

**ANNEX - 1**  
**Sarlahi District**

S. N	Land Type	Altitude (m)	pH	OM (%)	N (%)	P <sub>2</sub> O <sub>5</sub> (Kg ha <sup>-1</sup> )	K <sub>2</sub> O (Kg ha <sup>-1</sup> )	Sand (%)	Silt (%)	Clay (%)	Textural Class
1	Bari	130.5	6.5	1.34	0.071	34	191	46	41	13	Loam
2	Bari	132	5.8	1.88	0.106	151	391	30	51	19	Silty Loam
3	Bari	136	6.8	1.21	0.078	40	143	36	49	15	Loam
4	Bari	131	5.6	0.94	0.049	84	296	56	35	9	Sandy Loam
5	Bari	138	7.0	1.07	0.056	18	76	58	33	9	Sandy Loam
6	Bari	132	6.9	1.21	0.028	22	181	42	45	13	Loam
7	Bari	150	7.0	0.80	0.056	50	210	52	37	11	Loam (B) to Sandy Loam
8	Bari	137	5.5	2.68	0.078	250	210	20	57	23	Silty Loam
9	Bari	141	7.1	1.47	0.092	166	763	36	43	21	Loam
10	Bari	142	6.8	1.88	0.063	123	324	38	47	15	Loam
11	Bari	141	5.1	1.74	0.099	77	238	12	53	35	Silty Clay Loam
12	Bari	151	6.0	1.34	0.085	143	172	26	47	27	Clay Loam (B) to Loam
13	Bari	150	5.1	1.34	0.056	37	172	54	35	19	Sandy Loam
14	Bari	155	5.6	1.61	0.063	32	172	58	30	12	Sandy Loam
15	Bari	173	7.0	1.21	0.049	26	114	52	32	16	Loam
16	Bari	167	6.6	1.34	0.071	16	191	58	30	12	Sandy Loam
17	Bari	160	5.0	1.34	0.056	14	105	46	42	12	Loam
18	Bari	164	5.2	1.34	0.063	20	114	42	48	10	Loam
19	Bari	153	5.3	0.94	0.049	40	191	36	50	14	Loam
20	Bari	148	5.6	1.61	0.078	256	181	38	48	14	Loam
21	Bari	154	7.0	1.47	0.049	154	191	60	28	12	Sansy Loam
22	Bari	151	6.1	1.47	0.063	380	448	44	44	12	Loam
23	Bari	161	5.3	1.61	0.071	135	124	16	58	20	Silty Loam
24	Bari	151	5.3	1.34	0.042	128	133	48	32	20	Loam
25	Bari	167	5.2	1.34	0.028	72	143	31	51	18	Silty Loam
26	Bari	171	6.5	1.21	0.056	36	172	39	45	16	Loam
27	Bari	161	5.2	0.94	0.056	138	162	37	49	14	Loam
28	Bari	171	6.3	0.94	0.099	155	810	51	37	12	Loam
29	Bari	176	5.5	0.80	0.042	41	172	49	37	24	Loam
30	Bari	176	5.1	1.07	0.056	51	191	33	51	16	Silty Loam
31	Bari	143	5.5	0.67	0.071	35	114	47	39	14	Loam
32	Bari	150	5.6	1.21	0.042	84	189	39	47	14	Loam
33	Bari	164	5.1	1.21	0.071	171	236	29	49	22	Loam

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34	Bari	161	4.6	0.81	0.035	23	151	41	43	16	Loam
35	Bari	168	4.7	1.47	0.071	76	142	17	59	24	Silty Loam
36	Bari	156	5.3	1.21	0.042	40	142	26	54	20	Silty Loam
37	Bari	160	4.3	1.07	0.071	54	170	12	54	34	Silty Clay Loam
38	Bari	155	4.7	1.47	0.071	53	189	30	46	24	Loam
39	Bari	174	5.3	0.40	0.021	22	113	78	12	10	Sandy Loam
40	Bari	144	5.3	1.74	0.063	55	179	40	38	22	Loam
41	Bari	149	5.1	1.07	0.063	73	113	33	46	21	Loam
42	Bari	148	4.6	1.34	0.056	93	151	27	52	21	Silty Loam
43	Bari	151	5.1	0.94	0.042	48	142	59	26	15	Silty Loam
44	Bari	201	4.6	1.07	0.063	53	160	21	58	21	Silty Loam
45	Bari	201	3.1	1.21	0.042	251	406	37	40	23	Loam
46	Bari	200	4.9	1.21	0.035	129	283	47	40	13	Loam
47	Bari	206	4.8	1.21	0.042	25	198	27	48	25	Loam
48	Bari	193	4.9	0.80	0.071	70	831	19	38	43	Clay
49	Bari	183	5.2	0.94	0.056	29	142	27	50	23	Loam (B) to Silty Loam
50	Bari	181	4.6	1.07	0.078	111	142	53	28	19	Sandy Loam
51	Bari	171	5.0	1.34	0.063	26	1209	25	38	37	Clay Loam
52	Bari	175	4.8	3.22	0.113	171	510	19	44	37	Silty Clay Loam
53	Bari	161	5.0	1.61	0.071	55	255	37	42	21	Loam
54	Bari	160	4.9	1.47	0.056	57	255	47	32	27	Clay Loam (B) to Loam
55	Bari	153	6.0	1.88	0.092	81	491	25	49	26	Loam
56	Bari	240	4.5	4.35	0.092	189	132	53	29	18	Sandy Loam
57	Bari	240	4.9	0.80	0.035	57	189	65	21	14	Sandy Loam
58	Bari	220	5.2	2.95	0.092	172	189	57	24	19	Sandy Loam
59	Bari	221	5.0	1.88	0.063	92	151	13	56	31	Silty Clay Loam
60	Bari	216	4.8	1.88	0.056	256	189	51	30	19	Loam
61	Bari	213	5.0	1.21	0.071	87	160	29	40	31	Clay Loam
62	Bari	168	4.8	1.88	0.063	124	236	53	32	15	Sandy Loam
63	Bari	163	5.2	1.21	0.042	81	203	67	22	11	Sandy Loam
64	Bari	260	5.3	2.28	0.078	368	765	53	28	19	Sandy Loam

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1	Ket	130	6.4	0.67	0.071	24	162	36	47	17	Loam
2	Khet	131	6.0	1.61	0.099	37	181	30	51	19	Silty Loam
3	Khet	140	5.5	1.34	0.078	98	324	54	29	17	Sandy Loam
4	Khet	146	5.9	1.47	0.078	34	124	26	56	18	Silty Loam
5	Khet	156	5.5	1.74	0.071	111	181	22	58	20	Silty Loam
6	Khet	149	7.1	1.47	0.078	50	210	26	54	20	Silty Loam
7	Khet	149	5.9	2.14	0.092	195	524	32	50	18	Loam (B) to Silty Loam
8	Khet	150	7.0	1.47	0.049	27	143	34	54	12	Silty Loam
9	Khet	144	5.7	2.01	0.071	134	229	9	57	34	Silty Clay Loam
10	Khet	150	5.8	1.07	0.049	34	179	17	63	20	Silty Loam
11	Khet	160	5.4	1.34	0.056	63	142	23	59	18	Silty Loam
12	Khet	169	4.9	1.88	0.078	174	160	21	55	24	Silty Loam
13	Khet	153	5.6	1.61	0.063	375	1284	41	43	16	Loam
14	Khet	148	4.7	2.41	0.078	69	217	8	48	44	Sandy Clay
15	Khet	146	4.6	1.61	0.092	67	217	6	54	40	Silty Clay Loam
16	Khet	177	4.7	1.74	0.099	38	123	8	54	38	Silty Clay Loam
17	Khet	180	5.4	1.61	0.063	27	142	18	50	32	Silty Clay Loam
18	Khet	180	5.5	1.88	0.049	20	142	24	50	26	Loam (B) to Silty Loam
19	Khet	198	5.6	1.34	0.056	18	123	20	50	30	Clay Loam (B) to Silty Clay Loam
20	Khet	197	5.5	1.07	0.035	20	113	32	48	20	Loam
21	Khet	177	5.5	1.74	0.063	7	75	62	24	14	Sandy Loam
22	Khet	169	4.7	1.61	0.071	114	245	22	52	26	Silty Loam
23	Khet	172	5.2	1.47	0.049	50	160	42	41	16	Loam
24	Khet	140	5.1	1.07	0.063	31	142	34	46	20	Loam
25	Khet	147	5.0	1.07	0.035	54	151	37	46	17	Loam
26	Khet	161	5.0	1.74	0.078	100	255	31	46	23	Loam
27	Khet	148	5.5	1.74	0.092	67	406	29	43	28	Clay Loam
28	Khet	159	5.0	1.88	0.056	114	160	47	33	20	Loam
29	Khet	160	6.0	2.14	0.071	277	285	33	41	26	Loam
30	Khet	154	5.6	2.14	0.078	217	349	55	31	24	Sandy Loam

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31	Khet	451	5.0	2.55	0.092	223	236	29	43	28	Clay Loam
32	Khet	199	5.0	1.34	0.078	167	208	45	37	28	Loam
33	Khet	209	4.5	1.61	0.092	30	66	33	41	26	Loam
34	Khet	219	5.0	1.61	0.056	17	94	31	43	26	Loam
35	Khet	232	4.9	1.34	0.035	83	142	49	33	18	Loam
36	Khet	190	6.0	0.80	0.071	10	123	19	53	28	Silty Clay Loam
37	Khet	238	5.0	1.74	0.042	259	142	57	25	18	Sandy Loam
38	Khet	237	5.0	1.74	0.056	147	85	49	33	18	Loam
39	Khet	243	5.5	2.68	0.113	132	236	15	49	36	Silty Clay Loam
40	Khet	164	5.8	1.88	0.085	126	189	15	58	27	Silty Clay Loam
41	Khet	242	4.7	1.34	0.042	97	66	63	22	15	Sandy Loam
42	Khet	249	5.0	1.88	0.071	238	302	69	22	9	Sandy Loam
43	Khet	234	5.0	1.74	0.063	76	113	37	42	21	Loam
44	Khet	250	5.5	1.07	0.063	8	123	33	38	27	Clay Loam (B) to Loam
45	Khet	259	6.5	1.61	0.063	41	245	33	36	31	Clay Loam
46	Khet	276	6.0	1.61	0.063	102	113	33	46	21	Loam
47	Khet	276	4.6	0.94	0.035	8	104	27	50	23	Loam (B) to Silty Loam
48	Khet	261	5.2	1.21	0.078	65	85	49	30	21	Loam

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1	Bari	280	4.5	1.21	0.028	122	406	65	23	12	Sandy Loam
2	Bari	277	4.6	1.61	0.035	198	217	69	25	16	Sandy Loam
3	Bari	264	4.2	1.47	0.063	83	170	47	31	22	Loam
4	Bari	264	5.2	1.74	0.049	10	633	45	37	18	Loam
5	Bari.	220	5.2	0.94	0.042	64	264	61	29	10	Sandy Loam
6	Bari	226	4.9	1.34	0.063	74	179	45	39	16	Loam
7	Bari	282	7.0	1.47	0.063	89	661	73	11	16	Sandy Loam
8	Bari	250	5.0	1.38	0.042	1.73	160	47	37	16	Loam
9	Bari	259	4.5	1.88	0.063	104	123	33	47	20	Loam
10	Bari	275	4.5	1.74	0.056	69	94	39	43	28	Loam
11	Bari	280	5.0	1.21	0.049	166	368	55	27	18	Sandy Loam
12	Bari	265	4.5	1.88	0.035	225	189	43	37	20	Loam
13	Bari	275	4.5	1.07	0.056	30	396	49	23	28	Sandy Clay Loam
14	Bari	278	4.9	1.74	0.056	69	189	31	45	24	Loam
15	Bari	300	4.7	1.61	0.049	219	274	58	27	20	Sandy Clay Loam (B) to Sandy Loam

16	Bari	283	4.5	1.07	0.028	41	160	59	20	21	Sandy Clay Loam (B) to Sandy Loam
17	Bari	241	4.7	1.47	0.063	64	179	49	31	20	Loam
18	Bari	223	5.2	1.21	0.049	97	236	45	37	28	Loam
19	Bari	255	4.8	1.47	0.056	46	312	41	35	24	Loam

**Mahottari District**

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1	Khet	278	4.7	1.34	0.056	82	236	35	47	18	Loam
2	Khet	285	4.2	0.54	0.042	10	104	53	35	12	Loam
3	Khet	265	4.4	1.61	0.078	19	85	18	55	26	Silty Loam
4	Khet	268	4.4	1.47	0.078	11	75	29	45	26	Loam
5	Khet	267	4.5	1.34	0.056	93	85	57	29	14	Sandy Loam
6	Khet	220	5.5	0.80	0.021	15	94	43	37	20	Loam
7	Khet	252	5.0	1.21	0.042	225	113	33	45	22	Loam
8	Khet	260	4.8	1.21	0.063	178	142	29	51	20	Silty Clay
9	Khet	257	4.5	2.68	0.049	128	132	43	41	16	Loam
10	Khet	260	6.0	1.88	0.049	205	302	29	49	22	Loam
11	Khet	180	5.5	1.74	0.063	164	160	31	43	26	Loam
12	Khet	251	4.6	2.95	0.063	311	123	35	45	20	Loam
13	Khet	264	5.0	1.34	0.042	177	151	45	37	18	Loam
14	Khet	282	5.0	1.74	0.078	184	208	25	47	28	Clay Loam
15	Khet	271	5.0	1.34	0.049	106	123	33	39	28	Clay Loam
16	Khet	253	4.5	1.07	0.063	180	85	39	45	16	Loam
17	Khet	243	5.4	2.28	0.071	120	198	29	49	22	Loam
18	Khet	253	6.0	1.88	0.063	132	170	25	45	30	Clay Loam
19	Khet	260	5.2	1.34	0.049	50	85	27	49	24	Loam
20	Khet	284	5.0	1.21	0.063	41	123	37	43	20	Loam
21	Khet	272	4.7	0.67	0.042	35	189	57	23	20	Sandy Clay Loam
22	Khet	287	5.0	0.94	0.049	21	302	35	33	31	Clay Loam
23	Khet	289	4.5	1.74	0.056	118	113	39	39	22	Loam
24	Khet	230	5.0	1.61	0.049	128	160	45	35	20	Loam
25	Khet	243	4.5	1.74	0.063	185	113	33	39	28	Clay Loam
26	Khet	271	5.1	0.94	0.035	23	321	51	29	20	Loam
27	Khet	260	4.7	1.34	0.056	222	170	43	37	20	Loam