

Table no. 38 (continuous 3 parts table)

2014-15

(IVI) Pre Monsoon

Importance Value Index of Macrophyte species of Diplai Beel

spp No.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	424	140.000	7.600	10.600	19.900	7.571	7.400	34.900
2	<i>Pistia stratiotes</i> L.	2	2.500	0.120	0.050	0.132	2.000	1.900	2.152
3	<i>Lemna perpusilla</i> Torry	4	7.500	0.180	0.100	0.001	1.333	0.800	0.981
4	<i>Azolla pinnata</i> R.Br.	18	37.500	2.300	0.450	0.066	1.200	0.700	3.066
5	<i>Salvinia natans</i> (L) All.	19	35.000	2.300	0.475	1.200	1.357	1.300	4.800
6	<i>Salvinia cucullata</i>	16	35.000	1.400	0.400	1.000	1.143	1.100	3.500
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	3	5.000	0.210	0.075	0.100	3.000	2.900	3.210
8	<i>Wolffia globosa</i>	3	5.000	0.210	0.075	0.100	1.500	1.400	1.710
	Submerged (anchored)								
9	<i>Hydrilla verticillata</i> (L.f.) Royle	48	75.000	4.100	1.200	3.100	1.600	1.500	8.700
10	<i>Potamogeton crispus</i>	47	67.500	3.900	1.175	3.100	1.741	1.700	8.700
11	<i>Vallisneria spiralis</i>	41	50.000	3.100	1.025	2.700	2.050	2.000	7.800

12	<i>Vallisneria natans</i> (Lour) H.Hara	34	60.000	3.700	0.850	2.200	1.417	1.200	7.100
	Submerged (suspended)								
13	<i>Ceratophyllum demersum</i> Linn.	51	97.500	4.500	1.275	3.300	1.308	1.200	9.000
14	<i>Utricularia exoleta</i> R.Br	40	45.000	4.300	1.000	2.600	2.222	2.100	9.000
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	28	30.000	1.800	0.700	1.800	2.333	2.200	5.800
16	<i>Hygroryza aristata</i> (Retzius) Nees	4	5.000	0.730	0.100	0.100	1.333	1.300	2.130
	Rooted Floating Leaves								
17	<i>Nymphaea lotus</i> Linn.	60	52.500	3.200	1.500	3.900	2.857	2.500	9.600
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	63	67.500	4.200	1.575	4.100	2.333	2.200	10.500
19	<i>Trapa natans</i> L.	57	52.500	3.300	1.425	3.700	2.714	2.600	9.600
	Emargents								
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	30	35.000	2.100	0.750	1.900	2.143	2.100	6.100
21	<i>Vetiveria zizanoides</i>	8	12.500	0.780	0.200	0.500	1.333	1.300	2.580
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	8	12.500	0.780	0.200	0.500	1.333	1.200	2.480
23	<i>Cyperus iria</i>	3	3.333	0.280	0.075	0.100	3.000	2.900	3.280
24	<i>Cyperus compressus</i> Linn.	16	22.500	1.400	0.400	1.000	1.778	1.700	4.100
25	<i>Cyperus corymbosus</i> Rottb.	5	7.500	0.760	0.125	0.300	1.667	1.600	2.660
26	<i>Hymenachne assamica</i> Hitch	17	22.500	1.400	0.425	1.100	1.889	1.500	4.000
27	<i>Echinodorus angustifolius</i>	21	11.000	0.680	0.525	1.300	3.500	3.400	5.380
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	21	11.000	1.600	0.525	1.200	3.500	3.300	6.100

29	<i>Scirpus eriophorum</i>	10	15.000	0.970	0.250	0.600	1.667	1.600	3.170
30	<i>Marselia quadrifolia</i> L.	58	80.000	5.000	1.450	3.800	3.053	2.900	11.700
31	<i>Monochoria hastata</i> (L.) Solm.	8	7.500	0.670	0.200	0.500	4.000	3.900	5.070
32	<i>Monochoria</i> (Barm.f) Presl.	12	22.500	1.400	0.300	7.900	3.000	2.900	12.200
33	<i>Polygonum barbatum</i> Linn.	38	45.000	2.800	0.950	2.500	2.111	2.000	7.300
34	<i>Polygonum hydropiper</i> Linn.	15	20.000	1.200	0.375	0.900	3.200	3.100	5.200
35	<i>Polygonum blabrum</i> Willd.	27	32.500	2.000	0.675	1.700	2.077	2.000	5.700
36	<i>Sagittaria trifolia</i> L.	10	12.500	0.810	0.250	0.600	2.000	1.800	3.210
37	<i>Cynodon dactylon</i> L.	21	22.500	1.400	0.525	1.300	3.500	3.200	5.900
38	<i>Digitaria ciliaris</i>	9	10.000	0.780	0.225	0.500	3.000	2.900	4.180
39	<u><i>Portulaca oleracea</i> L.</u>	1	2.500	0.150	0.025	0.600	1.000	0.900	1.650
40	<u><i>Brachiaria mutica</i> (Forssk.) Stapf</u>	36	37.500	2.300	0.900	2.300	2.400	2.100	6.700
41	<i>Eragrostis unioloides</i>	37	32.500	2.000	0.925	2.400	2.846	2.700	7.100
42	<i>Hemarthria compressa</i> L.	12	20.000	1.200	0.300	0.700	1.500	1.400	3.300
43	<i>Pogonatherum crinitum</i>	47	60.000	3.700	1.175	3.100	5.222	5.100	11.900
44	<u><i>Centella asiatica</i></u>	44	77.500	4.800	1.100	2.900	1.419	1.300	9.000
45	<u><i>Hydrocotyle sibthorpioides</i></u>	22	37.500	2.300	0.550	1.400	1.467	1.400	5.100
46	<i>Colocasia esculenta</i> (L.) Schott	19	22.500	1.400	0.475	0.200	2.111	2.000	3.600
47	<i>Commelina benghalensis</i> L.	31	47.500	2.900	0.775	2.000	1.632	1.500	6.400

Table no. 39 (continuous 3 parts table)

2014-15

(IVI) Monsoon

Importance Value Index of Macrophyte species of Diplai Beel

spp No.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	573	145.000	15.215	14.325	49.397	9.879	10.914	75.526
2	<i>Pistia stratiotes</i> L.	17	30.000	3.148	0.425	1.466	1.417	1.565	6.179
3	<i>Lemna perpusilla</i> Torry	8	12.500	1.312	0.200	0.690	1.300	1.436	3.437
4	<i>Azolla pinnata</i> R.Br.	26	45.000	4.722	0.650	2.241	1.500	3.500	10.463
5	<i>Salvinia natans</i> (L) All.	20	27.500	2.886	0.500	1.724	1.900	2.099	6.709
6	<i>Salvinia cucullata</i>	21	27.800	2.917	0.525	1.810	2.100	2.320	7.047
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	13	22.000	2.308	0.325	1.121	1.700	1.878	5.307
8	<i>Wolffia globosa</i>	6	10.000	1.049	0.150	0.517	1.400	1.547	3.113
	Submerged (anchored)								0.000
9	<i>Hydrilla verticillata</i> (L.f.) Royle	24	43.000	4.512	0.600	2.069	1.600	1.768	8.349
10	<i>Potamogeton crispus</i>	21	27.800	2.917	0.525	1.810	2.000	2.209	6.937
11	<i>Vallisneria spiralis</i>	23	28.000	2.938	0.575	1.983	1.500	1.436	6.357

12	<i>Vallisneria natans</i> (Lour) H.Hara	11	18.000	1.889	0.275	0.948	1.300	1.436	4.273
	Submerged (suspended)								
	(suspended)								
13	<i>Ceratophyllum demersum</i> Linn.	23	27.880	2.925	0.575	1.983	2.000	2.209	7.118
14	<i>Utricularia exoleta</i> R.Br	15	23.000	2.413	0.375	1.293	2.000	2.209	5.916
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	20	26.000	2.728	0.500	1.724	1.900	2.099	6.551
16	<i>Hygroryza aristata</i> (Retzius) Nees	27	30.000	3.148	0.675	2.328	2.070	2.287	7.762
	Rooted Floating Leaves							0.000	0.000
17	<i>Nymphaea lotus</i> Linn.	19	26.000	2.728	0.475	1.638	2.100	2.320	6.686
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	20	27.000	2.833	0.500	1.724	1.900	2.099	6.656
19	<i>Trapa natans</i> L.	24	29.000	3.043	0.600	2.069	1.600	1.768	6.880
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	17	22.000	2.308	0.425	1.466	1.410	1.558	5.332
21	<i>Vetiveria zizanooides</i>	4	2.500	0.262	0.100	0.345	1.200	1.333	1.940
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	9	5.500	0.577	0.225	0.776	3.000	3.333	4.686
23	<i>Cyperus iria</i>	4	3.500	0.367	0.100	0.345	2.000	2.222	2.934
24	<i>Cyperus compressus</i> Linn.	4	3.500	0.367	0.100	0.345	1.200	1.333	2.045
25	<i>Cyperus corymbosus</i> Rottb.	2	2.500	0.262	0.050	0.172	2.000	2.222	2.657
26	<i>Hymenachne assamica</i> Hitch	16	21.000	2.204	0.400	1.379	1.150	1.278	4.861
27	<i>Echinodorus angustifolius</i>	4	3.500	0.367	0.100	0.345	1.200	1.333	2.045
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	23	27.600	2.896	0.575	1.983	1.500	1.667	6.546

29	<i>Scirpus eriophorum</i>	1	2.500	0.262	0.025	0.086	1.000	1.111	1.460
30	<i>Marselia quadrifolia</i> L.	27	30.000	3.148	0.675	2.328	2.070	2.300	7.776
31	<i>Monochoria hastata</i> (L.) Solm.	7	10.200	1.070	0.175	0.603	1.200	1.333	3.007
32	<i>Monochoria</i> (Burm.f) Presl.	15	18.000	1.889	0.375	1.293	3.200	3.556	6.737
33	<i>Polygonum barbatum</i> Linn.	5	4.300	0.451	0.125	0.431			0.882
34	<i>Polygonum hydropiper</i> Linn.	8	12.300	1.291	0.200	0.690	1.300	1.444	3.425
35	<i>Polygonum blabrum</i> Willd.	7	10.500	1.102	0.175	0.603	1.200	1.333	3.039
36	<i>Sagittaria trifolia</i> L.	3	2.500	0.262	0.075	0.259	1.500	1.667	2.188
37	<i>Cynodon dactylon</i> L.	2	2.500	0.262	0.050	0.172	2.000	2.222	2.657
38	<i>Digitaria ciliaris</i>	2	2.500	0.262	0.050	0.172	2.000	2.222	2.657
39	<i>Portulaca oleracea</i> L.	1	2.500	0.262	0.025	0.086	1.000	1.111	1.460
40	<i>Brachiaria mutica</i> (Forssk.) <i>Stapf</i>	15	20.100	2.109	0.375	1.293	3.200	3.556	6.958
41	<i>Eragrostis unioloides</i>	23	27.200	2.854	0.575	1.983	1.500	1.667	6.504
42	<i>Hemarthria compressa</i> L.	17	21.000	2.204	0.425	1.466	1.420	1.578	5.247
43	<i>Pogonatherum crinitum</i>	13	16.000	1.679	0.325	1.121	1.700	1.889	4.688
44	<i>Centella asiatica</i>	15	14.000	1.469	0.375	1.293	3.200	3.556	6.318
45	<i>Hydrocotyle sibthorpioides</i>	4	3.500	0.367	0.100	0.345	1.200	1.333	2.045
46	<i>Colocasia esculenta</i> (L.) Schott	23	26.700	2.802	0.575	1.983	1.500	1.667	6.451
47	<i>Commelina benghalensis</i> L.	7	10.300	1.081	0.175	0.603	1.200	1.333	3.018

Table no. 40 (continuous 3 parts table)

2014-15

(IVI) Post Monsoon

Importance Value Index of Macrophyte species of Diplai Beel

spp No.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	358	120.000	16.807	8.950	42.619	7.458	7.384	66.810
2	<i>Pistia stratiotes</i> L.	4	3.500	0.490	0.100	0.476	1.330	1.317	2.283
3	<i>Lemna perpusilla</i> Torrey	2	2.500	0.350	0.050	0.238	1.000	0.990	1.578
4	<i>Azolla pinnata</i> R.Br.	4	3.500	0.490	0.100	0.476	1.333	1.320	2.286
5	<i>Salvinia natans</i> (L) All.	14	12.500	1.751	0.350	1.667	3.100	3.069	6.487
6	<i>Salvinia cucullata</i>	9	8.900	1.246	0.225	1.071	3.000	2.970	5.288
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	3	2.500	0.350	0.075	0.357	1.500	1.485	2.192
8	<i>Wolffia globosa</i>	1	2.500	0.350	0.025	0.119	1.000	0.990	1.459
	Submerged (anchored)								0.000
9	<i>Hydrilla verticillata</i> (L.f.) Royle	28	45.000	6.303	0.700	3.333	2.330	2.307	11.943
10	<i>Potamogeton crispus</i>	26	43.000	6.022	0.650	3.095	3.400	3.366	12.484
11	<i>Vallisneria spiralis</i>	23	41.000	5.742	0.575	2.738	1.500	1.485	9.966

12	<i>Vallisneria natans</i> (Lour) H.Hara	12	11.200	1.569	0.300	1.429	3.100	3.069	6.067
	Submerged (suspended)								0.000
13	<i>Ceratophyllum demersum</i> Linn.	26	42.000	5.882	0.650	3.095	3.400	3.366	12.344
14	<i>Utricularia exoleta</i> R.Br	9	7.400	1.036	0.225	1.071	3.000	2.970	5.078
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	15	12.500	1.751	0.375	1.786	3.200	3.168	6.705
16	<i>Hydroryza aristata</i> (Retzius) Nees	18	13.000	1.821	0.450	2.143	1.200	1.188	5.152
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	25	42.000	5.882	0.625	2.976	2.000	1.980	10.839
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	22	39.000	5.462	0.550	2.619	1.466	1.451	9.533
19	<i>Trapa natans</i> L.	26	42.000	5.882	0.650	3.095	3.400	3.366	12.344
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	11	10.500	1.471	0.275	1.310	2.100	2.079	4.859
21	<i>Vetiveria zizanoides</i>	3	2.500	0.350	0.075	0.357	3.000	2.970	3.678
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	9	7.400	1.036	0.225	1.071	3.000	2.970	5.078
23	<i>Cyperus iria</i>	4	3.500	0.490	0.100	0.476	1.333	1.320	2.286
24	<i>Cyperus compressus</i> Linn.	5	3.500	0.490	0.125	0.595	1.666	1.650	2.735
25	<i>Cyperus corymbosus</i> Rottb.	3	2.500	0.350	0.075	0.357	1.500	1.485	2.192
26	<i>Hymenachne assamica</i> Hitch	10	10.500	1.471	0.250	1.190	1.666	1.650	4.311
27	<i>Echinodorus angustifolius</i>	9	7.400	1.036	0.225	1.071	3.000	2.970	5.078

28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	12	13.200	1.849	0.300	1.429	1.500	1.485	4.762
29	<i>Scirpus eriophorum</i>	5	4.500	0.630	0.125	0.595	1.666	1.650	2.875
30	<i>Marselia quadrifolia</i> L.	14	12.500	1.751	0.150	0.714	1.300	1.287	3.752
31	<i>Monochoria hastata</i> (L) Solm.	6	4.600	0.644	0.150	0.714	1.300	1.287	2.646
32	<i>Monochoria</i> (Barm.f) Presl.	13	12.600	1.765	0.325	1.548	1.700	1.683	4.995
33	<i>Polygonum barbatum</i> Linn.	11	10.200	1.429	0.275	1.310	2.100	2.079	4.817
34	<i>Polygonum hydropiper</i> Linn.	11	10.200	1.429	0.275	1.310	1.700	1.683	4.421
35	<i>Polygonum blabrum</i> Willd.	12	12.200	1.709	0.300	1.429	1.500	1.485	4.622
36	<i>Sagittaria trifolia</i> L.	8	7.200	1.008	0.200	0.952	1.333	1.320	3.281
37	<i>Cynodon dactylon</i> L.	6	7.200	1.008	0.150	0.714	1.777	1.759	3.482
38	<i>Digitaria ciliaris</i>	5	4.500	0.630	0.125	0.595	1.666	1.650	2.875
39	<u><i>Portulaca oleracea</i> L.</u>	3	2.600	0.364	0.075	0.357	1.500	1.485	2.206
40	<u><i>Brachiaria mutica</i> (Forssk.) Stapf</u>	12	12.600	1.765	0.300	1.429	3.100	3.069	6.263
41	<i>Eragrostis unioloides</i>	14	16.200	2.269	0.350	1.667	2.000	1.980	5.916
42	<i>Hemarthria compressa</i> L	6	4.500	0.630	0.150	0.714	1.777	1.759	3.104
43	<i>Pogonatherum crinitum</i>	6	4.500	0.630	0.150	0.714	1.777	1.759	3.104
44	<u><i>Centella asiatica</i></u>	8	7.200	1.008	0.200	0.952	1.333	1.320	3.281
45	<u><i>Hydrocotyle sibthorpioides</i></u>	4	3.500	0.490	0.100	0.476	1.333	1.320	2.286
46	<i>Colocasia esculenta</i> (L.) Schott	13	15.200	2.129	0.325	1.548	1.700	1.683	5.360
47	<i>Commelina benghalensis</i> L.	9	7.400	1.036	0.225	1.071	3.000	2.970	5.078

Table no. 41 (continuous 3 parts table)
2014-15
(IVI) Winter

Importance Value Index of Macrophyte species of Diplai Beel

spp No.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	313	122.500	18.902	7.825	41.184	6.388	6.452	66.538
2	<i>Pistia stratiotes</i> L.	5	4.500	0.698	0.125	0.658	1.666	1.683	3.038
3	<i>Lemna perpusilla</i> Torrey	1	2.500	0.388	0.025	0.132	1.000	1.010	1.529
4	<i>Azolla pinnata</i> R.Br.	8	7.400	1.147	0.200	1.053	2.500	2.525	4.725
5	<i>Salvinia natans</i> (L) All.	9	10.500	1.628	0.225	1.184	1.500	1.515	4.327
6	<i>Salvinia cucullata</i>	9	10.500	1.628	0.225	1.184	1.500	1.515	4.327
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	1	2.500	0.388	0.025	0.132	1.000	1.010	1.529
8	<i>Wolffia globosa</i>	2	2.500	0.388	0.050	0.263	2.000	2.020	2.671
	Submerged (anchored)								0.000
9	<i>Hydrilla verticillata</i> (L.f.) Royle	25	28.500	4.419	0.625	3.289	1.770	1.788	9.496
10	<i>Potamogeton crispus</i>	17	22.000	3.411	0.425	2.237	1.880	1.899	7.547
11	<i>Vallisneria spiralis</i>	18	21.000	3.256	0.450	2.368	1.900	1.919	7.543

12	<i>Vallisneria natans</i> (Lour) H.Hara	18	19.000	2.946	0.450	2.368	1.900	1.919	7.233
	Submerged (suspended)								0.000
13	<i>Ceratophyllum demersum</i> Linn.	16	20.500	3.178	0.400	2.105	1.150	1.162	6.445
14	<i>Utricularia exoleta</i> R.Br	15	19.500	3.023	0.375	1.974	1.100	1.111	6.108
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	8	7.500	1.163	0.200	1.053	1.333	1.346	3.562
16	<i>Hygroryza aristata</i> (Retzius) Nees	27	29.300	4.543	0.675	3.553	2.077	2.098	10.193
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	24	26.500	4.109	0.600	3.158	1.600	1.616	8.883
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	23	25.800	4.000	0.575	3.026	1.500	1.515	8.541
19	<i>Trapa natans</i> L.	18	21.000	3.256	0.450	2.368	1.990	2.010	7.634
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	4	3.500	0.543	0.100	0.526	2.000	2.020	3.089
21	<i>Vetiveria zizanoides</i>	2	2.500	0.388	0.050	0.263	2.000	2.020	2.671
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	7	7.500	1.163	0.175	0.921	3.000	3.030	5.114
23	<i>Cyperus iria</i>	7	7.300	1.132	0.175	0.921	3.500	3.535	5.588
24	<i>Cyperus compressus</i> Linn.	9	8.900	1.380	0.225	1.184	3.000	3.030	5.594
25	<i>Cyperus corymbosus</i> Rottb.	12	12.600	1.953	0.300	1.579	3.100	3.131	6.664
26	<i>Hymenachne assamica</i> Hitch	5	4.500	0.698	0.125	0.658	1.666	1.683	3.038
27	<i>Echinodorus angustifolius</i>	10	10.500	1.628	0.250	1.316	3.100	3.131	6.075
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	7	6.800	1.054	0.175	0.921	1.220	1.232	3.208
29	<i>Scirpus eriophorum</i>	5	4.400	0.682	0.125	0.658	1.660	1.677	3.017

30	<i>Marselia quadrifolia</i> L.	30	32.700	5.070	0.750	3.947	1.660	1.677	10.694
31	<i>Monochoria hastata</i> (L) Solm.	14	15.500	2.403	0.350	1.842	1.200	1.212	5.457
32	<i>Monochoria</i> (Barm.f) Presl.	8	7.600	1.178	0.200	1.053	1.330	1.343	3.574
33	<i>Polygonum barbatum</i> Linn.	18	19.900	3.085	0.450	2.368	1.500	1.515	6.969
34	<i>Polygonum hydropiper</i> Linn.	10	8.900	1.380	0.250	1.316	3.100	3.131	5.827
35	<i>Polygonum blabrum</i> Willd.	15	16.800	2.605	0.375	1.974	3.200	3.232	7.811
36	<i>Sagittaria trifolia</i> L.	2	2.400	0.372	0.050	0.263	2.000	2.020	2.655
37	<i>Cynodon dactylon</i> L.	1	2.500	0.388	0.025	0.132	1.000	1.010	1.529
38	<i>Digitaria ciliaris</i>	2	2.500	0.388	0.050	0.263	2.000	2.020	2.671
39	<i>Portulaca oleracea</i> L.	2	2.500	0.388	0.050	0.263	2.000	2.020	2.671
40	<i>Brachiaria mutica</i> (Forssk.) Stapf	10	12.300	1.907	0.250	1.316	3.100	3.131	6.354
41	<i>Eragrostis uniolooides</i>	7	7.500	1.163	0.175	0.921	3.500	3.535	5.619
42	<i>Hemarthria compressa</i> L	3	2.500	0.388	0.075	0.395	1.500	1.515	2.297
43	<i>Pogonatherum crinitum</i>	9	8.700	1.349	0.225	1.184	3.000	3.030	5.563
44	<i>Centella asiatica</i>	12	13.600	2.109	0.300	1.579	1.500	1.515	5.203
45	<i>Hydrocotyle sibthorpioides</i>	10	10.500	1.628	0.250	1.316	2.000	2.020	4.964
46	<i>Colocasia esculenta</i> (L.) Schott	5	4.500	0.698	0.125	0.658	1.500	1.515	2.871
47	<i>Commelina benghalensis</i> L.	3	2.500	0.388	0.075	0.395	1.500	1.515	2.297

Table no. 42 (continuous 3 parts table)

2015-16

(IVI) Pre Monsoon

Importance Value Index of Plant species of Diplai Beel

SI No.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	330	105.000	9.841	8.250	29.464	7.857	9.354	48.659
2	<i>Pistia stratiotes</i> L.	4	3.500	0.328	0.100	0.357	1.330	1.583	2.268
3	<i>Lemna perpusilla</i> Torry	2	2.500	0.234	0.050	0.179	2.000	2.381	2.794
4	<i>Azolla pinnata</i> R.Br.	7	7.400	0.694	0.175	0.625	1.000	1.190	2.509
5	<i>Salvinia natans</i> (L) All.	7	8.500	0.797	0.175	0.625	1.000	1.190	2.612
6	<i>Salvinia cucullata</i>	3	2.500	0.234	0.075	0.268	1.500	1.786	2.288
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	7	8.200	0.769	0.175	0.625	1.000	1.190	2.584
8	<i>Wolffia globosa</i>	6	5.500	0.515	0.150	0.536	1.100	1.310	2.361
	Submerged (anchored)								
9	<i>Hydrilla verticillata</i> (L.f.) Royle	42	50.000	4.686	1.050	3.750	2.000	2.381	10.817
10	<i>Potamogeton crispus</i>	33	45.000	4.217	0.825	2.946	1.210	1.440	8.604
11	<i>Vallisneria spiralis</i>	30	42.000	3.936	0.750	2.679	2.143	2.551	9.166
12	<i>Vallisneria natans</i> (Lour) H.Hara	22	28.000	2.624	0.550	1.964	1.200	1.429	6.017

	Submerged (suspended)								
13	<i>Cerratophyllum demersum</i> Linn.	34	46.000	4.311	0.850	3.036	1.416	1.686	9.033
14	<i>Utricularia exoleta</i> R.Br	29	41.000	3.843	0.725	2.589	2.500	2.976	9.408
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	11	12.500	1.172	0.275	0.982	2.100	2.500	4.654
16	<i>Hygroryza aristata</i> (Retzius) Nees	6	5.500	0.515	0.150	0.536	1.770	2.107	3.158
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	37	48.000	4.499	0.925	3.304	2.840	3.381	11.183
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	48	54.500	5.108	1.200	4.286	1.500	1.786	11.179
19	<i>Trapa natans</i> L.	47	53.000	4.967	0.175	0.625	1.470	1.750	7.342
	Emargents								
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	26	38.000	3.561	0.650	2.321	2.000	2.381	8.264
21	<i>Vetiveria zizanooides</i>	8	10.500	0.984	0.200	0.714	1.333	1.587	3.285
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	7	7.500	0.703	0.175	0.625	1.200	1.429	2.756
23	<i>Cyperus iria</i>	2	2.500	0.234	0.050	0.179	1.000	1.190	1.603
24	<i>Cyperus compressus</i> Linn.	11	12.500	1.172	0.275	0.982	1.500	1.786	3.939
25	<i>Cyperus corymbosus</i> Rottb.	1	2.500	0.234	0.025	0.089	1.000	1.190	1.514
26	<i>Hymenachne assamica</i> Hitch	12	14.000	1.312	0.300	1.071	2.400	2.857	5.241
27	<i>Echinodorus angustifolius</i>	17	21.000	1.968	0.425	1.518	1.400	1.667	5.153
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	9	10.500	0.984	0.225	0.804	3.000	3.571	5.359
29	<i>Scirpus eriophorum</i>	7	7.400	0.694	0.175	0.625	1.200	1.429	2.747
30	<i>Marselia quadrifolia</i> L.	59	48.000	4.499	1.475	5.268	2.500	2.976	12.743

31	<i>Monochoria hastata</i> (L) Solm.	15	15.200	1.425	0.375	1.339	1.110	1.321	4.085
32	<i>Monochoria</i> (Barm.f) Presl.	22	31.000	2.905	0.550	1.964	1.333	1.587	6.457
33	<i>Polygonum barbatum</i> Linn.	35	30.000	2.812	0.875	3.125	1.500	1.786	7.722
34	<i>Polygonum hydropiper</i> Linn.	13	12.600	1.181	0.325	1.161	1.700	2.024	4.365
35	<i>Polygonum blabrum</i> Willd.	22	24.000	2.249	0.550	1.964	1.333	1.587	5.800
36	<i>Sagittaria trifolia</i> L.	6	4.500	0.422	0.150	0.536	1.777	2.115	3.073
37	<i>Cynodon dactylon</i> L.	2	2.500	0.234	0.050	0.179	2.000	2.381	2.794
38	<i>Digitaria ciliaris</i>	23	24.000	2.249	0.575	2.054	1.300	1.548	5.850
39	<u><i>Portulaca oleracea</i> L.</u>	18	17.000	1.593	0.450	1.607	1.200	1.429	4.629
40	<u><i>Brachiaria mutica</i> (Forssk.) Stapf</u>	32	35.600	3.336	0.800	2.857	1.350	1.607	7.801
41	<i>Eragrostis uniolooides</i>	13	12.600	1.181	0.325	1.161	1.700	2.024	4.365
42	<i>Hemarthria compressa</i> L.	20	15.900	1.490	0.500	1.786	1.900	2.262	5.538
43	<i>Pogonatherum crinitum</i>	21	16.000	1.500	0.525	1.875	2.000	2.381	5.755
44	<u><i>Centella asiatica</i></u>	41	38.600	3.618	1.025	3.661	2.000	2.381	9.659
45	<u><i>Hydrocotyle sibthorpioides</i></u>	16	15.000	1.406	0.400	1.429	1.140	1.357	4.192
46	<i>Colocasia esculenta</i> (L.) Schott	14	13.900	1.303	0.350	1.250	1.110	1.321	3.874
47	<i>Commelina benghalensis</i> L.	15	16.000	1.500	0.375	1.339	2.000	2.381	5.220

Table no. 43 (continuous 3 parts table)

2015-16

(IVI) Monsoon

Importance Value Index of Plant species of Diplai Beel

SI No.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	471	130.000	13.265	11.775	37.984	9.058	8.545	59.794
2	<i>Pistia stratiotes</i> L.	29	37.500	3.827	0.725	2.339	2.400	2.264	8.429
3	<i>Lemna perpusilla</i> Torry	20	23.000	2.347	0.500	1.613	1.900	1.792	5.752
4	<i>Azolla pinnata</i> R.Br.	36	41.000	4.184	0.900	2.903	2.400	2.264	9.351
5	<i>Salvinia natans</i> (L) All.	28	34.000	3.469	0.700	2.258	2.333	2.201	7.928
6	<i>Salvinia cucullata</i>	31	35.000	3.571	0.775	2.500	2.200	2.075	8.147
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	13	12.500	1.276	0.325	1.048	2.200	2.075	4.399
8	<i>Wolffia globosa</i>	6	5.500	0.561	0.150	0.484	1.700	1.604	2.649
	Submerged (anchored)								0.000
9	<i>Hydrilla verticillata</i> (L.f.) Royle	40	45.000	4.592	1.000	3.226	2.220	2.094	9.912
10	<i>Potamogeton crispus</i>	41	39.000	3.980	1.025	3.306	2.300	2.170	9.456
11	<i>Vallisneria spiralis</i>	19	16.000	1.633	0.475	1.532	1.354	1.277	4.442
12	<i>Vallisneria natans</i> (Lour) H.Hara	11	12.500	1.276	0.275	0.887	2.100	1.981	4.144

	Submerged (suspended)								0.000
13	<i>Cerratophyllum demersum</i> Linn.	44	39.000	3.980	1.100	3.548	1.420	1.340	8.868
14	<i>Utricularia exoleta</i> R.Br	1	2.500	0.255	0.025	0.081	1.000	0.943	1.279
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	37	41.000	4.184	0.775	2.500	2.840	2.679	9.363
16	<i>Hygroryza aristata</i> (Retzius) Nees	45	47.400	4.837	1.125	3.629	1.470	1.387	9.853
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	26	24.700	2.520	0.650	2.097	3.400	3.208	7.825
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	21	24.000	2.449	0.525	1.694	3.500	3.302	7.444
19	<i>Trapa natans</i> L.	4	3.500	0.357	0.100	0.323	1.333	1.258	1.937
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	9	10.600	1.082	0.225	0.726	3.000	2.830	4.638
21	<i>Vetiveria zizanooides</i>	12	12.500	1.276	0.300	0.968	3.100	2.925	5.168
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	5	4.500	0.459	0.125	0.403	1.666	1.572	2.434
23	<i>Cyperus iria</i>	11	12.500	1.276	0.275	0.887	2.100	1.981	4.144
24	<i>Cyperus compressus</i> Linn.	19	17.900	1.827	0.225	0.726	1.357	1.280	3.833
25	<i>Cyperus corymbosus</i> Rottb.	8	10.500	1.071	0.200	0.645	2.900	2.736	4.452
26	<i>Hymenachne assamica</i> Hitch	17	18.000	1.837	0.425	1.371	1.880	1.774	4.981
27	<i>Echinodorus angustifolius</i>	1	2.500	0.255	0.025	0.081	1.000	0.943	1.279
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	16	21.000	2.143	0.400	1.290	3.333	3.144	6.578
29	<i>Scirpus eriophorum</i>	5	4.500	0.459	0.125	0.403	1.400	1.321	2.183
30	<i>Marselia quadrifolia</i> L.	22	24.000	2.449	0.550	1.774	1.466	1.383	5.606

31	<i>Monochoria hastata</i> (L) Solm.	16	17.000	1.735	0.400	1.290	3.333	3.144	6.169
32	<i>Monochoria</i> (Barm.f) Presl.	16	16.000	1.633	0.400	1.290	3.300	3.113	6.036
33	<i>Polygonum barbatum</i> Linn.	18	19.700	2.010	0.450	1.452	1.200	1.132	4.594
34	<i>Polygonum hydropiper</i> Linn.	12	10.500	1.071	0.300	0.968	1.500	1.415	3.454
35	<i>Polygonum blabrum</i> Willd.	2	2.500	0.255	0.050	0.161	2.000	1.887	2.303
36	<i>Sagittaria trifolia</i> L.	21	24.200	2.469	0.525	1.694	2.000	1.887	6.050
37	<i>Cynodon dactylon</i> L.	4	3.500	0.357	0.100	0.323	1.330	1.255	1.934
38	<i>Digitaria ciliaris</i>	1	2.500	0.255	0.025	0.081	1.000	0.943	1.279
39	<i>Portulaca oleracea</i> L.	4	3.500	0.357	0.100	0.323	1.330	1.255	1.934
40	<i>Brachiaria mutica</i> (Forssk Stapf.)	38	34.900	3.561	0.950	3.065	2.900	2.736	9.362
41	<i>Eragrostis unioloides</i>	14	14.500	1.480	0.350	1.129	3.000	2.830	5.439
42	<i>Hemarthria compressa</i> L	10	12.600	1.286	0.250	0.806	2.000	1.887	3.979
43	<i>Pogonatherum crinitum</i>	22	21.500	2.194	0.550	1.774	1.466	1.383	5.351
44	<i>Centella asiatica</i>	15	14.900	1.520	0.375	1.210	3.200	3.019	5.749
45	<i>Hydrocotyle sibthorpioides</i>	5	5.500	0.561	0.125	0.403	1.666	1.572	2.536
46	<i>Colocasia esculenta</i> (L.) Schott	13	13.400	1.367	0.325	1.048	1.700	1.604	4.020
47	<i>Commelina benghalensis</i> L.	11	12.500	1.276	0.275	0.887	2.100	1.981	4.144

**Table no. 44 (continuous 3 parts table)
2015-16**

(IVI) Post Monsoon

Importance Value Index of Plant species of Diplai Beel

SI No.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	340	102.000	15.755	8.500	40.476	8.293	8.376	64.608
2	<i>Pistia stratiotes</i> L.	6	5.500	0.850	0.150	0.714	1.666	1.683	3.247
3	<i>Lemna perpusilla</i> Torry	6	5.400	0.835	0.150	0.714	1.666	1.683	3.232
4	<i>Azolla pinnata</i> R.Br.	11	10.500	1.623	0.275	1.310	1.777	1.795	4.727
5	<i>Salvinia natans</i> (L) All.	11	11.400	1.762	0.275	1.310	1.777	1.795	4.866
6	<i>Salvinia cucullata</i>	3	2.500	0.386	0.075	0.357	2.000	2.020	2.764
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	6	5.500	0.850	0.150	0.714	1.770	1.788	3.352
8	<i>Wolffia globosa</i>	2	2.500	0.386	0.050	0.238	2.000	2.020	2.645
	Submerged (anchored)								0.000
9	<i>Hydrilla verticillata</i> (L.f) Royle	33	32.500	5.023	0.825	3.929	1.400	1.414	10.366
10	<i>Potamogeton crispus</i>	29	31.200	4.822	0.725	3.452	1.500	1.515	9.790
11	<i>Vallisneria spiralis</i>	29	28.000	4.328	0.725	3.452	1.500	1.515	9.295
12	<i>Vallisneria natans</i> (Lour) H.Hara	16	19.000	2.937	0.400	1.905	1.140	1.152	5.993
	Submerged (suspended)								0.000
13	<i>Ceratophyllum demersum</i>	23	24.300	3.756	0.575	2.738	1.500	1.515	8.009

	Linn.								
14	<i>Utricularia exoleta</i> R.Br	13	12.500	1.932	0.325	1.548	1.500	1.515	4.995
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	5	4.500	0.696	0.125	0.595	1.666	1.683	2.974
16	<i>Hygroryza aristata</i> (Retzius) Nees	15	17.400	2.689	0.375	1.786	3.200	3.232	7.707
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	27	25.000	3.864	0.675	3.214	3.500	3.535	10.614
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	23	24.000	3.709	0.575	2.738	1.500	1.515	7.963
19	<i>Trapa natans</i> L.	23	23.900	3.694	0.575	2.738	1.500	1.515	7.947
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	18	19.500	3.014	0.450	2.143	2.000	2.020	7.177
21	<i>Vetiveria zizanioides</i>	7	9.300	1.437	0.175	0.833	1.500	1.515	3.786
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	10	12.500	1.932	0.250	1.190	3.000	3.030	6.153
23	<i>Cyperus iria</i>	5	4.500	0.696	0.125	0.595	1.666	1.683	2.974
24	<i>Cyperus compressus</i> Linn.	4	3.500	0.541	0.100	0.476	2.000	2.020	3.037
25	<i>Cyperus corymbosus</i> Rottb.	2	2.500	0.386	0.050	0.238	2.000	2.020	2.645
26	<i>Hymenachne assamica</i> Hitch	11	12.500	1.932	0.275	1.310	2.000	2.020	5.262
27	<i>Echinodorus angustifolius</i>	26	25.000	3.864	0.650	3.095	1.500	1.515	8.474
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	5	4.500	0.696	0.125	0.595	1.666	1.683	2.974
29	<i>Scirpus eriophorum</i>	7	7.400	1.144	0.175	0.833	1.777	1.795	3.772
30	<i>Marselia quadrifolia</i> L.	15	17.500	2.705	0.375	1.786	2.200	2.222	6.713
31	<i>Monochoria hastata</i> (L) Solm.	15	16.500	2.550	0.375	1.786	3.200	3.232	7.568
32	<i>Monochoria</i> (Barm.f) Presl.	15	15.600	2.411	0.375	1.786	3.200	3.232	7.429

33	<i>Polygonum barbatum</i> Linn.	4	3.500	0.541	0.100	0.476	1.333	1.346	2.364
34	<i>Polygonum hydropiper</i> Linn.	4	3.500	0.541	0.100	0.476	1.333	1.346	2.364
35	<i>Polygonum blabrum</i> Willd.	7	10.500	1.623	0.175	0.833	2.000	2.020	4.476
36	<i>Sagittaria trifolia</i> L.	10	12.500	1.932	0.250	1.190	3.000	3.030	6.153
37	<i>Cynodon dactylon</i> L.	4	3.400	0.526	0.100	0.476	1.333	1.346	2.348
38	<i>Digitaria ciliaris</i>	3	2.500	0.386	0.075	0.357	1.000	1.010	1.754
39	<u><i>Portulaca oleracea</i> L.</u>	6	7.500	1.159	0.150	0.714	1.777	1.795	3.668
40	<u><i>Brachiaria mutica</i> (Forssk.) Stapf</u>	13	15.000	2.318	0.325	1.548	2.500	2.525	6.391
41	<i>Eragrostis uniolooides</i>	9	10.500	1.623	0.225	1.071	3.000	3.030	5.725
42	<i>Hemarthria compressa</i> L	5	4.500	0.696	0.125	0.595	1.666	1.683	2.974
43	<i>Pogonatherum crinitum</i>	6	4.800	0.742	0.150	0.714	1.666	1.683	3.139
44	<u><i>Centella asiatica</i></u>	5	4.500	0.696	0.125	0.595	1.666	1.683	2.974
45	<u><i>Hydrocotyle sibthorpioides</i></u>	5	4.200	0.649	0.125	0.595	1.666	1.683	2.927
46	<i>Colocasia esculenta</i> (L.) Schott	11	12.600	1.947	0.275	1.310	3.000	3.030	6.287
47	<i>Commelina benghalensis</i> L.	8	9.500	1.468	0.200	0.952	1.333	1.346	3.767

Table no. 45 (continuous 3 parts table)
2015-16
(IVI) Winter

Importance Value Index of Plant species of Diplai Beel

Sl No.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	234	100.000	13.383	5.850	30.789	5.850	5.571	49.744
2	<i>Pistia stratiotes</i> L.	9	12.500	1.673	0.225	1.184	1.500	1.429	4.286
3	<i>Lemna perpusilla</i> Torrey	5	4.500	0.602	0.125	0.658	1.666	1.587	2.847
4	<i>Azolla pinnata</i> R.Br.	11	12.600	1.687	0.275	1.447	2.100	2.000	5.134
5	<i>Salvinia natans</i> (L) All.	12	13.500	1.807	0.300	1.579	1.500	1.429	4.815
6	<i>Salvinia cucullata</i>	12	12.600	1.687	0.300	1.579	2.000	1.905	5.170
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	7	8.700	1.165	0.175	0.921	1.300	1.238	3.324
8	<i>Wolffia globosa</i>	2	2.500	0.335	0.050	0.263	2.000	1.905	2.503
	Submerged (anchored)						2.333	2.222	2.222
9	<i>Hydrilla verticillata</i> (L.f.) Royle	28	39.000	5.221	0.700	3.684	1.357	1.292	10.197
10	<i>Potamogeton crispus</i>	19	23.000	3.079	0.475	2.500	1.888	1.798	7.377
11	<i>Vallisneria spiralis</i>	17	21.000	2.811	0.425	2.237	1.357	1.292	6.340
12	<i>Vallisneria natans</i> (Lour) H.Hara	19	22.000	2.945	0.475	2.500	2.100	2.000	7.445
	Submerged (suspended)								0.000

13	<i>Cerratophyllum demersum</i> Linn.	26	34.000	4.552	0.650	3.421	1.357	1.292	9.265
14	<i>Utricularia exoleta</i> R.Br	19	21.400	2.865	0.475	2.500	1.200	1.143	6.508
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	7	10.500	1.406	0.175	0.921	1.410	1.343	3.670
16	<i>Hygroryza aristata</i> (Retzius) Nees	17	21.000	2.811	0.425	2.237	2.070	1.971	7.020
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	27	37.000	4.953	0.675	3.553	2.000	1.905	10.411
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	26	34.000	4.552	0.650	3.421	3.400	3.238	11.211
19	<i>Trapa natans</i> L.	20	26.000	3.481	0.500	2.632	1.900	1.810	7.922
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	9	10.500	1.406	0.225	1.184	3.000	2.857	5.447
21	<i>Vetiveria zizanoides</i>	3	2.500	0.335	0.075	0.395	3.000	2.857	3.587
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	8	10.500	1.406	0.200	1.053	4.000	3.810	6.268
23	<i>Cyperus iria</i>	7	5.500	0.736	0.175	0.921	2.500	2.381	4.038
24	<i>Cyperus compressus</i> Linn.	8	8.900	1.191	0.200	1.053	4.000	3.810	6.054
25	<i>Cyperus corymbosus</i> Rottb.	8	10.500	1.406	0.200	1.053	4.000	3.810	6.268
26	<i>Hymenachne assamica</i> Hitch	3	2.500	0.335	0.075	0.395	2.500	2.381	3.110
27	<i>Echinodorus angustifolius</i>	6	5.500	0.736	0.150	0.789	1.777	1.692	3.218
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	5	4.500	0.602	0.125	0.658	1.666	1.587	2.847
29	<i>Scirpus eriophorum</i>	2	2.500	0.335	0.050	0.263	2.000	1.905	2.503
30	<i>Marselia quadrifolia</i> L.	30	39.000	5.221	0.750	3.947	2.143	2.041	11.209
31	<i>Monochoria hastata</i> (L) Solm.	28	35.000	4.685	0.700	3.684	2.333	2.222	10.592

32	<i>Monochoria</i> (Barm.f) Presl.	26	34.000	4.552	0.650	3.421	2.070	1.971	9.944
33	<i>Polygonum barbatum</i> Linn.	9	10.500	1.406	0.225	1.184	3.000	2.857	5.447
34	<i>Polygonum hydropiper</i> Linn.	3	2.500	0.335	0.075	0.395	2.500	2.381	3.110
35	<i>Polygonum blabrum</i> Willd.	6	5.500	0.736	0.150	0.789	1.777	1.429	2.954
36	<i>Sagittaria trifolia</i> L.	12	12.500	1.673	0.300	1.579	1.500	1.429	4.681
37	<i>Cynodon dactylon</i> L.	1	2.500	0.335	0.025	0.132	1.000	0.952	1.419
38	<i>Digitaria ciliaris</i>	6	4.500	0.602	0.150	0.789	1.777	1.692	3.084
39	<i>Portulaca oleracea</i> L.	7	8.900	1.191	0.175	0.921	1.880	1.790	3.903
40	<i>Brachiaria mutica</i> (Forssk.) Stapf	7	7.500	1.004	0.175	0.921	1.880	1.790	3.716
41	<i>Eragrostis unioloides</i>	2	2.500	0.335	0.050	0.263	2.000	1.905	2.503
42	<i>Hemarthria compressa</i> L	2	2.500	0.335	0.050	0.263	2.000	1.905	2.503
43	<i>Pogonatherum crinitum</i>	7	10.500	1.406	0.175	0.921	1.770	1.686	4.012
44	<i>Centella asiatica</i>	19	23.000	3.079	0.475	2.500	2.110	2.010	7.589
45	<i>Hydrocotyle sibthorpioides</i>	5	4.500	0.602	0.125	0.658	1.660	1.581	2.841
46	<i>Colocasia esculenta</i> (L.) Schott	9	10.500	1.406	0.225	1.184	3.000	2.857	5.447
47	<i>Commelina benghalensis</i> L.	11	12.500	1.673	0.275	1.447	1.700	1.619	4.740

Table no. 46 (continuous 3 parts table)
2016-17
(IVI) Pre Monsoon
Importance Value Index of Plant species of Diplai Beel

Serial No.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	353	112.500	13.505	8.825	36.771	7.844	7.471	57.747
2	<i>Pistia stratiotes</i> L.	8	10.500	1.261	0.200	0.833	1.333	1.270	3.363
3	<i>Lemna perpusilla</i> Torry	9	10.500	1.261	0.225	0.938	1.500	1.429	3.627
4	<i>Azolla pinnata</i> R.Br.	5	4.500	0.540	0.125	0.521	1.666	1.587	2.648
5	<i>Salvinia natans</i> (L) All.	10	12.500	1.501	0.250	1.042	1.000	0.952	3.495
6	<i>Salvinia cucullata</i>	30	35.000	4.202	0.750	3.125	2.142	2.040	9.367
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	8	10.500	1.261	0.200	0.833	1.333	1.270	3.363
8	<i>Wolffia globosa</i>	10	12.500	1.501	0.250	1.042	3.100	2.952	5.495
	Submerged (anchored)								0.000
9	<i>Hydrilla verticillata</i> (L.f.) Royle	18	23.000	2.761	0.450	1.875	1.200	1.143	5.779
10	<i>Potamogeton crispus</i>	14	15.700	1.885	0.350	1.458	2.000	1.905	5.248
11	<i>Vallisneria spiralis</i>	8	10.500	1.261	0.200	0.833	2.500	2.381	4.475
12	<i>Vallisneria natans</i> (Lour) H.Hara	22	25.000	3.001	0.550	2.292	1.400	1.333	6.626

	Submerged (suspended)								0.000
13	<i>Cerratophyllum demersum</i> Linn.	22	24.500	2.941	0.550	2.292	2.000	1.905	7.138
14	<i>Utricularia exoleta</i> R.Br	12	12.500	1.501	0.300	1.250	1.500	1.429	4.179
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	5	4.500	0.540	0.125	0.521	1.666	1.587	2.648
16	<i>Hygroryza aristata</i> (Retzius) Nees	18	23.000	2.761	0.450	1.875	1.200	1.143	5.779
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	31	35.500	4.262	0.775	3.229	1.610	1.533	9.024
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	43	47.800	5.738	1.075	4.479	2.500	2.381	12.598
19	<i>Trapa natans</i> L.	42	44.000	5.282	1.050	4.375	2.400	2.286	11.943
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	16	18.500	2.221	0.400	1.667	3.400	3.238	7.126
21	<i>Vetiveria zizanoides</i>	6	5.500	0.660	0.150	0.625	1.500	1.429	2.714
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	11	12.500	1.501	0.275	1.146	3.500	3.333	5.980
23	<i>Cyperus iria</i>	12	12.500	1.501	0.300	1.250	3.500	3.333	6.084
24	<i>Cyperus compressus</i> Linn.	21	26.000	3.121	0.525	2.188	1.222	1.164	6.473
25	<i>Cyperus corymbosus</i> Rottb.	5	4.500	0.540	0.125	0.521	1.666	1.587	2.648
26	<i>Hymenachne assamica</i> Hitch	7	10.500	1.261	0.175	0.729	1.770	1.686	3.675
27	<i>Echinodorus angustifolius</i>	5	4.500	0.540	0.125	0.521	1.666	1.587	2.648
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	7	10.500	1.261	0.175	0.729	1.770	1.686	3.675
29	<i>Scirpus eriophorum</i>	6	5.500	0.660	0.150	0.625	1.560	1.486	2.771

30	<i>Marselia quadrifolia</i> L.	28	31.000	3.721	0.700	2.917	3.500	3.333	9.971
31	<i>Monochoria hastata</i> (L) Solm.	11	12.500	1.501	0.275	1.146	3.500	3.333	5.980
32	<i>Monochoria</i> (Barm.f) Presl.	21	26.000	3.121	0.525	2.188	1.500	1.429	6.737
33	<i>Polygonum barbatum</i> Linn.	25	28.000	3.361	0.625	2.604	3.200	3.048	9.013
34	<i>Polygonum hydropiper</i> Linn.	18	21.000	2.521	0.450	1.875	1.200	1.143	5.539
35	<i>Polygonum blabrum</i> Willd.	22	26.000	3.121	0.550	2.292	1.466	1.396	6.809
36	<i>Sagittaria trifolia</i> L.	9	10.500	1.261	0.225	0.938	3.000	2.857	5.055
37	<i>Cynodon dactylon</i> L.	2	2.500	0.300	0.050	0.208	2.000	1.905	2.413
38	<i>Digitaria ciliaris</i>	1	2.500	0.300	0.025	0.104	1.000	0.952	1.357
39	<i>Portulaca oleracea</i> L.	3	2.500	0.300	0.075	0.313	2.500	2.381	2.994
40	<i>Brachiaria mutica</i> (Forssk.) Stapf	12	14.000	1.681	0.300	1.250	3.100	2.952	5.883
41	<i>Eragrostis uniolooides</i>	8	10.500	1.261	0.200	0.833	4.000	3.810	5.903
42	<i>Hemarthria compressa</i> L	3	2.500	0.300	0.075	0.313	2.500	2.381	2.994
43	<i>Pogonatherum crinitum</i>	4	3.500	0.420	0.100	0.417	1.333	1.270	2.106
44	<i>Centella asiatica</i>	11	12.500	1.501	0.275	1.146	4.000	3.810	6.456
45	<i>Hydrocotyle sibthorpioides</i>	1	2.500	0.300	0.025	0.104	1.000	0.952	1.357
46	<i>Colocasia esculenta</i> (L.) Schott	15	17.000	2.041	0.375	1.563	1.110	1.057	4.660
47	<i>Commelina benghalensis</i> L.	19	23.000	2.761	0.475	1.979	2.111	2.010	6.751

Table no. 47 (continuous 3 parts table)

2016-17

(IVI) Monsoon

Importance Value Index of Plant species of Diplai Beel

Serial no.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	484	135.000	11.853	12.100	39.032	8.963	8.963	59.848
2	<i>Pistia stratiotes</i> L.	21	35.000	3.073	0.525	1.694	3.500	3.500	8.266
3	<i>Lemna perpusilla</i> Torrey	18	28.000	2.458	0.450	1.452	1.200	1.200	5.110
4	<i>Azolla pinnata</i> R.Br.	17	21.000	1.844	0.425	1.371	1.100	1.100	4.315
5	<i>Salvinia natans</i> (L) All.	17	22.000	1.932	0.425	1.371	1.100	1.100	4.402
6	<i>Salvinia cucullata</i>	29	37.000	3.248	0.725	2.339	2.110	2.110	7.697
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	10	12.500	1.097	0.250	0.806	3.000	3.000	4.904
8	<i>Wolffia globosa</i>	1	2.500	0.219	0.025	0.081	1.000	1.000	1.300
	Submerged (anchored)								0.000
9	<i>Hydrilla verticillata</i> (L.f.) Royle	36	39.000	3.424	0.900	2.903	2.400	2.400	8.727
10	<i>Potamogeton crispus</i>	32	42.000	3.687	0.800	2.581	1.330	1.330	7.598
11	<i>Vallisneria spiralis</i>	35	45.000	3.951	0.875	2.823	2.100	2.100	8.873

12	<i>Vallisneria natans</i> (Lour) H.Hara	25	32.000	2.809	0.625	2.016	2.100	2.100	6.926
	Submerged (suspended)								0.000
13	<i>Ceratophyllum demersum</i> Linn.	35	43.000	3.775	0.875	2.823	2.100	2.100	8.698
14	<i>Utricularia exoleta</i> R.Br	18	28.000	2.458	0.450	1.452	1.200	1.200	5.110
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	21	34.000	2.985	0.525	1.694	3.500	3.500	8.179
16	<i>Hydroryza aristata</i> (Retzius) Nees	15	20.000	1.756	0.375	1.210	1.110	1.110	4.076
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	34	43.600	3.828	0.850	2.742	1.416	1.416	7.986
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	38	45.700	4.012	0.950	3.065	2.110	2.110	9.187
19	<i>Trapa natans</i> L.	35	42.500	3.731	0.875	2.823	2.200	2.200	8.754
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	13	14.800	1.299	0.325	1.048	2.500	2.500	4.848
21	<i>Vetiveria zizanooides</i>	15	17.000	1.493	0.375	1.210	1.110	1.110	3.812
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	21	25.000	2.195	0.525	1.694	2.100	1.500	5.388
23	<i>Cyperus iria</i>	12	15.500	1.361	0.300	0.968	1.500	1.500	3.829
24	<i>Cyperus compressus</i> Linn.	19	25.000	2.195	0.475	1.532	2.111	2.111	5.838
25	<i>Cyperus corymbosus</i> Rottb.	12	14.500	1.273	0.300	0.968	1.500	1.500	3.741
26	<i>Hymenachne assamica</i> Hitch	20	27.900	2.450	0.500	1.613	3.000	3.000	7.062
27	<i>Echinodorus angustifolius</i>	1	2.500	0.219	0.025	0.081	1.000	1.000	1.300
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	8	10.500	0.922	0.200	0.645	1.333	1.333	2.900

29	<i>Scirpus eriophorum</i>	5	4.500	0.395	0.125	0.403	1.666	1.666	2.464
30	<i>Marselia quadrifolia</i> L.	23	32.000	2.809	0.575	1.855	1.500	1.500	6.164
31	<i>Monochoria hastata</i> (L) Solm.	24	28.000	2.458	0.600	1.935	1.600	1.600	5.994
32	<i>Monochoria</i> (Barm.f) Presl.	22	26.000	2.283	0.550	1.774	1.466	1.466	5.523
33	<i>Polygonum barbatum</i> Linn.	9	12.500	1.097	0.225	0.726	3.000	3.000	4.823
34	<i>Polygonum hydropiper</i> Linn.	15	16.900	1.484	0.375	1.210	3.200	3.200	5.893
35	<i>Polygonum blabrum</i> Willd.	5	4.500	0.395	0.125	0.403	1.666	1.666	2.464
36	<i>Sagittaria trifolia</i> L.	9	12.600	1.106	0.225	0.726	3.000	3.000	4.832
37	<i>Cynodon dactylon</i> L.	4	3.500	0.307	0.100	0.323	1.333	1.333	1.963
38	<i>Digitaria ciliaris</i>	3	2.500	0.219	0.075	0.242	1.000	1.000	1.461
39	<i>Portulaca oleracea</i> L.	10	12.500	1.097	0.250	0.806	3.000	3.000	4.904
40	<i>Brachiaria mutica</i> (Forssk.) Stapf	12	15.000	1.317	0.300	0.968	3.200	3.200	5.485
41	<i>Eragrostis unioloides</i>	6	5.500	0.483	0.150	0.484	1.770	1.770	2.737
42	<i>Hemarthria compressa</i> L	9	12.500	1.097	0.225	0.726	3.000	3.000	4.823
43	<i>Pogonatherum crinitum</i>	12	14.600	1.282	0.300	0.968	3.000	3.000	5.250
44	<i>Centella asiatica</i>	14	16.800	1.475	0.350	1.129	1.110	1.110	3.714
45	<i>Hydrocotyle sibthorpioides</i>	20	28.000	2.458	0.500	1.613	1.330	1.330	5.401
46	<i>Colocasia esculenta</i> (L.) Schott	15	17.000	1.493	0.375	1.210	1.550	1.550	4.252
47	<i>Commelina benghalensis</i> L.	13	14.000	1.229	0.325	1.048	1.000	1.000	3.278

Table no. 48 (continuous 3 parts table)

2016-17

(IVI) Post Monsoon

Importance Value Index of Plant species of Diplai Beel

Serial no.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	302	102.500	11.499	7.550	30.200	7.366	7.440	49.139
2	<i>Pistia stratiotes</i> L.	10	12.500	1.403	0.250	1.000	3.000	3.030	5.433
3	<i>Lemna perpusilla</i> Torrey	17	21.000	2.357	0.425	1.700	1.500	1.515	5.572
4	<i>Azolla pinnata</i> R.Br.	12	14.600	1.639	0.300	1.200	2.500	2.525	5.364
5	<i>Salvinia natans</i> (L) All.	16	19.000	2.132	0.400	1.600	3.100	3.131	6.864
6	<i>Salvinia cucullata</i>	9	12.500	1.403	0.225	0.900	1.500	1.515	3.818
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	5	4.500	0.505	0.125	0.500	1.666	1.683	2.688
8	<i>Wolffia globosa</i>	1	2.500	0.281	0.025	0.100	1.000	1.010	1.391
	Submerged (anchored)								0.000
9	<i>Hydrilla verticillata</i> (L.f.) Royle	47	48.000	5.387	1.175	4.700	1.470	1.485	11.572
10	<i>Potamogeton crispus</i>	27	26.000	2.918	0.675	2.700	2.100	2.121	7.739
11	<i>Vallisneria spiralis</i>	16	17.000	1.908	0.400	1.600	1.770	1.788	5.296

12	<i>Vallisneria natans</i> (Lour) H.Hara	22	25.000	2.806	0.550	2.200	2.000	2.020	7.026
	Submerged (suspended)								0.000
13	<i>Ceratophyllum demersum</i> Linn.	28	32.000	3.591	0.700	2.800	2.200	2.222	8.614
14	<i>Utricularia exoleta</i> R.Br	33	34.000	3.816	0.825	3.300	3.000	3.030	10.146
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	10	12.500	1.403	0.250	1.000	3.000	3.030	5.433
16	<i>Hygroryza aristata</i> (Retzius) Nees	14	15.500	1.740	0.350	1.400	3.000	3.030	6.170
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	38	41.000	4.602	0.950	3.800	2.840	2.869	11.270
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	34	35.300	3.962	0.850	3.400	2.000	2.020	9.382
19	<i>Trapa natans</i> L.	44	46.000	5.163	1.100	4.400	3.000	3.030	12.593
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	20	27.000	3.030	0.500	2.000	1.900	1.919	6.949
21	<i>Vetiveria zizanooides</i>	8	10.500	1.178	0.200	0.800	1.333	1.346	3.325
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	15	17.500	1.964	0.375	1.500	3.200	3.232	6.696
23	<i>Cyperus iria</i>	9	10.500	1.178	0.225	0.900	3.000	3.030	5.109
24	<i>Cyperus compressus</i> Linn.	19	21.000	2.357	0.475	1.900	1.357	1.371	5.628
25	<i>Cyperus corymbosus</i> Rottb.	5	4.500	0.505	0.125	0.500	1.666	1.683	2.688
26	<i>Hymenachne assamica</i> Hitch	8	10.500	1.178	0.200	0.800	2.000	2.020	3.999
27	<i>Echinodorus angustifolius</i>	26	28.000	3.143	0.650	2.600	2.000	2.020	7.763

28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	15	17.000	1.908	0.375	1.500	2.000	2.020	5.428
29	<i>Scirpus eriophorum</i>	5	4.500	0.505	0.125	0.500	1.660	1.677	2.682
30	<i>Marselia quadrifolia</i> L.	26	30.000	3.367	0.650	2.600	3.400	3.434	9.401
31	<i>Monochoria hastata</i> (L) Solm.	19	23.000	2.581	0.475	1.900	2.000	2.020	6.502
32	<i>Monochoria</i> (Barm.f) Presl.	18	23.000	2.581	0.450	1.800	1.200	1.212	5.593
33	<i>Polygonum barbatum</i> Linn.	7	10.500	1.178	0.175	0.700	2.000	0.202	2.080
34	<i>Polygonum hydropiper</i> Linn.	14	16.000	1.796	0.350	1.400	1.000	1.010	4.206
35	<i>Polygonum blabrum</i> Willd.	15	17.000	1.908	0.375	1.500	1.000	1.010	4.418
36	<i>Sagittaria trifolia</i> L.	5	4.500	0.505	0.125	0.500	1.666	1.683	2.688
37	<i>Cynodon dactylon</i> L.	3	2.500	0.281	0.075	0.000	2.000	2.020	2.301
38	<i>Digitaria ciliaris</i>	1	2.500	0.281	0.025	0.100	1.000	1.010	1.391
39	<i>Portulaca oleracea</i> L.	5	4.500	0.505	0.125	0.500	1.666	1.683	2.688
40	<i>Brachiaria mutica</i> (Forssk.) Stapf	2	2.500	0.281	0.050	0.200	2.000	2.020	2.501
41	<i>Eragrostis unioloides</i>	4	3.500	0.393	0.100	0.400	2.000	2.020	2.813
42	<i>Hemarthria compressa</i> L.	12	12.500	1.403	0.300	1.200	1.600	1.616	4.219
43	<i>Pogonatherum crinitum</i>	6	5.500	0.617	0.150	0.600	1.666	1.683	2.900
44	<i>Centella asiatica</i>	21	26.000	2.918	0.525	2.100	3.500	3.535	8.553
45	<i>Hydrocotyle</i> <i>sibthorpioides</i>	8	10.500	1.178	0.200	0.800	1.333	1.346	3.325
46	<i>Colocasia esculenta</i> (L.) Schott	8	10.500	1.178	0.200	0.800	1.333	1.346	3.325
47	<i>Commelina benghalensis</i> L.	12	14.500	1.627	0.300	1.200	3.100	3.131	5.959

Table no. 49 (continuous 3 parts table)

2016-17

(IVI) Winter

Importance Value Index of Plant species of Diplai Beel

SI no.	Macrophyte species	Total no of individual species of the species	Frequency	Relative Frequency	Density	Relative Density	Abundance	Relative Abundance	IVI
	Floating								
1	<i>Eichhornia crassipes</i> (Mart) Solms.	335	103.000	11.574	8.375	33.500	8.171	7.782	52.856
2	<i>Pistia stratiotes</i> L.	6	9.500	1.069	0.150	0.600	1.500	1.429	3.097
3	<i>Lemna perpusilla</i> Torrey	7	10.100	1.123	0.175	0.700	1.500	1.429	3.252
4	<i>Azolla pinnata</i> R.Br.	10	12.500	1.383	0.250	1.000	3.500	3.333	5.716
5	<i>Salvinia natans</i> (L) All.	13	15.000	1.659	0.325	1.300	1.700	1.619	4.578
6	<i>Salvinia cucullata</i>	18	13.000	1.438	0.450	1.800	1.880	1.790	5.029
7	<i>Spirodela polyrrhiza</i> (L) Schleiden	5	4.300	0.476	0.125	0.500	1.666	1.587	2.562
8	<i>Wolffia globosa</i>	5	4.300	0.476	0.125	0.500	1.666	1.587	2.562
	Submerged (anchored)								0.000
9	<i>Hydrilla verticillata</i> (L.f.) Royle	39	35.000	3.872	0.975	3.900	5.000	4.762	12.534
10	<i>Potamogeton crispus</i>	38	34.900	3.861	0.950	3.800	4.000	3.810	11.470
11	<i>Vallisneria spiralis</i>	33	38.000	4.204	0.825	3.300	1.500	1.429	8.932
12	<i>Vallisneria natans</i> (Lour) H.Hara	20	27.000	2.987	0.500	2.000	3.000	2.857	7.844
	Submerged (suspended)								0.000

13	<i>Cerratophyllum demersum</i> Linn.	28	30.000	3.319	0.700	2.800	2.077	1.978	8.097
14	<i>Utricularia exoleta</i> R.Br	22	27.000	2.987	0.550	2.200	1.466	1.396	6.583
	Rooted Floating Shoot								0.000
15	<i>Ipomoea aquatic</i> Forsk	17	21.000	2.323	0.425	1.700	1.150	1.095	5.118
16	<i>Hygroryza aristata</i> (Retzius) Nees	10	10.500	1.162	0.250	1.000	3.000	2.857	5.019
	Rooted Floating Leaves								0.000
17	<i>Nymphaea lotus</i> Linn.	38	34.980	3.869	0.950	3.800	2.000	1.905	9.574
18	<i>Nymphaea rubra</i> Roxb. Ex Salibs	29	31.000	3.429	0.725	2.900	2.550	2.429	8.758
19	<i>Trapa natans</i> L.	32	37.000	4.093	0.800	3.200	3.000	2.857	10.150
	Emargents								0.000
20	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	19	35.000	3.872	0.475	1.900	1.357	1.292	7.064
21	<i>Vetiveria zizanoides</i>	17	21.000	2.323	0.425	1.700	1.140	1.086	5.109
22	<i>Cyperus bravifolius</i> (Rottb.)Hassk.	15	17.500	1.936	0.375	1.500	1.500	1.429	4.864
23	<i>Cyperus iria</i>	13	15.500	1.715	0.325	1.300	3.000	2.857	5.872
24	<i>Cyperus compressus</i> Linn.	17	19.500	2.157	0.425	1.700	1.880	1.790	5.648
25	<i>Cyperus corymbosus</i> Rottb.	9	7.400	0.819	0.225	0.900	3.000	2.857	4.576
26	<i>Hymenachne assamica</i> Hitch	13	14.900	1.648	0.325	1.300	1.700	1.619	4.567
27	<i>Echinodorus angustifolius</i>	5	4.500	0.498	0.125	0.500	1.666	1.587	2.584
28	<i>Ipomoea fistulosa</i> Mart.ex. Choisy	4	3.400	0.376	0.100	0.400	1.000	0.952	1.728
29	<i>Scirpus eriophorum</i>	2	2.500	0.277	0.050	0.200	2.000	1.905	2.381
30	<i>Marselia quadrifolia</i> L.	36	39.000	4.314	0.900	3.600	1.416	1.349	9.263

31	<i>Monochoria hastata</i> (L) Solm.	29	31.000	3.429	0.450	1.800	2.500	2.381	7.610
32	<i>Monochoria</i> (Barm.f) Presl.	18	23.000	2.544	0.450	1.700	1.200	1.143	5.387
33	<i>Polygonum barbatum</i> Linn.	17	21.400	2.367	0.425	1.700	1.200	1.143	5.210
34	<i>Polygonum hydropiper</i> Linn.	3	2.500	0.277	0.075	0.300	3.000	2.857	3.434
35	<i>Polygonum blabrum</i> Willd.	5	4.500	0.498	0.125	0.500	1.666	1.587	2.584
36	<i>Sagittaria trifolia</i> L.	7	10.500	1.162	0.175	0.700	1.770	1.686	3.547
37	<i>Cynodon dactylon</i> L.	14	16.000	1.770	0.350	1.400	3.000	2.857	6.027
38	<i>Digitaria ciliaris</i>	3	2.500	0.277	0.075	0.300	1.500	1.429	2.005
39	<i>Portulaca oleracea</i> L.	5	4.500	1.120	0.125	0.500	1.770	1.686	3.306
40	<i>Brachiaria mutica</i> (Forssk.) Stapf	7	10.500	1.162	0.175	0.700	1.880	1.790	3.652
41	<i>Eragrostis unioides</i>	16	18.600	2.058	0.400	1.600	1.150	1.095	4.753
42	<i>Hemarthria compressa</i> L.	3	2.500	0.277	0.075	0.300	1.500	1.429	2.005
43	<i>Pogonatherum crinitum</i>	9	12.500	1.383	0.225	0.900	3.000	2.857	5.140
44	<i>Centella asiatica</i>	3	2.500	0.277	0.075	0.300	3.000	2.857	3.434
45	<i>Hydrocotyle sibthorpioides</i>	10	12.800	1.416	0.250	1.000	3.000	2.857	5.273
46	<i>Colocasia esculenta</i> (L.) Schott	10	13.000	1.438	0.250	0.000	3.000	2.857	4.295
47	<i>Commelina benghalensis</i> L.	19	23.000	2.544	0.475	1.900	1.500	1.429	5.873