

Annexure 1: Data Tables of the Baseline Study Report

Adaptation in Ecologically Critical Areas in Bangladesh (AECAB)

November 2024



NABAPALLAB, a consortium led by CARE in partnership with



A. Demographic Information

Table A-1: Household Survey status in the ECAs and Adjacent area of ECAs

Issues	Hakaluki Haor		Sundarbans		Total	
	Number	Percentage	Number	Percentage	Number	Percentage
Household in ECA	1041	39.7%	1144	43.6%	2185	83.33%
Household in Adjacent ECA	208	7.9%	229	8.7%	437	16.67%
Total	1249	48%	1373	52%	2622	100%

Table A-2: Distribution of Household Survey by District

Name of the District	Hakaluki Haor	Sundarbans	Total
Bagerhat	0	449	449
Khulna	0	502	502
Moulavibazar	667	0	667
Satkhira	0	422	422
Sylhet	582	0	582
Total	1249	1373	2622

Table A-3: Age Group Distribution (%) of the Household Head

Age Group	Hakaluki ECA		Adjacent Hakaluki		Sundarbans ECA		Adjacent Sundarbans		Overall Total		ECA Total	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
18-24 Years	115	11.0	24	11.5	110	9.6	30	13.1	279	10.6	225	10.3
25-35 Years	342	32.9	67	32.2	352	30.8	84	36.7	845	32.2	694	31.8
36-64 Years	539	51.8	110	52.9	618	54.0	107	46.7	1374	52.4	1157	53.0
65 Years and older	45	4.3	7	3.4	64	5.6	8	3.5	124	4.7	109	5.0

Table A-4: Sex Ratio of the Household Head

Issues	Household Located At				ECA Total		Total	
	Hakaluki Haor		Sundarbans		Number	Percentage	Number	Percentage
	Number	Percentage	Number	Percentage				
Female	124	9.9%	100	7.3%	199	9.1%	224	8.5%
Male	1125	90.1%	1273	92.7%	1986	90.9%	2398	91.5%
Total	1249	100.0%	1373	100.0%	2185	100%	2622	100.0%

Table A-5: Percentage Distribution of Ethnic Group

Area	Ethnic Group				Total	
	No		Yes		Number	Percentage
	Number	Percentage	Number	Percentage		
Hakaluki Haor	1215	97.3%	34	2.7%	1249	100.0%
Sundarbans	1333	97.1%	40	2.9%	1373	100.0%
In ECA	2111	96.6%	74	3.4%	2185	100.0%
Total	2548	97.2%	74	2.8%	2622	100.0%

Table A-6: Percentage Distribution of Household Members and Family Size

Range of Household Members	Household Located At				ECA Total		Total	
	Hakaluki Haor		Sundarbans		Number	Percentage	Number	Percentage
	Number	Percentage	Number	Percentage				
Small Family	171	13.7%	367	26.7%	429	19.6%	538	20.5%

Range of Household Members	Household Located At				ECA Total		Total	
	Hakaluki Haor		Sundarbans		Number	Percentage	Number	Percentage
	Number	Percentage	Number	Percentage				
(Up to 3 Members)								
Medium Family (4 to 5 Members)	572	45.8%	747	54.4%	1085	49.7%	1319	50.3%
Large Family (6 Members and above)	506	40.5%	259	18.9%	671	30.7%	765	29.2%
Average Family Size	5.27		4.40		5		4.82	
Average women headed household family size	4.13		2.83		3.61		3.55	

Table A-7: Percentage Distribution of Education Level of Household Head

Education Level	ECA Status										Total	
	ECA Hakaluki		Adjacent hakaluki		ECA Sundarbans		Adjacent Sundarbans		ECA Total			
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Bellow SSC (Class 6-10)	136	13.1%	28	13.5%	139	12.2%	49	21.4%	275	12.6%	352	13.4%
BSc/BA/Bcom/Fazil	2	0.2%	1	0.5%	14	1.2%	3	1.3%	16	0.7%	20	0.8%
Hafezi	1	0.1%	0	0.0%	0	0.0%	0	0.0%	1	0.0%	1	0.0%
HSC/Alim	5	0.5%	2	1.0%	30	2.6%	6	2.6%	35	1.6%	43	1.6%
MSc/MA/Mcom/Kamil	3	0.3%	1	0.5%	4	0.3%	2	0.9%	7	0.3%	10	0.4%
Non-literate/Iliterate	605	58.1%	118	56.7%	612	53.5%	85	37.1%	1217	55.7%	1420	54.2%
Primary (Up to Class 5)	268	25.7%	53	25.5%	310	27.1%	71	31.0%	578	26.5%	702	26.8%
SSC/Dakhil	20	1.9%	5	2.4%	35	3.1%	13	5.7%	55	2.5%	73	2.8%
Vocational	1	0.1%	0	0.0%	0	0.0%	0	0.0%	1	0.0%	1	0.0%
Total	1041	100.0%	208	100.0%	1144	100.0%	229	100.0%	2185	100%	2622	100.0%

Table A-8: Education Level of Household Head by Age Group

Education Level	Youth (up to 29 yrs)		Adult (30 yrs to 59 yrs)		Elderly (60 yrs and above)		Total	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Primary (Up to Class 5)	112	33.0%	554	28.2%	36	11.2%	702	26.8%
Bellow SSC (Class 6-10)	87	25.7%	250	12.7%	15	4.7%	352	13.4%
SSC/Dakhil	10	2.9%	59	3.0%	4	1.2%	73	2.8%
Non-literate	111	32.7%	1046	53.3%	263	81.9%	1420	54.2%
Others	19	5.6%	53	2.7%	3	0.9%	75	2.9%
Total	339	100.0%	1962	100.0%	321	100.0%	2622	100.0%

Table A-9: Percentage Distribution of Occupation of Household Head

Primary occupation	ECA Status											
	ECA Hakaluki		Adjacent Hakaluki		ECA Sundarban s		Adjacent Sundarban s		ECA Total		Total	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Agricultural crop production/Farming	171	16.4%	3	1.4%	78	6.8%	37	16.2%	249	11.4%	289	11.0%
Agriculture wage labor	113	10.9%	2	1.0%	78	6.8%	21	9.2%	191	8.7%	214	8.2%
Barber	5	0.5%	0	0.0%	10	0.9%	0	0.0%	15	0.7%	15	0.6%
Beggar	7	0.7%	1	0.5%	5	0.4%	0	0.0%	12	0.5%	13	0.5%
Biker	0	0.0%	0	0.0%	13	1.1%	1	0.4%	13	0.6%	14	0.5%
Blacksmith	1	0.1%	1	0.5%	1	0.1%	0	0.0%	2	0.1%	3	0.1%
Boatman	2	0.2%	0	0.0%	1	0.1%	0	0.0%	3	0.1%	3	0.1%
Business	78	7.5%	43	20.7%	100	8.7%	16	7.0%	178	8.1%	237	9.0%
Butcher	1	0.1%	0	0.0%	1	0.1%	0	0.0%	2	0.1%	2	0.1%
Carpenter	7	0.7%	2	1.0%	5	0.4%	0	0.0%	12	0.5%	14	0.5%
Cobbler	0	0.0%	0	0.0%	1	0.1%	0	0.0%	1	0.0%	1	0.0%
Contractor	0	0.0%	0	0.0%	1	0.1%	0	0.0%	1	0.0%	1	0.0%
Cook	1	0.1%	2	1.0%	1	0.1%	0	0.0%	2	0.1%	4	0.2%
Crab collection	0	0.0%	0	0.0%	12	1.0%	0	0.0%	12	0.5%	12	0.5%
Dairy Business	1	0.1%	1	0.5%	3	0.3%	0	0.0%	4	0.2%	5	0.2%
Dental Doctor	0	0.0%	0	0.0%	1	0.1%	0	0.0%	1	0.0%	1	0.0%

Primary occupation	ECA Status												
	ECA Hakaluki		Adjacent Hakaluki		ECA Sundarbans		Adjacent Sundarbans		ECA Total		Total		
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	
Domestic Worker	29	2.8%	12	5.8%	22	1.9%	2	0.9%	51	2.3%	65	2.5%	
Electrician	3	0.3%	3	1.4%	2	0.2%	1	0.4%	5	0.2%	9	0.3%	
Fish Business	6	0.6%	0	0.0%	2	0.2%	2	0.9%	8	0.4%	10	0.4%	
Fish farming	5	0.5%	0	0.0%	32	2.8%	5	2.2%	37	1.7%	42	1.6%	
Food for work/money (Soil cutting, road maintenance etc.)	34	3.3%	0	0.0%	4	0.3%	1	0.4%	38	1.7%	39	1.5%	
Forest resource collector (bawali/mouali/ Fruit Collection)	4	0.4%	0	0.0%	3	0.3%	0	0.0%	7	0.3%	7	0.3%	
Fry collection	0	0.0%	0	0.0%	4	0.3%	0	0.0%	4	0.2%	4	0.2%	
Handicraft (swing, handloom, cottage etc.)	24	2.3%	0	0.0%	17	1.5%	2	0.9%	41	1.9%	43	1.6%	
Homemaker	4	0.4%	0	0.0%	3	0.3%	0	0.0%	7	0.3%	7	0.3%	
Homeopathy Doctor	0	0.0%	0	0.0%	2	0.2%	0	0.0%	2	0.1%	2	0.1%	
Horticulture	26	2.5%	0	0.0%	1	0.1%	1	0.4%	27	1.2%	28	1.1%	
Imam/Priest	4	0.4%	0	0.0%	4	0.3%	5	2.2%	8	0.4%	13	0.5%	
Inland Fishing	71	6.8%	4	1.9%	137	12.0%	7	3.1%	208	9.5%	219	8.4%	
Livestock and poultry	8	0.8%	0	0.0%	3	0.3%	2	0.9%	11	0.5%	13	0.5%	
Mason	3	0.3%	0	0.0%	6	0.5%	0	0.0%	9	0.4%	9	0.3%	
Mechanic	2	0.2%	0	0.0%	2	0.2%	0	0.0%	4	0.2%	4	0.2%	
NGO Worker	6	0.6%	1	0.5%	6	0.5%	4	1.7%	12	0.5%	17	0.6%	
Non-farming day labor	262	25.2%	66	31.7%	372	32.5%	57	24.9%	634	29.0%	757	28.9%	
Painter	1	0.1%	0	0.0%	0	0.0%	0	0.0%	1	0.0%	1	0.0%	
Plumber	1	0.1%	0	0.0%	1	0.1%	0	0.0%	2	0.1%	2	0.1%	
Private job	5	0.5%	0	0.0%	1	0.1%	2	0.9%	6	0.3%	8	0.3%	
Sea Fishing	1	0.1%	0	0.0%	16	1.4%	0	0.0%	17	0.8%	17	0.6%	
Service	0	0.0%	1	0.5%	0	0.0%	0	0.0%	0	0.0%	1	0.0%	
Shrimp culture	1	0.1%	0	0.0%	37	3.2%	20	8.7%	38	1.7%	58	2.2%	
Tailor	6	0.6%	1	0.5%	4	0.3%	0	0.0%	10	0.5%	11	0.4%	

Primary occupation	ECA Status											
	ECA Hakaluki		Adjacent Hakaluki		ECA Sundarban s		Adjacent Sundarban s		ECA Total		Total	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Teacher	3	0.3%	1	0.5%	6	0.5%	0	0.0%	9	0.4%	10	0.4%
Timber Trader	12	1.2%	0	0.0%	13	1.1%	2	0.9%	25	1.1%	27	1.0%
Tourist guide	1	0.1%	0	0.0%	0	0.0%	0	0.0%	1	0.0%	1	0.0%
Transport Worker (Rickshaw/Van /Cart/Boatman)	113	10.9 %	59	28.4 %	114	10.0 %	37	16.2 %	227	10.4 %	323	12.3 %
Village Doctor	0	0.0%	0	0.0%	2	0.2%	0	0.0%	2	0.1%	2	0.1%
Work abroad	19	1.8%	5	2.4%	17	1.5%	4	1.7%	36	1.6%	45	1.7%
Total	1041	100.0 %	208	100.0 %	1144	100.0 %	229	100.0 %	2185	100.0 %	2622	100.0 %

Table A-10: Primary Occupation of the women headed household

Primary occupation	ECA Status											
	ECA Hakaluki		Adjacent Hakaluki		ECA Sundarban s		Adjacent Sundarban s		ECA Total		Total	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Agricultural crop production/Farming	4	3.7%	0	0.0%	1	1.1%	0	0.0%	5	2.5%	5	2.2%
Agriculture wage labor	5	4.7%	0	0.0%	1	1.1%	1	12.5 %	6	3.0%	7	3.1%
Beggar	2	1.9%	0	0.0%	4	4.3%	0	0.0%	6	3.0%	6	2.7%
Business	0	0.0%	0	0.0%	4	4.3%	0	0.0%	4	2.0%	4	1.8%
Domestic Worker	29	27.1 %	12	70.6 %	22	23.9 %	2	25.0 %	51	25.6 %	65	29.0 %
Fry collection	0	0.0%	0	0.0%	1	1.1%	0	0.0%	1	0.5%	1	0.4%
Handicraft (swing, handloom, cottage etc.)	9	8.4%	0	0.0%	4	4.3%	0	0.0%	13	6.5%	13	5.8%
Homemaker	4	3.7%	0	0.0%	3	3.3%	0	0.0%	7	3.5%	7	3.1%
Horticulture	16	15.0 %	0	0.0%	0	0.0%	0	0.0%	16	8.0%	16	7.1%
Inland Fishing	3	2.8%	0	0.0%	11	12.0 %	0	0.0%	14	7.0%	14	6.3%
Livestock and poultry	3	2.8%	0	0.0%	1	1.1%	0	0.0%	4	2.0%	4	1.8%
NGO Worker	1	0.9%	1	5.9%	1	1.1%	1	12.5 %	2	1.0%	4	1.8%

Primary occupation	ECA Status											
	ECA Hakaluki		Adjacent Hakaluki		ECA Sundarbans		Adjacent Sundarbans		ECA Total		Total	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Non-farming day labor	23	21.5%	1	5.9%	33	35.9%	3	37.5%	56	28.1%	60	26.8%
Private job	1	0.9%	0	0.0%	0	0.0%	0	0.0%	1	0.5%	1	0.4%
Shrimp culture	0	0.0%	0	0.0%	1	1.1%	0	0.0%	1	0.5%	1	0.4%
Tailor	1	0.9%	0	0.0%	2	2.2%	0	0.0%	3	1.5%	3	1.3%
Teacher	0	0.0%	0	0.0%	1	1.1%	0	0.0%	1	0.5%	1	0.4%
Timber Trader	1	0.9%	0	0.0%	0	0.0%	0	0.0%	1	0.5%	1	0.4%
Transport Worker (Rickshaw/Van/Cart/Boatman)	3	2.8%	2	11.8%	2	2.2%	0	0.0%	5	2.5%	7	3.1%
Work abroad	2	1.9%	1	5.9%	0	0.0%	1	12.5%	2	1.0%	4	1.8%
Total	107	100.0%	17	100.0%	92	100.0%	8	100.0%	199	100.0%	224	100.0%

Table A-11: Average Earning Members in the surveyed households in the ECAs and Adjacent Areas

Size	Hakaluki Haor		Sundarbans		Women headed HH		ECA Total	Total
	ECA	Adjacent Areas	ECA	Adjacent Areas	ECA Total	Total		
Average Earning Members	1.29	1.20	1.19	1.14	1.25	1.25	1.24	1.23
Total HHs	1041	208	1144	229	199	209	2185	2622

Table A-12: Annual Average HH Income (in BDT) by ECAs and Adjacent Areas

Issues	Hakaluki Haor		Sundarbans ECA		ECA Total	Total
	ECAs	Control Areas	ECAs	Control Areas		
Mean/Average	153076	175754	130209	134089	142119	143240
Median	144000	170000	120000	125000	130000	135000
Maximum	507000	390000	460000	360000	507000	507000
Minimum	10000	56000	10000	20000	10000	10000
St. Deviation	77327	65406	55013	50989	67859	66785

Table A-13: Annual Average HH Income (in BDT) by key source in the ECAs and Adjacent Areas

ECA Status	ECA Hakaluki	Adjacent Hakaluki	ECA Sundarbans	Adjacent Sundarbans	ECA Total	Total
Sea Fishing:	0.00		114000.00		99750.00	99750.00
Forest resource collection (bawali/mouali/Fruit Collection) :	28000.00		66250.00		45000.00	45000.00
Shrimp culture:	0.00		133772.73	137289.47	127956.52	130684.62
Crab collection:	0.00		84750.00		75333.33	75333.33
Crab fattening:	0.00				0.00	0.00
Fish farming:	97555.56		110485.71	96000.00	107840.91	106215.69
Fry collection:	0.00		35714.29		27777.78	27777.78
Inland Fishing:	110913.83	140800.00	93771.81	91000.00	100402.88	100936.86
Timber Trade:	104384.62		166875.00	80000.00	138862.07	136900.00
Agricultural crop production/Farming:	89999.07	250000.00	87423.08	92765.96	89156.60	90928.80
Agriculture wage labor:	102300.61	151666.67	91575.47	94860.00	98090.00	98358.39
Non-farming day labor:	106777.45	149421.05	101700.51	94380.26	104053.10	106595.59
Business:	149530.23	174790.70	124174.31	170052.63	135356.92	144519.84
Dairy Business:	36000.00	150000.00	140000.00		62000.00	79600.00
Horticulture	45233.33		5000.00	60000.00	42718.75	43735.29
Food for work/money (Soil cutting, road maintenance etc.):	146890.63		94833.33	110000.00	138671.05	137935.90
Service	134866.67	153000.00	106153.85	132500.00	121535.71	126972.97
Handicraft (swing, handloom, cottage etc.):	92103.45	36000.00	87173.91	72000.00	89923.08	88592.59
Domestic	52672.41	78733.33	59160.00	42000.00	55675.93	59909.72
Livestock and poultry:	22809.09	23000.00	23981.48	34750.00	23149.46	24408.18
Transport	157972.66	149238.10	115708.33	107277.78	135597.43	134505.26
Remittance:	169440.00	140600.00	146705.88	126000.00	160238.10	154285.71

ECA Status	ECA Hakaluki	Adjacent Hakaluki	ECA Sundarbans	Adjacent Sundarbans	ECA Total	Total
Other	82184.02	77742.86	77165.22	62276.60	79999.18	77713.63

Table A-14: Annual Average HH Expenditures (in BDT) by key Items in the ECAs and Adjacent Areas

ECA Status	ECA Hakaluki	Adjacent Hakaluki	ECA Sundarbans	Adjacent Sundarbans	ECA Total	Total
Loan repayment:	30049.43	28100.00	19585.56	19042.00	24913.94	24545.98
House repair:	9412.28	20200.00	8194.66	9281.82	8745.11	8827.69
WASH facilities:	2074.36	846.15	2427.58	2020.22	2331.25	2287.82
Cooking Fuel:	13337.70	12545.45	8443.67	7699.32	10863.33	10707.50
Food:	81087.55	94153.40	72273.29	86445.41	76442.47	78725.00
Cloth:	6572.82	6413.53	5006.20	5868.57	5721.47	5789.92
Health:	5834.47	5624.68	5940.50	9941.58	5893.55	6242.59
Education:	9101.60	10476.14	10449.16	9526.05	9855.83	9869.23
Religious/Social/Cultural purpose:	4087.14	5519.40	3644.03	4127.91	3839.64	3982.24
Input expenditure:	4951.28	10000.00	5927.63	9828.57	5433.12	6324.87
Others:	17852.94	31550.00	12715.38	30000.00	15626.67	23745.16

Table A-15: Percentage Distribution of Household's Dependency on Natural Resources by ECAs and Adjacent Areas

Types of Natural Resources	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Forest (Mangrove and Wetland Forest)	8.9%	0.5%	8.3%	0.4%	8.5%	7.3%
Biodiversity	2.1%	0.0%	0.3%	0.9%	1.1%	1.0%
NTFP	0.0%	0.0%	3.1%	0.4%	1.7%	1.5%
Fisheries	22.5%	1.4%	32.0%	4.8%	27.7%	23.9%
Haor and wetland resources	12.1%	0.0%	7.4%	1.7%	9.6%	8.3%
Eco-tourism	0.1%	0.0%	0.4%	0.0%	0.2%	0.2%
Others	0.2%	0.0%	0.8%	0.0%	0.5%	0.5%
Not Dependent/ NA	54.1%	98.1%	47.7%	91.7%	50.6%	57.4%

Table A-16: Percentage Distribution of Household Responses regarding the Purpose of Dependency on Natural Resources by ECAs and Adjacent Areas

Purposes of Dependency	Hakaluki Haor		Sundarbans		Overall ECA Total	Overall Total (%)
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Employment and income	29.6%	25.0%	36.9%	44.1%	33.2%	33.3%
Food & nutrition	23.9%	25.0%	24.1%	0.0%	24.0%	23.5%
Herbal medicine & health seeking	0.0%	0.0%	0.4%	0.0%	0.2%	0.2%
Family wellbeing	11.8%	8.3%	13.5%	17.6%	12.6%	12.7%
Fodder for cattle	5.0%	0.0%	0.4%	0.0%	2.8%	2.7%
Fuel for cooking	25.1%	8.3%	13.6%	0.0%	19.4%	19.0%

Housing materials	0.3%	0.0%	0.8%	0.0%	0.6%	0.5%
Others: DRR	0.0%	0.0%	0.6%	0.0%	0.3%	0.3%
Not Dependent/ NA	4.3%	33.3%	9.7%	38.2%	7.0%	7.7%

Table A-17: Percentage Distribution of Household's Responses on Awareness about LLA Initiatives by ECAs and Adjacent Areas

Types of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total (%)
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	0.1%	5.3%	10.1%	4.8%	93.7%	5.3%
No	99.9%	94.7%	89.9%	95.2%	6.3%	94.7%
Total	100%	100%	100%	100%	100%	100%

Table A-18: Percentage Distribution of Household's Responses regarding Affiliation in the Local Committees and Groups by ECAs and Adjacent Areas

Types of Committees and Groups	Hakaluki Haor		Sundarbans		ECA Total	Total (%)
	ECA	Adjacent Areas	ECA	Adjacent Areas		
CPG	0.0%	0.0%	3.4%	0.0%	1.9%	1.6%
VCF	0.6%	0.0%	0.0%	0.0%	0.3%	0.2%
CFMC	0.0%	0.0%	2.0%	0.0%	1.1%	0.9%
Agro-forestry and social forestry	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Sustainable forest management	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%
Forest protection	0.1%	0.0%	3.7%	0.0%	2.0%	1.7%
Forest restoration	0.0%	0.0%	0.4%	0.0%	0.2%	0.2%
Water and Wetland Management	0.1%	0.0%	1.1%	0.0%	0.7%	0.6%
Marine & mangrove protection	0.0%	0.0%	0.9%	0.0%	0.5%	0.4%
Soil and vegetable management	0.0%	0.5%	0.2%	0.0%	0.1%	0.1%
Wetland and peatland protection	0.2%	0.0%	0.1%	0.0%	0.1%	0.1%
Others (Fish sanctuary & Beel management, birds conservation; protection of wildlife)	0.3%	0.0%	0.2%	0.0%	0.3%	0.2%
None of these	98.8%	99.0%	87.8%	100.0%	92.8%	93.9%

B. Agriculture and Sustainable Land Management

Table B-1: Percentage Distribution of Responses regarding HH Land Ownership by ECAs and Adjacent Areas

Issues	Hakaluki Haor		Sundarbans		ECA Total	Total
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Having own land	66.4%	13.0%	77.4%	82.5%	72.1%	68.3%
Do not have own land	33.6%	87.0%	22.6%	17.5%	27.9%	31.7%

Table B-2: Amount of Land used for different purposes in ECAs and Adjacent Areas (in Decimal)

Types of Land	Hakaluki Haor		Sundarbans		ECA Total	Total Average
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Land used for House and habitat	5.39	5.30	6.04	5.46	5.779	5.7
Agriculture & home gardening	9.70	10.50	19.37	23.73	18.48	16.9
Livestock & animal husbandry	1.42	1.00	1.78	1.04	1.54	1.5
Small business & enterprise	-	-	4.00		4.00	4.0
Land in pond for fish & water	-	-	15.24	10.75	14.78	14.8
Other	5.57	3.00	0.00	16.00	5.80	5.8

Table B-3: Percentage Distribution of Responses regarding HH Land Ownership by Women Headed HHs and Ethnic Communities in the study areas

Issues	Hahaluki Haor		Sundarbans		Total %	
	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People
Having own land	53.2%	47.1%	67.0%	97.5%	59.4%	74.3%
Do not have own land	46.8%	52.9%	33.0%	2.5%	40.6%	25.7%

Table B-4: Amount of Land used for different purposes in ECAs and Adjacent Areas (in Decimal)

Types of Land	Hakaluki Haor		Sundarbans		ECA Total	Total Average
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Land used for House and habitat	5.39	5.30	6.04	5.46	5.779	5.7
Agriculture & home gardening	9.70	10.50	19.37	23.73	18.48	16.9
Livestock & animal husbandry	1.42	1.00	1.78	1.04	1.54	1.5
Small business & enterprise	-	-	4.00		4.00	4.0
Land in pond for fish & water	-	-	15.24	10.75	14.78	14.8
Other	5.57	3.00	0.00	16.00	5.80	5.8

Table B-5: Percentage Distribution of Responses regarding Types of Agricultural Practices in ECAs and Adjacent Areas

Types of Agricultural Practices	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Crop cultivations	21.0%	11.5%	12.1%	10.9%	16.5%	15.5%
Livestock grazing	10.0%	4.8%	15.6%	21.4%	13.1%	13.0%
Vegetable growing	5.8%	4.3%	5.2%	8.3%	5.9%	5.6%
Fruit Orchard	0.0%	0.0%	0.3%	0.0%	0.1%	0.1%

Types of Agricultural Practices	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Dairy Farming	0.1%	0.0%	0.3%	0.0%	0.1%	0.2%
Poultry farming	28.1%	16.3%	48.1%	36.7%	38.1%	36.7%
Agro forestry	0.8%	0.0%	0.3%	0.0%	0.5%	0.4%
Horticulture and Floriculture	1.1%	0.0%	0.7%	0.0%	0.9%	0.7%
Seed/Seedlings Production	0.2%	0.0%	0.2%	0.0%	0.2%	0.2%
Traditional agricultural practices	5.3%	4.3%	3.4%	3.1%	4.9%	4.2%
Other	50.2%	67.3%	38.4%	45.4%	43.1%	46.0%

Table B-6: Percentage Distribution of Responses regarding Business Activities around the House and Homestead in ECAs and by Project Areas and Adjacent Areas

Types of Agricultural Practices	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	0.4%	0.5%	0.9%	0.9%	0.6%	0.6%
No	99.6%	99.5%	99.1%	99.1%	99.4%	99.4%
Types of Business or Enterprise						
Options	ECA	Adjacent Areas	ECA	Adjacent Areas	ECA Total	Total %
Bike Garage			11.1%		7.1%	5.9%
Fish selling point			11.1%		7.1%	5.9%
Grocery Shop	100.0%	100.0%	44.4%		64.3%	64.7%
Tailoring			11.1%		7.1%	5.9%
Tea Stall			22.2%	100.0%	14.3%	17.6%

C. Access to Clean Energy

Table C-1: Percentage Distribution of Responses regarding Types of Cooking Stoves used by the HHs in ECAs and Adjacent Areas

Types of Cooking Stoves	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Traditional stoves	92.4%	95.2%	99.1%	100.0%	98.9%	96.2%
Bandhu Chula (ICS)	1.1%	0.0%	0.1%	0.0%	0.2%	0.5%
Kerosene stove	-	-	-	-	0.0%	-
LPG stove	6.7%	8.2%	2.4%	0.0%	2.0%	4.3%
Biogas stove	0.1%	0.0%	0.1%	0.0%	0.0%	0.1%
Electric stove	0.0%	0.0%	0.3%	0.0%	0.1%	0.1%
Others	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%

Table C-2: Percentage Distribution of Responses regarding Types of Cooking Fuels used by the HHs in ECAs and Adjacent Areas

Types of Cooking Fuels	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Wood	79.0%	59.2%	53.5%	60.4%	64.0%	63.4%
LPG	1.8%	37.2%	1.6%	0.6%	1.7%	3.7%

Types of Cooking Fuels	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Electricity	0.0%	0.0%	0.2%	0.0%	0.1%	0.1%
Straw/leaf/ cow dung	18.6%	3.7%	41.9%	31.1%	32.3%	30.4%
Don't have to spend any money	0.6%	0.0%	2.9%	7.9%	2.0%	2.4%

Table C-3: Average Monthly Costs of Fuels & Energy used by the HHs in ECAs and Adjacent Areas in BDT

Types of Cooking Fuels	Hakaluki Haor		Sundarbans		ECA Total	Total in BDT	Total average
	ECA	Adjacent Areas	ECA	Adjacent Areas			
Cost of fuel wood for cooking	945.89	927.02	595.20	557.44	775.66	1745672	761.64
Cost of LPG	621.84	1300.00	941.38	700.00	998.04	104200	777.61
Cost of Electricity for Cooking	-	-	200.00	-	200.00	600	200.00
Cost of Straw & leaf of trees	3.84	27.19	18.97	4.38	15.48	15610	14.19
Cost of any other fuel for cooking	1200.00	-	-	-	1200.00	1200	1200.00

Table C-4: Average Monthly Costs of Fuels & Energy used by the Women headed HHs & Ethnic People

Items of Cost of Cooking Fuels	Hakaluki Haor		Sundarbans		Total in BDT	
	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People
Cost of fuel wood for cooking	706.27	282.61	342.77		568.10	340.00
Cost of LPG	875.00				875.00	
Cost of Straw & leaf of trees	25.64	0	15.15		19.05	

Table C-5: Percentage Distribution of Responses regarding the collection of the Cooking Fuels in ECAs and Adjacent Areas

Sources of Cooking Fuels	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Forests (Mangrove or Reserved)	0.0%	0.0%	51.9%	33.3%	45.0%	41.4%
Community Forest	12.5%	0.0%	0.0%	14.8%	1.7%	5.7%
Wetland (Reed Forest)	12.5%	0.0%	3.8%	0.0%	5.0%	3.4%
Homestead/Household Resources	62.5%	0.0%	40.4%	44.4%	43.3%	43.7%
Others	12.5%	0.0%	3.8%	7.4%	5.0%	5.7%

Table C-6: Percentage Distribution of Responses regarding Who collect the Cooking Fuels in ECAs and Adjacent Areas

Types of Persons who collects Cooking Fuels	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Male	51.6%	67.0%	53.8%	55.5%	52.7%	53.8%
Female	28.8%	23.0%	40.4%	40.1%	34.8%	34.5%

Types of Persons who collects Cooking Fuels	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Boy	10.8%	4.2%	4.6%	2.3%	7.6%	7.0%
Girl	5.5%	0.0%	0.9%	0.0%	3.1%	2.6%
Paid labor	3.4%	5.7%	0.3%	2.0%	1.8%	2.1%

Table C-7: Average Time distribution (%) of collecting the Cooking Fuels in ECAs and Adjacent Areas in Minutes

Range and Average Time in Minutes	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Up to 30 Minutes	43.6%	69.2%	45.5%	49.2%	45.1%	46.9%
31-60 Minutes	32.9%	23.1%	35.9%	37.2%	34.6%	33.8%
61-90 Minutes	6.1%	3.8%	6.9%	8.5%	6.5%	6.5%
90-120 Minutes	11.2%	3.8%	10.3%	4.5%	10.1%	9.6%
121 Minutes +	6.2%	0.0%	1.4%	0.5%	3.7%	3.2%
Average Time spent (in Minutes)	55.46	36.12	49.51	42.96	51.82	50.31

Table C-8: Percentage Distribution of Responses regarding Access to Electricity for Lighting and Other Purposes in ECAs and by Project Areas and Adjacent Areas

Types of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECAs	Adjacent Areas	ECAs	Adjacent Areas		
Yes	96.4%	98.6%	97.1%	99.6%	96.8%	97.2%
No	3.6%	1.4%	2.9%	0.4%	3.2%	2.8%

Table C-9: Percentage Distribution of Responses regarding Access to Electricity for Lighting and Other Purposes by the Women Headed HHs and Ethnic People in ECAs and Adjacent Areas

Types of Responses	Hakaluki Haor		Sundarbans		Total %	
	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People
Yes	85.5%	60.9%	84.0%	88.2%	84.8%	79.7%
No	14.5%	39.1%	16.0%	11.8%	15.2%	20.3%

Table C-10: Percentage Distribution of Responses regarding Types and Sources of Electricity in ECAs and Adjacent Areas

Types & Sources of Electricity	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
PDB	15.9%	74.0%	0.8%	0.0%	7.8%	12.3%
BREB	77.2%	23.6%	90.7%	98.3%	84.4%	80.9%
Solar Energy	5.0%	0.0%	6.7%	1.7%	5.9%	5.1%
Others	1.9%	2.4%	1.8%	0.0%	1.9%	1.7%

Table C-11: Average Monthly Cost of Electricity by Types of Electricity/Sources in ECAs and Adjacent Areas

Types & Sources of Electricity	Hakaluki Haor		Sundarbans		ECA Total	Average Total (BDT)
	ECA	Adjacent Areas	ECA	Adjacent Areas		
PDB	376.91	645.00	402.94	381.25	412.32	403.99
REB	351.70	336.30	290.12	302.89	310.35	315.74
Solar Energy	70.32	107.14	48.95	30.00	56.19	56.01
Other	81.92	0.00	11.43	0.00	42.50	48.37

Table C-12: Percentage Distribution Responses regarding the Purpose of Use of Electricity in ECAs and Adjacent Areas

Purposes of Use	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECAs	Adjacent Areas		
Household purpose	99.9%	100.0%	99.4%	99.1%	99.6%	99.6%
Business & enterprise	0.1%	0.0%	0.6%	0.9%	0.4%	0.4%
If Business Purposes: Type of Business and Enterprise						
Types of Business	ECA	Adjacent Areas	ECA	Adjacent Areas	ECA Total	Average Total (BDT)
Agriculture: Irrigation and agro-processing						
Small business: Shops, handicraft & workshop	0.0%		14.3%	50.0%	12.5%	20.0%
Technology related-Charging station	100.0%		85.7%	50.0%	87.5%	80.0%

D. Information on Drinking Water and WASH facilities

Table C-13: Percentage Distribution of Responses regarding Sources Drinking Water in ECAs and by Project Areas and Adjacent Areas

Sources of Drinking Water	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Tap/Piped water	10.5%	69.8%	11.5%	2.1%	11.1%	13.8%
Tube well	82.7%	29.3%	19.4%	43.2%	41.4%	40.9%
Pond and dug-well	6.6%	0.5%	22.1%	18.9%	16.7%	16.0%
River or canal	0.0%	0.5%	3.0%	0.6%	1.9%	1.7%
Rainwater	0.1%	0.0%	33.4%	24.3%	21.8%	20.7%
PSF	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Reverse Osmosis	0.0%	0.0%	0.2%	0.0%	0.1%	0.1%
Other	0.0%	0.0%	10.5%	10.9%	6.8%	6.8%

Table C-14: Percentage Distribution of Responses regarding Ownership of the Drinking Water Systems in ECAs and by Project Areas and Adjacent Areas

Ownership of Drinking Water	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Self	51.3%	33.5%	19.2%	20.3%	33.0%	31.9%
Neighbor	33.1%	30.6%	29.6%	23.9%	31.1%	30.4%
Community	13.1%	27.3%	22.6%	23.6%	18.5%	19.6%
Government	2.4%	8.6%	4.0%	10.9%	3.3%	4.4%
NGOs	0.1%	0.0%	4.5%	12.7%	2.6%	3.3%
Other	0.0%	0.0%	20.1%	8.7%	11.4%	10.4%

Table C-15: Percentage Distribution of Responses regarding Ownership of the Drinking Water Systems of Women headed HH and Ethnic People in ECAs and Adjacent Areas

Ownership of Drinking Water	Hahaluki Haor		Sundarbans		Total %	
	Women headed HHs	Ethnic People	Women headed HHs	Ethnic People	Women headed HHs	Ethnic People
Self	21.0%	34.8%	15.8%	12.3%	18.3%	17.7%
Neighbor	57.3%	0.0%	38.1%	26.0%	47.1%	19.8%
Community	16.1%	60.9%	22.3%	32.9%	19.4%	39.6%
Government	5.6%	4.3%	5.8%	0.0%	5.7%	1.0%
NGOs	0.0%		4.3%		2.3%	
Other	0.0%	0.0%	13.7%	28.8%	7.2%	21.9%

Table C-16: Average Time distribution (%) of collecting Drinking Water in ECAs and Adjacent Areas in Minutes

Range and Average Time in Minutes	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
0 Minutes	7.1%	10.1%	1.9%	2.2%	4.4%	4.7%
1-10 Minutes	64.0%	56.3%	22.0%	29.7%	42.0%	42.1%
11-20 Minutes	22.3%	27.9%	30.2%	24.0%	26.5%	26.4%
20-30 Minutes	5.0%	4.8%	24.6%	25.8%	15.2%	15.3%
31-60 Minutes	1.6%	1.0%	19.6%	17.0%	11.0%	10.8%
61 Minutes +	0.0%	0.0%	1.7%	1.3%	0.9%	0.8%
Average Time spent (in Minutes)	10.06	12.71	25.78	16.93	17.78	17.73

Table C-17: Percentage Distribution of Responses regarding who collect Drinking Water in ECAs and Adjacent Areas

Types of People	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Adult Women	54.5%	54.5%	53.4%	60.2%	53.9%	54.4%
Adult Men	36.4%	35.4%	40.0%	39.8%	38.3%	38.2%
Gils	4.7%	5.3%	3.4%	0.0%	4.0%	3.8%
Boy	4.3%	4.8%	3.2%	0.0%	3.7%	3.5%

Table C-18: Percentage Distribution of Responses regarding Types of Toilets that family members use in ECAs and Adjacent Areas

Types of Toilets	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Flush toilet contended to sewerage line	0.7%	17.3%	0.2%	0.0%	0.4%	1.7%
Flush toilet contended to septic tank or pit	9.2%	10.1%	5.4%	0.0%	7.2%	6.8%
Ventilated improved pit latrines	3.4%	2.4%	2.8%	3.0%	3.1%	3.0%
Pit latrines with slabs	59.9%	52.4%	73.3%	79.1%	66.9%	66.8%
Compositing toilet, including twin pit latrines and container-based systems	0.1%	0.0%	0.4%	0.0%	0.3%	0.2%
Pit latrines without slabs	23.7%	15.9%	17.2%	15.7%	20.3%	19.5%
Hanging latrine	1.8%	1.9%	0.3%	1.7%	1.0%	1.2%
Bucket latrines	0.1%	0.0%	0.1%	0.0%	0.1%	0.1%
Open defecation	1.1%	0.0%	0.3%	0.4%	0.7%	0.6%

E. Climate Information and Early Warning

Table E-1: Percentage Distribution of Responses regarding Awareness/Knowledge about Climate Change in ECAs and Adjacent Areas

Types of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	25.0%	19.2%	43.9%	14.8%	34.9%	31.9%
No	75.0%	80.8%	56.1%	85.2%	65.1%	68.1%

Table E-2: Percentage Distribution of Responses regarding facing Climate Hazards in the last five years in ECAs and Adjacent Areas

Types of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	91.9%	62.0%	97.3%	82.5%	94.7%	91.1%
No	8.1%	38.0%	2.7%	17.5%	5.3%	8.9%

Table E-3: Percentage Distribution of Responses regarding Types of Climate Hazards in ECAs and Adjacent Areas

Types of Hazards	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Cyclone	0.0%	0.0%	14.4%	15.5%	10.0%	9.9%
Drought	3.2%	0.1%	5.3%	7.0%	4.5%	4.5%
Salinity	0.0%	0.0%	7.1%	6.4%	4.5%	4.4%
SLR	0.0%	0.0%	1.4%	0.0%	0.9%	0.8%
Tidal surge	1.2%	0.0%	5.1%	0.1%	3.7%	3.3%
Waterlogging	5.3%	1.6%	5.7%	1.6%	5.5%	5.1%
Flash Flood	9.5%	4.1%	5.6%	0.0%	7.0%	6.4%
Flood	13.9%	9.4%	9.4%	5.8%	11.1%	10.6%
Cold Wave & Fog	9.0%	12.9%	3.0%	8.3%	5.2%	5.8%

Types of Hazards	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Heat Wave	3.7%	7.2%	1.4%	0.7%	2.2%	2.4%
Heavy Rainfall	15.7%	15.6%	7.5%	10.9%	10.5%	10.8%
High Temperature and heat stress	11.4%	21.1%	9.2%	18.2%	10.0%	11.1%
Very Low Temperature and cold wavy	5.3%	7.5%	1.8%	3.6%	3.0%	3.3%
Nor 'wester	16.5%	16.5%	12.8%	18.5%	13.3%	13.8%
/River Erosion	1.3%	0.0%	6.8%	3.5%	4.8%	4.4%
Thunderstorm	3.8%	2.3%	3.6%	0.0%	3.7%	3.4%
Other	0.0%	1.8%	0.0%	0.0%	0.0%	0.1%

Table E-4: Percentage Distribution of Responses regarding Impacts of Climate Change on Livelihoods in ECAs and Adjacent Areas

Impacts on Livelihoods	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Income loss	32.6%	22.3%	32.7%	33.0%	32.7%	32.0%
Loss of livelihood opportunity	28.9%	34.2%	18.5%	11.3%	23.0%	22.7%
Loss of assets	3.9%	2.1%	5.7%	4.7%	4.9%	4.7%
Reduce employment and earning opportunities	3.9%	6.0%	10.4%	7.4%	7.6%	7.5%
Decrease natural resources related to the livelihood	1.3%	0.0%	2.5%	2.0%	2.0%	1.9%
Loss and damage of crops	9.8%	1.6%	4.7%	9.6%	6.9%	6.8%
Increased health risks and medical costs	11.6%	5.4%	21.8%	25.0%	17.4%	17.3%
None	4.8%	16.8%	2.4%	1.0%	3.5%	4.1%
Did not know	3.1%	11.7%	1.2%	6.1%	2.0%	3.0%
Others						

Table E-5: Percentage Distribution of Responses regarding Early Warning of Cyclone in the last five years in ECAs and Adjacent Areas

Type of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	0.0%	0.0%	85.9%	87.4%	87.2%	86%
No	0.0%	0.0%	14.1%	12.6%	12.8%	13.3%

Table E-6: Percentage Distribution of Responses regarding Early Warning of Drought in the last five years in ECAs and Adjacent Areas

Type of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	0.0%	0.0%	13.5%	0.0%	10.0%	8.9%
No	100.0%	100.0%	86.5%	100.0%	90.0%	91.1%

Table E-7: Percentage Distribution of Responses regarding Early Warning of Floods in the last five years in ECAs and Adjacent Areas

Type of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	18.9%	7.8%	50.6%	98.1%	36.0%	37.0%
No	81.1%	92.2%	49.4%	1.9%	64.0%	63.0%

Table E-8: Percentage Distribution of Responses regarding Sources of EWS in ECAs and Adjacent Areas

Sources of EWS	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Family members	11.5%	11.9%	10.3%	10.7%	10.5%	10.5%
Neighbor	27.2%	25.0%	15.0%	20.5%	16.7%	17.2%
Relatives	22.3%	11.9%	9.8%	14.1%	11.5%	11.8%
Religious institution	0.0%	4.8%	2.0%	0.9%	1.7%	1.7%
Government officials	0.0%	0.0%	1.1%	0.0%	0.9%	0.8%
Forum/Group Discussion	0.0%	0.0%	0.7%	0.0%	0.6%	0.5%
National/Community Radio	0.2%	0.0%	1.3%	0.0%	1.2%	1.0%
TV Shows/ DISH Channels	12.2%	21.4%	2.3%	3.3%	3.7%	4.0%
Through newspapers	0.7%	4.8%	0.8%	0.0%	0.8%	0.8%
Leaflet	0.0%	0.0%	0.4%	0.0%	0.4%	0.3%
Message/information on megaphone	0.0%	1.2%	0.1%	0.0%	0.0%	0.1%
Loudspeaker	0.0%	0.0%	0.7%	0.0%	0.6%	0.5%
Miking	0.4%	1.2%	25.6%	26.8%	22.0%	22.1%
Sirens	0.0%	0.0%	8.0%	0.2%	6.9%	6.1%
Wireless	0.0%	0.0%	0.3%	0.0%	0.2%	0.2%
Use of flags for signaling	0.0%	0.0%	8.9%	8.7%	7.6%	7.6%
Mobile SMS/Video Call	0.2%	0.0%	0.1%	1.1%	0.1%	0.2%
Facebook/social media	4.9%	6.0%	1.5%	0.4%	2.0%	1.9%
Specific place of declaration	20.5%	11.9%	11.1%	13.2%	12.4%	12.5%
Billboard	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Table E-9: Percentage Distribution of Responses regarding taking Actions after getting Early Warning in the last five years in ECAs and Adjacent Areas

Type of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	25.4%	4.8%	71.2%	32.3%	49.4%	44.4%
No	74.6%	95.2%	28.8%	67.7%	50.6%	55.6%

Table E-10: Percentage Distribution of Responses regarding Types of Measures taken in ECAs and Adjacent Areas

Types of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Stayed in the home during a climate disaster	25.5%	15.4%	31.7%	14.2%	30.4%	29.3%

Types of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Children, elderly, women, and pregnant women, person with disability of the family have been sent to safe places	15.0%	7.7%	25.0%	19.4%	22.9%	22.6%
Preserved dry food and safe water for drinking	5.5%	7.7%	5.7%	5.2%	5.7%	5.7%
Ensure safe keeping of valuable household assets	1.9%	0.0%	4.4%	0.0%	3.9%	3.6%
Arranged extra money for safety	7.0%	0.0%	6.4%	5.2%	6.6%	6.4%
Steps taken for keeping livestock and poultry safe	6.0%	0.0%	2.5%	0.0%	3.3%	3.1%
Strengthen Repaired houses	37.0%	53.8%	21.3%	41.9%	24.7%	25.9%
Disseminated warnings to other	1.9%	15.4%	2.9%	14.2%	2.7%	3.5%

F. Climate Resilient Livelihood

Table E-11: Percentage Distribution of Responses regarding Livelihood Dependency on NRs in the last five years in ECAs and Adjacent Areas

Type of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	45.7%	38.9%	55.9%	38.4%	54.4%	49.0%
No	51.2%	60.6%	40.8%	61.6%	42.7%	48.3%
Did not respond/ Do not know	3.1%	0.5%	3.3%	0.0%	2.9%	2.7%

Table E-12: Percentage Distribution of Responses regarding on Types of NRs for Livelihood in the last five years in ECAs and Adjacent Areas *

Type of Natural Resources	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Fishing in the <i>Beel</i> or canals	31.1%	5.3%	32.8%	47.7%	32.2%	32.2%
Firewood collection	33.1%	9.1%	15.0%	8.5%	21.3%	19.7%
Pole or timber collection	6.4%	0.5%	6.8%	4.0%	6.7%	6.2%
Shrimp fry and crab collection	0.0%	0.0%	28.9%	31.6%	18.9%	19.0%
Honey collection	0.0%	0.0%	12.0%	0.6%	7.9%	6.9%
Collection of bio-resources	10.2%	0.0%	0.2%	0.0%	3.7%	3.2%
Others	19.3%	85.1%	4.3%	7.6%	9.5%	12.9%

*Note: There could be Multiple Responses

*Table E-13: Percentage Distribution of Responses regarding Coping & Adaptation Measures in the last five years in ECAs and Adjacent Areas**

Type of Adaptation Measures	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Borrowing money	27.8%	25.3%	22.8%	20.4%	24.9%	24.6%
Changed livelihood options	0.4%	0.6%	1.3%	1.0%	0.9%	0.9%
Change the types of crops or vegetables	0.9%	0.0%	1.1%	2.6%	1.0%	1.1%
Change the preference for livestock	0.9%	0.0%	0.9%	3.1%	0.9%	1.1%
Agroforestry	0.1%	0.0%	0.5%	0.3%	0.3%	0.3%
Crop diversification	0.3%	0.0%	0.4%	0.8%	0.4%	0.4%
Vaccinating animals against disease	0.5%	0.0%	0.5%	0.3%	0.5%	0.5%
Nature based solution (tree plantation etc.)	0.1%	0.0%	0.5%	1.3%	0.3%	0.4%
Cut off household expenditure	21.1%	16.7%	26.9%	27.8%	24.5%	24.5%
Depend on the assistance from the other sources	9.7%	11.5%	12.1%	14.7%	11.1%	11.4%
Family members migrate to other place	10.5%	1.7%	15.2%	5.4%	13.3%	12.2%
Use savings	14.1%	14.9%	12.6%	11.6%	13.2%	13.1%
Did nothing	13.5%	29.3%	5.0%	10.8%	8.6%	9.5%

*Note: There could be Multiple Responses

Table E-14: Percentage Distribution of Responses regarding Livelihood Practices changed based on expected changes in climate in the last five years in ECAs and Adjacent Areas

Type of Responses	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Yes	0.3%	0.0%	0.6%	0.0%	0.5%	0.4%
No	99.7%	100.0%	99.4%	100.0%	99.5%	99.6%

*Table E-15: Percentage Distribution of Responses regarding Good & Best Adaptation Measures in the last five years in ECAs and Adjacent Areas**

Type of Measures	Hakaluki Haor		Sundarbans		ECA Total	Total %
	ECA	Adjacent Areas	ECA	Adjacent Areas		
Salt tolerant crops	0.0%		60.0%		42.9%	42.9%
Less water consuming crops	25.0%		30.0%		28.6%	28.6%
Early variety of crops	25.0%		0.0%		7.1%	7.1%
Short duration crops	0.0%		10.0%		7.1%	7.1%
Flood tolerant crops	50.0%		0.0%		14.3%	14.3%

*Note: There could be Multiple Responses

Table F-6: Distribution of steps to protect livelihoods from negative impacts of climate-related shocks and stress

Number of Steps	Hakaluki ECA		Adjacent Hakaluki		Sundarbans ECA		Adjacent Sundarbans		Overall Total		ECA Total	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
None	580	55.7	78	37.5	663	58.0	129	56.3	1450	55.3	1243	56.9
At least 1	289	27.8	26	12.5	377	33.0	66	28.8	758	28.9	666	30.5
At least 2	11	1.1	1	0.5	46	4.0	11	4.8	69	2.6	57	2.6
At least 3	0	0.0	0	0.0	12	1.0	4	1.7	16	0.6	12	0.5

G. Climate Resilient Infrastructures

Table G-1: Percentage Distribution regarding Strengthening Infrastructures considering Climate Hazards in ECAs and Adjacent Areas

		ECA Status				Total ECA	Total
		ECA Hakaluki	Adjacent hakaluki	ECA Sundarbans	Adjacent Sundarbans		
Don't know	Number	43	12	13	31	56	99
	%	4.1%	5.8%	1.1%	13.5%	2.6%	3.8%
No	Number	611	187	637	154	1248	1589
	%	58.7%	89.9%	55.7%	67.2%	57.1%	60.6%
Yes	Number	387	9	494	44	881	934
	%	37.2%	4.3%	43.2%	19.2%	40.3%	35.6%
Total	Number	1041	208	1144	229	2185	2622
	%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table G-2: Percentage Distribution regarding Strengthening Infrastructures considering Climate Hazards by Women headed HHs and Ethnic People in the study area

Types of Responses	Hahaluki Haor		Sundarbans		Total %	
	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People
Yes	38.7%	13.0%	1.0%	43.1%	33.0%	33.8%
No	51.6%	73.9%	73.0%	54.9%	61.2%	60.8%
Don't know	9.7%	13.0%	26.0%	2.0%	5.8%	5.4%

Table G-3: Percentage Distribution regarding Actions taken for Strengthening Infrastructures considering Climate Hazards by All HHs in ECAs and Adjacent Areas

Types of Responses		ECA Status				ECA Total	Total
		ECA Hakaluki	Adjacent hakaluki	ECA Sundarbans	Adjacent Sundarbans		
Reinforced roofing	Number	259	2	355	47	614	663
	Percentage	19.7%	1.0%	22.1%	15.7%	21.0%	19.3%
Structural improvement	Number	195	8	266	25	461	494
	Percentage	14.8%	3.9%	16.5%	8.4%	15.8%	14.4%
Elevation/Plinth raising	Number	206	4	324	53	530	587
	Percentage	15.7%	2.0%	20.1%	17.7%	18.1%	17.1%
Treating trees	Number	119	1	207	49	326	376
	Percentage	9.1%	0.5%	12.9%	16.4%	11.2%	11.0%
Modify house facing/direction	Number	3	0	4	0	7	7
	Percentage	0.2%	0.0%	0.2%	0.0%	0.2%	0.2%
Modify construction materials	Number	3	1	13	1	16	18
	Percentage	0.2%	0.5%	0.8%	0.3%	0.5%	0.5%
tree plantation	Number	13	0	34	0	47	47
	Percentage	1.0%	0.0%	2.1%	0.0%	1.6%	1.4%
Site selection carefully	Number	35	19	78	14	113	146
	Percentage	2.7%	9.3%	4.8%	4.7%	3.9%	4.3%
No specific adaptation	Number	480	169	328	110	808	1087
	Percentage	36.5%	82.4%	20.4%	36.8%	27.6%	31.7%
Other	Number	1	1	0	0	1	2
	Percentage	0.1%	0.5%	0.0%	0.0%	0.0%	0.1%
Total		1314	205	1609	299	2923	3427

Table G-4: Percentage Distribution regarding Actions taken for Strengthening Infrastructures considering Climate Hazards by Women headed HHs and Ethnic People in study areas

Types of Actions	Hakaluki Haor		Sundarbans		Total %	
	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People	Women Headed Household	Ethnic People
Reinforced Roofs	20.1%	21.4%	10.1%	34.7%	15.7%	31.1%
Structural improvement of house	15.1%	7.1%	11.9%	5.3%	13.7%	5.8%
Plinth raising	6.5%	21.4%	16.5%	18.7%	10.9%	19.4%
Treaming trees	9.4%	10.7%	5.5%	34.7%	7.7%	28.2%
Modified house facing	0.7%		0.0%		0.4%	
Modify construction materials	-	3.6%	-	0.0%	-	1.0%
Site selection carefully	2.9%	-	6.4%	-	4.4%	-
No specific action taken	45.3%	35.7%	49.5%	6.7%	47.2%	14.6%

H. Decision Making on Agricultural Production and Marketing

Table H-1 Percentage of women in male headed households participated in agricultural decision making

ECA Areas	Can make decision on agriculture land use	Can share responsibility on agriculture land use	Can make decision on crops cultivation on land	Can make decision on buying agriculture inputs	Feel confident in sharing views on agriculture harvesting	Feel decisions are important in taking agriculture products to market
Hakaluki	17.45	16.67	18.22	16.67	16.67	17.45
Sundarbanss	9.24	7.46	10.37	9.89	9.24	9.40
Total	13.42	12.15	14.38	13.34	13.03	13.50

I. Economic Decision Making at the household and Gender Inclusiveness

Table I-1 Female of male headed households can make economic decision in household level

ECA Areas	Can make decisions in purchasing household items	Can discuss with household members before taking any loan	Can take decisions around purchase of productive assets	Feel confident to share views and interest in making decisions around climate related information and action
Hakaluki	13.71	24.77	14.33	10.59

Sundarbanss	17.67	29.01	15.88	10.05
Total	15.65	26.85	15.09	10.33

J. Participation in Formal and Informal climate-relevant decision-making spaces and processes

Table J-1: Percentage Distribution of Views on Participation in Formal and Informal Institutions at Upazila or UP in the study area

Types of Responses	Hakaluki Haor ECA		Adjacent Hakaluki Haor ECA		Sundarbans ECA		Adjacent Sundarbans ECA		ECA Total		Total %
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	%	
Yes	2	0.2%	0	0.0%	111	9.7%	9	3.9%	113	5.2%	4.7%
No	1039	99.8%	208	100.0%	1033	90.3%	220	96.1%	2072	94.8%	95.3%

Table J-2: Percentage Distribution of Views on Participation in Formal and Informal Institutions by Male Members in the study areas

Types of Responses (Male)	Hakaluki Haor		Sundarbans		Total %
	Number	Percentage	Number	Percentage	
Yes	2	0.2%	106	7.7%	4.1%
No	0	0.0%	14	1.0%	0.5%
No Response	1247	99.8%	1253	91.3%	95.3%

Table 3: Percentage Distribution of Views on Participation in Formal and Informal Institutions by Male Members in the study areas

Types of Responses (Male)	Hakaluki Haor ECA		Adjacent Hakaluki Haor ECA		Sundarbans ECA		Adjacent Sundarbans ECA		ECA Total %	Total %
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage		
Yes	2	0.2%	0	0.0%	99	8.7%	7	3.1%	4.6%	4.1%
No	0	0.0%	0	0.0%	12	1.0%	2	0.9%	0.5%	0.5%
No Response	1039	99.8%	208	100.0%	1033	90.3%	220	96.1%	94.8%	95.3%

Table J-4: Percentage Distribution of Views on Participation in Formal and Informal Institutions by Female Members in the study areas

Types of Responses (Female)	Hakaluki Haor		Sundarbans		ECA Total	Total %
	Number	Percentage	Number	Percentage		
Yes	0	0.0%	40	2.9%	1.7%	1.5%
No	2	0.2%	80	5.8%	3.4%	3.1%
No Response	1247	99.8%	1253	91.3%	94.8%	95.3%

Table 5: Percentage Distribution of Views on Participation in Formal and Informal Institutions by Female Members in the study areas

Types of Responses (Female)	Hakaluki Haor ECA		Adjacent Hakaluki Haor ECA		Sundarbans ECA		Adjacent Sundarbans ECA		ECA Total %	Total %
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage		
Yes	0	0.0%	0	0.0%	38	3.3%	2	0.9%	1.7%	1.5%
No	2	0.2%	0	0.0%	73	6.4%	7	3.1%	3.4%	3.1%
No Response	1039	99.8%	208	100%	1033	90.3%	220	96.1%	94.8%	95.3%

Table J-6: % Distribution of Views on Participation in Decision making of NGOs, INGOs and CSOs in the study areas

Types of Responses	Hakaluki Haor ECA		Adjacent Hakaluki Haor ECA		Sundarbans ECA		Adjacent Sundarbans ECA		ECA Total %	Total %
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage		
Yes	2	0.2%	-	-	111	9.7%	9	3.9%	5.2%	4.7%
No	1039	99.8%	208	100.0%	1033	90.3%	220	96.1%	94.8%	95.3%

Table J-7: Percentage Distribution of Views on Participation in Decision making of NGOs, INGOs and CSOs by Male Members in the study areas

Types of Responses	Hakaluki Haor ECA		Adjacent Hakaluki Haor ECA		Sundarbans ECA		Adjacent Sundarbans ECA		ECA Total	Total %
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage		
Yes	2	100.0%	-	-	98	88.3%	7	77.8%	88.5%	87.7%
No	0	0.0%	-	-	13	11.7%	2	22.2%	11.5%	12.3%

Table J-8: Percentage Distribution of Views on Participation in Decision making of NGOs, INGOs and CSOs by Female Members in the study areas

Types of Responses	Hakaluki Haor ECA		Adjacent Hakaluki Haor ECA		Sundarbans ECA		Adjacent Sundarbans ECA		ECA Total	Total %
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage		
Yes	-	-	-	-	40	36.0%	2	22.2%	35.4%	34.4%
No	2	100.0%	-	-	71	64.0%	7	77.8%	64.6%	65.6%

Table J-9: Percentage Distribution of respondent's communication on sharing opinions, concerns, and demands on attended meetings during last 12 months related to climate action (LLA, EBA, NbS, etc)

Types of Responses	Hakaluki Haor ECA		Adjacent Hakaluki Haor ECA		Sundarbans ECA		Adjacent Sundarbans ECA		ECA Total	Total %
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage		
Yes	1	0.1%	0	0	38	3.3%	0	0	1.8%	1.5%
No	1040	99.9%	208	100%	1106	96.7%	229	100%	98.2%	98.5%