40	93.75	38.62	16.25	100.00	86.67	89.09	57.79
5.3.10	Damages of aquaculture facilities	%											
	Fully	A	30.00	63.33	90.00	68.75	30.71	73.75	-	-	10.00	53.27	30.6%
	Partial	A	40.00	58.75	10.00	8.33	50.00	0.83	55.00	50.00	10.00	26.75	23.5%
	No damage	A	90.00	12.14	72.86	40.00	93.75	83.08	49.38	92.86	100.00	98.18	77.41
5.3.11	Damages of fishing area	%											
	Fully	A	70.00	45.00	66.00	83.00	62.55	65.00	-	15.00	5.00	59.79	40.0%
	Partial	A	42.50	57.50	27.50	11.60	50.00	9.89	61.25	30.00	10.00	10.00	30.53
	No damage	A	67.86	25.00	45.00	5.40	93.75	40.23	36.88	95.71	97.92	98.64	64.59
5.3.12	Damage of Animal	%											
	Fully	A	10.00	1.67	-	-	15.50	-	-	-	20.00	10.67	14.1%
	Partial	A	35.00	23.75	-	-	21.17	-	-	-	25.00	21.69	15.3%
	No Loss	A	93.57	85.71	100.00	100.00	100.00	83.08	100.00	100.00	100.00	95.91	95.18
5.3.13	Damage of Cattles	%											
	Fully	A	7.50	1.67	7.50	32.20	8.83	20.00	-	7.50	7.50	11.47	36.5%
	Partial	A	50.00	25.00	19.00	37.50	50.00	20.95	31.43	30.00	10.00	20.00	25.38
	No Loss	A	83.57	74.29	89.71	37.80	93.75	77.77	70.00	95.71	91.25	95.00	82.98
5.3.14	Drmage of Goats	%											
	Fully	A	10.00	3.33	20.00	66.00	18.19	15.00	-	17.50	7.50	23.47	34.1%
	Partial	A	75.00	27.86	30.00	23.00	25.00	23.85	22.86	15.00	20.00	25.66	50.6%
	No Loss	A	75.71	70.71	81.43	11.00	96.88	66.62	78.13	100.00	83.75	95.00	78.42
5.3.15	Diseases of animals	%											
	Serious	A	11.50	8.33	5.00	42.50	65.00	7.38	40.00	-	8.33	12.50	16.50
	Medium	A	47.50	33.57	6.50	36.00	-	26.11	30.71	32.50	22.50	30.33	32.9%
	Low	A	83.14	62.86	97.43	30.00	91.88	77.38	68.13	100.00	79.58	93.64	47.1%
		A											80.29
		A											100.0%

Type of Data - T:Total, A:Average, C:Count