

## Annexure

### Annexure 1

SI No.	Name of block	Block wise number of villages in different classes of drainage density		
		Above 2.00 km/km <sup>2</sup>	0.85 to 2.00 km/km <sup>2</sup>	Below 0.85 km/km <sup>2</sup>
1	Panskura	35	61	136
2	Kolaghat	16	45	50
3	Sahid Matangini	22	28	35
4	Tamluk	7	39	56
5	Moyna	24	31	30
6	Nandakumar	10	39	52
7	Mahisadal	16	33	27
8	Sutahata	16	24	40
9	Haldia	2	12	11
10	Chandipur	21	31	60
11	Nandigram-I	6	28	65
12	Nandigram-II	2	18	20
13	Khejuri-I	5	17	20
14	Khejuri-II	10	25	64
15	Bhagawanpur-I	27	68	72
16	Bhagawanpur-II	35	44	88
17	Contai-I	34	57	137
18	Contai-III	27	45	94
19	Desopran	17	39	113
20	Ramnagar-I	19	27	103
21	Ramnagar-II	15	21	100
22	Egra-I	5	17	112
23	Egra-II	15	21	81
24	Patashpur-I	8	28	102
25	Patashpur-II	11	25	116
<b>Total</b>	<b>25</b>	<b>405</b>	<b>810</b>	<b>1784</b>

**Annexure 2**

SI No.	Name of block	Block wise number of villages in different classes of road density		
		Above 4.19 km/km <sup>2</sup>	1.44 to 4.19 km/km <sup>2</sup>	Below 1.44 km/km <sup>2</sup>
1	Panskura	53	160	17
2	Kolaghat	23	73	13
3	Sahid Matangini	28	51	7
4	Tamluk	28	67	5
5	Moyna	17	59	9
6	Nandakumar	14	85	2
7	Mahisadal	24	49	2
8	Sutahata	26	51	3
9	Haldia	6	19	0
10	Chandipur	45	65	2
11	Nandigram-I	8	86	4
12	Nandigram-II	6	33	1
13	Khejuri-I	2	39	1
14	Khejuri-II	17	66	16
15	Bhagawanpur-I	26	121	18
16	Bhagawanpur-II	17	131	19
17	Contai-I	45	150	31
18	Contai-III	27	126	13
19	Desopran	54	102	12
20	Ramnagar-I	11	96	42
21	Ramnagar-II	18	86	32
22	Egra-I	4	66	64
23	Egra-II	12	75	30
24	Patashpur-I	7	64	67
25	Patashpur-II	6	94	51
<b>Total</b>	<b>25</b>	<b>524</b>	<b>2014</b>	<b>461</b>

### Annexure 3

SI No.	Name of block	Block wise number of villages in different classes of percentage of vegetation cover area, 2019		
		High (Above 22%)	Medium (7% - 22%)	Low (Below 7%)
1	Panskura	160	65	5
2	Kolaghat	93	15	1
3	Sahid Matangini	45	33	8
4	Tamluk	63	34	3
5	Moyna	55	29	1
6	Nandakumar	51	48	2
7	Mahisadal	35	34	6
8	Sutahata	15	51	14
9	Haldia	14	9	2
10	Chandipur	36	60	16
11	Nandigram-I	20	50	28
12	Nandigram-II	9	20	11
13	Khejuri-I	9	23	10
14	Khejuri-II	26	57	16
15	Bhagawanpur-I	38	95	32
16	Bhagawanpur-II	29	92	46
17	Contai-I	66	114	46
18	Contai-III	13	104	49
19	Desopran	53	69	46
20	Ramnagar-I	100	20	29
21	Ramnagar-II	80	36	20
22	Egra-I	70	49	15
23	Egra-II	45	60	12
24	Patashpur-I	74	55	9
25	Patashpur-II	77	64	10
<b>Total</b>	<b>25</b>	<b>1276</b>	<b>1286</b>	<b>437</b>

**Annexure 4**

Sl No.	Name of block	Block wise number of villages in different classes of percentage of fishery area, 2019		
		Above 21%	8% - 21%	Below 8%
1	Panskura	3	6	221
2	Kolaghat	9	10	90
3	Sahid Matangini	14	26	46
4	Tamluk	44	28	28
5	Moyna	46	17	22
6	Nandakumar	16	18	67
7	Mahisadal	4	15	56
8	Sutahata	2	13	65
9	Haldia	1	5	19
10	Chandipur	15	22	75
11	Nandigram-I	8	13	77
12	Nandigram-II	3	8	29
13	Khejuri-I	3	12	27
14	Khejuri-II	13	27	59
15	Bhagawanpur-I	19	34	112
16	Bhagawanpur-II	13	32	122
17	Contai-I	15	34	177
18	Contai-III	22	37	107
19	Desopran	57	40	71
20	Ramnagar-I	20	8	121
21	Ramnagar-II	14	16	106
22	Egra-I	0	0	134
23	Egra-II	0	3	114
24	Patashpur-I	0	3	135
25	Patashpur-II	0	0	151
<b>Total</b>	<b>25</b>	<b>341</b>	<b>429</b>	<b>2229</b>

**Annexure 5**

SI No.	Name of block	Block wise number of villages in different classes of percentage of cultivated land, 2015-16				
		Above 80%	60% - 80%	40% - 60%	20% - 40%	Below 40%
1	Panskura	61	149	18	2	0
2	Kolaghat	38	59	9	1	2
3	Sahid Matangini	7	61	13	2	3
4	Tamluk	17	67	14	1	1
5	Moyna	0	9	21	45	10
6	Nandakumar	20	58	18	5	0
7	Mahisadal	46	19	7	2	1
8	Sutahata	29	44	5	1	1
9	Haldia	1	8	11	5	0
10	Chandipur	73	38	0	0	1
11	Nandigram-I	52	38	7	1	0
12	Nandigram-II	15	23	2	0	0
13	Khejuri-I	34	7	1	0	0
14	Khejuri-II	67	28	3	1	0
15	Bhagawanpur-I	51	60	35	16	3
16	Bhagawanpur-II	46	116	5	0	0
17	Contai-I	112	42	46	14	12
18	Contai-III	105	54	6	1	0
19	Desopran	78	72	13	2	3
20	Ramnagar-I	61	60	8	5	15
21	Ramnagar-II	36	74	23	3	0
22	Egra-I	37	87	9	1	0
23	Egra-II	62	38	12	4	1
24	Patashpur-I	64	64	9	1	0
25	Patashpur-II	59	78	12	1	1
<b>Total</b>	<b>25</b>	<b>1171</b>	<b>1353</b>	<b>307</b>	<b>114</b>	<b>54</b>

**Annexure 6**

SI No.	Name of block	Block wise number of villages in different classes of percentage of gross non ploughed arable land, 2015-16			
		Above 200%	150% - 200%	100% - 150%	Below 100%
1	Panskura	1	5	61	163
2	Kolaghat	1	12	75	21
3	Sahid Matangini	2	8	75	1
4	Tamluk	23	39	36	2
5	Moyna	4	14	19	48
6	Nandakumar	2	22	76	1
7	Mahisadal	0	5	68	2
8	Sutahata	2	39	36	3
9	Haldia	3	9	12	1
10	Chandipur	21	57	34	0
11	Nandigram-I	4	61	32	1
12	Nandigram-II	2	26	12	0
13	Khejuri-I	0	30	12	0
14	Khejuri-II	35	30	21	13
15	Bhagawanpur-I	12	146	7	0
16	Bhagawanpur-II	0	92	75	0
17	Contai-I	166	56	2	2
18	Contai-III	11	94	59	2
19	Desopran	76	82	6	4
20	Ramnagar-I	38	79	31	1
21	Ramnagar-II	27	90	15	4
22	Egra-I	12	112	10	0
23	Egra-II	2	61	52	2
24	Patashpur-I	11	81	44	2
25	Patashpur-II	44	106	1	0
<b>Total</b>	<b>25</b>	<b>499</b>	<b>1356</b>	<b>871</b>	<b>273</b>

**Annexure 7**

Sl No.	Name of block	Block wise number of villages in different classes of Cropping intensity, 2015-16		
		High (Above 150%)	Medium (100% - 150%)	Low (Below 100%)
1	Panskura	224	5	1
2	Kolaghat	96	12	1
3	Sahid Matangini	77	6	3
4	Tamluk	39	40	21
5	Moyna	43	33	9
6	Nandakumar	77	22	2
7	Mahisadal	66	8	1
8	Sutahata	40	38	2
9	Haldia	12	8	5
10	Chandipur	35	61	16
11	Nandigram-I	16	78	4
12	Nandigram-II	12	25	3
13	Khejuri-I	13	29	0
14	Khejuri-II	34	30	35
15	Bhagawanpur-I	0	146	19
16	Bhagawanpur-II	85	82	0
17	Contai-I	3	57	166
18	Contai-III	61	92	13
19	Desopran	10	82	76
20	Ramnagar-I	33	78	38
21	Ramnagar-II	18	88	30
22	Egra-I	1	99	34
23	Egra-II	54	61	2
24	Patashpur-I	42	91	5
25	Patashpur-II	0	98	53
<b>Total</b>	<b>25</b>	<b>1091</b>	<b>1369</b>	<b>539</b>

**Annexure 8**

SI No.	Name of block	Block wise number of villages in different crop combination zone, 2015-16				
		Single crop	Double crops	Three crops	Four crops	Five crops
1	Panskura	0	8	69	131	22
2	Kolaghat	1	18	40	43	7
3	Sahid Matangini	5	35	33	9	4
4	Tamluk	0	20	56	22	2
5	Moyna	0	0	6	16	63
6	Nandakumar	0	52	26	14	9
7	Mahisadal	0	47	23	5	0
8	Sutahata	0	21	53	6	0
9	Haldia	3	7	13	2	0
10	Chandipur	0	47	43	19	3
11	Nandigram-I	0	17	60	18	3
12	Nandigram-II	0	1	15	24	0
13	Khejuri-I	0	0	32	10	0
14	Khejuri-II	0	6	46	35	12
15	Bhagawanpur-I	10	54	73	27	1
16	Bhagawanpur-II	0	104	40	22	1
17	Contai-I	2	19	193	9	3
18	Contai-III	0	84	81	1	0
19	Desopran	0	52	66	35	15
20	Ramnagar-I	14	28	47	35	25
21	Ramnagar-II	1	18	70	31	16
22	Egra-I	50	38	37	9	0
23	Egra-II	0	44	61	12	0
24	Patashpur-I	0	81	57	0	0
25	Patashpur-II	13	65	68	5	0
<b>Total</b>	<b>25</b>	<b>99</b>	<b>866</b>	<b>1308</b>	<b>540</b>	<b>186</b>



**Annexure 9**

Sl No.	Name of block	Block wise number of villages in different classes of Crop diversification, 2015-16		
		High	Medium	Low
1	Panskura	210	19	1
2	Kolaghat	85	23	1
3	Sahid Matangini	50	31	5
4	Tamluk	63	37	0
5	Moyna	79	6	0
6	Nandakumar	56	45	0
7	Mahisadal	17	58	0
8	Sutahata	18	62	0
9	Haldia	10	7	8
10	Chandipur	45	67	0
11	Nandigram-I	22	71	5
12	Nandigram-II	15	25	0
13	Khejuri-I	8	34	0
14	Khejuri-II	41	58	0
15	Bhagawanpur-I	4	93	68
16	Bhagawanpur-II	96	71	0
17	Contai-I	147	76	3
18	Contai-III	16	124	26
19	Desopran	37	100	31
20	Ramnagar-I	75	54	20
21	Ramnagar-II	38	97	1
22	Egra-I	6	51	77
23	Egra-II	27	86	4
24	Patashpur-I	9	128	1
25	Patashpur-II	0	74	77
<b>Total</b>	<b>25</b>	<b>1174</b>	<b>1497</b>	<b>328</b>

**Annexure 10**

Sl No.	Name of block	Block wise number of villages in different basin hydro-system							
		Downstream sub-basin of Rupnarayan-Hooghly	Durbachati sub-basin hydro-system	Downstream sub-basin of Kansabati	Downstream sub-basin of Keleghai-Chandia	Haldi sub-basin hydro-system	Rasulpur basin hydro-system	Pichaboni basin hydro-system	Champa basin hydro-system
1	Panskura	41	30	159	0	0	0	0	0
2	Kolaghat	77	32	0	0	0	0	0	0
3	Sahid Matangini	86	0	0	0	0	0	0	0
4	Tamluk	79	0	21	0	0	0	0	0
5	Moyna	0	0	63	22	0	0	0	0
6	Nandakumar	63	0	2	0	36	0	0	0
7	Mahisadal	62	0	0	0	13	0	0	0
8	Sutahata	80	0	0	0	0	0	0	0
9	Haldia	11*	0	0	0	14*	0	0	0
10	Chandipur	0	0	0	0	108	4	0	0
11	Nandigram-I	0	0	0	0	96	2	0	0
12	Nandigram-II	0	0	0	0	36	4	0	0
13	Khejuri-I	0	0	0	0	0	42	0	0
14	Khejuri-II	0	0	0	0	0	99	0	0
15	Bhagawanpur-I	0	0	0	90	18	57	0	0
16	Bhagawanpur-II	0	0	0	0	2	165	0	0
17	Contai-I	0	0	0	0	0	0	226	0
18	Contai-III	0	0	0	0	0	103	63	0
19	Desopran	0	0	0	0	0	148	20	0
20	Ramnagar-I	0	0	0	0	0	0	4	145
21	Ramnagar-II	0	0	0	0	0	0	91	45
22	Egra-I	0	0	0	0	0	16	8	110
23	Egra-II	0	0	0	0	0	74	32	11
24	Patashpur-I	0	0	0	65	0	73	0	0
25	Patashpur-II	0	0	0	9	0	142	0	0
<b>Total</b>	<b>25</b>	<b>499</b>	<b>62</b>	<b>245</b>	<b>186</b>	<b>323</b>	<b>929</b>	<b>444</b>	<b>311</b>

\*Some wards of Hadia municipality

**Annexure 11**

SI No.	Name of block	Block wise number of villages under different tidal water salinity zone				
		Extremely high	Very high	high	Medium	Low
1	Panskura	0	0	0	0	230
2	Kolaghat	0	0	0	20	89
3	Sahid Matangini	0	0	0	82	4
4	Tamluk	0	0	0	68	32
5	Moyna	0	0	0	44	41
6	Nandakumar	0	0	7	94	0
7	Mahisadal	0	0	42	33	0
8	Sutahata	0	0	80	0	0
9	Haldia	0	0	25	0	0
10	Chandipur	0	0	99	13	0
11	Nandigram-I	0	58	40	0	0
12	Nandigram-II	0	12	28	0	0
13	Khejuri-I	0	42	0	0	0
14	Khejuri-II	74	25	0	0	0
15	Bhagawanpur-I	0	0	57	108	0
16	Bhagawanpur-II	0	51	103	13	0
17	Contai-I	226	0	0	0	0
18	Contai-III	131	35	0	0	0
19	Desopran	162	6	0	0	0
20	Ramnagar-I	149	0	0	0	0
21	Ramnagar-II	136	0	0	0	0
22	Egra-I	87	47	0	0	0
23	Egra-II	48	69	0	0	0
24	Patashpur-I	0	0	24	83	31
25	Patashpur-II	0	34	110	7	0
<b>Total</b>	<b>25</b>	<b>1013</b>	<b>379</b>	<b>615</b>	<b>565</b>	<b>427</b>

**Annexure 12**

SI No.	Name of block	Block wise umber of villages in different categories of soil salinity			
		High	Medium	Slightly	No saline
1	Panskura	0	0	0	230
2	Kolaghat	0	0	0	109
3	Sahid Matangini	0	0	0	86
4	Tamluk	0	0	0	100
5	Moyna	0	0	0	85
6	Nandakumar	0	0	5	96
7	Mahisadal	0	3	49	23
8	Sutahata	0	79	1	0
9	Haldia	0	13	12	0
10	Chandipur	0	15	83	14
11	Nandigram-I	1	97	0	0
12	Nandigram-II	0	40	0	0
13	Khejuri-I	0	30	12	0
14	Khejuri-II	33	66	0	0
15	Bhagawanpur-I	0	17	93	55
16	Bhagawanpur-II	0	81	73	13
17	Contai-I	20	206	0	0
18	Contai-III	0	141	25	0
19	Desopran	16	146	6	0
20	Ramnagar-I	26	123	0	0
21	Ramnagar-II	7	129	0	0
22	Egra-I	0	57	37	40
23	Egra-II	0	59	42	16
24	Patashpur-I	0	0	1	137
25	Patashpur-II	0	0	38	113
<b>Total</b>	<b>25</b>	103	1302	477	1117

**Annexure 13**

Sl No.	Name of block	Block wise number of villages in different categories of salinity level													
		NSS_LSW	NSS_MSW	NSS_HSW	NSS_VHSW	SSS_MSW	SSS_HSW	SSS_VHSW	SSS_EHSW	MSS_MSW	MSS_HSW	MSS_VHSW	MSS_EHSW	HSS_VHSW	HSS_EHSW
1	Panskura	230	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Kolaghat	89	20	0	0	0	0	0	0	0	0	0	0	0	0
3	Sahid Matangini	4	82	0	0	0	0	0	0	0	0	0	0	0	0
4	Tamluk	31	69	0	0	0	0	0	0	0	0	0	0	0	0
5	Moyna	41	44	0	0	0	0	0	0	0	0	0	0	0	0
6	Nandakumar	0	94	2	0	0	5	0	0	0	0	0	0	0	0
7	Mahisadal	0	22	0	0	12	38	0	0	0	3	0	0	0	0
8	Sutahata	0	0	0	0	0	1	0	0	0	79	0	0	0	0
9	Haldia	0	0	0	0	0	12	0	0	0	13	0	0	0	0
10	Chandipur	0	7	7	0	6	78	0	0	0	14	0	0	0	0
11	Nandigram-I	0	0	0	0	0	0	0	0	0	40	57	0	1	0
12	Nandigram-II	0	0	0	0	0	0	0	0	0	28	12	0	0	0
13	Khejuri-I	0	0	0	0	0	0	13	0	0	0	29	0	0	0
14	Khejuri-II	0	0	0	0	0	0	0	0	0	0	24	42	1	32
15	Bhagawanpur-I	0	51	4	0	55	38	0	0	3	14	0	0	0	0
16	Bhagawanpur-II	0	3	10	0	10	54	9	0	0	39	42	0	0	0
17	Contai-I	0	0	0	0	0	0	0	0	0	0	0	206	0	20
18	Contai-III	0	0	0	0	0	0	0	25	0	0	35	106	0	0
19	Desopran	0	0	0	0	0	0	0	6	0	0	6	140	0	16
20	Ramnagar-I	0	0	0	0	0	0	0	0	0	0	0	122	0	27
21	Ramnagar-II	0	0	0	0	0	0	0	0	0	0	0	129	0	7
22	Egra-I	0	0	0	40	0	0	7	30	0	0	0	57	0	0
23	Egra-II	0	0	0	16	0	0	37	5	0	0	17	42	0	0
24	Patashpur-I	31	82	24	0	1	0	0	0	0	0	0	0	0	0
25	Patashpur-II	0	7	93	13	0	17	21	0	0	0	0	0	0	0
<b>Total</b>	<b>25</b>	<b>426</b>	<b>481</b>	<b>140</b>	<b>69</b>	<b>84</b>	<b>243</b>	<b>87</b>	<b>66</b>	<b>3</b>	<b>230</b>	<b>222</b>	<b>844</b>	<b>2</b>	<b>102</b>

**Annexure 14**

SI No.	Name of block	Block wise number of villages for suitability level of fishery			
		Very high suitable	High suitable	Moderate suitable	Low suitable
1	Panskura	5	52	132	41
2	Kolaghat	2	18	75	14
3	Sahid Matangini	4	14	56	12
4	Tamluk	9	30	53	8
5	Moyna	10	30	40	5
6	Nandakumar	5	16	74	6
7	Mahisadal	0	21	45	9
8	Sutahata	9	27	35	9
9	Haldia	2	11	12	0
10	Chandipur	35	41	33	3
11	Nandigram-I	16	33	45	4
12	Nandigram-II	9	14	16	1
13	Khejuri-I	10	12	20	0
14	Khejuri-II	21	37	40	1
15	Bhagawanpur-I	41	69	53	2
16	Bhagawanpur-II	23	62	81	1
17	Contai-I	85	96	41	4
18	Contai-III	56	55	55	0
19	Desopran	74	53	36	5
20	Ramnagar-I	26	38	81	4
21	Ramnagar-II	32	64	36	4
22	Egra-I	27	76	29	2
23	Egra-II	19	40	58	0
24	Patashpur-I	19	54	62	3
25	Patashpur-II	29	86	35	1
<b>Total</b>	<b>25</b>	<b>568</b>	<b>1049</b>	<b>1243</b>	<b>139</b>

## Annexure 15 Some Field Photograph



1. Flower cultivation



2. Vagary of rainfall



3. Water logging



4. Fishery



5. Soil erosion due to fishery



6. Laboratory analysis of soil and water sample