

CHAPTER- 7
IRRIGATION & WATER RESOURCES

IRRIGATION & WATER RESOURCES IN ASSAM, 2016-17

Gross Area Irrigated (in hect.)	224777
Net Area Irrigated (in hect.)	181355
Irrigation potential created through Govt. Irrigation Schemes (Major & Medium+Minor) (in hect.)	804335

Table 7.1- District-wise category-wise Irrigation potential in Assam during 2015-16 and 2016-17

(Area in hect.)

District	Major & Medium					
	Surface Flow		Surface Lift		Total	
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
Kokrajhar	20312	20952	-	-	20312	20952
Dhubri	-	-	-	-	-	-
Goalpara	-	-	-	-	-	-
Barpeta	30741	30741	-	-	30741	30741
Morigaon	-	-	-	-	-	-
Nagaon	42754	42754	43088	43088	85842	85842
Sonitpur	32655	32655	-	-	32655	32655
Lakhimpur	-	-	-	-	-	-
Dhemaji	-	-	-	-	-	-
Tinsukia	-	-	-	-	-	-
Dibrugarh	-	-	4153	4153	4153	4153
Sivasagar	-	-	-	-	-	-
Jorhat	-	-	-	-	-	-
Golaghat	-	-	-	-	-	-
Karbi Anglong	5660	5660	3977	3977	9637	9637
Dima Hasao	-	-	-	-	-	-
Cachar	-	-	-	-	-	-
Karimganj	-	-	-	-	-	-
Hailakandi	-	-	-	-	-	-
Bongaigaon	-	-	-	-	-	-
Chirang	-	-	-	-	-	-
Kamrup	-	-	-	-	-	-
Kamrup Metro	-	-	-	-	-	-
Nalbari	-	-	-	-	-	-
Baksa	29185	29185	-	-	29185	29185
Darrang	-	-	-	-	-	-
Udalguri	66258	66258	-	-	66258	66258
Assam	227565	228205	51218	51218	278783	279423

Note: Deep Tube Well and Shallow Tube well under Major & Medium schemes are nil for all Districts.

Source: Chief Engineer Irrigation Department, Assam

TABLE 7.01 CONTD..

(Area in
hect.)

District	Minor									
	Surface Flow		Surface Lift		Deep Tube Well		Shallow Tube Well		Total	
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
Kokrajhar	25010	26870	4694	4694	942	942	115	115	30761	32621
Dhubri	1189	1209	13123	13123	3011	3050	821	821	18144	18203
Goalpara	7614	7894	2768	2768	3588	3768	188	188	14158	14618
Barpeta	1840	2010	12845	12845	1059	1119	229	229	15973	16203
Morigaon	3835	3835	10875	10875	1102	1102	1141	1141	16953	16953
Nagaon	6848	6848	9768	9784	1789	1819	488	488	18893	18939
Sonitpur	20128	20368	5830	6830	3146	3396	1226	1226	30330	31820
Lakhimpur	1353	1353	3080	3080	5088	5088	3568	3568	13089	13089
Dhemaji	270	1325	3580	3580	1333	1405	2363	2363	7546	8673
Tinsukia	566	566	2768	2768	2804	2804	447	447	6585	6585
Dibrugarh	-	-	9849	9849	1674	2694	2360	2360	13883	14903
Sivasagar	716	716	13287	13287	2565	3034	425	425	16993	17462
Jorhat	5509	5509	3192	3192	4682	5022	2245	2245	15628	15968
Golaghat	2400	2400	11337	11337	4378	4618	472	472	18587	18827
Karbi Anglong	51526	51526	9148	9148	957	957	672	672	62303	62303
Dima Hasao	5306	5306	1984	1984	-	-	-	-	7290	7290
Cachar	4997	4997	7354	7354	240	240	30	30	12621	12621
Karimganj	8205	8205	1891	1891	394	394	-	-	10490	10490
Hailakandi	2145	2145	3442	3442	102	102	-	-	5689	5689
Bongaigaon	3604	3604	3118	3118	1475	1475	315	469	8512	8666
Chirang	21650	22685	518	518	830	830	-	-	22998	24033
Kamrup	16892	19125	5602	5602	2243	2423	399	399	25136	27549
Kamrup Metro	1690	1690	3717	3717	-	-	-	-	5407	5407
Nalbari	-	-	4033	4033	3022	3170	940	940	7995	8143
Baksa	15932	15932	3215	3315	669	669	-	-	19816	19916
Darrang	7090	7090	3010	3010	1761	2196	270	270	12131	12566
Udalguri	63943	73252	150	150	1060	1175	798	798	65951	75375
Assam	280258	296460	154178	155294	49914	53492	19512	19666	503862	524912

Table 7.2- District-wise area covered under major/ medium projects and minor irrigation schemes in Assam during 2015-16 and 2016-17

(Area in hect.)

District	Area Irrigated During 2015-16				Area Irrigated During 2016-17 (P)			
	Minor	Medium	Major	Total	Minor	Medium	Major	Total
Kokrajhar	5367	2800	5248	13415	4907	2800	5460	13167
Dhubri	267	-	-	267	242	-	-	242
Goalpara	2274	-	-	2274	1602	-	-	1602
Barpeta	2687	6700	-	9387	785	4600	-	5385
Morigaon	979	-	-	979	805	-	-	805
Nagaon	2690	60	25635	28385	2587	50	21509	24146
Sonitpur	12906	-	6500	19406	6059	-	7501	13560
Lakhimpur	390	-	-	390	619	-	-	619
Dhemaji	602	-	-	602	107	-	-	107
Tinsukia	396	-	-	396	359	-	-	359
Dibrugarh	786	200	-	986	245	30	-	275
Sivasagar	487	-	-	487	1305	-	-	1305
Jorhat	1168	-	-	1168	366	-	-	366
Golaghat	1726	-	-	1726	980	-	-	980
Karbi Anglong	38979	1075	-	40054	36303	1018	-	37321
Dima Hasao	3826	-	-	3826	4115	-	-	4115
Cachar	3849	-	-	3849	758	-	-	758
Karimganj	3976	-	-	3976	135	-	-	135
Hailakandi	297	-	-	297	317	-	-	317
Bongaigaon	1648	-	-	1648	1458	-	-	1458
Chirang	12937	-	5096	18033	12596	-	2279	14875
Kamrup	2752	-	-	2752	3305	-	-	3305
Kamrup Metro	3585	-	-	3585	3386	-	-	3386
Nalbari	328	-	-	328	248	-	-	248
Baksa	7626	3400	6618	17644	6945	2725	1430	11100
Darrang	5366	-	-	5366	6064	-	-	6064
Udalguri	33700	1113	13250	48063	47927	1255	29595	78777
Assam	151594	15348	62347	229289	144525	12478	67774	224777

Source: Chief Engineer Irrigation Department, Assam

Table 7.3- District-wise length of irrigation canals/ channels in Assam during 2015-16 and 2016-17

(in Km)

District	Length of Irrigation Canals/Channels, upto 2015-16			Length of Irrigation Canals/Channels, upto 2016-17(P)		
	Constructed	Lined	Pipe	Constructed	Lined	Pipe
Kokrajhar	532.59	139.30	0	541.44	140.30	0
Dhubri	215.69	46.85	23.34	222.73	49.28	23.34
Goalpara	201.12	72.12	29.80	203.53	76.30	29.80
Barpeta	601.43	75.02	0	611.58	75.02	0
Morigaon	218.32	156.75	13.26	201.89	157.36	13.68
Nagaon	1777.47	488.69	19.18	1892.74	491.94	20.86
Sonitpur	456.87	74.99	36.26	491.09	73.84	71.30
Lakhimpur	183.09	25.99	125.99	195.58	25.99	125.99
Dhemaji	43.13	14.25	0	47.64	20.14	0
Tinsukia	73.37	28.29	0	74.81	34.47	0
Dibrugarh	92.76	32.60	0.06	92.76	32.60	0.06
Sivasagar	238.39	57.38	102.74	228.94	48.18	97.88
Jorhat	206.95	21.46	152.52	228.58	22.80	163.55
Golaghat	162.45	36.35	65.59	176.43	35.53	83.23
Karbi Anglong	1610.36	208.45	18.63	1618.71	208.45	21.56
Dima Hasao	276.02	29.76	1.52	291.79	29.76	1.53
Cachar	87.31	18.89	21.32	87.31	18.89	21.32
Karimganj	60.06	31.86	6.67	60.06	31.86	6.67
Hailakandi	49.65	35.38	3.94	49.65	35.38	3.94
Bongaigaon	62.50	5.10	0	62.50	5.10	0
Chirang	298.34	23.96	0	320.15	44.43	0.71
Kamrup	275.36	173.27	22.67	290.18	166.52	22.65
Kamrup Metro	112.48	82.19	14.60	159.66	88.67	0
Nalbari	51.74	26.54	0.58	51.74	26.54	0.58
Baksa	315.62	23.57	0.01	302.33	23.57	0.01
Darrang	146.87	22.52	30.28	150.37	22.52	30.28
Udalguri	1040.03	78.82	3.62	1089.44	92.08	4.46
Assam	9389.97	2030.35	692.58	9743.63	2077.52	743.40

Source: Chief Engineer Irrigation Department, Assam

Table 7.4- District-wise season-wise area irrigated in Assam during 2015-16 and 2016-17

(Through Govt. Surface Lift Irrigation Schemes)

(Area in hect.)

District	Area Irrigated 2015-16		Area Irrigated 2016-17 (P)	
	Kharif	Rabi & Pre Kharif	Kharif	Rabi & Pre Kharif
Kokrajhar	253	15	268	58
Dhubri	10	192	4	163
Goalpara	9	22	22	50
Barpeta	2410	-	353	160
Morigaon	194	421	128	559
Nagaon	3271	644	489	983
Sonitpur	853	58	430	68
Lakhimpur	182	17	58	65
Dhemaji	200	-	2	7
Tinsukia	13	-	5	8
Dibrugarh	855	-	85	-
Sivasagar	128	2	211	-
Jorhat	555	23	8	20
Golaghat	239	70	37	30
Karbi Anglong	558	774	691	786
Dima Hasao	-	-	-	-
Cachar	1074	40	-	90
Karimganj	226	10	-	62
Hailakandi	70	76	90	76
Bongaigaon	25	-	25	2
Chirang	-	84	-	80
Kamrup	762	62	383	71
Kamrup Metro	620	1900	595	2470
Nalbari	68	21	46	25
Baksa	140	-	1530	14
Darrang	20	5	69	5
Udalguri	1180	-	-	-
Assam	13915	4436	5529	5852

Source: Chief Engineer Irrigation Department, Assam

Table 7.5- Irrigation Potential utilized in Assam during 2015-16 and 2016-17

(Area in hect.)

District	Kharif		Rabi & Pre Kharif		Total	
	2015-16	2016-17(P)	2015-16	2016-17(P)	2015-16	2016-17(P)
Kokrajhar	13317	13069	98	98	13415	13167
Dhubri	38	45	229	197	267	242
Goalpara	1930	1142	344	460	2274	1602
Barpeta	9387	4957	-	428	9387	5385
Morigaon	270	185	709	620	979	805
Nagaon	24725	22689	3660	1457	28385	24146
Sonitpur	19322	13444	84	116	19406	13560
Lakhimpur	329	375	61	244	390	619
Dhemaji	602	10	-	97	602	107
Tinsukia	396	308	-	51	396	359
Dibrugarh	986	265	-	10	986	275
Sivasagar	398	1289	89	16	487	1305
Jorhat	1100	139	68	227	1168	366
Golaghat	1242	499	484	481	1726	980
Karbi Anglong	18857	15181	21197	22140	40054	37321
Dima Hasao	3826	4115	-	-	3826	4115
Cachar	3656	367	193	391	3849	758
Karimganj	3844	22	132	113	3976	135
Hailakandi	152	172	145	145	297	317
Bongaigaon	727	727	921	731	1648	1458
Chirang	15199	12054	2834	2821	18033	14875
Kamrup	2356	2664	396	641	2752	3305
Kamrup Metro	1225	913	2360	2473	3585	3386
Nalbari	253	168	75	80	328	248
Baksa	15631	9871	2013	1229	17644	11100
Darrang	4684	5382	682	682	5366	6064
Udalguri	43467	61903	4596	16874	48063	78777
Assam	187919	171955	41370	52822	229289	224777

P = Provisional.

Source: Chief Engineer Irrigation Department, Assam

Table 7.6- Gross area irrigated under Govt irrigation facilities in Assam during 2015-16 and 2016-17

(Area in Hect.)

#	District	Surface Lift		Surface Flow		Ground Water Lift	
		2015-16	2016-17 (P)	2015-16	2016-17 (P)	2015-16	2016-17 (P)
1	Kokrajhar	268	326	13133	12805	14	36
2	Dhubri	202	167	-	-	65	75
3	Goalpara	31	72	1992	1342	251	188
4	Barpeta	2410	513	6710	4720	267	152
5	Morigaon	838	687	58	63	83	55
6	Nagaon	3692	1472	24481	22293	212	381
7	Sonitpur	911	498	17951	12679	544	383
8	Lakhimpur	199	123	6	-	185	496
9	Dhemaji	200	9	96	7	306	91
10	Tinsukia	13	13	250	250	133	96
11	Dibrugarh	855	85	-	-	131	190
12	Sivasagar	130	211	124	170	233	924
13	Jorhat	578	28	105	81	485	257
14	Golaghat	309	67	851	455	566	458
15	Karbi Anglong	1332	1477	38027	35149	695	695
16	Dima Hasao	-	-	3826	4115	-	-
17	Cachar	1114	90	2710	668	25	-
18	Karimganj	236	62	3655	64	85	9
19	Hailakandi	146	166	151	151	-	-
20	Bongaigaon	25	27	650	700	973	731
21	Chirang	84	80	17949	14795	-	-
22	Kamrup	824	454	1597	2424	331	427
23	Kamrup Metro	2520	3065	1065	321	-	-
24	Nalbari	89	71	-	-	239	177
25	Baksa	140	1544	17480	9520	24	36
26	Darrang	25	74	5081	5411	260	579
27	Udalguri	1180	-	46883	78772	-	5
Assam		18351	11381	204831	206955	6107	6441

P = Provisional.

* The total may be treated as Surface Lift, Surface Flow and Ground Water Lift or Canals and Tubewells.

Source: Chief Engineer Irrigation Department, Assam

TABLE-7.06 CONTD...

(Area in Hect.)

#	District	Canals		Tube Wells		Total	
		2015-16	2016-17 (P)	2015-16	2016-17 (P)	2015-16	2016-17 (P)
1	Kokrajhar	13401	13131	14	36	13415	13167
2	Dhubri	202	167	65	75	267	242
3	Goalpara	2023	1414	251	188	2274	1602
4	Barpeta	9120	5233	267	152	9387	5385
5	Morigaon	896	750	83	55	979	805
6	Nagaon	28173	23765	212	381	28385	24146
7	Sonitpur	18862	13177	544	383	19406	13560
8	Lakhimpur	205	123	185	496	390	619
9	Dhemaji	296	16	306	91	602	107
10	Tinsukia	263	263	133	96	396	359
11	Dibrugarh	855	85	131	190	986	275
12	Sivasagar	254	381	233	924	487	1305
13	Jorhat	683	109	485	257	1168	366
14	Golaghat	1160	522	566	458	1726	980
15	Karbi Anglong	39359	36626	695	695	40054	37321
16	Dima Hasao	3826	4115	0	-	3826	4115
17	Cachar	3824	758	25	-	3849	758
18	Karimganj	3891	126	85	9	3976	135
19	Hailakandi	297	317	0	-	297	317
20	Bongaigaon	675	727	973	731	1648	1458
21	Chirang	18033	14875	0	-	18033	14875
22	Kamrup	2421	2878	331	427	2752	3305
23	Kamrup Metro	3585	3386	0	-	3585	3386
24	Nalbari	89	71	239	177	328	248
25	Baksa	17620	11064	24	36	17644	11100
26	Darrang	5106	5485	260	579	5366	6064
27	Udalguri	48063	78772	0	5	48063	78777
Assam		223182	218336	6107	6441	229289	224777

P = Provisional.

* The total may be treated as Surface Lift, Surface Flow and Ground Water Lift or Canals and Tubewells.

Source: Chief Engineer Irrigation Department, Assam

Table 7.7- Sector-wise irrigation potential created in Assam during 2016-17

					(Area in hect.)
District	Minor Irrigation	Major/ Medium Irrigation	Total	Through ASMIDC (STW/LLP)*	Grand Total
Kokrajhar	32621	20952	53573	**The Shallow Tubewells and Low Lift points installed through Assam State Minor Irrigation Development Corporation Ltd. are very old and the Irrigation potential of 1,49,205 hectare created by the Corporation has been treated as lost potential.	53573
Dhubri	18203	-	18203		18203
Goalpara	14618	-	14618		14618
Barpeta	16203	30741	46944		46944
Morigaon	16953	-	16953		16953
Nagaon	18939	85842	104781		104781
Sonitpur	31820	32655	64475		64475
Lakhimpur	13089	-	13089		13089
Dhemaji	8673	-	8673		8673
Tinsukia	6585	-	6585		6585
Dibrugarh	14903	4153	19056		19056
Sivasagar	17462	-	17462		17462
Jorhat	15968	-	15968		15968
Golaghat	18827	-	18827		18827
Karbi Anglong	62303	9637	71940		71940
Dima Hasao	7290	-	7290		7290
Cachar	12621	-	12621		12621
Karimganj	10490	-	10490		10490
Hailakandi	5689	-	5689		5689
Bongaigaon	8666	-	8666		8666
Chirang	24033	-	24033		24033
Kamrup	27549	-	27549		27549
Kamrup Metro	5407	-	5407		5407
Nalbari	8143	-	8143		8143
Baksa	19916	29185	49101		49101
Darrang	12566	-	12566		12566
Udalguri	75375	66258	141633		141633
Assam	524912	279423	804335		804335

ASMIDC = Assam State Minor Irrigation Development Corporation.

Source: Chief Engineer Irrigation Department, Assam

Table 7.8- Additional Irrigation Potential created in Assam during 2016-17

(Area in hect.)

District	Minor Irrigation	Major/Medium Irrigation	Total M.I. & M/M Irrigation	Revival of lost potential	Total (AP+RLP)
Kokrajhar	1860	640	2500	-	2500
Dhubri	59	-	59	-	59
Goalpara	460	-	460	-	460
Barpeta	230	-	230	-	230
Morigaon	-	-	-	-	-
Nagaon	46	-	46	-	46
Sonitpur	1490	-	1490	-	1490
Lakhimpur	-	-	-	-	-
Dhemaji	1127	-	1127	-	1127
Tinsukia	-	-	-	-	-
Dibrugarh	1020	-	1020	-	1020
Sivasagar	469	-	469	-	469
Jorhat	340	-	340	-	340
Golaghat	240	-	240	-	240
Karbi Anglong	-	-	-	-	-
Dima Hasao	-	-	-	-	-
Cachar	-	-	-	-	-
Karimganj	-	-	-	-	-
Hailakandi	-	-	-	-	-
Bongaigaon	154	-	154	-	154
Chirang	1035	-	1035	-	1035
Kamrup	2413	-	2413	-	2413
Kamrup Metro	-	-	-	-	-
Nalbari	148	-	148	-	148
Baksa	100	-	100	-	100
Darrang	435	-	435	-	435
Udalguri	9424	-	9424	-	9424
Assam	21050	640	21690	-	21690

A=Additional, P=Potential, R=Revival, L=Lost.

Source: Chief Engineer Irrigation Department, Assam

Table 7.9- District-wise season-wise area irrigated in Assam during 2015-16 and 2016-17

(Area in hect.)

District	Kharif		Rabi & Pre-Kharif		Total	
	2015-16	2016-17 (P)	2015-16	2016-17 (P)	2015-16	2016-17 (P)
Kokrajhar	13317	13069	98	98	13415	13167
Dhubri	38	45	229	197	267	242
Goalpara	1930	1142	344	460	2274	1602
Barpeta	9387	4957	-	428	9387	5385
Morigaon	270	185	709	620	979	805
Nagaon	24725	22689	3660	1457	28385	24146
Sonitpur	19322	13444	84	116	19406	13560
Lakhimpur	329	375	61	244	390	619
Dhemaji	602	10	-	97	602	107
Tinsukia	396	308	-	51	396	359
Dibrugarh	986	265	-	10	986	275
Sivasagar	398	1289	89	16	487	1305
Jorhat	1100	139	68	227	1168	366
Golaghat	1242	499	484	481	1726	980
Karbi Anglong	18857	15181	21197	22140	40054	37321
Dima Hasao	3826	4115	-	-	3826	4115
Cachar	3656	367	193	391	3849	758
Karimganj	3844	22	132	113	3976	135
Hailakandi	152	172	145	145	297	317
Bongaigaon	727	727	921	731	1648	1458
Chirang	15199	12054	2834	2821	18033	14875
Kamrup	2356	2664	396	641	2752	3305
Kamrup Metro	1225	913	2360	2473	3585	3386
Nalbari	253	168	75	80	328	248
Baksa	15631	9871	2013	1229	17644	11100
Darrang	4684	5382	682	682	5366	6064
Udalguri	43467	61903	4596	16874	48063	78777
Assam	187919	171955	41370	52822	229289	224777

P = Provisional.

Source: Chief Engineer Irrigation Department, Assam

Table 7.10- District-wise net area irrigated in Assam during 2015-16 and 2016-17

(Area in hect.)

District	2015-16	2016-17 (P)
Kokrajhar	13317	13069
Dhubri	229	197
Goalpara	1930	1142
Barpeta	9387	4957
Morigaon	709	620
Nagaon	24725	22689
Sonitpur	19322	13444
Lakhimpur	329	375
Dhemaji	602	97
Tinsukia	396	308
Dibrugarh	986	265
Sivasagar	398	1289
Jorhat	1100	227
Golaghat	1242	499
Karbi Anglong	21197	22140
Dima Hasao	3826	4115
Cachar	3656	391
Karimganj	3844	113
Hailakandi	152	172
Bongaigaon	921	731
Chirang	15199	12054
Kamrup	2356	2664
Kamrup Metro	2360	2473
Nalbari	253	168
Baksa	15631	9871
Darrang	4684	5382
Udalguri	43467	61903
Assam	192218	181355

P = Provisional.

Source: Chief Engineer Irrigation Department, Assam

Table 7.11- Crop season-wise area irrigated in Assam during 2015-16

(Area in hect.)

#	District	Kharif Crop Season								
		Regular Ahu	Sali Traditional	Sali HYV	Bao Paddy	Maize	Jute	Sugarcane	Others	Total
1	Kokrajhar		13317							13317
2	Dhubri		34						4	38
3	Goalpara		1850	55					25	1930
4	Barpeta		9309				78			9387
5	Morigaon		270							270
6	Nagaon		20052	4663					10	24725
7	Sonitpur		18998	324						19322
8	Lakhimpur		246	19	49				15	329
9	Dhemaji		439	163						602
10	Tinsukia		396							396
11	Dibrugarh		986							986
12	Sivasagar		115	283						398
13	Jorhat		1100							1100
14	Golaghat		1	1241						1242
15	Karbi Anglong		8982	6086	731	2644		414		18857
16	Dima Hasao		3826							3826
17	Cachar		3656							3656
18	Karimganj		1353	2491						3844
19	Hailakandi		152							152
20	Bongaigaon		496	200			21		10	727
21	Chirang		13059	2140						15199
22	Kamrup		2352	2			2			2356
23	Kamrup Metro		1225							1225
24	Nalbari		245	8						253
25	Baksa	20	8688	6270					653	15631
26	Darrang		4684							4684
27	Udalguri		39027	4410		10		20		43467
	Assam	20	154858	28355	780	2654	101	434	717	187919

Sali HYV = Sali High Yielding Variety.

Source: Chief Engineer Irrigation Department, Assam

TABLE 7.11 CONTD...

(Area in hect.)

District	Rabi & Pre Kharif Crop Season									Grand Total
	Early Ahu	Ahu HYV	Wheat	Boro Paddy	Oil-Seeds	Pulses	Sugarcane	Others	Total	
Kokrajhar	98								98	13415
Dhubri	229								229	267
Goalpara	176			87	8			73	344	2274
Barpeta									0	9387
Morigaon				709					709	979
Nagaon	478	1190		234	10			1748	3660	28385
Sonitpur	61			21	1			1	84	19406
Lakhimpur		8		14	22		10	7	61	390
Dhemaji									0	602
Tinsukia									0	396
Dibrugarh										986
Sivasagar	40	48						1	89	487
Jorhat					2			66	68	1168
Golaghat	366			118					484	1726
Karbi Anglong	13003	4528		2804			852	10	21197	40054
Dima Hasao										3826
Cachar				180				13	193	3849
Karimganj	55			49				28	132	3976
Hailakandi	30	107			2			6	145	297
Bongaigaon	268	373		28	43	35		174	921	1648
Chirang	157	232		369	1083	788		205	2834	18033
Kamrup	191			122	3			80	396	2752
Kamrup Metro				2360					2360	3585
Nalbari	73				1			1	75	328
Baksa				2	1629			382	2013	17644
Darrang	48	30	10	554	35	5			682	5366
Udalguri	450	3300	69	595	182				4596	48063
Assam	15723	9816	79	8246	3021	828	862	2795	41370	229289

Sali HYV = Sali High Yielding Variety.

Source: Chief Engineer Irrigation Department, Assam

Table 7.12- Crop season-wise area irrigated in Assam during 2016-17

#	District	Kharif Crop Season								
		Regular Ahu	Sali Traditional	Sali HYV	Bao Paddy	Maize	Jute	Sugarcane	Others	Total
1	Kokrajhar		13069							13069
2	Dhubri		40	5						45
3	Goalpara		1077	50			10		5	1142
4	Barpeta		4957							4957
5	Morigaon		185							185
6	Nagaon		7117	15542	13				17	22689
7	Sonitpur		8839	4605						13444
8	Lakhimpur		324	15	10				26	375
9	Dhemaji	4							6	10
10	Tinsukia		308							308
11	Dibrugarh		265							265
12	Sivasagar		546	743						1289
13	Jorhat		130						9	139
14	Golaghat		22	397	80					499
15	Karbi Anglong	2794	6835	3019	1410	600	15	508		15181
16	Dima Hasao		4115							4115
17	Cachar		367							367
18	Karimganj		22							22
19	Hailakandi		162		10					172
20	Bongaigaon		496	200			21		10	727
21	Chirang		9914	2140						12054
22	Kamrup		2648	4					12	2664
23	Kamrup Metro		913							913
24	Nalbari		119	48					1	168
25	Baksa		6487	3259					125	9871
26	Darrang	71	5301		10					5382
27	Udalguri	100	51913	9590			300			61903
	Assam	2969	126171	39617	1533	600	346	508	211	171955

Sali HYV = Sali High Yielding Variety.

Source: Chief Engineer Irrigation Department, Assam

TABLE 7.12 CONTD..

District	Rabi & Pre Kharif Crop Season									Grand Total
	Early Ahu	Ahu HYV	Wheat	Boro Paddy	Oil-Seeds	Pulses	Sugarcane	Others	Total	
Kokrajhar	98								98	13167
Dhubri	188	8						1	197	242
Goalpara	25		3	340	21	5	56	10	460	1602
Barpeta	298		10		50	70			428	5385
Morigaon				620					620	805
Nagaon	80			1310				67	1457	24146
Sonitpur				112	1			3	116	13560
Lakhimpur	28	24		30	162				244	619
Dhemaji	15			22	24	3		33	97	107
Tinsukia	51								51	359
Dibrugarh	10								10	275
Sivasagar								16	16	1305
Jorhat	46	1		108	36	1	18	17	227	366
Golaghat	480			1					481	980
Karbi Anglong	12537	5426		3279			881	17	22140	37321
Dima Hasao										4115
Cachar	380					2		9	391	758
Karimganj	17			19				77	113	135
Hailakandi	30	107			2			6	145	317
Bongaigaon	224	270		28	43	35		131	731	1458
Chirang	155	230		360	1083	788		205	2821	14875
Kamrup	157			445	36			3	641	3305
Kamrup Metro				1420	3		1050		2473	3386
Nalbari				67	8			5	80	248
Baksa	7				441	67		714	1229	11100
Darrang	48	30	10	554	35	5			682	6064
Udalguri	300		569	45	909	51		15000	16874	78777
Assam	15174	6096	592	8760	2854	1027	2005	16314	52822	224777

Sali HYV = Sali High Yielding Variety.

Source: Chief Engineer Irrigation Department, Assam

Table 7.13- Effect of damaged caused by flood in Assam during 2014 and 2015

Item	2014	2015
Area affected (in Hectares)	-	-
No. of Villages affected	4,446	4,763
Crop area affected (in Hectares)	3,72,178	3,29,303
Value of crop lost (Rs. in Lakh)	-	-
Population affected	42,03,609	36,66,908
Value of Houses damaged (Rs. In Lakh)	-	-
No. of cattle lost	28	212
Houses damaged (Fully)	54,088	1537
Houses damaged (Partially)	82,095	1955
No. of Human Life Lost	90	64

Source: Office of the Chief Engineer, Water Resource Deptt. and State Disaster Management Authority Guwahati, Assam

Table 7.14- District-wise damaged flood management structures (embankments and others) by flood in Assam during 2016

District	Type of embankment (Dyke)	No. of embankment breached	No. of breaches in the embankment	Length of breach (in metre)
Kokrajhar	Tributary	1	4	170
	Brahmaputra	-	-	-
Dhubri	Tributary	3	3	200
	Brahmaputra	-	-	-
Barpeta	Tributary	2	2	80
	Brahmaputra	-	-	-
Morigaon	Tributary	-	-	-
	Brahmaputra	1	2	158
Nagaon	Tributary	-	-	-
	Brahmaputra	-	-	-
Sonitpur	Tributary	2	2	140
	Brahmaputra	-	-	-
Dibrugarh	Tributary	-	-	-
	Brahmaputra	1	1	140
Jorhat	Tributary	-	-	-
	Brahmaputra	3	3	270
Cachar	Tributary	5	3	235
	Barak	-	2	-
Karimganj	Tributary	8	12	1120
	Barak	-	-	-
Baksa	Tributary	1	3	580
	Brahmaputra	-	-	-
Assam	Tributary (Brah.)	-	4	-
	Brahm. Dyke	-	16	-
	Tributary (Barak)	-	2	-
	Barak Dyke	-	15	-

Note: Districts not reflected have no damaged structures

Source: Office of the Chief Engineer, Water Resource Deptt. and State Disaster Management Authority Guwahati, Assam