

APPENDICES

Appendix I: Average temperature and rainfall of JAES, BJRI, Manikgonj in the year 2016 to 2018

Months	2016			2017			2018		
	Temperature (°C)		Rainfall (mm)	Temperature (°C)		Rainfall (mm)	Temperature (°C)		Rainfall (mm)
	Min.	Max.		Min.	Max.		Min.	Max.	
January	13.46	24.63	-	15.65	24.78	29.70	13.26	24.35	22.15
February	14.56	25.96	-	17.45	27.60	52.88	16.24	27.54	26.06
March	20.99	31.13	12.00	23.56	32.54	43.65	24.05	32.65	45.60
April	22.00	32.55	125.20	26.32	33.20	62.25	26.20	33.12	125.40
May	24.18	32.66	211.40	26.54	32.42	160.42	26.32	32.24	190.00
June	25.84	31.68	268.80	28.65	31.28	432.50	28.15	31.32	276.78
July	26.32	31.37	224.50	28.75	30.35	455.20	28.10	30.35	240.00
August	26.14	31.46	232.40	28.15	31.46	262.85	28.60	31.50	210.45
September	25.62	31.43	168.72	28.24	31.34	240.00	28.45	31.25	208.16
October	18.66	31.25	48.00	25.12	31.42	192.00	25.40	31.08	115.25
November	16.64	29.81	8.15	21.40	28.68	17.53	20.15	28.22	10.20
December	13.32	26.08	-	16.28	25.46	-	14.48	26.75	5.06
Mean	20.64	30.00	108.26	23.84	30.04	162.42	23.28	30.03	122.93

Source: Regional Meteorological station, BJRI, Manikgonj.

Appendix II: Pedigree record of thirty selected plants in F₂ generation of Tossa jute

P ₂ x P ₆							
SL. No.	Pedigree	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18 - 6	3.14	18.00	1.93	244	23.00	47.00
2.	18 - 9	2.97	14.80	1.73	200	14.80	38.80
3.	18 - 17	3.00	16.00	1.88	241	21.10	45.10
4.	18 - 30	2.97	17.50	1.89	246	22.80	46.80
5.	18 - 45	2.95	15.80	1.71	199	14.70	39.70
6.	18 - 51	2.92	16.80	1.85	248	19.60	43.60
7.	18 - 61	2.80	16.60	1.91	227	17.50	41.50
8.	18 - 73	3.00	15.60	1.84	230	17.80	41.80
9.	18 - 78	3.10	18.00	1.85	250	22.40	46.40
10.	18 - 88	2.97	14.80	1.91	229	20.30	44.30
11.	18 - 98	3.00	14.20	1.71	234	18.20	42.20
12.	18 - 99	3.10	14.20	1.98	252	20.00	44.00
13.	18 - 110	2.80	14.40	1.75	233	18.10	42.10
14.	18 - 113	3.07	17.20	1.95	233	21.90	45.90
15.	18 - 115	3.14	14.00	1.91	213	16.10	40.10
16.	18 - 125	2.65	15.60	1.81	242	21.20	45.20
17.	18 - 137	3.20	18.60	1.67	241	21.10	45.10
18.	18 - 146	3.05	19.00	1.84	240	18.80	42.80
19.	18 - 151	2.80	14.00	1.85	218	16.60	40.60
20.	18 - 162	3.20	15.80	1.69	245	22.70	46.70
21.	18 - 175	2.93	14.40	1.98	216	16.40	40.40
22.	18 - 186	2.95	18.00	1.95	217	22.50	38.50
23.	18 - 196	2.92	15.10	1.95	230	20.40	44.40
24.	18 - 210	2.97	18.60	1.75	249	22.30	46.30
25.	18 - 230	2.80	16.80	1.69	233	18.10	42.10
26.	18 - 236	3.20	16.30	1.91	211	15.90	39.90
27.	18 - 245	3.05	14.60	1.99	242	21.20	45.20
28.	18 - 255	2.80	13.80	2.00	243	19.10	43.10
29.	18 - 270	2.90	18.40	1.95	246	22.80	46.80
30.	18 - 295	2.77	14.00	1.89	216	16.40	40.40

P ₂ x P ₇							
SL. No.	Pedigree	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18-6	3.00	16.80	1.96	232	24.00	56.00
2.	18-14	3.20	17.80	1.85	229	18.90	51.90
3.	18-30	3.00	17.30	1.97	234	22.80	55.80
4.	18-39	3.20	17.80	1.98	233	19.30	52.30
5.	18-52	3.03	15.00	1.78	216	20.60	53.60
6.	18-54	2.80	17.80	1.96	236	22.60	55.60
7.	18-65	3.17	18.80	1.97	225	21.50	54.50
8.	18-67	3.10	16.80	1.95	205	16.50	49.50
9.	18-77	3.25	18.40	1.96	224	21.80	54.80
10.	18-78	3.10	19.20	1.99	238	22.40	55.40
11.	18-98	3.00	17.80	1.84	222	18.20	51.20
12.	18-100	3.10	17.00	1.97	220	20.20	53.20
13.	18-102	3.07	17.80	1.98	240	22.20	55.20
14.	18-113	2.90	15.20	1.81	221	21.90	54.90
15.	18-121	3.10	15.50	1.66	212	17.20	50.20
16.	18-126	3.25	20.60	1.92	232	23.00	56.00
17.	18-137	3.20	17.80	1.96	229	21.10	54.10
18.	18-139	3.00	15.40	1.90	209	16.90	49.90
19.	18-150	3.15	18.80	1.94	234	22.80	55.80
20.	18-159	2.80	15.60	1.56	233	19.30	52.30
21.	18-186	3.20	19.00	1.96	235	22.50	55.50
22.	18-197	3.03	17.20	1.97	224	21.80	54.80
23.	18-198	3.17	19.40	1.96	238	22.40	55.40
24.	18-217	2.85	15.20	1.96	220	18.00	51.00
25.	18-223	3.00	14.00	1.85	200	16.00	49.00
26.	18-233	3.20	18.80	1.98	221	21.90	44.90
27.	18-254	2.90	18.20	1.84	229	18.90	51.90
28.	18-258	3.17	19.40	1.94	231	22.90	55.90
29.	18-271	2.85	18.40	1.78	206	16.60	49.60
30.	18-282	3.30	17.20	1.96	233	22.70	55.70

P ₃ x P ₄							
SL. No.	Pedigree	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18-17	3.35	18.00	1.86	255	22.70	54.10
2.	18-27	3.55	20.60	1.99	260	21.00	50.40
3.	18-32	3.20	18.20	1.78	218	16.80	48.20
4.	18-43	3.15	18.00	1.96	233	18.30	49.70
5.	18-53	3.25	23.40	1.74	252	23.20	52.60
6.	18-61	3.55	20.20	1.81	241	19.10	50.50
7.	18-66	3.35	21.40	1.98	261	24.10	55.50
8.	18-77	3.40	21.00	1.66	250	23.40	52.80
9.	18-79	3.30	21.80	2.01	228	17.80	49.20
10.	18-88	3.17	18.60	1.92	243	21.90	53.30
11.	18-98	3.50	17.40	1.80	248	19.80	49.20
12.	18-102	3.35	22.20	1.95	266	23.80	53.20
13.	18-112	3.20	20.40	2.00	245	21.70	53.10
14.	18-126	3.45	19.40	1.99	258	24.60	54.00
15.	18-139	3.00	17.40	1.72	235	18.50	49.90
16.	18-162	3.60	20.60	1.96	259	24.30	55.70
17.	18-175	3.25	15.40	2.01	230	18.00	49.40
18.	18-186	3.20	18.00	1.86	261	24.10	55.50
19.	18-199	3.55	22.00	1.93	228	17.80	49.20
20.	18-210	3.35	21.20	2.00	263	23.90	51.30
21.	18-218	3.50	19.00	1.86	248	19.80	49.20
22.	18-222	3.45	22.20	1.99	226	23.80	53.20
23.	18-230	2.75	23.40	1.85	247	19.70	51.10
24.	18-234	3.60	20.80	1.98	265	23.70	55.10
25.	18-243	3.55	21.40	1.99	258	20.80	50.20
26.	18-258	3.40	22.00	1.73	257	25.50	55.90
27.	18-271	3.05	20.40	1.82	232	18.20	49.60
28.	18-281	3.55	20.40	1.99	253	22.90	54.30
29.	18-284	3.10	18.80	2.00	219	16.90	48.30
30.	18-294	3.45	21.20	1.95	262	24.20	53.60

P ₃ x P ₅							
SL. No.	Pedigree	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18-6	3.20	16.80	1.78	236	23.80	49.40
2.	18-16	2.92	18.28	1.93	215	21.70	47.30
3.	18-25	3.07	16.00	1.70	218	18.20	43.80
4.	18-43	3.17	17.80	2.00	211	17.50	43.10
5.	18-54	2.80	17.20	1.88	240	23.40	49.00
6.	18-62	3.25	17.80	2.00	229	19.30	44.90
7.	18-75	3.20	15.00	1.95	242	20.60	46.20
8.	18-79	3.30	18.80	1.98	206	17.00	42.60
9.	18-86	3.20	17.80	1.93	227	19.10	44.70
10.	18-100	3.10	19.00	1.80	224	21.00	46.60
11.	18-109	3.30	22.40	2.00	223	18.70	44.30
12.	18-114	3.15	17.80	1.93	243	22.90	48.50
13.	18-115	2.80	16.00	1.95	205	16.90	42.50
14.	18-127	3.00	17.20	1.98	212	17.60	43.20
15.	18-138	3.30	18.20	2.00	235	23.70	49.30
16.	18-148	2.85	16.40	1.93	218	21.60	47.20
17.	18-162	3.20	17.80	1.90	237	23.50	49.10
18.	18-169	3.25	18.80	2.00	220	18.40	44.00
19.	18-186	3.17	19.00	1.98	239	23.30	48.90
20.	18-197	3.07	18.60	1.93	228	22.60	48.20
21.	18-206	3.10	17.20	1.90	227	19.10	44.70
22.	18-209	3.30	19.60	1.98	242	22.50	48.10
23.	18-211	3.00	15.80	1.95	207	17.10	42.70
24.	18-220	3.20	20.00	2.00	224	21.00	46.60
25.	18-221	3.15	18.20	1.93	226	22.80	42.80
26.	18-234	3.20	17.20	1.90	243	22.90	48.50
27.	18-243	3.05	16.60	1.95	236	20.00	45.60
28.	18-257	2.85	18.80	1.18	233	21.90	47.50
29.	18-270	3.05	18.60	1.95	238	23.60	49.20
30.	18-295	3.25	19.60	1.85	208	17.20	42.80

P ₇ x P ₈							
SL. No.	Pedigree.	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18-6	3.20	16.40	1.90	212	22.00	41.40
2.	18-14	2.75	15.60	1.82	209	15.90	37.30
3.	18-29	3.20	16.40	1.75	208	18.40	39.80
4.	18-30	2.90	17.20	1.80	214	15.80	41.20
5.	18-40	2.90	13.60	1.56	193	17.70	39.10
6.	18-51	2.90	12.40	1.57	216	14.60	38.00
7.	18-55	2.75	13.80	1.70	180	13.40	31.80
8.	18-61	3.20	14.80	1.95	205	18.50	39.90
9.	18-66	2.90	12.80	1.85	195	14.50	35.90
10.	18-76	2.75	14.80	1.36	196	17.40	38.80
11.	18-79	2.80	16.20	1.96	178	13.20	34.60
12.	18-87	2.90	15.60	1.80	217	16.70	38.10
13.	18-90	3.20	16.80	1.90	217	19.30	40.70
14.	18-100	3.00	14.40	1.81	200	17.20	38.60
15.	18-109	2.90	14.80	1.65	199	14.90	36.30
16.	18-111	2.95	14.40	1.70	219	20.90	38.30
17.	18-123	3.20	17.00	1.66	212	16.20	37.60
18.	18-136	2.97	14.80	1.26	191	17.90	39.30
19.	18-147	3.10	15.40	1.90	214	16.40	37.80
20.	18-158	2.70	16.80	1.91	207	15.70	37.10
21.	18-173	3.20	16.40	1.85	194	14.60	40.00
22.	18-175	2.90	15.0	1.90	180	13.40	31.80
23.	18-182	2.70	15.40	1.96	205	15.50	36.90
24.	18-195	3.20	15.80	1.70	218	16.80	38.20
25.	18-210	3.10	17.00	1.95	217	19.30	40.70
26.	18-230	3.14	16.80	1.95	201	15.10	36.50
27.	18-257	3.10	17.20	1.42	209	18.10	39.50
28.	18-271	2.75	15.80	1.41	182	13.60	35.00
29.	18-279	3.10	14.80	1.57	213	19.70	37.70
30.	18-289	3.00	15.00	1.86	194	14.60	36.00

P ₅ x P ₂							
SL. No.	Pedigree	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18-4	3.25	17.00	1.90	216	19.40	46.00
2.	18-19	3.55	21.00	1.98	213	15.30	41.90
3.	18-27	3.20	18.20	1.98	238	17.80	44.40
4.	18-43	3.55	23.20	1.86	211	15.10	41.70
5.	18-51	3.20	14.80	1.54	240	18.00	44.60
6.	18-54	3.35	21.80	1.93	240	21.00	47.60
7.	18-66	3.55	19.70	1.74	239	20.90	46.50
8.	18-76	3.35	16.80	1.94	222	18.80	44.40
9.	18-79	3.30	17.00	1.98	206	14.60	40.20
10.	18-90	3.45	21.00	1.82	241	20.70	46.30
11.	18-98	3.40	14.80	1.98	226	16.60	42.20
12.	18-102	3.60	21.40	1.88	244	20.60	46.20
13.	18-115	3.25	23.20	1.90	205	14.50	40.10
14.	18-126	3.50	19.20	1.94	236	21.40	47.00
15.	18-137	3.55	16.80	1.68	233	19.50	45.10
16.	18-150	3.45	20.00	2.02	238	21.20	46.80
17.	18-163	3.35	17.80	1.86	211	15.10	40.70
18.	18-186	3.65	23.20	1.90	239	20.90	46.50
19.	18-196	3.15	17.60	1.90	222	18.80	44.40
20.	18-205	3.25	18.40	1.88	221	16.10	41.70
21.	18-210	3.55	22.40	1.93	241	20.70	46.30
22.	18-220	3.45	16.80	2.02	224	18.60	44.20
23.	18-222	3.48	20.00	1.94	244	20.60	46.20
24.	18-230	3.20	19.00	1.98	225	16.50	42.10
25.	18-234	3.35	21.00	1.86	243	20.50	46.10
26.	18-246	3.25	21.40	1.93	236	23.40	47.00
27.	18-259	3.30	20.40	1.94	213	15.30	40.90
28.	18-269	3.65	15.40	1.94	232	19.80	45.40
29.	18-282	3.48	23.40	1.90	237	21.10	46.70
30.	18-292	3.48	16.80	2.02	220	19.00	44.60

P ₆ x P ₃							
SL. No.	Pedigree	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18-3	3.05	20.80	1.92	244	18.20	47.60
2.	18-6	3.15	19.00	1.87	244	20.80	51.40
3.	18-14	3.50	17.00	1.92	241	16.70	47.30
4.	18-18	3.25	21.40	2.07	243	20.70	51.30
5.	18-28	2.95	16.80	1.95	226	18.60	49.20
6.	18-43	3.00	17.40	2.10	219	14.50	45.10
7.	18-53	3.40	16.20	2.02	238	19.60	50.00
8.	18-67	3.32	19.60	1.95	217	15.30	44.90
9.	18-78	3.35	19.20	1.77	250	21.20	50.80
10.	18-89	3.50	20.60	2.12	235	19.70	50.10
11.	18-103	3.10	19.00	2.05	212	14.80	44.40
12.	18-113	3.10	15.00	1.87	233	19.90	50.30
13.	18-126	3.55	17.70	2.12	244	20.80	51.40
14.	18-139	3.40	19.20	2.10	221	14.70	45.30
15.	18-150	3.22	20.40	1.97	246	20.60	51.20
16.	18-162	3.40	21.40	1.90	245	20.50	51.10
17.	18-171	3.40	18.40	1.75	248	17.60	48.00
18.	18-186	3.55	17.40	2.07	247	21.30	50.90
19.	18-198	3.50	17.70	2.00	250	17.80	50.80
20.	18-182	3.35	17.60	1.97	237	17.30	46.90
21.	18-219	3.05	16.00	2.07	252	18.00	48.40
22.	18-235	3.30	19.80	2.10	213	14.90	44.50
23.	18-247	3.10	20.80	1.97	220	14.60	45.20
24.	18-258	3.15	17.40	1.95	243	20.70	51.30
25.	18-265	2.70	14.80	2.05	226	16.40	45.80
26.	18-271	3.40	17.70	2.10	218	14.40	45.0
27.	18-279	2.90	15.60	1.77	245	18.30	47.70
28.	18-282	3.50	17.80	2.07	245	20.50	51.10
29.	18-293	3.40	19.20	1.95	238	19.60	50.00
30.	18-295	3.55	20.4	2.00	216	15.20	44.80

P ₇ x P ₅							
SL. No.	Pedigree	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18-6	3.55	19.80	1.96	253	22.40	54.00
2.	18-17	3.50	18.40	1.98	250	20.50	52.20
3.	18-31	3.10	15.40	1.78	227	16.00	47.60
4.	18-38	3.10	18.00	1.96	248	18.10	49.70
5.	18-53	3.20	17.80	1.84	247	21.00	52.60
6.	18-55	3.20	15.40	1.96	225	15.80	47.40
7.	18-66	3.32	19.50	1.78	246	21.90	53.50
8.	18-76	3.32	18.00	1.81	239	19.80	51.40
9.	18-78	3.40	19.00	1.96	259	21.80	53.40
10.	18-89	3.50	20.00	1.72	244	21.10	52.70
11.	18-91	3.30	19.60	1.90	224	15.70	47.30
12.	18-101	3.40	19.80	1.98	243	21.40	53.00
13.	18-103	3.55	16.40	1.69	221	15.40	47.00
14.	18-110	3.10	17.60	1.96	242	17.50	49.10
15.	18-114	3.05	18.00	1.99	260	21.50	53.10
16.	18-139	3.10	17.60	1.70	230	16.30	47.90
17.	18-150	3.32	19.00	1.68	255	22.20	53.80
18.	18-163	3.20	19.60	1.84	228	16.10	47.70
19.	18-173	3.55	19.80	1.99	247	21.00	52.60
20.	18-175	3.40	15.40	1.98	225	15.80	47.40
21.	18-186	3.40	18.00	1.97	256	21.90	53.50
22.	18-196	3.15	17.00	1.85	239	19.80	51.40
23.	18-198	3.00	16.00	1.91	259	21.80	53.40
24.	18-210	3.05	19.50	1.96	258	21.70	53.30
25.	18-223	3.32	16.00	1.86	221	15.40	47.00
26.	18-234	3.50	20.20	1.94	260	21.50	53.10
27.	18-246	3.40	18.60	1.72	253	16.20	54.00
28.	18-258	3.32	18.00	1.89	252	22.30	53.90
29.	18-270	3.55	19.50	1.98	255	22.20	53.80
30.	18-294	3.20	19.00	1.91	257	19.00	53.60

P ₈ x P ₂							
SL. No.	Pedigree	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18-4	3.15	15.10	1.80	222	19.80	48.00
2.	18-6	3.30	19.60	1.80	242	21.80	50.00
3.	18-14	3.10	16.80	1.85	239	17.70	45.90
4.	18-18	3.20	18.20	1.90	241	21.70	49.90
5.	18-29	3.35	19.60	1.86	238	21.40	48.80
6.	18-31	3.10	21.60	2.05	216	15.40	43.60
7.	18-41	3.30	19.40	1.95	237	21.30	48.30
8.	18-42	3.55	19.60	2.00	243	21.50	49.70
9.	18-55	3.50	15.80	1.80	214	16.20	43.40
10.	18-63	3.40	16.80	2.00	245	17.50	45.50
11.	18-79	3.45	15.00	1.85	212	15.00	42.20
12.	18-91	2.90	20.00	1.95	213	15.10	42.30
13.	18-98	3.40	15.20	1.80	232	17.00	44.20
14.	18-102	3.40	21.60	2.05	250	21.00	48.20
15.	18-115	3.30	14.00	1.60	211	14.90	42.10
16.	18-126	3.55	21.60	1.95	242	20.80	49.00
17.	18-138	3.25	16.80	1.80	241	20.70	48.90
18.	18-148	3.20	15.60	1.90	224	18.60	46.80
19.	18-150	3.35	18.80	1.90	244	20.60	48.80
20.	18-157	3.15	14.80	1.85	243	16.30	41.30
21.	18-175	3.55	14.80	1.90	214	15.20	40.40
22.	18-186	3.45	19.40	2.05	245	21.30	46.50
23.	18-198	3.35	20.00	1.85	248	15.70	46.40
24.	18-210	3.30	18.60	1.95	247	21.10	46.30
25.	18-222	3.45	19.60	1.90	250	17.00	46.20
26.	18-234	3.55	18.80	1.85	249	20.90	46.10
27.	18-246	3.32	19.00	1.95	242	18.80	43.00
28.	18-258	3.35	20.00	2.00	241	20.70	46.90
29.	18-270	3.45	21.60	1.65	244	14.40	46.80
30.	18-294	3.55	19.60	2.05	246	21.40	46.60

P ₈ x P ₄							
SL. No.	Pedigree	Plant height (m)	Base diameter (mm)	Green bark thickness (mm)	Green wt. without leaves (g)	Fibre weight (g)	Stick weight (g)
1.	18-6	3.23	16.60	1.80	272	26.40	54.00
2.	18-19	3.08	18.80	1.85	249	20.30	47.90
3.	18-30	2.90	19.00	1.85	274	26.20	53.80
4.	18-41	3.18	14.80	1.90	267	24.70	52.30
5.	18-55	3.00	17.80	1.75	244	19.80	47.40
6.	18-66	3.23	17.60	1.85	275	25.90	53.50
7.	18-77	2.95	18.00	1.75	264	25.20	52.80
8.	18-79	2.74	14.00	1.80	242	19.60	47.20
9.	18-90	3.18	16.80	1.95	277	25.70	53.30
10.	18-101	2.85	16.26	1.80	262	25.40	51.00
11.	18-102	3.15	16.39	1.90	230	20.60	53.20
12.	18-113	3.13	18.80	1.95	261	25.30	48.90
13.	18-126	3.18	16.60	1.85	252	24.40	54.00
14.	18-138	3.23	17.80	1.75	271	26.30	53.90
15.	18-141	3.23	17.80	1.55	229	18.30	45.90
16.	18-166	3.14	17.20	1.90	247	18.70	44.30
17.	18-174	3.04	14.20	1.95	276	19.80	53.60
18.	18-186	3.13	18.00	1.80	275	25.90	53.50
19.	18-198	3.08	16.26	2.00	278	23.20	49.40
20.	18-210	3.18	18.80	1.90	277	25.70	53.30
21.	18-221	3.05	18.00	1.80	262	17.70	50.00
22.	18-222	3.15	19.00	1.95	230	25.60	53.20
23.	18-233	2.80	16.60	1.95	261	25.30	44.90
24.	18-234	3.13	17.80	1.60	279	21.50	53.10
25.	18-246	3.15	14.20	1.85	272	22.20	54.00
26.	18-258	3.10	19.00	2.00	271	20.30	53.90
27.	18-270	3.14	17.20	1.85	274	26.20	53.80
28.	18-282	3.13	16.00	1.90	273	24.70	48.70
29.	18-293	3.05	17.00	2.00	266	22.00	52.60
30.	18-294	3.18	18.00	1.95	276	26.00	53.60