

APPENDIX I

GRIDWISE VALUE OF TOPOGRAPHIC ELEMENTS FOR MULTIPLE CORRELATION

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
1	0	0	0	0°46' 45"	0	-	-
2	140	60	80		0.571	2.5	16.6
3	120	60	60		0.5	2.38	4.76
4	140	60	80		0.571	0.13	1.33
5	160	60	100		0.625	1.02	2.04
6	0	0	0		0	1.5	4
7	120	60	60		0.5		
8	100	60	40		0.4		
9	80	60	20		0.25		
10	180	60	120		0.667		
11	120	60	60		0.5		
12	215	60	155		0.720	2.47	7.21
13	200	60	140		0.7	3.8	8
14	160	60	100		0.625	1.00	2
15	160	60	100		0.625	-	-
16	-	-	-		-	1.5	4
17	220	60	160		0.727	1.4	8
18	140	60	80	14°18' 19"	0.571	1	3.33
19	80	60	20	5°5' 9"	0.25	-	-

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
20	180	60	120	13 ⁰ 23' 24"	0.667	0.90	4.04
21	216	60	156	15 ⁰ 57' 37"	0.722	1.5	3
22	145	60	85	17 ⁰ 7' 78"	0.586	2.2	6
23	140	60	80	12 ⁰ 21' 49"	0.571	1.4	4
24	180	60	120	16 ⁰ 57' 42"	0.666	2.3	6
25	180	60	120	16 ⁰ 54' 33"	0.6	2.6	9
26	240	60	180	20 ⁰ 12' 13"	0.75	3.6	10
27	240	60	180	20 ⁰ 15' 14"	0.75	3.0	8
28	160	60	100	9 ⁰ 38' 52 "	0.625	2.4	5
29	260	60	200	18 ⁰ 31' 15"	0.769	3.0	8
30	260	60	200	14 ⁰ 27' 47"	0.769	1.87	7.5
31	100	60	40	4 ⁰ 20' 46"	0.4	-	-
32	100	60	40	4 ⁰ 44' 40"	0.4	-	-
33	100	60	40	3 ⁰ 5' 27"	0.4	1.2	3
34	120	60	60	4 ⁰ 20' 46"	0.5	0.8	1
35	120	60	60	3 ⁰ 29' 26"	0.5	0.1	1
36	200	60	140	10 ⁰ 28' 52"	0.7	1.0	2
37	240	60	180	15 ⁰ 0' 9"	0.75	0.7	8
38	240	60	180	15 ⁰ 6' 34 "	0.75	1.5	6
39	120	60	60	8 ⁰ 1' 32"	0.5	1.0	2
40	240	60	180	16 ⁰ 57' 42"	0.75	4.0	14
41	280	60	220	18 ⁰ 0' 14"	0.785	4.79	16.4
42	180	60	120	2 ⁰ 56' 53"	0.666	-	-
43	80	60	20	2⁰ 17' 26"	0.25	0.7	1

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
44	160	60	100	4 ⁰ 41' 15"	0.625	1.1	4
45	200	60	140	12 ⁰ 13' 17"	0.7	1.1	1
46	180	60	120	14 ⁰ 8' 38"	0.66	1.6	3
47	220	60	160	15 ⁰ 41' 43"	0.727	1.5	5
48	180	60	120	11 ⁰ 28' 30"	0.666	1.2	4
49	-	-	-	1 ⁰ 8' 44"	-	1.1	1
50	200	60	140	11 ⁰ 2' 3"	0.70.859	0.9	2
51	426	60	366	26 ⁰ 53' 6"	0.842	2.2	9
52	380	60	320	23 ⁰ 39' 12"	0.380	3.92	10.7
53	92	57	35	4 ⁰ 58' 19"	0.704	-	-
54	203	60	143	10 ⁰ 52' 6"	0.795	1.2	4.04
55	293	60	233	23 ⁰ 33' 25"	0.785	0.40	1.02
56	280	60	220	21 ⁰ 21' 19"	0.7	0.22	1.12
57	200	60	140	9 ⁰ 35' 32"	0.625	0.408	2.04
58	160	60	100	5 ⁰ 39' 13"	-	2.0	4
59	-	-	-	-	-	1.6	3
60	-	-	-	-	-	1.7	2
61	-	-	-	-	-	1.5	2
62	-	-	-	-	-	2.4	4
63	160	60	100	7 ⁰ 44' 40"	0.625	0.4	3
64	190	60	130	16 ⁰ 10' 19"	0.684	3.5	10
65	297	60	237	21 ⁰ 3' 24"	0.797	1.8	10
66	280	60	220	23 ⁰ 44' 58"	0.785	2.5	6
67	200	60	140	11⁰ 11' 58"	0.7	1.5	4

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
68	-	-	-	-	-	0.2	1
69	120	60	60	7 ⁰ 10' 53"	0.5	-	
70	280	60	220	20 ⁰ 39' 23"	0.785	2.8	7
71	280	60	220	21 ⁰ 6' 23"	0.785	1.42	2.85
72	160	60	60	5 ⁰ 49' 26"	0.375	-	-
73	200	60	140	15 ⁰ 6' 34"	0.7	-	-
74	203	60	143	18 ⁰ 55' 55"	0.704	1.2	4
75	220	60	160	14 ⁰ 2' 10"	0.727	0.5	5
76	160	60	100	6 ⁰ 13' 14"	0.625	1.2	2
77	240	60	180	10 ⁰ 42' 95"	0.75	0.1	1
78	200	60	140	11 ⁰ 38' 24"	0.7	1.1	5
79	260	60	200	11 ⁰ 27' 11"	0.769	2.2	5
80	160	60	100	5 ⁰ 39' 13"	0.625	0.2	3
81	80	60	20	2 ⁰ 40' 25"	0.25	1.1	1
82	160	60	100	11 ⁰ 8' 40"	0.625	0.5	3
83	200	60	140	19 ⁰ 11' 16"	0.7	3.0	5
84	200	60	140	12 ⁰ 34' 16"	0.7	0.4	2
85	60	60	0	0 ⁰ 44' 41"	0	1.8	3
86	-	-	-	0	-	1.1	1
87	100	60	40	4 ⁰ 44' 40"	0.4	1.1	2
88	212	60	152	9 ⁰ 4' 4"	0.716	0.88	3.33
89	140	60	80	5 ⁰ 6' 31"	0.571	0.5	1
90	168	60	108	11 ⁰ 31' 48"	0.642	-	-
91	140	60	80	6⁰ 16' 58"	0.571	-	-

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
92	-	-	-	0	-	0.5	1
93	60	60	0	1 ⁰ 8' 44"	0	0.4	1
94	120	55	65	6 ⁰ 20' 30"	0.54	0.5	1
95	160	60	100	11 ⁰ 1' 23"	0.625	0.6	2
96	292	120	172	15 ⁰ 0' 9"	0.589	3.1	6
97	280	60	220	16 ⁰ 2' 23"	0.785	2.0	6
98	-	-	-	0	-	0.7	1
99	260	60	200	15 ⁰ 38' 32"	0.769	-	-
100	240	60	180	19 ⁰ 23' 31"	0.75	2.5	9
101	267	80	187	14 ⁰ 40' 53"	0.700	3.0	7
102	180	60	120	12 ⁰ 40' 49"	0.666	3.2	9
103	120	60	60	6 ⁰ 43' 6"	0.5	1.5	3
104	80	60	20	7 ⁰ 49' 24"	0.25	0.8	2
105	120	60	60	9 ⁰ 5' 25"	0.5	0.4	2
106	100	60	40	2 ⁰ 41' 27"	0.4	1.6	3
107	-	-	-	0	-	1.2	2
108	-	-	-	0	-	0.5	1
109	60	60	0	2 ⁰ 38' 1"	0	0.3	1
110	60	60	0	1 ⁰ 36' 13"	0	1.5	2.06
111	140	60	80	6 ⁰ 59' 42"	0.571	-	-
112	140	60	80	11 ⁰ 5' 21"	0.571	-	-
113	100	60	40	3 ⁰ 5' 27"	0.4	-	-
114	120	60	60	5 ⁰ 1' 44"	0.5	0.1	1
115	220	60	160	13 ⁰ 52' 27"	0.727	1.8	4
116	180	60	120	15 ⁰ 44 '54"	0.666	1.5	3
117	260	60	200	16⁰ 51' 24"	0.769	1.1	2

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
118	280	60	220	17 ⁰ 29' 3"	0.785	3.0	5
119	260	60	200	10 ⁰ 32' 51"	0.769	1.0	3
120	100	60	40	2 ⁰ 43' 51"	0.4	-	-
121	120	60	60	8 ⁰ 28' 29"	0.5	0.2	1
122	100	60	40	7 ⁰ 48' 3"	0.4	1.8	3
123	80	60	20	3 ⁰ 26' 1"	0.25	0.5	2
124	60	60	0	0 ⁰ 54' 59"	0	0.7	1
125	60	60	0	1 ⁰ 43' 6"	0	1.3	2
126	60	60	0	2 ⁰ 38' 1"	0	1.5	2
127	60	60	0	1 ⁰ 8' 44"	0	0.5	1
128	-	-	-	0	-	1.1	2
129	-	-	-	0	-	1.3	2
130	100	60	40	3 ⁰ 53' 24"	0.4	1.3	2
131	120	60	60	6 ⁰ 53' 16"	0.5	1.7	3
132	100	60	40	3 ⁰ 22' 35"	0.4	1.46	3.65
133	120	60	60	7 ⁰ 21' 2"	0.5	0.3	1
134	180	60	120	12 ⁰ 21' 9"	0.66	2.5	6
135	140	60	80	11 ⁰ 56' 31"	0.571	3.2	7
136	220	60	160	13 ⁰ 3' 41"	0.727	3.5	7
137	220	60	160	14 ⁰ 2' 10"	0.725	1.0	4
138	100	60	40	2 ⁰ 41' 27"	0.4	-	-
139	140	60	80	6 ⁰ 43' 6"	0.571	-	-
140	120	60	60	9 ⁰ 23' 50"	0.5	2.4	7
141	102	60	42	7 ⁰ 0' 43"	0.411	2.5	6
142	80	60	20	2 ⁰ 41' 27"	0.25	1.5	2
143	-	-	-	0	-	0.5	1
144	60	60	0	0⁰ 54' 59"	0	1.0	1

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
145	60	60	0	1 ⁰ 19' 3"	0	1.0	1
146	60	60	0	0 ⁰ 56' 43"	0	1.2	1
147	-	-	-	0	0	1.2	1
148	180	60	120	7 ⁰ 0' 43"	-	1.0	1
149	200	60	140	18 ⁰ 25' 3"	0.7	2.6	6
150	220	60	160	17 ⁰ 25' 56"	0.727	4.5	9
151	200	60	140	16 ⁰ 54' 33"	0.7	3.6	10
152	160	60	100	29 ⁰ 27' 59"	0.625	3.33	19.04
153	60	60	0	0 ⁰ 54' 59"	0	-	-
154	60	60	0	1 ⁰ 8' 44"	0	0.2	2
155	160	60	100	5 ⁰ 39' 13"	0.625	1.4	2
156	200	60	140	9 ⁰ 55' 34"	0.7	1.2	1
157	208	60	148	10 ⁰ 58' 44"	0.711	0.6	1
158	-	-	-	0	-	1.0	1
159	100	60	40	2 ⁰ 58' 36"	0.4	1.0	1
160	-	-	-	2 ⁰ 17 '26"	-	1.0	1
161	-	-	-	0	-	1.0	1
162	-	-	-	0	-	-	-
163	-	-	-	0	-	0.2	1
164	60	60	0	0 ⁰ 54' 59"	0	1.8	2
165	-	-	-	0	-	1.2	3
166	60	60	0	0 ⁰ 56' 43"	0	3.0	5
167	100	60	40	5 ⁰ 22' 12"	0.4	2.5	5
168	160	60	100	11 ⁰ 40 '23"	0.625	1.7	3
169	280	80	200	22 ⁰ 26' 26"	0.714	1.5	2
170	294	100	194	21 ⁰ 33' 14"	0.659	1.8	6
171	220	60	160	12 ⁰ 57' 9"	0.725	1.95	6.09

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
172	100	60	40	2 ⁰ 17' 26"	0.4	-	-
173	100	60	40	1 ⁰ 15' 37"	0.4	-	-
174	-	-	-	0	-	-	-
175	-	-	-	0	-	1.5	1
176	-	-	-	0	-	-	-
177	-	-	-	0	-	0.6	1
178	-	-	-	0	-	2.7	3
179	80	60	20	1 ⁰ 32' 47"	0.25	2.5	2
180	-	-	-	0	-	1.4	2
181	80	60	20	2 ⁰ 41' 27"	0.25	1.1	1
182	100	60	40	3 ⁰ 36' 17"	0.4	1.3	1
183	80	60	20	2 ⁰ 41' 27"	0.25	0.2	1
184	60	60	0	0 ⁰ 46' 45"	0	-	-
185	60	60	0	0 ⁰ 46' 45"	0	2.2	2
186	100	60	40	4 ⁰ 20' 46"	0.4	2.0	3
187	-	-	-	0	-	2.0	5
188	60	60	0	0 ⁰ 56' 43"	0	2.3	3
189	180	60	120	8 ⁰ 55' 21"	0.666	1.95	3.44
190	240	60	180	16 ⁰ 38' 47"	0.75	1.52	2.17
191	200	80	120	12 ⁰ 40' 49"	0.60	0.8	1
192	160	120	40	10 ⁰ 22' 13"	0.25	2.5	5
193	180	120	60	16 ⁰ 23' 0"	0.333	3.33	10
194	80	60	20	0 ⁰ 44' 41"	0.25	-	-
195	80	60	20	2 ⁰ 41' 27"	0.25	-	-
196	100	60	40	2 ⁰ 3' 42"	0.4	0.61	2.04
197	100	60	40	35 ⁰ 13' 19"	0.4	-	-
198	-	-	-	0	-	-	-

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
199	100	60	40	5 ⁰ 46' 2"	0.4	-	-
200	140	60	80	3 ⁰ 2' 1"	0.571	0.88	4.41
201	140	60	80	2 ⁰ 29' 6"	0.571	1.56	3.12
202	100	60	40	1 ⁰ 36' 13"	0.4	1.12	2.81
203	60	60	0	0 ⁰ 28' 11"	0	1.46	1.21
204	120	60	60	1 ⁰ 33' 29"	0.5	-	1
205	60	60	0	0	0	1.0	1.0
206	140	60	80	9 ⁰ 58' 54"	0.571	-	-
207	140	60	80	21 ⁰ 12' 22"	0.571	-	-
208	60	60	0	2 ⁰ 34' 35"	0	1.76	2.94
209	60	60	0	0	0	1.77	4.44
210	60	60	0	30 ⁰ 6' 49"	0	-	-
211	100	60	40	36 ⁰ 12' 14"	0.4	2.5	8.33
212	120	60	60	1 ⁰ 43' 6"	0.5	2.71	3.26
213	100	60	40	1 ⁰ 12' 10"	0.4	-	-
214	200	60	140	6 ⁰ 40' 23"	0.7	1.66	8.33
215	220	60	160	21 ⁰ 12' 22"	0.727	1	3.33
216	220	60	160	25 ⁰ 24' 27"	0.727	1.29	6.45
217	120	60	60	7 ⁰ 37' 55"	0.5	0.58	2.94
218	120	60	60	17 ⁰ 3' 59"	0.5	-	-
219	120	60	60	7⁰ 51' 25"	0.5	1.74	1.58

Grid no	Maximum height	Minimum height	Relative relief	Slope	Dissection index	Drainage density	Drainage frequency
220	-	-	-	0	-	-	-
221	-	-	-	0	-	-	-
222	-	-	-	0	-	-	-
223	-	-	-	0	-	-	-
224	160	60	100	46 ⁰ 0' 46"	0.625	-	-
225	240	60	180	14 ⁰ 56' 57"	0.75	1.2	2
226	100	60	40	3 ⁰ 29' 26"	0.4	1.6	2.66
227	-	-	-	0	-	-	-
228	100	60	40	22 ⁰ 49' 81"	0.4	4	6.66
229	-	-	-	0	-	-	-
230	-	-	-	0	-	-	-
231	-	-	-	0	-	-	-
232	-	-	-	0	-	-	-
233	240	60	180	44 ⁰ 49' 39"	0.75	-	-
234	240	60	180	16 ⁰ 13 '29"	0.75	0.68	1.17
235	140	60	80	19 ⁰ 2' 3"	0.571	-	-

Source: Computed by researcher

APPENDIX - II
MAJOR EARTHQUAKES IN NORTH EAST INDIA

Year	Magnitudes	Locality	Damage
1548	N.A	N.A	N.A
1596	N.A		
1607	N.A		
1642	N.A		
1663	N.A		
1696-1714	N.A		
1869	N.A	Cachar and Manipur	Silchar and Manipur are damage
1875	N.A	N.A	Damage in Guwahati and Shillong
1882	High magnitude	N.A	Around Silchar
1897	8.7	Meghalaya	N.A
1908	7.5	Northern Burma	N.A
1918	7.6	N.A	N.A
1923	7.1	25 ⁰ North latitude and 91 ⁰ East longitude	N.A
1924	N.A	250 North latitude and 930 East longitude	Damaging area is Southern Assam, Meghalaya and in some parts of Manipur
1926	N.A	India and Burma	N.A
1927	6.5	Shillong	N.A
1930	7.1	25 ⁰ 5' North latitude and 90 ⁰ East longitude	Damage in the Dhubri town of Assam
1932	7.0	26 ⁰ 5' North latitude and 92 ⁰ East longitude	Specially damage in Guwahati town
1933	N.A	25 ⁰ 8' North latitude and 90 ⁰ 5' East longitude	Damage in the Dhubri town of Assam
1938	7.2	23 ⁰ 5' North latitude and 94 ⁰ 3' East longitude	Damage in the Manipur region
1943	7.2	26 ⁰ North latitude and 93 ⁰ East longitude	Specially damage in the Hojai in Assam
1947	7.8	28⁰5' North latitude and 94⁰ East longitude	Damage in the Assam part

1950	8.6	28⁰5' North latitude and 96⁰5' East longitude	Throughout upper Assam, particularly in parts of Lakhimpur, Dibrugarh, Jorhat, Sibsagar
1954	7.1	Manipur- Burma border	The shock was felt over a large part of the eastern India and neighborhood
1973	7.1	North-Eastern parts of Assam	N.A
1984	5.4	24 ⁰ 67' North latitude and 93 ⁰ 07' East longitude	Cachar district of Assam
1988	7.2	Manipur Burma border	The shock caused minor to moderate damage in Guwahati, Shillong, Jorhat, Tezpur Dibrugarh etc. It affects cover an area of 38,400 km²

Source: Goswami, C.H.1984

APPENDIX – III

GRIDWISE VALUE OF TOPOGRAPHIC ELEMENTS

Serial no.	Original Grid no.	Name of the hill	Slope (0)	Relative Relief (m)	Drainage Density (km/ km²)	Drainage Frequency (No /km²)	Dissection Index
1	8	Khargulli, Nabagraha and Ramcha hill	0.7068	40	0	0	0.4
2	9		0.784	20	0	0	0.25
3	10		0.349	120	0	0	0.669
4	11		0.208	60	0	0	0.5
5	20		0.238	120	0.90	4.04	0.667
6	21		0.286	156	1.5	5	0.722
7	22		0.308	85	2.2	6	0.586
8	23		0.219	80	1.4	4	0.571
9	31		0.076	40	0	0	0.4
10	32		0.083	40	0	0	0.4
11	33		0.054	40	1.2	3	0.4
12	34		0.076	60	0.8	1	0.5
13	2	Naranghi hill	0.758	80	2.5	16.6	0.571
14	3		0.287	60	2.38	4.76	05
15	4		0.346	80	0.13	1.33	0571
16	5		0.075	100	1.02	2.04	0625
17	12		0.240	155	2.47	7.21	0720
18	13		0.388	140	3.8	8	0.7
19	14		0.358	100	1.00	2	0.625
20	15		0.236	100	0	0	0.625

21	24	Narangi hill	0.305	120	2.3	6	0.666
22	25		0.304	120	2.6	9	0.6
23	26		0.368	180	3.6	10	0.75
24	27		0.369	180	3.0	8	0.75
25	28		0.170	100	2.4	5	0.625
26	35		0.061	60	0.1	1	0.1
27	36		0.185	140	1.0	2	1.0
28	37		0.268	180	0.7	8	0.7
29	38		0.270	180	1.5	6	1.5
30	7		Buragosain parbat	0.065	60	0	0
31	17	0.163		160	1.4	8	0.727
32	18	0.255		80	1	3.33	0.571
33	28	0.170		100	2.4	5	0.625
34	29	0.335		200	3.0	8	0.769
35	30	0.257		200	1.87	7.5	0.769
36	39	0.141		60	1.0	2	0.5
37	40	0.305		180	4.0	14	0.75
38	41	0.325		220	4.79	16.4	0.785
39	50	0.195		140	0.9	2	0.7
40	51	0.507		366	2.2	9	0.859
41	52	0.438		320	3.92	10.7	0.842
42	69	0.126		60	0	0	0.5
43	70	0.377		220	2.8	7	0.785
44	71	0.383		220	1.42	2.85	0.785
45	87	0.083		40	1.1	2	0.4
46	88	0.1596	152	0.88	3.33	0.716	

47	130	Khanapara hill	0.068	40	1.3	2	0.40
48	131		0.120	60	1.7	3	0.50
49	132		0.059	40	1.46	3.65	0.40
50	148		0.123	120	0.3	1	0.66
51	149		0.333	140	2.6	6	0.70
52	150		0.314	160	4.5	9	0.727
53	151		0.304	140	3.6	10	0.70
54	152		0.565	100	3.33	19.04	0.625
55	168		0.206	100	1.7	3	0.625
56	169		0.413	200	1.5	2	0.714
57	170		0.395	194	1.8	6	0.659
58	171		0.230	160	1.95	6.09	0.727
59	189		0.157	120	1.95	3.44	0.666
60	190		0.299	180	1.52	2.17	0.75
61	191		0.225	120	0.8	1	0.60
62	192		0.185	40	2.5	5	0.25
63	193		0.294	60	3.33	10	0.333
64	215		0.388	160	1	3.33	0.727
65	216		0.475	160	1.29	6.45	0.727
66	120		Sonaighulli hill	0.047	40	0	0
67	121	0.149		60	0.2	1	0.5
68	122	0.137		40	1.8	3	0.4
69	139	0.117		80	0	0	0.571
70	140	0.165		60	2.4	7	0.50
71	141	0.123		42	2.5	6	0.411
72	142	0.047		20	1.5	2	0.25
73	159	0.052		40	1.0	1	0.40
74	160	0.040		0	1.0	1	0

75	77	Narakasur hill	0.189	180	0.1	1	0.75
76	78		0.206	140	1.1	5	0.7
77	79		0.202	200	2.2	5	0.769
78	80		0.099	100	0.2	3	0.625
79	99		0.280	200	0	0	0.769
80	100		0.232	180	2.5	9	0.75
81	101		0.262	187	3.0	7	0.700
82	102		0.22	120	3.2	9	0.66
83	103		0.117	60	1.5	3	0.50
84	121		0.149	60	0.2	1	0.50
85	122		0.137	40	1.8	3	0.40
86	123		0.060	20	0.5	2	0.25
87	44		Japorigog hill	0.082	100	1.1	4
88	45	0.216		140	1.1	1	0.7
89	46	0.252		120	1.6	3	0.66
90	47	0.281		160	1.5	5	0.727
91	48	0.203		120	1.2	4	0.666
92	63	0.136		100	0.4	3	0.625
93	64	0.290		130	3.5	10	0.684
94	65	0.385		237	1.8	10	0.797
95	66	0.44		220	2.5	6	0.785
96	67	0.198		140	1.5	4	0.7
97	81	0.046		20	1.1	1	0.25
98	82	0.197		100	0.5	3	0.625
99	83	0.348		140	3.0	5	0.7
100	84	0.223		140	0.4	2	0.7
101	104	0.134		20	0.8	2	0.25
102	105	0.160		60	0.4	2	0.5
103	106	0.047		40	1.6	3	0.4

104	56	Fatasil hill	0.391	220	0.22	1.12	0.785
105	57		0.169	140	0.49	2.04	0.7
106	58		0.09	100	2.0	4	0.625
107	73		0.270	140	0	0	0.70
108	74		0.343	143	1.2	4	0.704
109	75		0.250	160	0.5	5	0.727
110	76		0.109	100	1.2	2	0.625
111	94		0.114	65	0.5	1	0.54
112	95		0.194	100	0.6	2	0.625
113	96		0.268	172	3.1	6	0.589
114	97		0.287	220	2.0	6	0.785
115	114		0.088	60	0.1	1	0.50
116	115		0.247	160	1.8	4	0.727
117	116		0.282	120	1.5	3	0.666
118	117		0.303	200	1.1	2	0.769
119	118		0.315	220	3.0	5	0.785
120	119		0.186	200	1.0	3	0.769
121	133		0.129	60	0.3	1	0.50
122	134		0.219	120	2.5	6	0.666
123	135		0.2115	80	3.2	7	0.571
124	136		0.232	160	3.5	7	0.727
125	137		0.250	160	1.0	4	0.727
126	138		0.047	40	0	0	0.4
127	153		0.016	0	0	0	0
128	154		0.020	0	0.2	0	0
129	155		0.099	100	1.4	2	0.625
130	156		0.175	140	1.2	2	0.70
131	157		0.194	148	0.6	1	0.711

132	53	Nilachal hill	0.087	35	0	0	0.380
133	54		0.192	143	1.2	4.04	0.704
134	55		0.436	233	0.40	1.02	0.795
135	56		0.391	220	0.22	1.12	0.785
136	72		0.102	60	0	0	0.375
137	73		0.270	140	0	0	0.7
138	74		0.343	143	1.2	4	0.704
139	89	Jalukbari hill	0.089	80	0.5	1	0.571
140	90		0.204	108	0	0	0.642
141	91		0.11	80	0	0	0.571
142	111		0.122	80	0	0	0.571
143	112		0.196	80	0	0	0.571
144	113		0.054	40	0	0	0.4

Source: Generated from topographical maps.