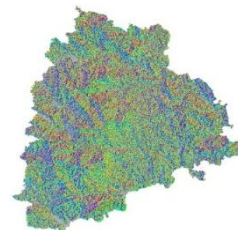
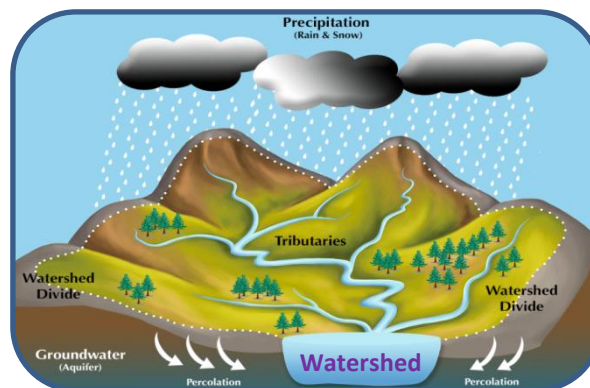


Government of Telangana – Forest Department



SITE SUITABILITY ANALYSIS FOR WATER HARVESTING STRUCTURES USING REMOTE SENSING & GIS

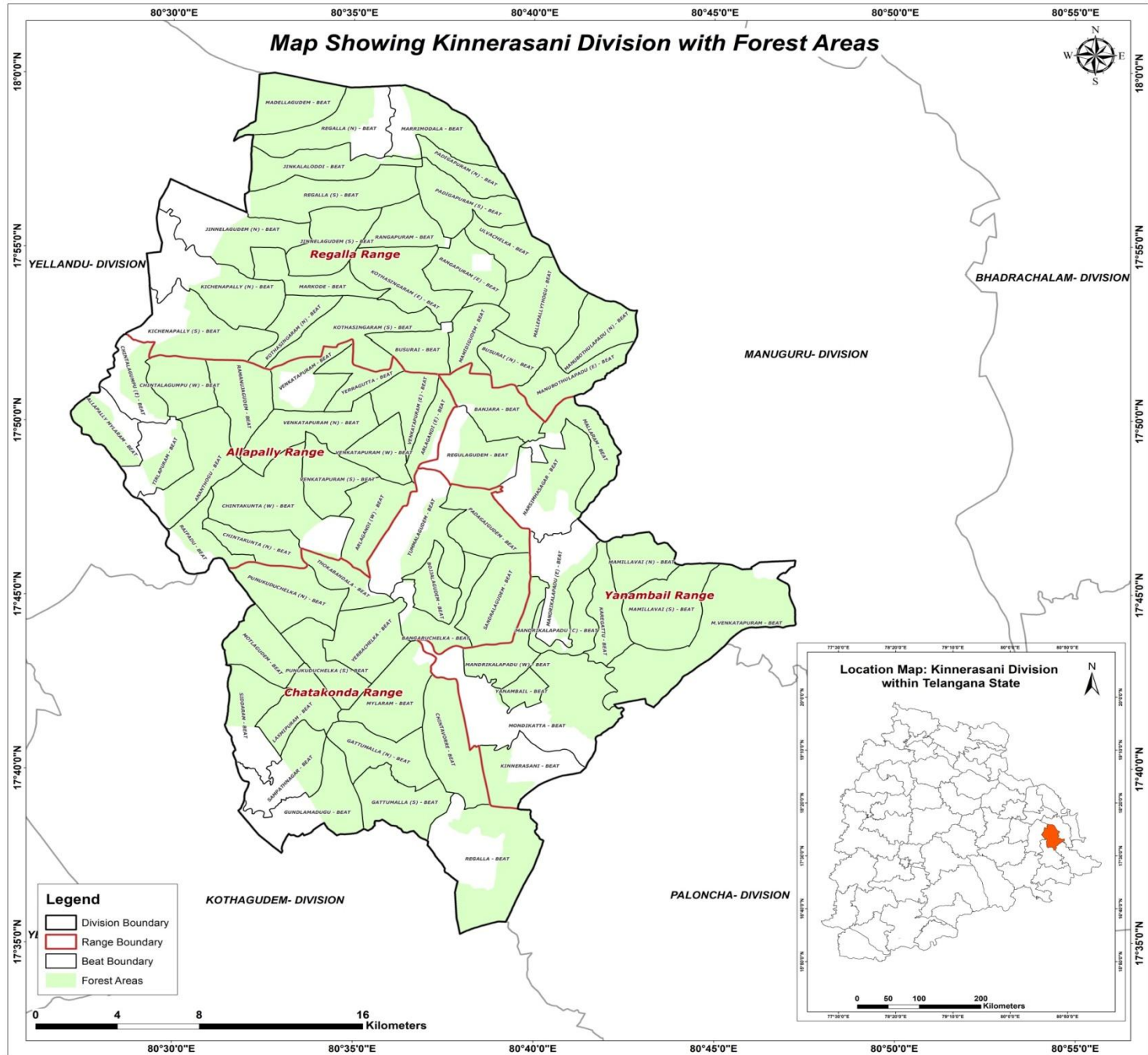


SITE SUITABILITY ANALYSIS FOR WATER HARVESTING STRUCTURES USING REMOTE SENSING & GIS

Circle: Bhadradri
District: Bhadradri Kothagudem
Division: Kinnerasani WLM

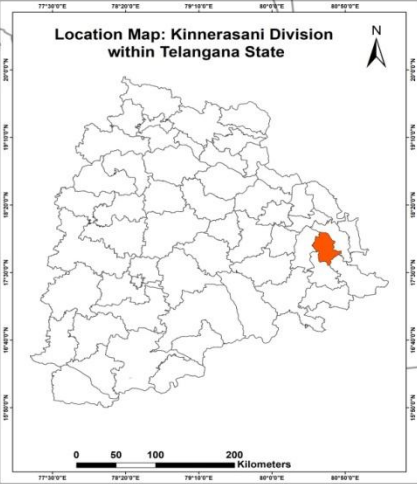
**Prepared at Geomatics Centre
O/o Prl.Chief Conservator of Forests
Aranya Bhavan, Saifabad
Hyderabad - 500004**

Map Showing Kinnerasani Division with Forest Areas



Legend

- Division Boundary
- Range Boundary
- Beat Boundary
- Forest Areas



METHODOLOGY

Various methods are available to evaluate the suitability of locations for Percolation Tanks and other SMC structures using Arc GIS.

- A common approach is to use Geographic Information System (GIS) tools to decide the suitability by analysing factors like topography, vegetation density, distance to water sources, and terrain slope.
- Data was gathered from various sources, including the Raster Sentinel data obtained from the Copernicus open access hub.
- Elevation values were applied to the raster data using the SNAP software to create a Digital Elevation Model (DEM).
- Using Arc GIS, streams were mapped based on DEM, and potential percolation tank sites were identified based on stream order.
- Slope data generated from the CARTOSAT 30 m DEM (Source: Bhuvan) were also included in the analysis.
- By overlaying these spatial datasets and applying specific criteria, GIS can help identify optimal locations for building percolation tanks.
- Once the best location is identified, the catchment area is determined.
- The location is then ranked on the basis of catchment area and vegetation cover, with rankings ranging from I to V.



FLOW CHART FOR METHODOLOGY



Guidelines for building Percolation Tanks:

- Refer to the Site Suitability Map given by the GIS Cell for suitable locations
- Choose the best location for constructing a percolation tank based on the ranking priority. The priority for treatment of the watershed should be based on stream order, with primary streams taking precedence over secondary streams and secondary streams taking precedence over tertiary streams. This phased approach will ensure effective management of the watershed.
- Field conditions such as local climate, slope, vegetation and soil type must be considered when determining the location. It is important to move either upstream or downstream for a distance of about 50M, depending on the specific conditions of the site.
- It is essential to follow the priority given in the map. If no specific points are indicated, site suitability should be considered a determining factor.
- Encroached areas were not considered when demarcating points for constructing the Percolation tank.
- In the field, where streams are found at the optimal location, a percolation tank can be built if a point is missing on the map.
- The catchment area should also be considered when estimating the construction requirements like length of the bund, height of the bund, wear width etc., after verifying with the actual field conditions.
- Planting native vegetation around the tank can stabilize the soil, prevent erosion, and improve water absorption. Use plants that are well suited to the local environment.



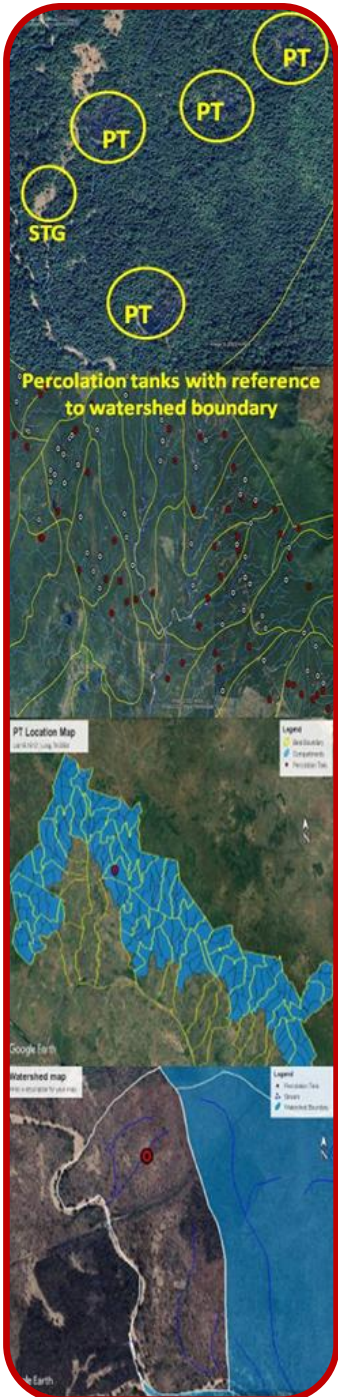
Suitability criteria for Check-Dams and Percolation Tanks (SITE SUITABILITY INDEX)

Index	Slope(Degrees)	Density Class
Highly suitable	0-5	Blank & Scrub
Moderately suitable	0-5	Open Forest
Least suitable	0-5	Dense Forest

Suitability criteria for Continuous/Staggered contour trenches

Rank	Slope classes (Degrees)	Density Classes
Highly Suitable	>5 and <= 10	Blanks
Moderately Suitable	>5 and <= 10	Scrub forest
Least suitable	>5 and <= 10	Open forest
	> 10 and < 25	Blanks & scrubs
MPTs and SGPs	>5 and <= 10	Dense Forest
	> 10 and < 25	Open and Dense forest





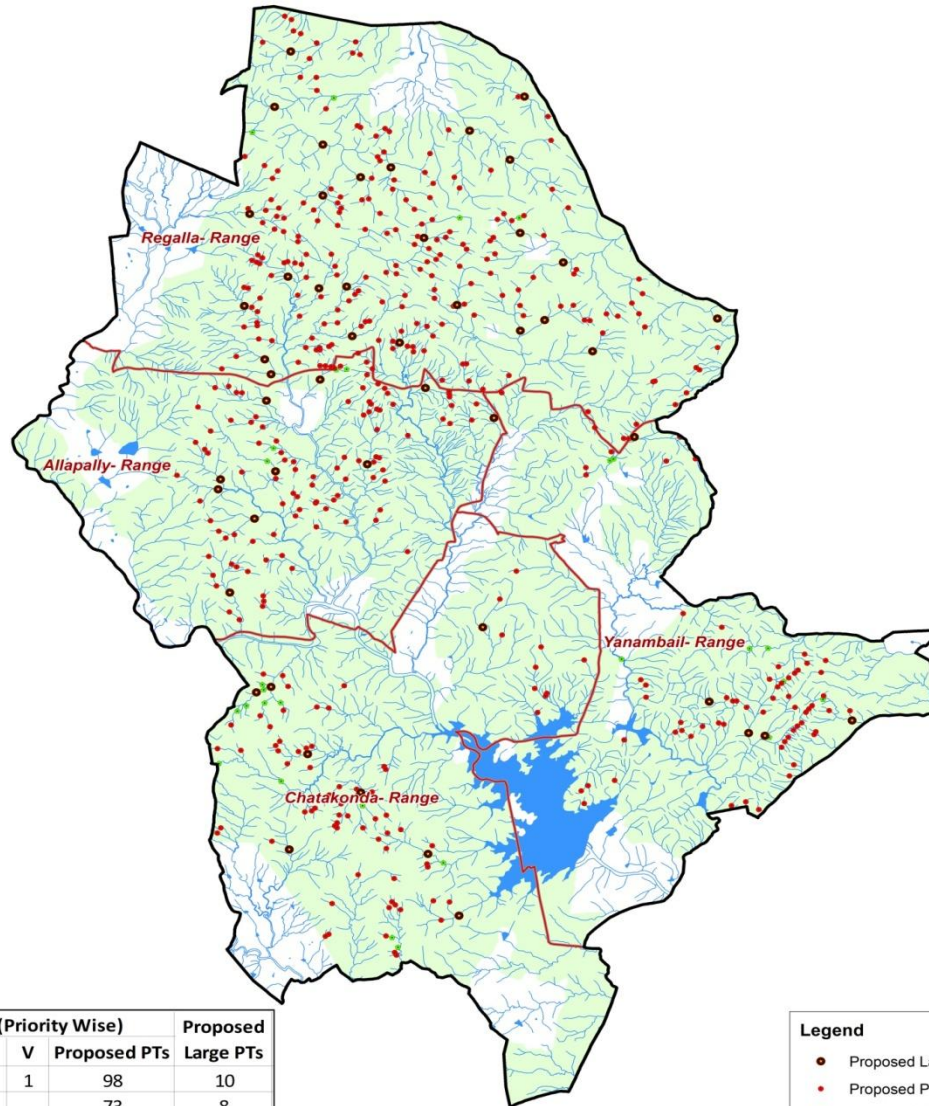
PRIORITY CLASSES FOR PERCOLATION TANK

Priority	Catchment Area(Ha)	Density Class
1	0-25 0-25	Scrub Blank
2	0-25 25-50	Open Forest Blank
3	25-50 >50	Open Forest Scrub & blank
4	0-25 >50	Dense Forest Open Forest
5	25-50 >50	Dense Forest Dense Forest



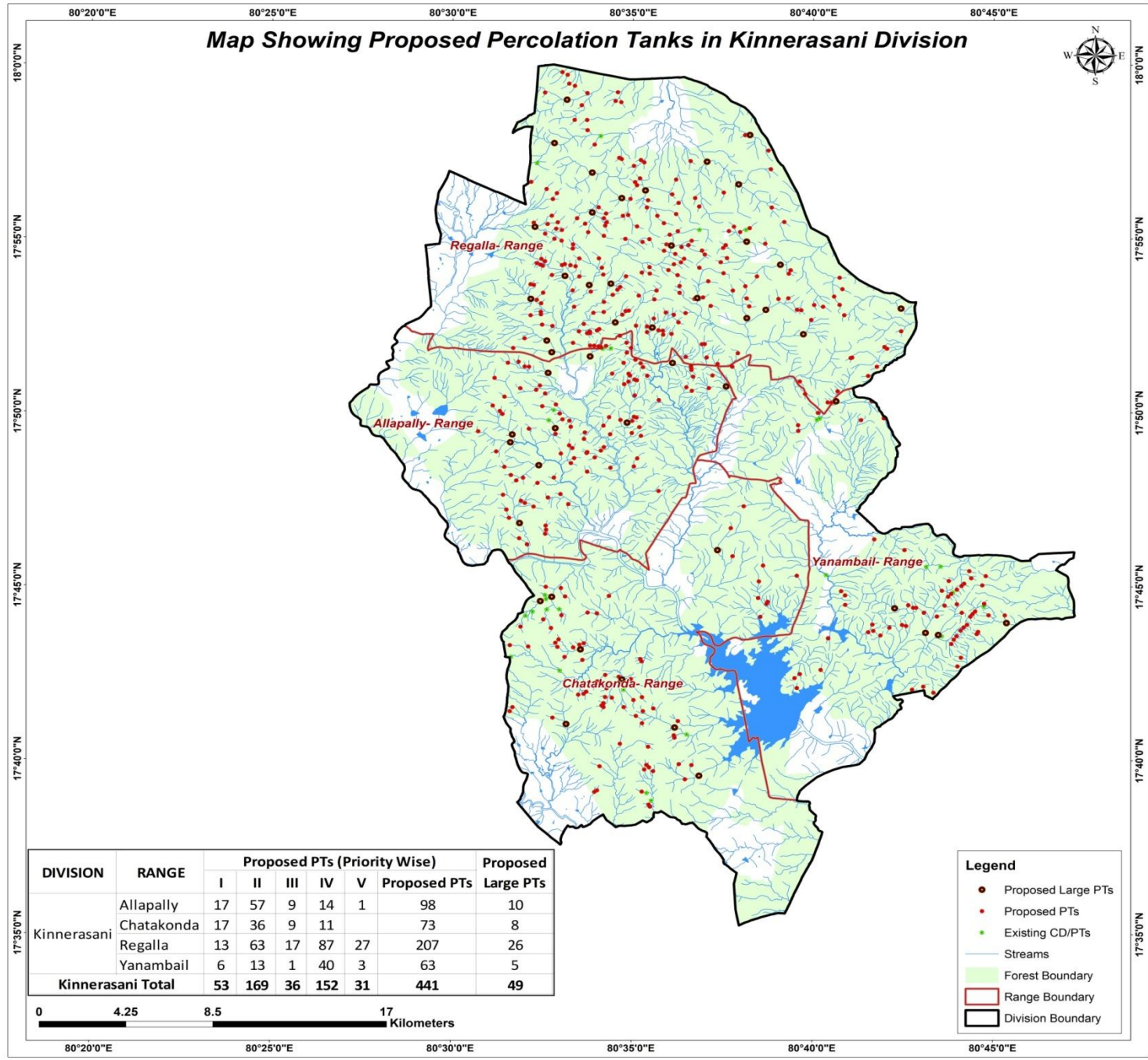


Map Showing Proposed Percolation Tanks in Kinnerasani Division

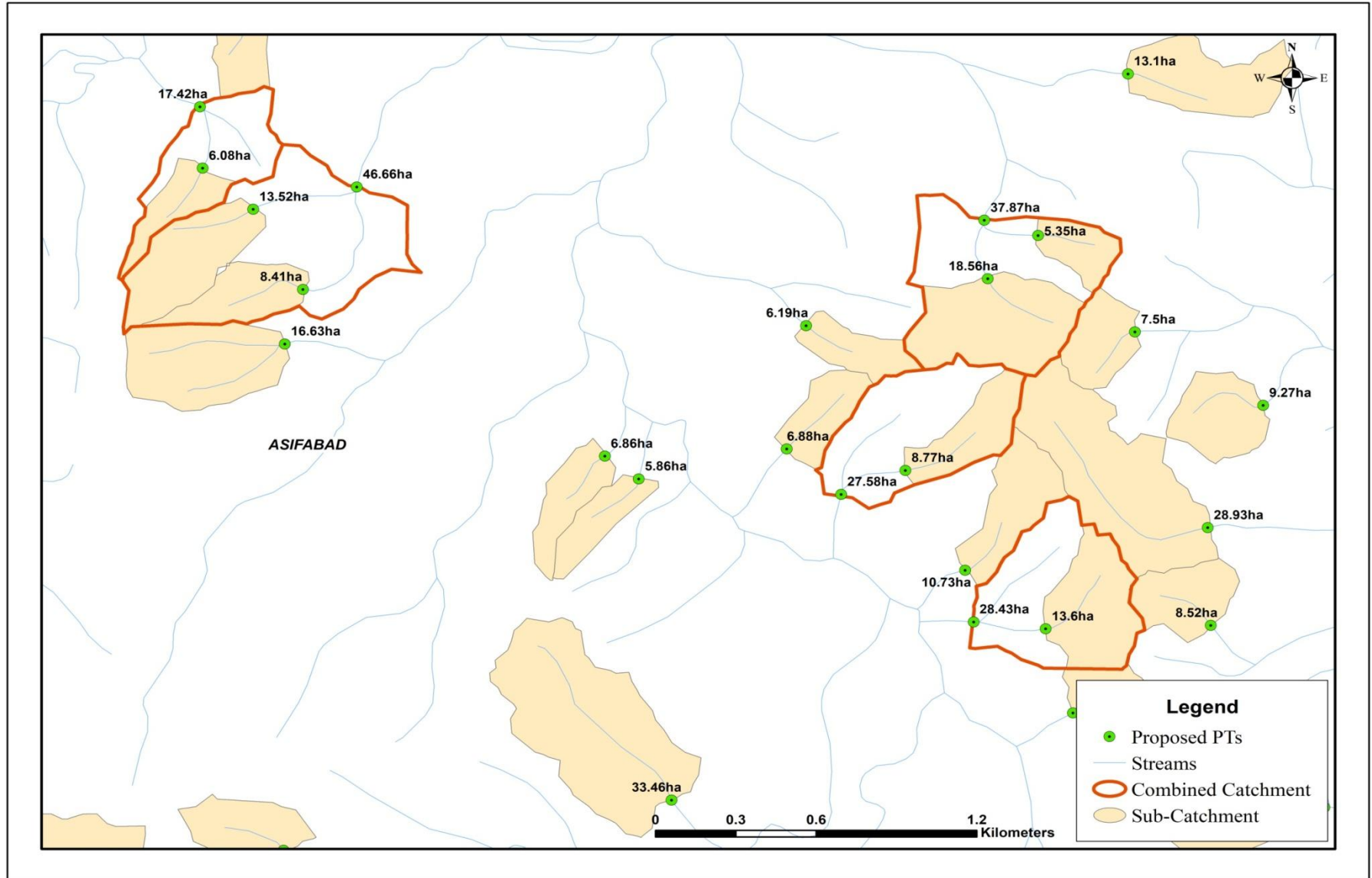


DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
		I	II	III	IV	V		
Kinnerasani	Allapally	17	57	9	14	1	98	10
	Chatakonda	17	36	9	11		73	8
	Regalla	13	63	17	87	27	207	26
	Yanambail	6	13	1	40	3	63	5
Kinnerasani Total		53	169	36	152	31	441	49

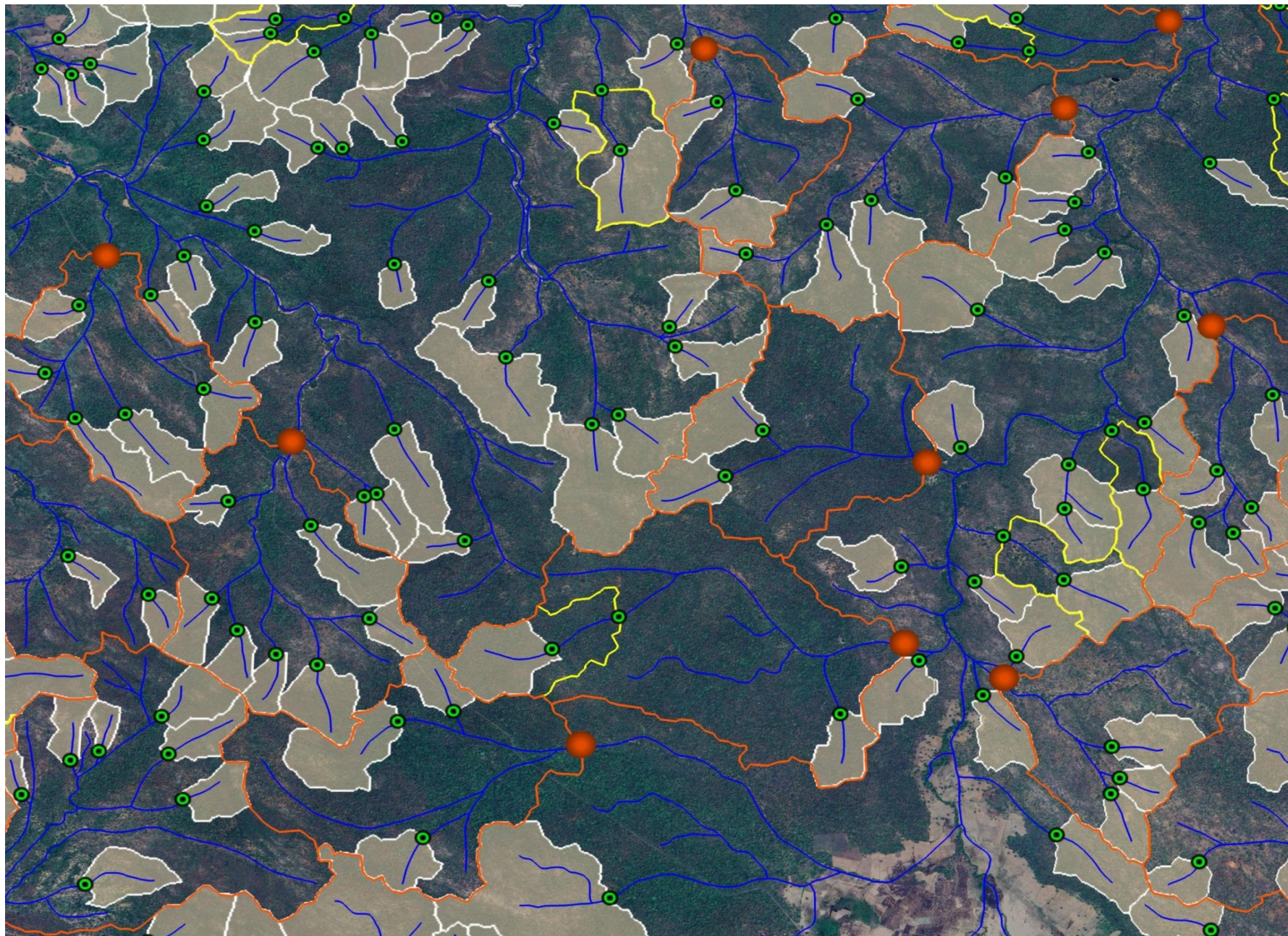
- Legend**
- Proposed Large PTs
 - Proposed PTs
 - Existing CD/PTs
 - Streams
 - Forest Boundary
 - Range Boundary
 - Division Boundary



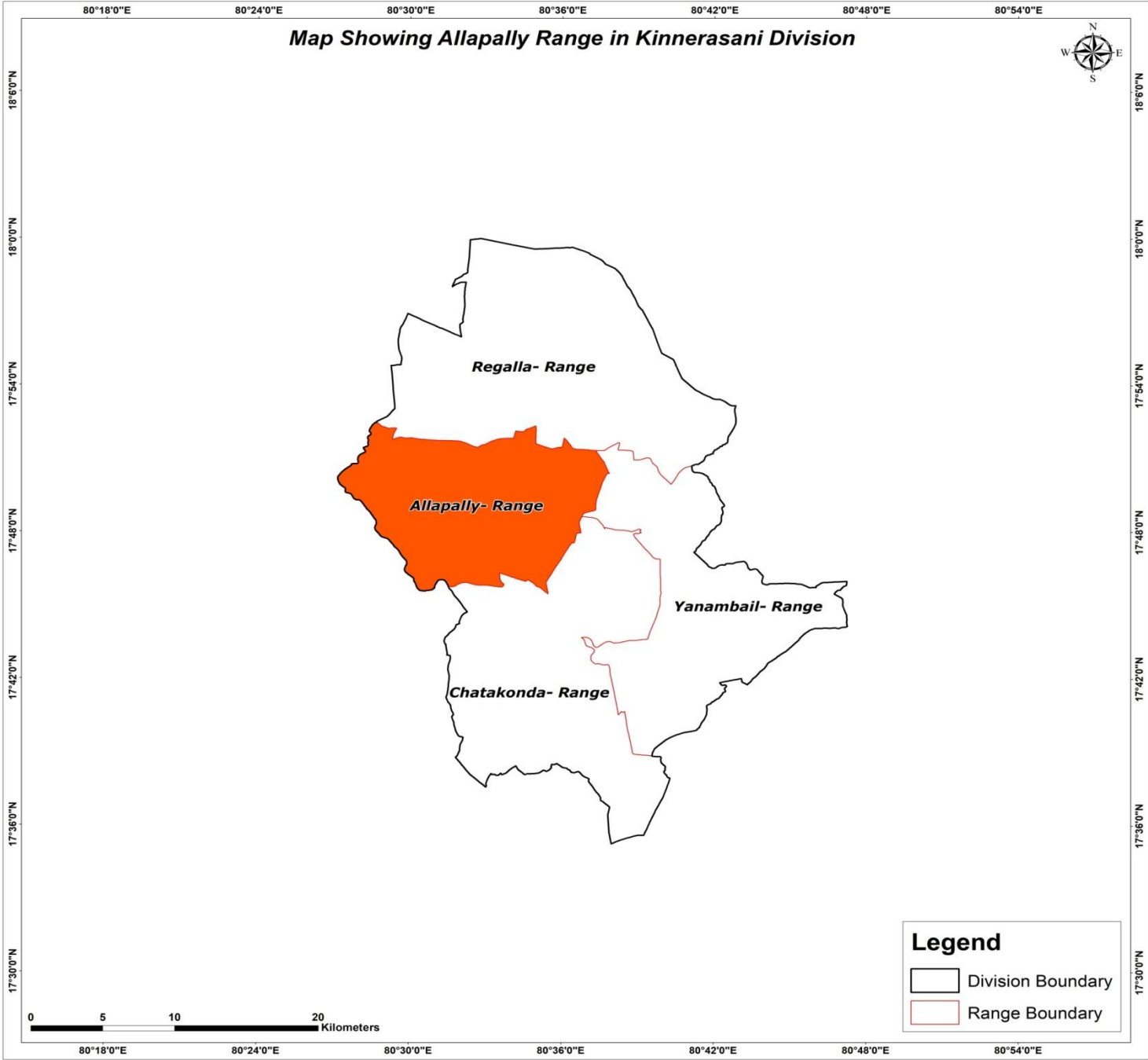
CATCHMENT AREA



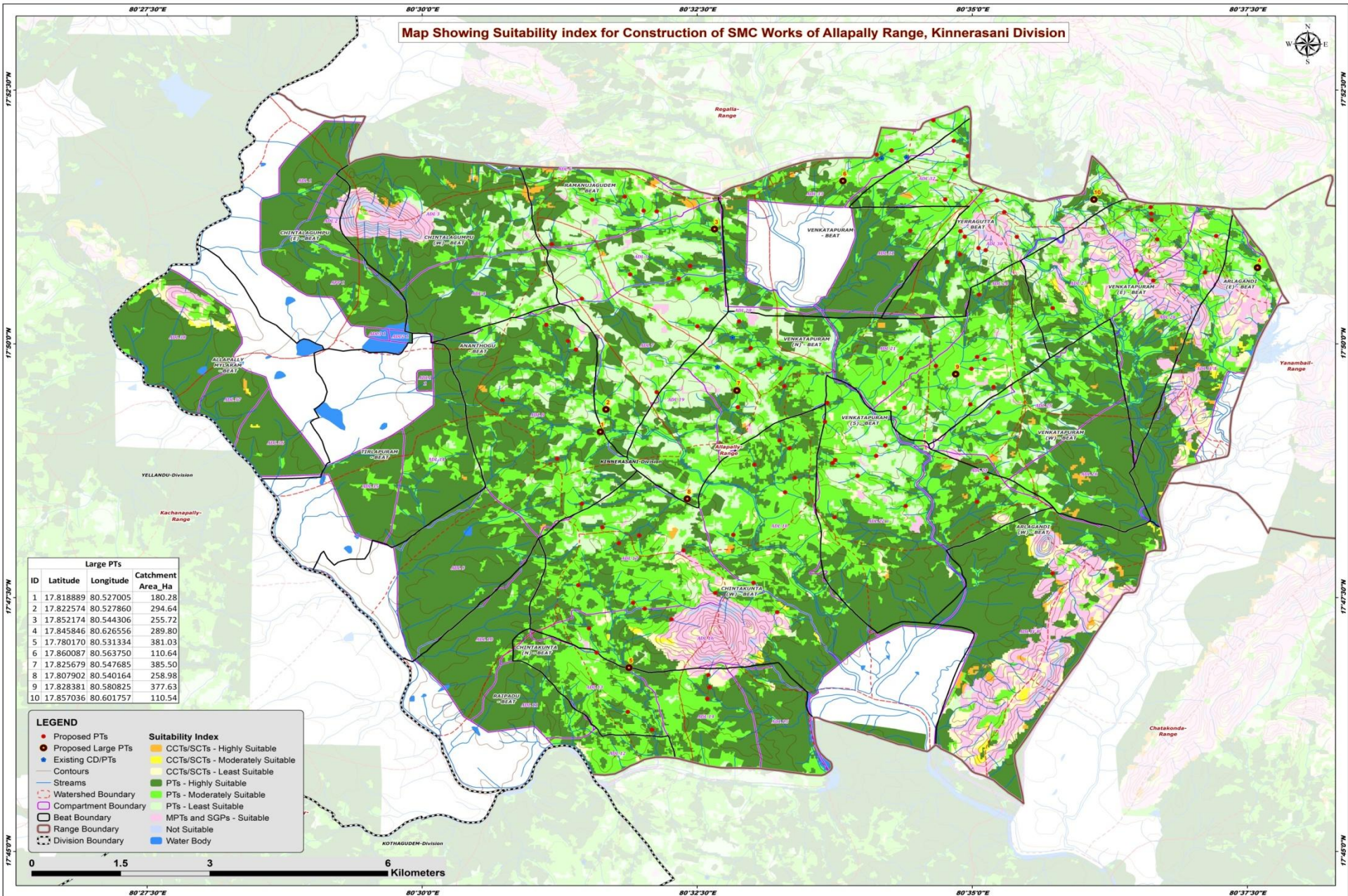
Sample Catchment Map



Map Showing Allapally Range in Kinnerasani Division

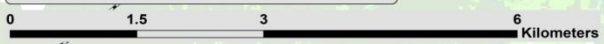


Map Showing Suitability index for Construction of SMC Works of Allapally Range, Kinnerasani Division

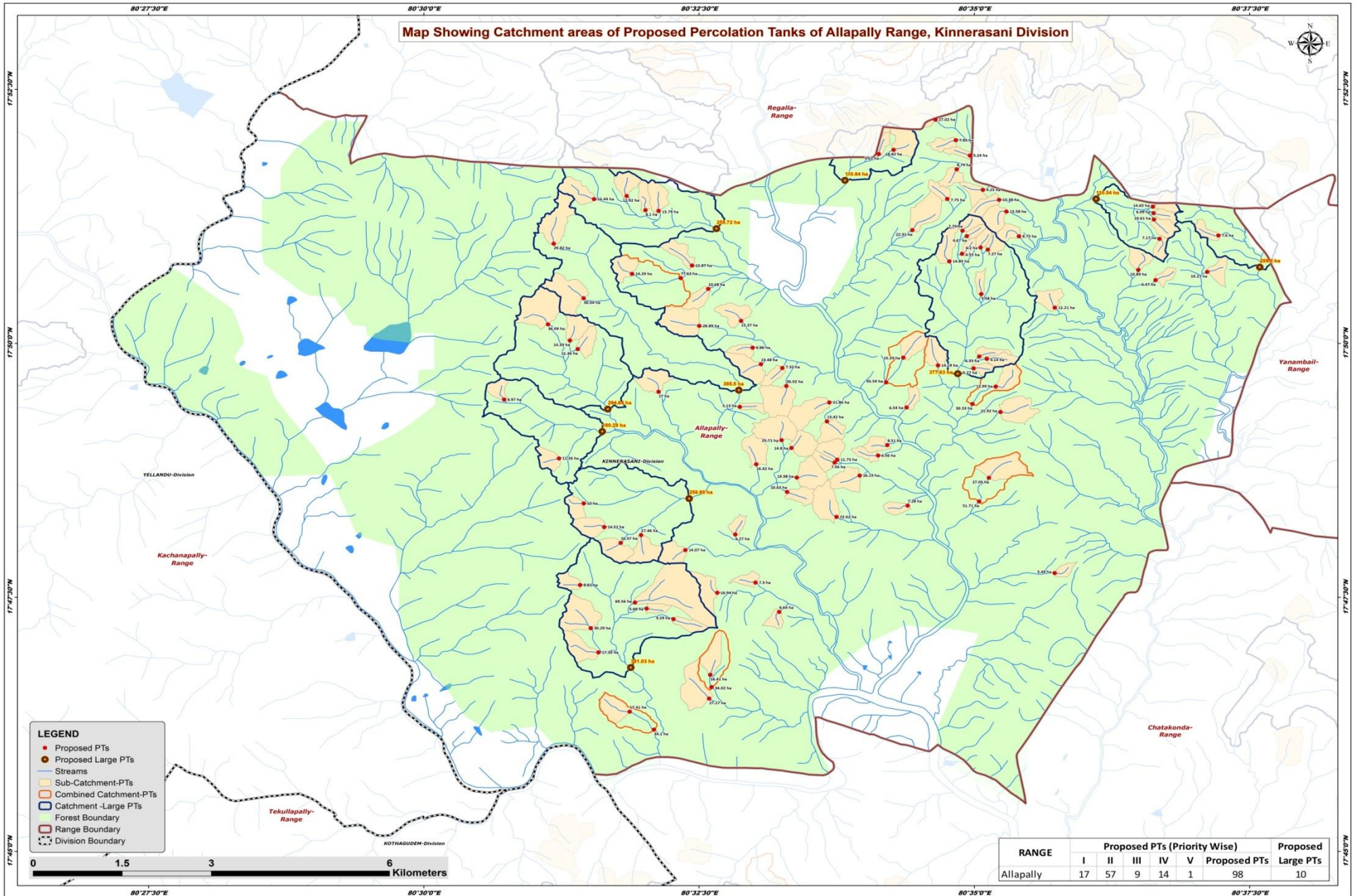


Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
1	17.818889	80.527005	180.28
2	17.822574	80.527860	294.64
3	17.852174	80.544306	255.72
4	17.845846	80.626556	289.80
5	17.780170	80.531334	381.03
6	17.860087	80.563750	110.64
7	17.825679	80.547685	385.50
8	17.807902	80.540164	258.98
9	17.828381	80.580825	377.63
10	17.857036	80.601757	110.54

- LEGEND**
- Proposed PTs
 - Proposed Large PTs
 - Existing CD/PTs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Range Boundary
 - Division Boundary
 - CCTs/SCTs - Highly Suitable
 - CCTs/SCTs - Moderately Suitable
 - CCTs/SCTs - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately Suitable
 - PTs - Least Suitable
 - MPTs and SGPs - Suitable
 - Not Suitable
 - Water Body



Map Showing Catchment areas of Proposed Percolation Tanks of Allapally Range, Kinnerasani Division



Beat wise Abstract of Proposed PT's – Allapally Range

S. No.	Beat	Proposed PT's
1	ANANTHOGU	6
2	ARLAGANDI-W	1
3	CHINTAKUNTA-N	6
4	CHINTAKUNTA-W	18
5	RAMANUJAGUDEM	12
6	VENKATAPURAM	4
7	VENKATAPURAM-E	9
8	VENKATAPURAM-N	16
9	VENKATAPURAM-S	11
10	VENKATAPURAM-W	1
11	YERRAGUTTA	14
	Total	98

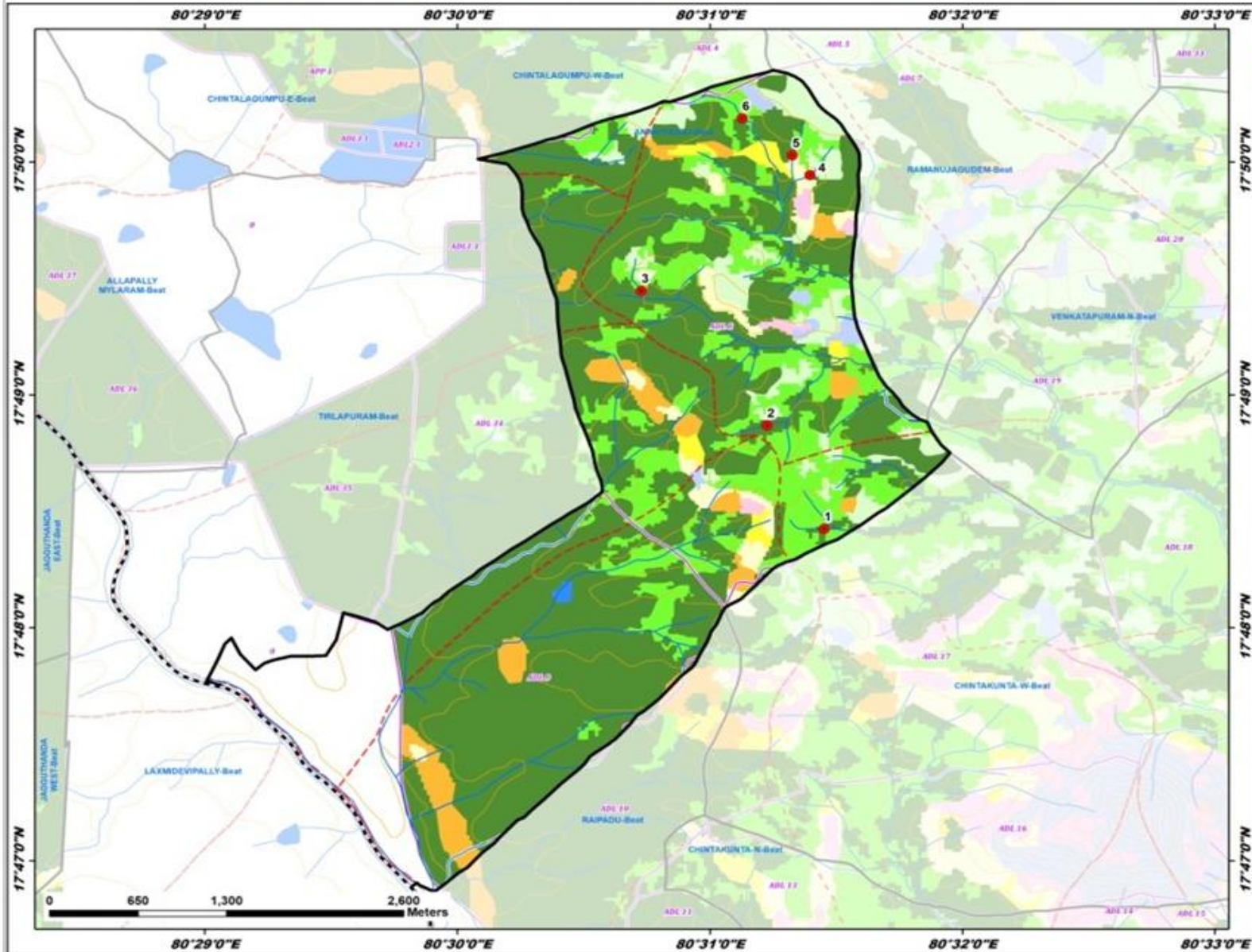
List of Proposed PTs – Allapally Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
1	17.807087	80.524222	10.00	I	ANANTHOGU	41	17.817472	80.554158	25.71	III	CHINTAKUNTA-W	81	17.811307	80.585555	27.05	III	VENKATAPURAM-S
2	17.814485	80.520456	11.26	I	ANANTHOGU	42	17.786633	80.525272	30.29	III	CHINTAKUNTA-W	82	17.814948	80.568770	6.56	IV	VENKATAPURAM-S
3	17.824129	80.512156	8.97	I	ANANTHOGU	43	17.790836	80.531959	69.56	IV	CHINTAKUNTA-W	83	17.807414	80.584058	51.71	III	VENKATAPURAM-S
4	17.832413	80.523292	11.36	II	ANANTHOGU	44	17.865096	80.571111	18.82	II	VENKATAPURAM	84	17.822086	80.587303	21.92	II	VENKATAPURAM-W
5	17.833811	80.522115	14.39	II	ANANTHOGU	45	17.864411	80.568876	5.61	II	VENKATAPURAM	85	17.846804	80.579545	14.85	I	YERRAGUTTA
6	17.836458	80.518808	36.09	III	ANANTHOGU	46	17.851915	80.573959	22.91	II	VENKATAPURAM	86	17.848044	80.581482	4.55	I	YERRAGUTTA
7	17.846114	80.540613	12.87	I	RAMANUJAGUDEM	47	17.870052	80.577449	27.02	III	VENKATAPURAM	87	17.858530	80.584643	9.25	II	YERRAGUTTA
8	17.842282	80.543050	10.68	I	RAMANUJAGUDEM	48	17.853677	80.610514	10.61	I	VENKATAPURAM-E	88	17.850937	80.582202	4.67	II	YERRAGUTTA
9	17.857509	80.530710	12.92	I	RAMANUJAGUDEM	49	17.845388	80.608161	10.89	II	VENKATAPURAM-E	89	17.864163	80.582670	5.24	II	YERRAGUTTA
10	17.855200	80.533553	8.10	II	RAMANUJAGUDEM	50	17.855773	80.610367	14.65	II	VENKATAPURAM-E	90	17.856895	80.587096	10.38	IV	YERRAGUTTA
11	17.844752	80.531527	14.29	II	RAMANUJAGUDEM	51	17.850485	80.611353	7.17	II	VENKATAPURAM-E	91	17.854975	80.588184	13.58	IV	YERRAGUTTA
12	17.855091	80.535548	13.79	II	RAMANUJAGUDEM	52	17.839206	80.595531	12.21	II	VENKATAPURAM-E	92	17.866667	80.580542	7.85	IV	YERRAGUTTA
13	17.825408	80.535545	17.00	II	RAMANUJAGUDEM	53	17.843712	80.610766	6.47	II	VENKATAPURAM-E	93	17.848725	80.585374	7.27	IV	YERRAGUTTA
14	17.849703	80.519665	29.82	II	RAMANUJAGUDEM	54	17.854724	80.610460	6.09	II	VENKATAPURAM-E	94	17.851823	80.581555	7.75	IV	YERRAGUTTA
15	17.857010	80.525772	16.44	II	RAMANUJAGUDEM	55	17.845061	80.618597	10.21	II	VENKATAPURAM-E	95	17.857034	80.579243	7.75	IV	YERRAGUTTA
16	17.836210	80.541716	28.89	III	RAMANUJAGUDEM	56	17.851055	80.620281	7.60	IV	VENKATAPURAM-E	96	17.849074	80.584300	6.20	IV	YERRAGUTTA
17	17.840741	80.524199	30.04	V	RAMANUJAGUDEM	57	17.829930	80.551044	19.48	I	VENKATAPURAM-N	97	17.861902	80.580678	8.79	IV	YERRAGUTTA
18	17.844060	80.538882	77.62	IV	RAMANUJAGUDEM	58	17.829733	80.577846	14.19	II	VENKATAPURAM-N	98	17.850905	80.590091	8.75	IV	YERRAGUTTA
19	17.795674	80.595500	5.49	I	ARLAGANDI-W	59	17.831198	80.584083	6.35	II	VENKATAPURAM-N						
20	17.772926	80.531153	17.41	II	CHINTAKUNTA-N	60	17.830995	80.572582	15.24	II	VENKATAPURAM-N						
21	17.782651	80.526445	17.39	II	CHINTAKUNTA-N	61	17.822937	80.547836	5.13	II	VENKATAPURAM-N						
22	17.778977	80.543371	16.41	II	CHINTAKUNTA-N	62	17.841430	80.584380	5.58	II	VENKATAPURAM-N						
23	17.775070	80.543201	27.27	II	CHINTAKUNTA-N	63	17.832648	80.549787	6.86	II	VENKATAPURAM-N						
24	17.770000	80.534838	34.10	II	CHINTAKUNTA-N	64	17.829302	80.554266	7.32	II	VENKATAPURAM-N						
25	17.776968	80.543560	34.02	II	CHINTAKUNTA-N	65	17.826367	80.554875	26.02	II	VENKATAPURAM-N						
26	17.799446	80.539601	14.07	I	CHINTAKUNTA-W	66	17.829246	80.583216	5.27	II	VENKATAPURAM-N						
27	17.788123	80.537780	9.29	I	CHINTAKUNTA-W	67	17.822833	80.573080	6.54	II	VENKATAPURAM-N						
28	17.800624	80.529805	16.37	I	CHINTAKUNTA-W	68	17.826255	80.586584	13.99	II	VENKATAPURAM-N						
29	17.801900	80.532895	17.46	I	CHINTAKUNTA-W	69	17.830821	80.585220	9.14	II	VENKATAPURAM-N						
30	17.816189	80.555654	14.80	I	CHINTAKUNTA-W	70	17.837042	80.548030	15.37	IV	VENKATAPURAM-N						
31	17.789839	80.533731	5.68	II	CHINTAKUNTA-W	71	17.826949	80.569986	45.59	III	VENKATAPURAM-N						
32	17.813499	80.550329	16.62	II	CHINTAKUNTA-W	72	17.823409	80.583045	30.33	III	VENKATAPURAM-N						
33	17.793710	80.523663	8.81	II	CHINTAKUNTA-W	73	17.804881	80.562476	22.62	I	VENKATAPURAM-S						
34	17.789304	80.553791	6.64	II	CHINTAKUNTA-W	74	17.823661	80.561392	21.86	II	VENKATAPURAM-S						
35	17.808977	80.554998	10.63	II	CHINTAKUNTA-W	75	17.813797	80.562196	7.56	II	VENKATAPURAM-S						
36	17.794110	80.550211	7.30	II	CHINTAKUNTA-W	76	17.820561	80.561026	13.42	II	VENKATAPURAM-S						
37	17.803214	80.527312	14.52	II	CHINTAKUNTA-W	77	17.816672	80.570172	8.51	II	VENKATAPURAM-S						
38	17.801987	80.547156	6.27	II	CHINTAKUNTA-W	78	17.806735	80.573259	7.28	II	VENKATAPURAM-S						
39	17.811339	80.556470	19.98	II	CHINTAKUNTA-W	79	17.814277	80.562581	11.75	II	VENKATAPURAM-S						
40	17.792429	80.544421	16.94	II	CHINTAKUNTA-W	80	17.811664	80.565972	16.15	II	VENKATAPURAM-S						

Map Showing Suitability index for Construction of SMC Works of Ananthogu Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
1	17.807087	80.524222	10.00	I
2	17.814485	80.520456	11.26	I
3	17.824129	80.512156	8.97	I
4	17.832413	80.523292	11.36	II
5	17.833811	80.521115	14.39	II
6	17.836438	80.518808	36.09	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

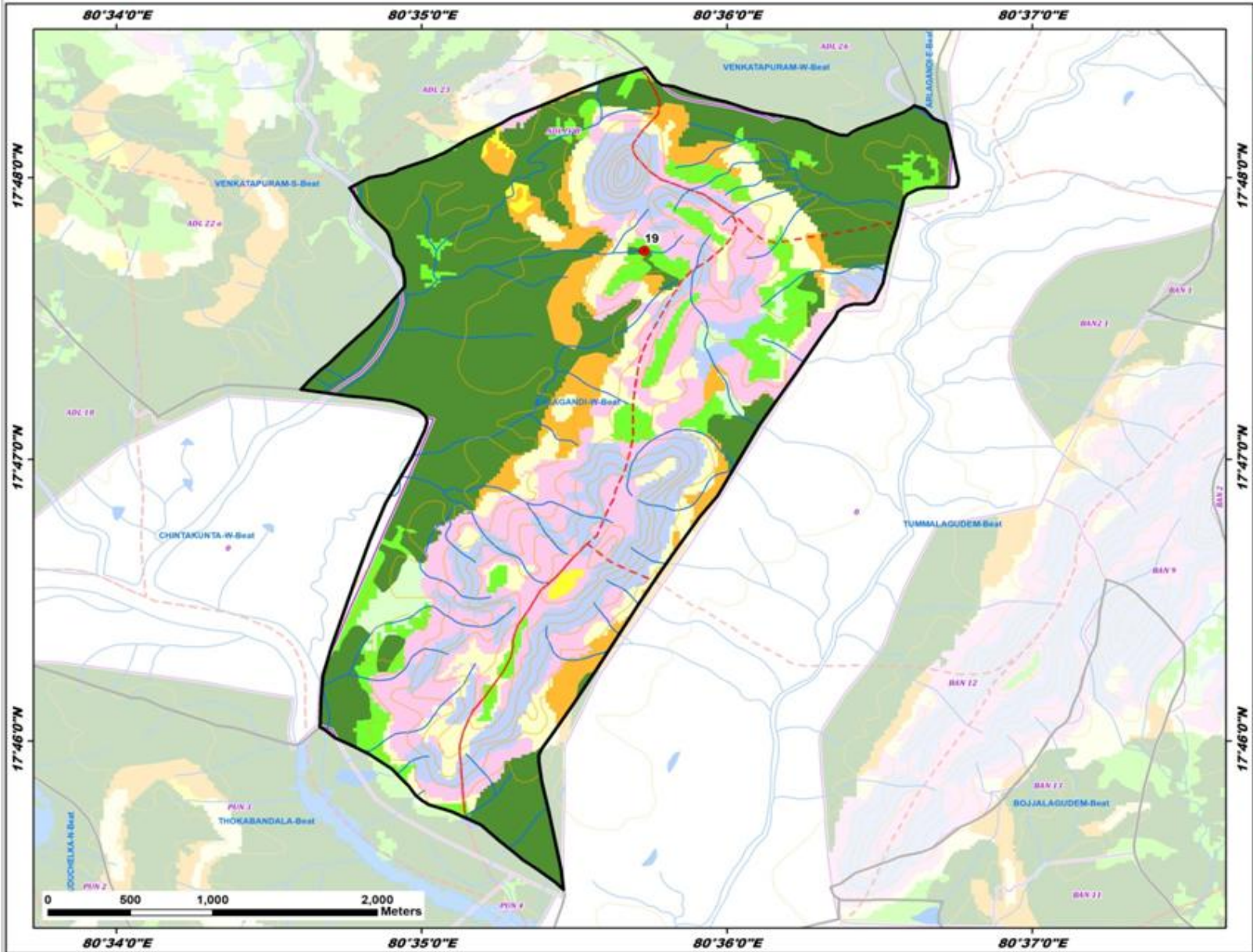
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Arlagandi West Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
19	17.795674	80.595500	5.49	1

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

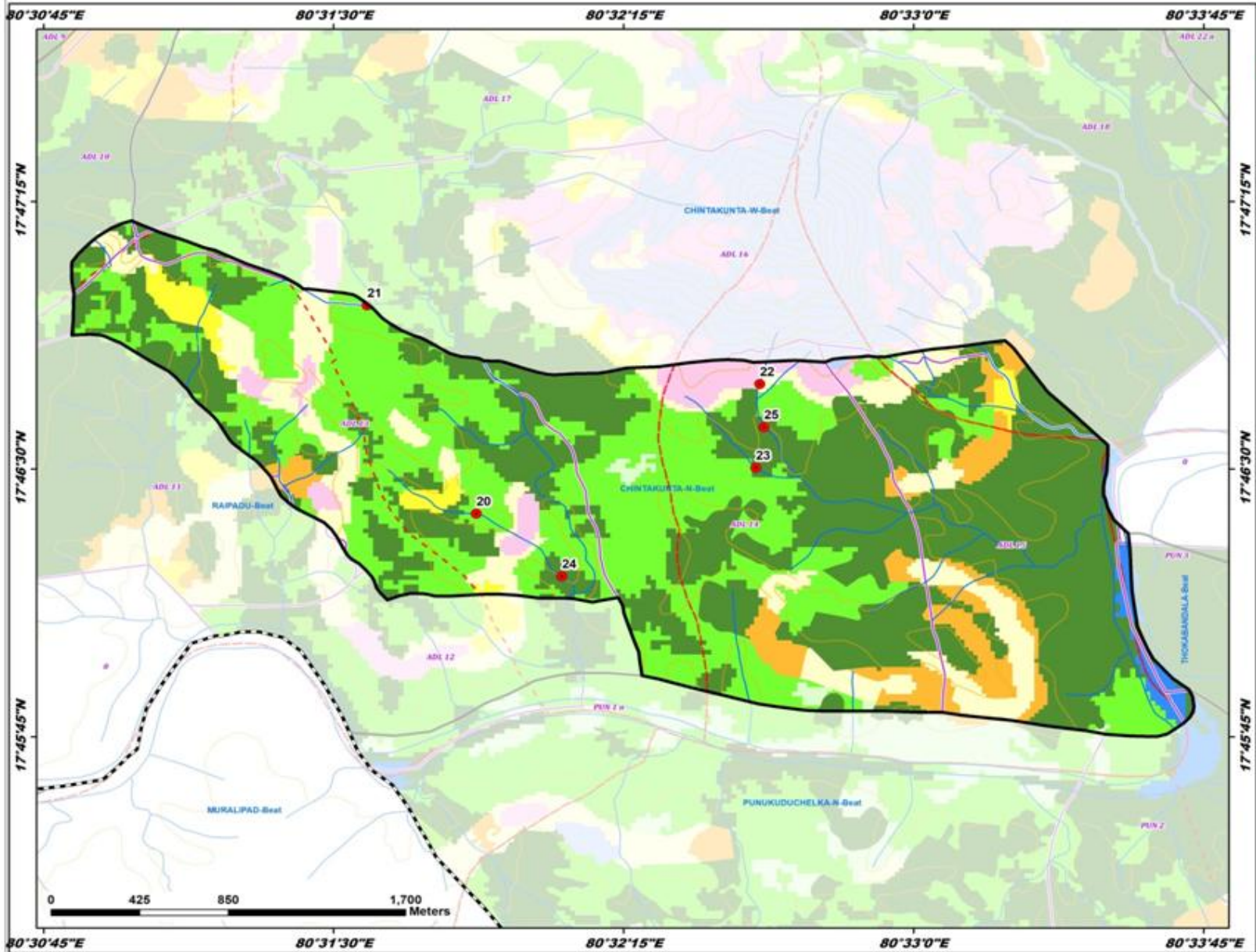
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Chintakunta North Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
20	17.772926	80.531353	17.41	II
21	17.782651	80.526445	17.39	II
22	17.778977	80.543371	16.41	II
23	17.779070	80.543201	27.27	II
24	17.770000	80.534888	34.10	II
25	17.776968	80.543560	34.02	II

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬮ Watershed Boundary
- ⬮ Compartment Boundary
- ⬮ Beat Boundary
- ⬮ Division Boundary

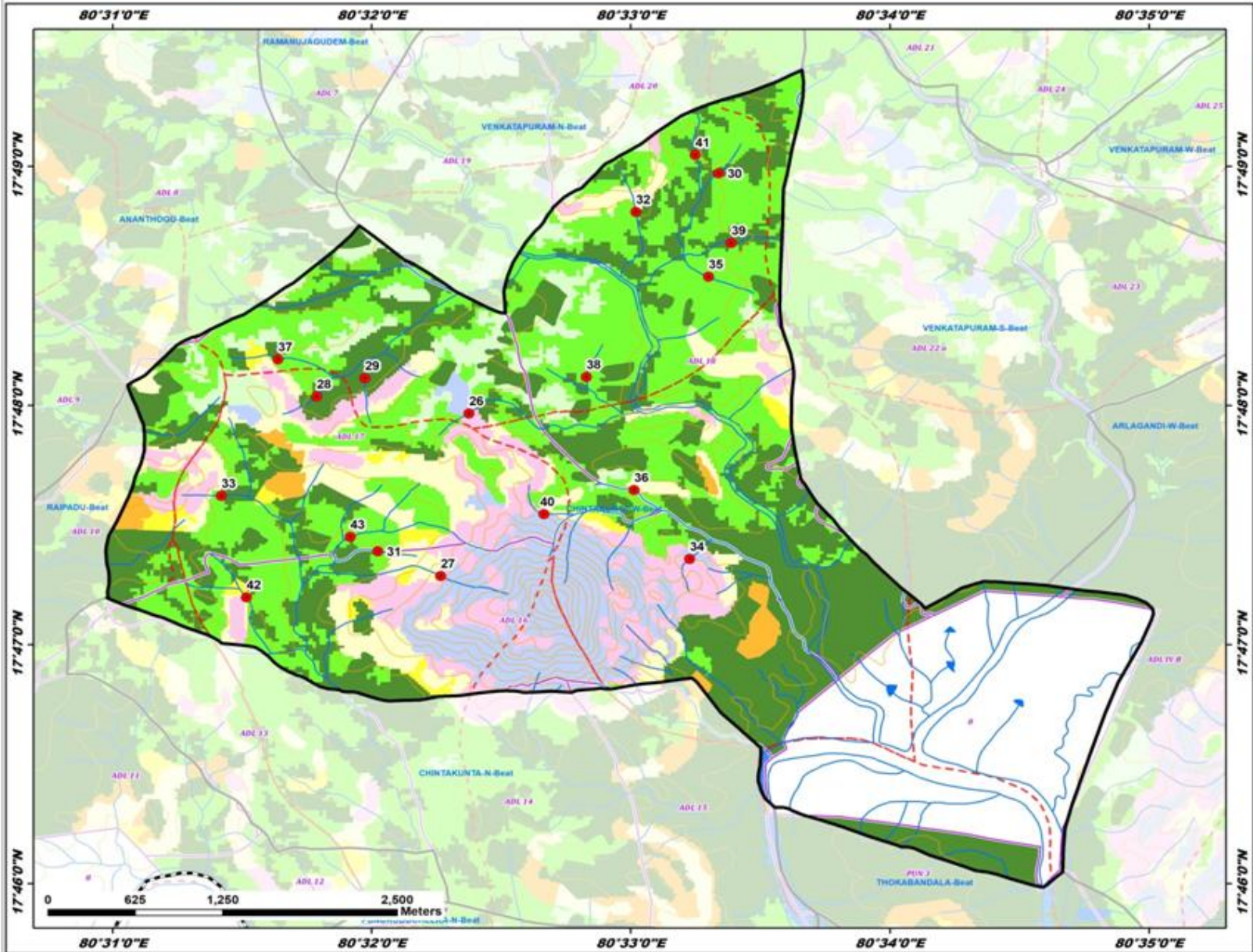
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Chintakunta West Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
26	17.79946	80.53960	14.07	I
27	17.78812	80.53778	9.29	I
28	17.80062	80.52985	16.37	I
29	17.80190	80.53285	17.46	I
30	17.81618	80.55954	14.80	I
31	17.78989	80.53171	5.68	II
32	17.81349	80.55029	16.62	II
33	17.79370	80.52366	8.81	II
34	17.78930	80.55179	6.64	II
35	17.80877	80.55498	10.63	II
36	17.79410	80.55021	7.30	II
37	17.80324	80.52732	14.52	II
38	17.80196	80.54716	6.27	II
39	17.81139	80.55647	19.98	II
40	17.79249	80.54421	16.94	II
41	17.81747	80.55415	25.71	II
42	17.78663	80.52527	30.29	III
43	17.79036	80.53199	69.56	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

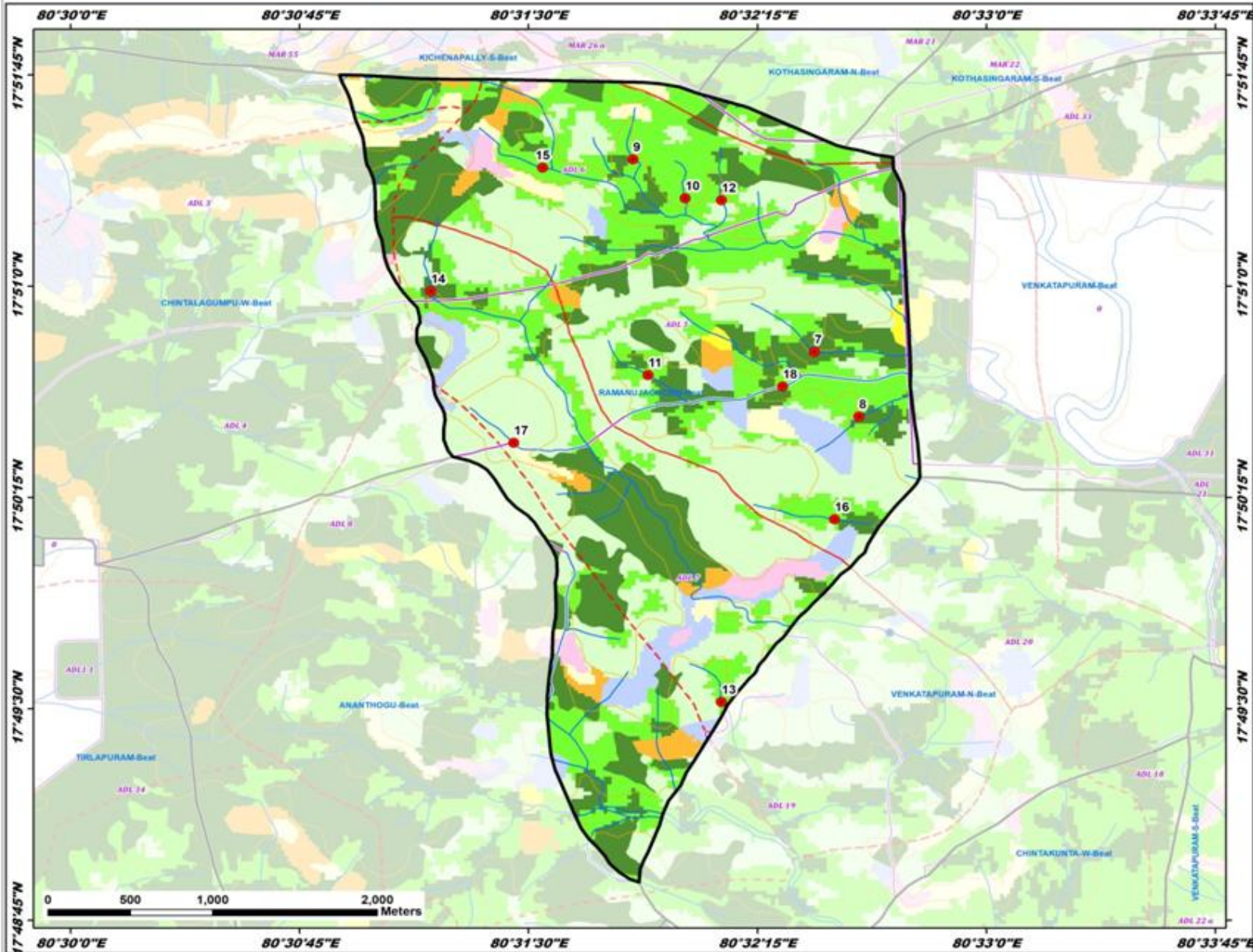
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Ramanujagudem Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
7	17.846114	80.540623	12.87	I
8	17.842282	80.543050	10.68	I
9	17.857509	80.530720	12.92	I
10	17.855200	80.533553	6.10	II
11	17.844752	80.531527	14.29	II
12	17.855091	80.535548	13.79	II
13	17.825408	80.535545	17.00	II
14	17.849703	80.519665	29.82	II
15	17.857020	80.525772	16.44	II
16	17.836220	80.541758	28.89	III
17	17.840741	80.524299	30.04	V
18	17.844060	80.538882	77.62	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary

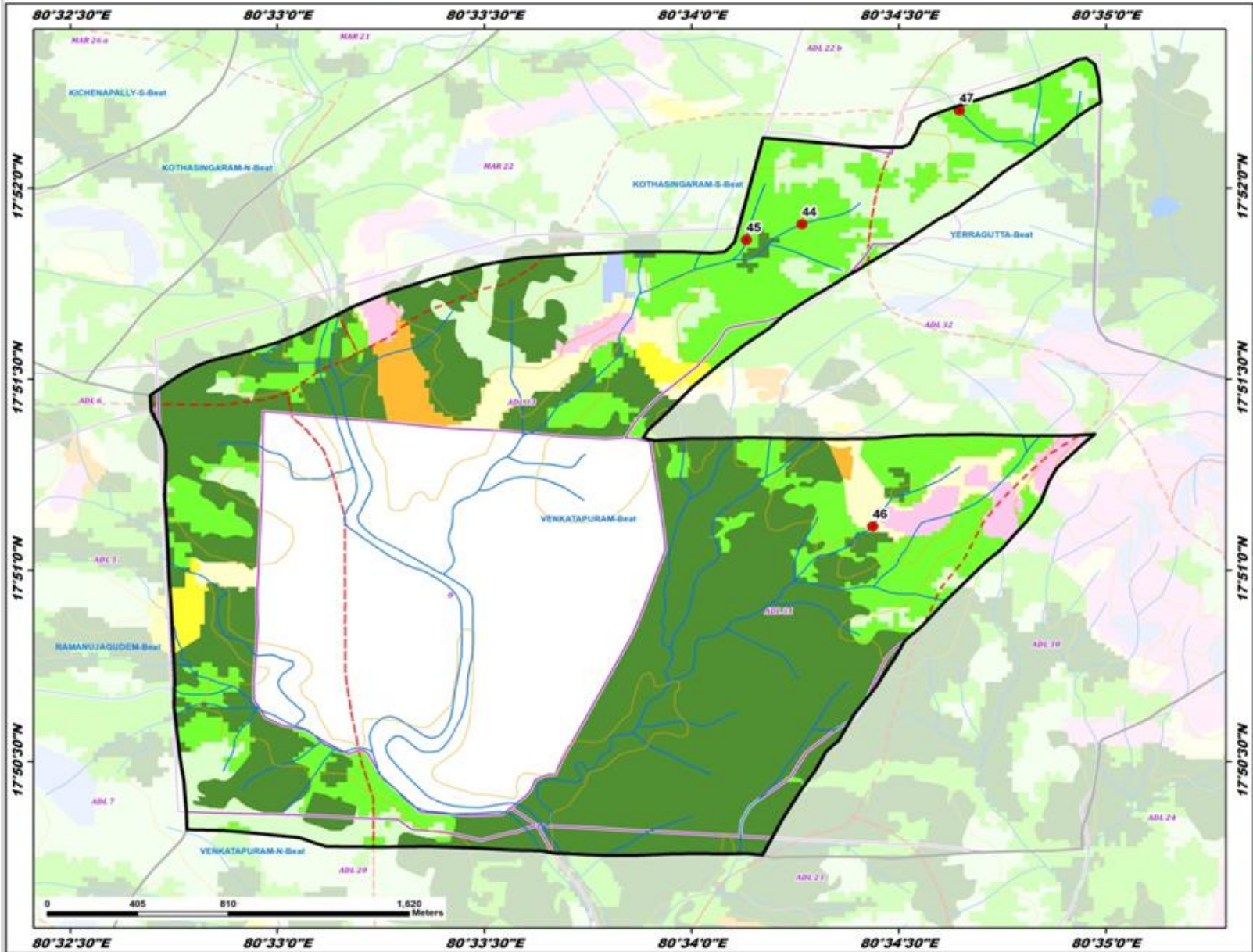
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Venkatapuram Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
44	17.865096	80.571111	18.82	II
45	17.864411	80.568876	5.61	II
46	17.851915	80.573959	22.91	II
47	17.870052	80.577449	27.02	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

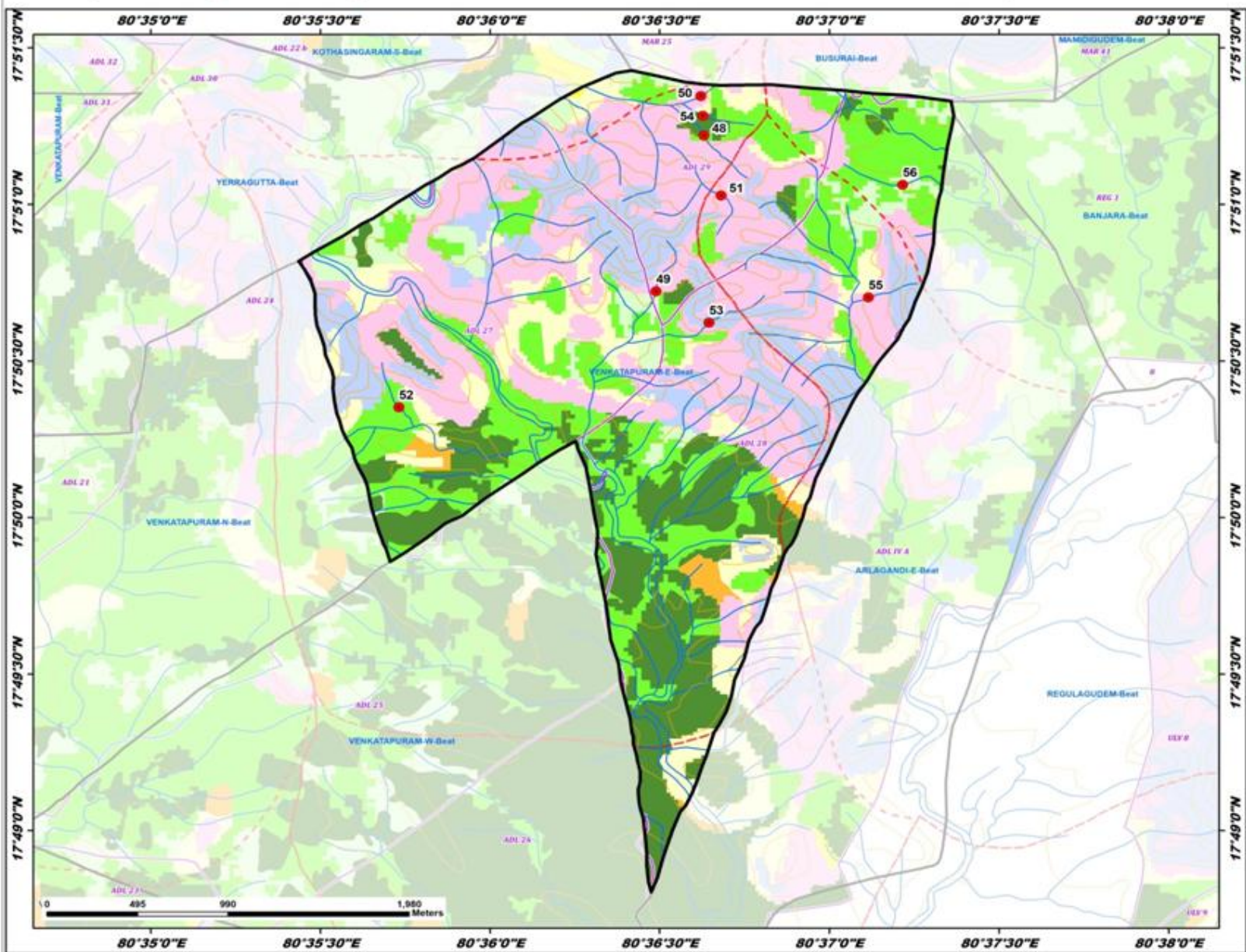
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs- Highly Suitable
- PTs- Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Venkatapuram East Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
48	17.853677	80.610514	30.41	I
49	17.845388	80.608361	10.89	II
50	17.855773	80.610367	14.65	II
51	17.850485	80.611353	7.17	II
52	17.839206	80.595531	12.21	II
53	17.843712	80.610796	6.47	II
54	17.854724	80.610460	6.09	II
55	17.845061	80.618597	10.21	II
56	17.851055	80.620281	7.60	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

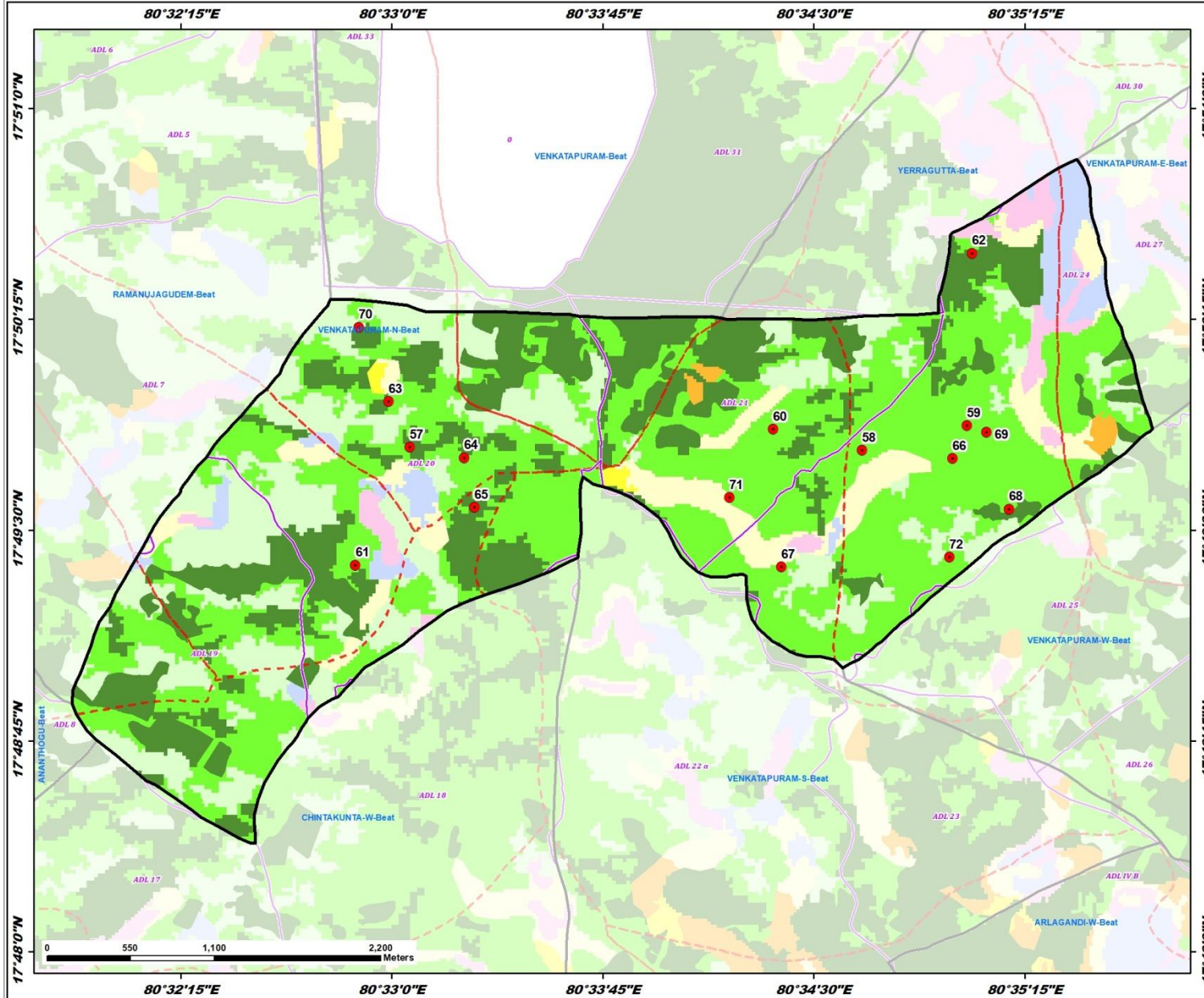
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Venkatapuram North Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
57	17.829930	80.551044	19.48	I
58	17.829733	80.577846	14.19	II
59	17.831198	80.584083	6.35	II
60	17.830995	80.572582	15.24	II
61	17.822937	80.547836	5.13	II
62	17.841430	80.584380	5.58	II
63	17.832648	80.549787	6.86	II
64	17.829302	80.554266	7.32	II
65	17.826367	80.554875	26.02	II
66	17.829246	80.583216	5.27	II
67	17.822833	80.573080	6.54	II
68	17.826255	80.586584	13.99	II
69	17.830821	80.585220	9.14	II
70	17.837042	80.548030	15.37	IV
71	17.826949	80.569986	45.59	III
72	17.823409	80.583045	30.33	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

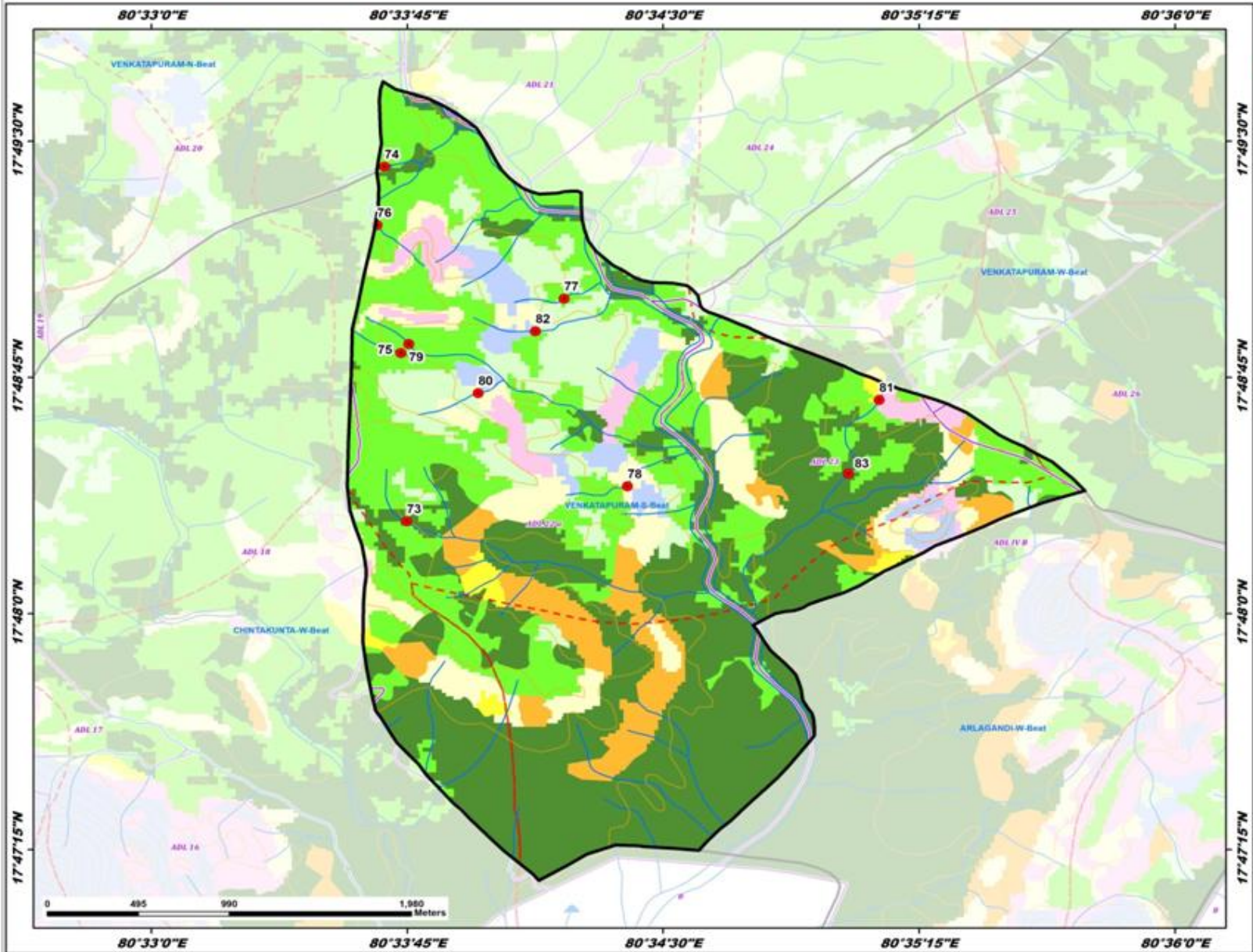
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Venkatapuram South Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
73	17.804881	80.562476	22.62	I
74	17.823661	80.561392	21.86	II
75	17.813797	80.562196	7.56	II
76	17.820561	80.563206	13.42	II
77	17.816672	80.570172	8.51	II
78	17.806735	80.573259	7.28	II
79	17.814277	80.562581	11.75	II
80	17.811664	80.565972	16.15	II
81	17.811307	80.585555	27.05	III
82	17.814948	80.568770	6.56	IV
83	17.807414	80.584058	51.71	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬮ Watershed Boundary
- ⬮ Compartment Boundary
- ⬮ Beat Boundary
- ⬮ Division Boundary

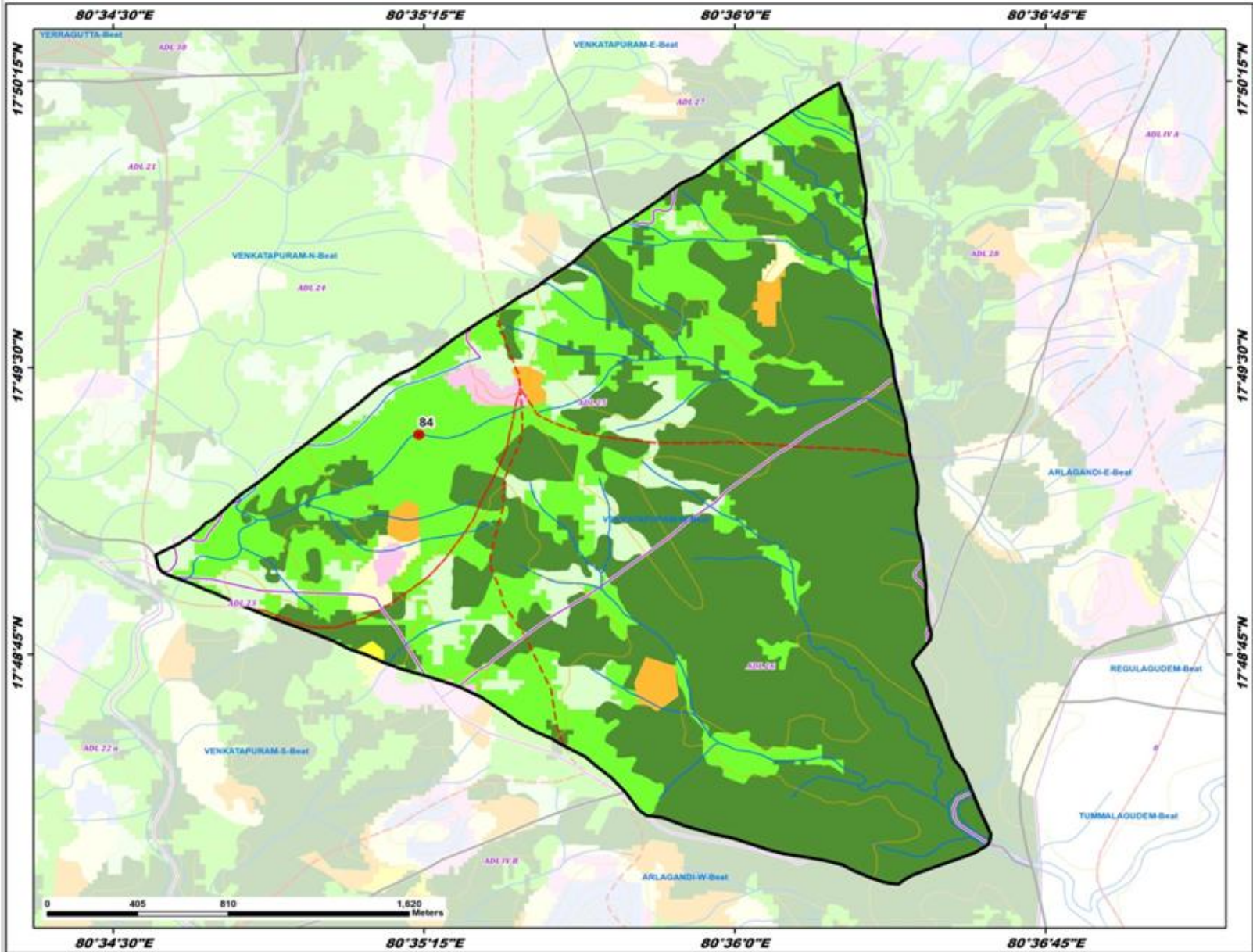
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Venkatapuram West Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
84	17.822086	80.587303	21.92	II

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

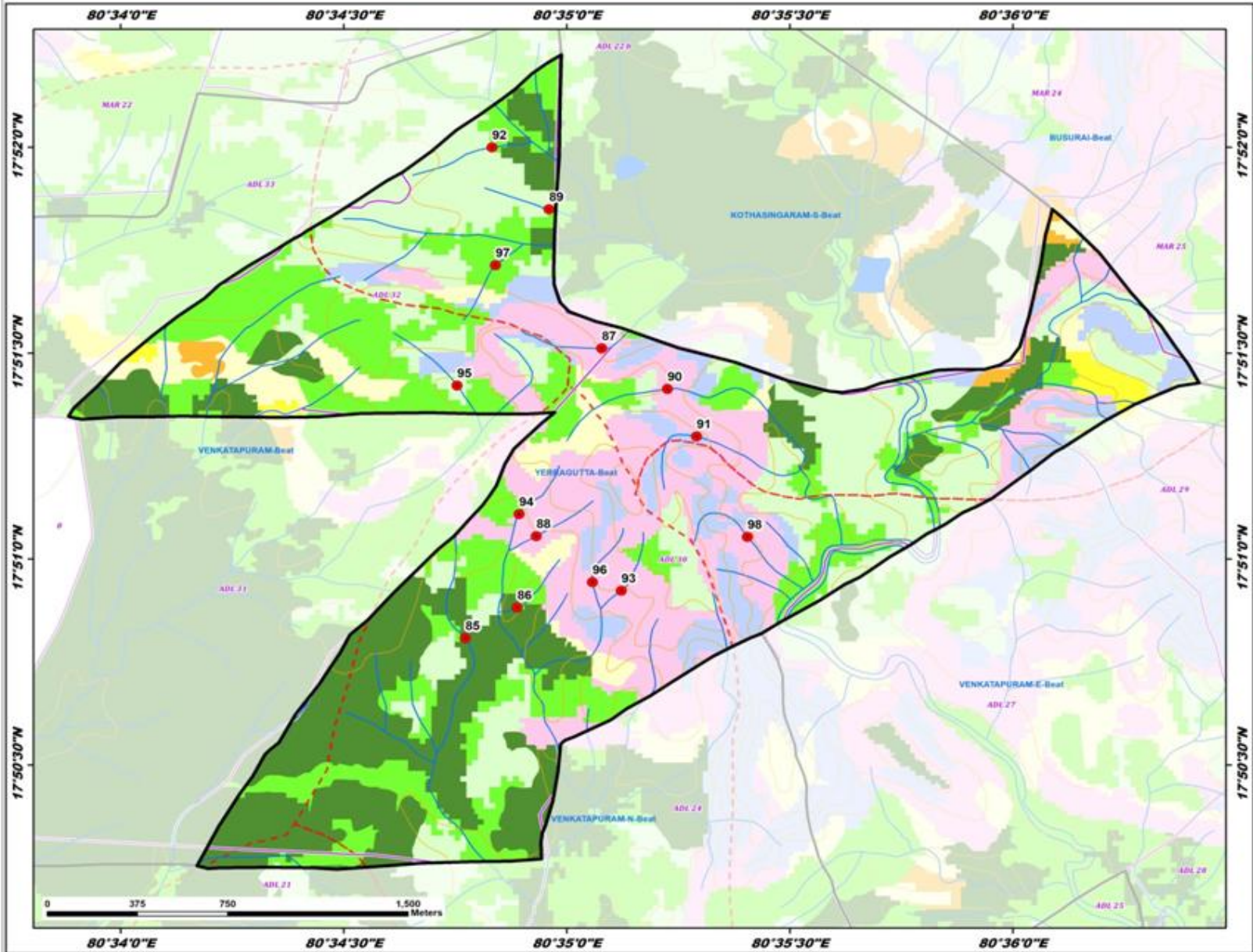
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Yerragutta Beat



Division : Kinnerasani
Range : Allapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
85	17.846804	80.579545	14.85	I
86	17.848044	80.581482	4.55	I
87	17.858530	80.584643	9.25	II
88	17.850987	80.582202	4.67	II
89	17.864163	80.582670	5.24	II
90	17.856895	80.587096	10.38	IV
91	17.854875	80.588184	13.58	IV
92	17.866667	80.580542	7.85	IV
93	17.848725	80.585374	7.27	IV
94	17.851823	80.581555	7.75	IV
95	17.857094	80.579243	7.75	IV
96	17.849074	80.584300	6.20	IV
97	17.861962	80.580678	8.79	IV
98	17.850905	80.590091	8.75	IV

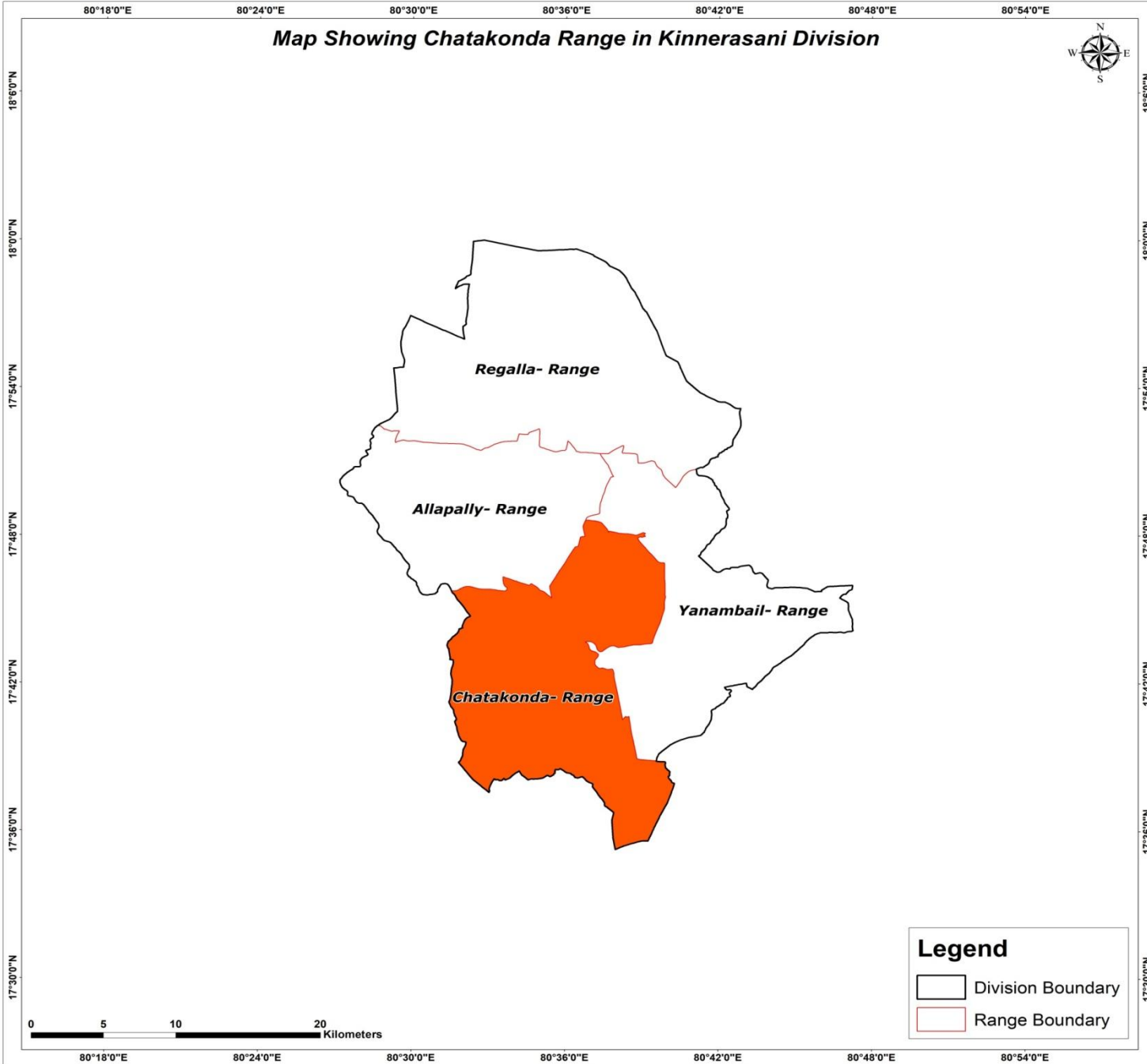
LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Chatakonda Range in Kinnerasani Division



18°0'0"N
18°0'0"N
17°54'0"N
17°48'0"N
17°42'0"N
17°36'0"N
17°30'0"N

18°0'0"N
18°0'0"N
17°54'0"N
17°48'0"N
17°42'0"N
17°36'0"N
17°30'0"N

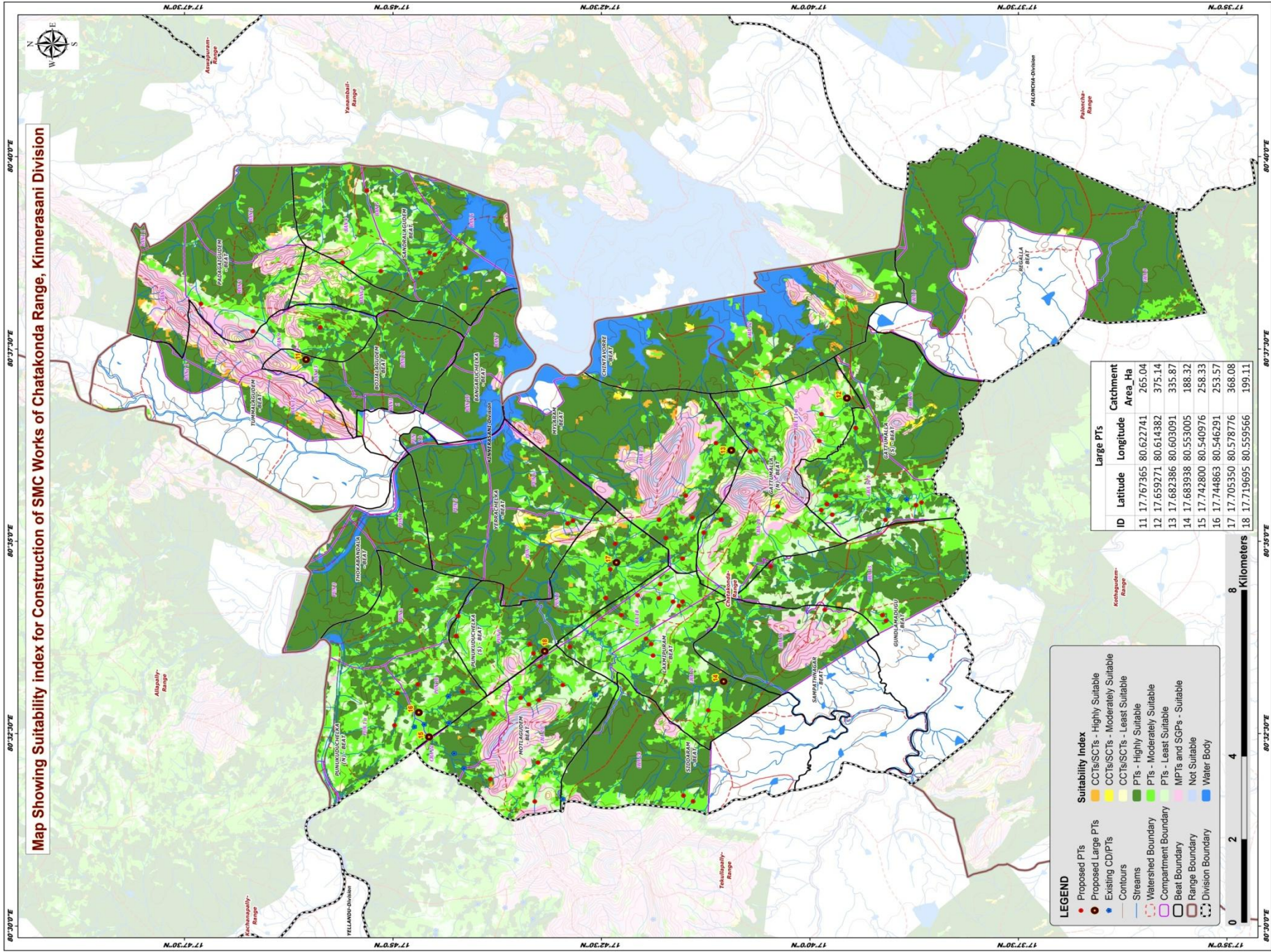
80°18'0"E 80°24'0"E 80°30'0"E 80°36'0"E 80°42'0"E 80°48'0"E 80°54'0"E

80°18'0"E 80°24'0"E 80°30'0"E 80°36'0"E 80°42'0"E 80°48'0"E 80°54'0"E

0 5 10 20 Kilometers

Legend
Division Boundary
Range Boundary

Map Showing Suitability index for Construction of SMC Works of Chatakonda Range, Kinnerasani Division



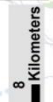
LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Range Boundary
- Division Boundary

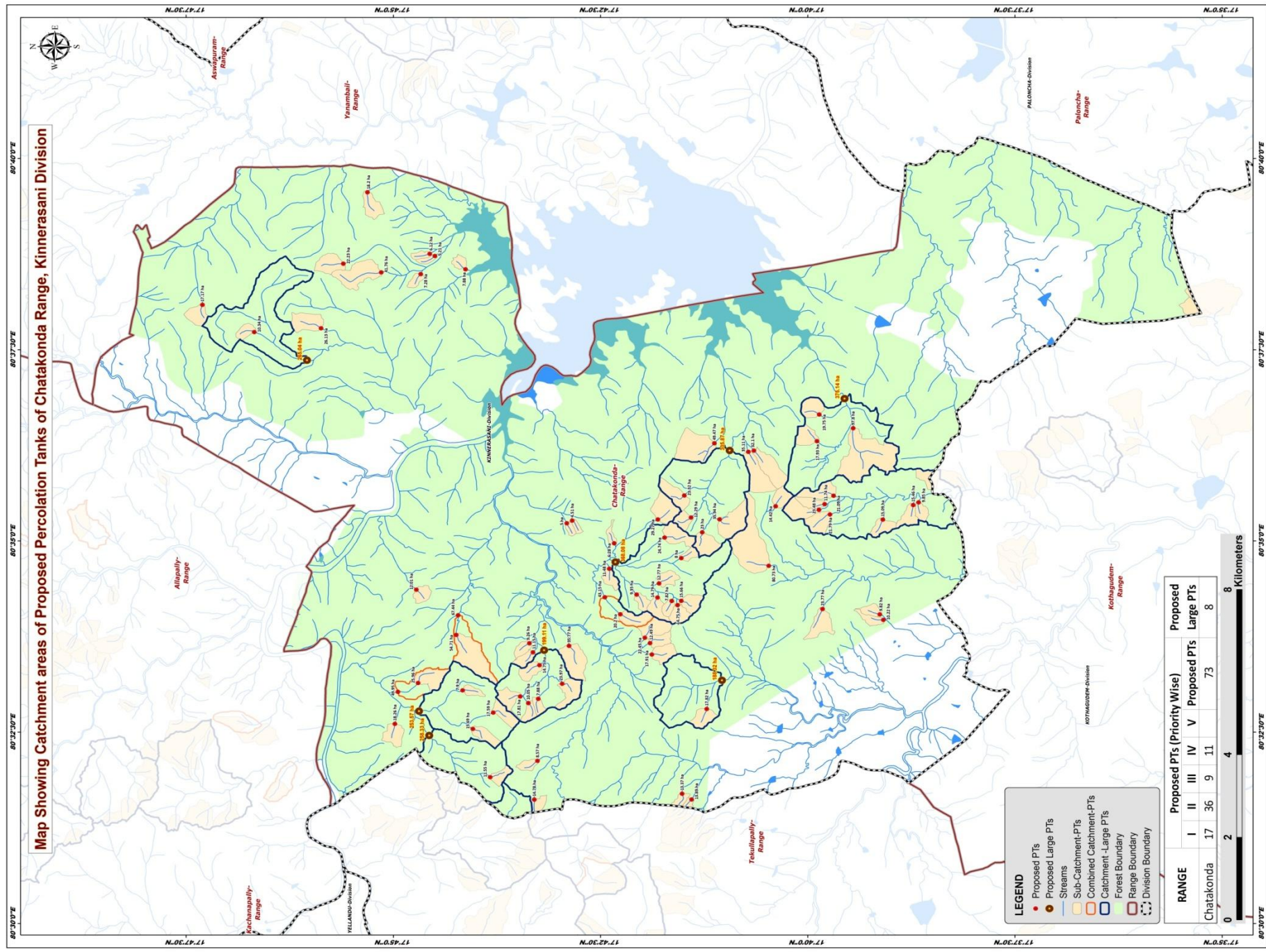
Suitability Index

- Red: CCTS/SCTS - Highly Suitable
- Orange: CCTS/SCTS - Moderately Suitable
- Yellow: CCTS/SCTS - Least Suitable
- Green: PTs - Highly Suitable
- Light Green: PTs - Moderately Suitable
- Light Yellow: PTs - Least Suitable
- White: MPTs and SGP's - Suitable
- Light Blue: Not Suitable
- Blue: Water Body

ID	Latitude	Longitude	Catchment Area Ha
11	17.767365	80.622741	265.04
12	17.659271	80.614382	375.14
13	17.682386	80.603091	335.87
14	17.683938	80.553005	188.32
15	17.742800	80.540976	258.33
16	17.744863	80.546291	253.57
17	17.705350	80.578776	368.08
18	17.719695	80.559566	199.11



Map Showing Catchment areas of Proposed Percolation Tanks of Chatakonda Range, Kinnerasani Division



LEGEND

- Proposed PTs
- Proposed Large PTs
- Streams
- Sub-Catchment-PTs
- Combined Catchment-PTs
- Catchment - Large PTs
- Forest Boundary
- Range Boundary
- Division Boundary

RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Chatakonda	17	36	9	11	73	8



17°30'N 17°35'N 17°40'N 17°45'N 17°50'N
80°30'E 80°35'E 80°40'E 80°45'E 80°50'E

17°30'N 17°35'N 17°40'N 17°45'N 17°50'N
80°30'E 80°35'E 80°40'E 80°45'E 80°50'E

Beat wise Abstract of Proposed PT's – Chatakonda Range

S. No.	Beat	Proposed PT's
1	GATTUMALLA-N	7
2	GATTUMALLA-S	8
3	GUNDLAMADUGU	3
4	LAXMIPURAM	12
5	MOTLAGUDEM	10
6	MYLARAM	6
7	PADAGAIGUDEM	2
8	PUNUKUDUCHELKA-N	5
9	PUNUKUDUCHELKA-S	7
10	SAMPATHNAGAR	1
11	SANDRALAGUDEM	7
12	SIDDARAM	2
13	TUMMALAGUDEM	1
14	YERRACHELKA	2
	Total	73

List of Proposed PTs – Chatakonda Range

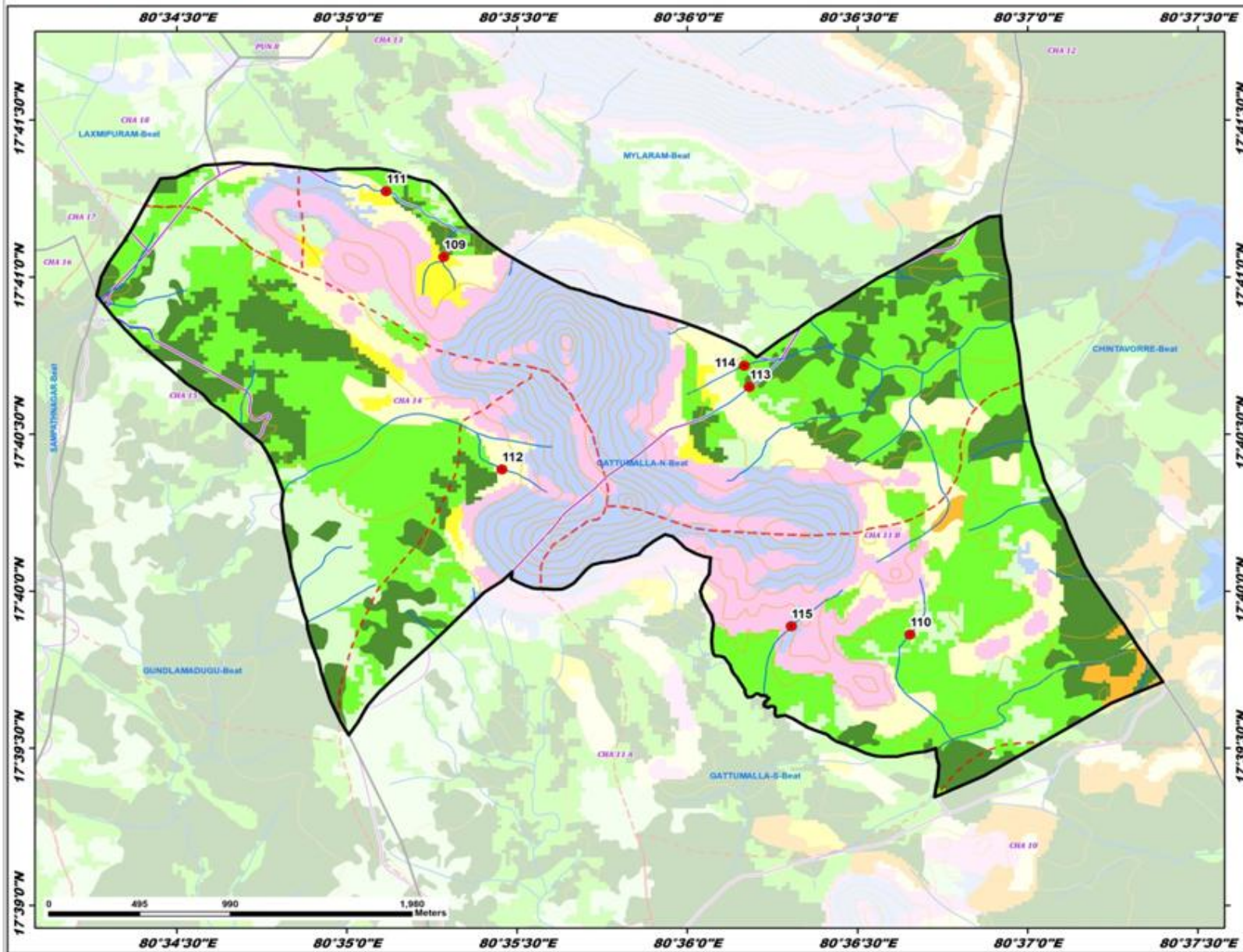
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
99	17.788406	80.634809	17.17	II	PADAGAIGUDEM
100	17.777967	80.628879	10.34	IV	PADAGAIGUDEM
101	17.735508	80.642560	7.88	I	SANDRALAGUDEM
102	17.755213	80.659339	18.20	I	SANDRALAGUDEM
103	17.741659	80.645454	5.21	II	SANDRALAGUDEM
104	17.744494	80.641520	7.28	II	SANDRALAGUDEM
105	17.742686	80.645936	6.12	II	SANDRALAGUDEM
106	17.760063	80.643781	22.23	II	SANDRALAGUDEM
107	17.752453	80.641893	41.76	III	SANDRALAGUDEM
108	17.764538	80.629717	26.13	III	TUMMALAGUDEM
109	17.684407	80.588085	35.94	II	GATTUMALLA-N
110	17.664373	80.610913	19.75	II	GATTUMALLA-N
111	17.687894	80.585257	23.00	II	GATTUMALLA-N
112	17.673136	80.590929	14.42	II	GATTUMALLA-N
113	17.677505	80.603049	32.10	III	GATTUMALLA-N
114	17.678632	80.602795	35.11	III	GATTUMALLA-N
115	17.664813	80.605101	17.93	IV	GATTUMALLA-N
116	17.645464	80.591188	15.46	I	GATTUMALLA-S
117	17.661489	80.593208	21.09	II	GATTUMALLA-S
118	17.664412	80.590156	23.48	II	GATTUMALLA-S
119	17.644388	80.591785	9.85	II	GATTUMALLA-S
120	17.663286	80.591376	11.74	II	GATTUMALLA-S
121	17.662203	80.589132	21.79	IV	GATTUMALLA-S
122	17.657549	80.607920	97.80	IV	GATTUMALLA-S
123	17.651590	80.588014	15.09	IV	GATTUMALLA-S
124	17.651466	80.566177	10.22	II	GUNDLAMADUGU
125	17.652190	80.567366	9.82	II	GUNDLAMADUGU
126	17.674521	80.577946	80.73	III	GUNDLAMADUGU
127	17.695481	80.584096	24.74	I	MYLARAM
128	17.690154	80.588477	12.29	I	MYLARAM
129	17.691494	80.593284	23.32	I	MYLARAM
130	17.692121	80.579630	8.00	II	MYLARAM
131	17.685463	80.604664	49.47	III	MYLARAM
132	17.696841	80.588049	29.27	III	MYLARAM
133	17.699450	80.562287	22.45	II	LAXMIPURAM
134	17.698393	80.561107	12.49	II	LAXMIPURAM
135	17.686988	80.546771	17.82	II	LAXMIPURAM
136	17.704379	80.567393	20.20	II	LAXMIPURAM
137	17.696880	80.571046	14.79	II	LAXMIPURAM
138	17.714675	80.560533	35.77	II	LAXMIPURAM

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
139	17.701088	80.571677	9.35	II	LAXMIPURAM
140	17.692103	80.570315	15.66	II	LAXMIPURAM
141	17.694024	80.570299	7.82	II	LAXMIPURAM
142	17.696591	80.574124	12.77	II	LAXMIPURAM
143	17.698036	80.558623	17.91	IV	LAXMIPURAM
144	17.692869	80.569391	14.75	IV	LAXMIPURAM
145	17.729918	80.545970	17.59	I	MOTLAGUDEM
146	17.734036	80.542413	15.69	I	MOTLAGUDEM
147	17.720870	80.548984	7.88	I	MOTLAGUDEM
148	17.720623	80.556300	14.75	I	MOTLAGUDEM
149	17.730553	80.531904	11.55	I	MOTLAGUDEM
150	17.724489	80.549489	17.81	II	MOTLAGUDEM
151	17.716078	80.552259	23.97	II	MOTLAGUDEM
152	17.721027	80.535480	8.57	II	MOTLAGUDEM
153	17.722874	80.548045	10.05	II	MOTLAGUDEM
154	17.721655	80.527017	14.78	IV	MOTLAGUDEM
155	17.736081	80.550831	7.90	I	PUNUKUDUCHELKA-N
156	17.749697	80.543513	18.26	I	PUNUKUDUCHELKA-N
157	17.745379	80.572748	12.01	I	PUNUKUDUCHELKA-N
158	17.745036	80.552431	25.96	II	PUNUKUDUCHELKA-N
159	17.749082	80.550498	49.95	III	PUNUKUDUCHELKA-N
160	17.721945	80.559120	11.15	I	PUNUKUDUCHELKA-S
161	17.705608	80.582850	6.28	I	PUNUKUDUCHELKA-S
162	17.722665	80.561071	9.26	I	PUNUKUDUCHELKA-S
163	17.706585	80.577308	11.48	II	PUNUKUDUCHELKA-S
164	17.737374	80.562901	54.71	IV	PUNUKUDUCHELKA-S
165	17.707494	80.571094	43.15	III	PUNUKUDUCHELKA-S
166	17.737000	80.567193	67.44	IV	PUNUKUDUCHELKA-S
167	17.663692	80.568543	23.77	IV	SAMPATHNAGAR
168	17.690044	80.527061	13.89	II	SIDDARAM
169	17.691947	80.528302	13.37	II	SIDDARAM
170	17.714033	80.587812	4.51	II	YERRACHELKA
171	17.715148	80.587237	5.00	II	YERRACHELKA

Map Showing Suitability index for Construction of SMC Works of Gattumalla North Beat



Division : Kinnerasani
Range : Chatakonda



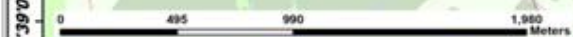
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
109	17.684407	80.588085	35.94	II
110	17.664373	80.610913	19.75	II
111	17.687894	80.585257	23.00	II
112	17.673136	80.590529	14.42	II
113	17.677505	80.603049	32.10	III
114	17.678632	80.602795	35.11	III
115	17.664813	80.605101	17.93	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

Suitability Index

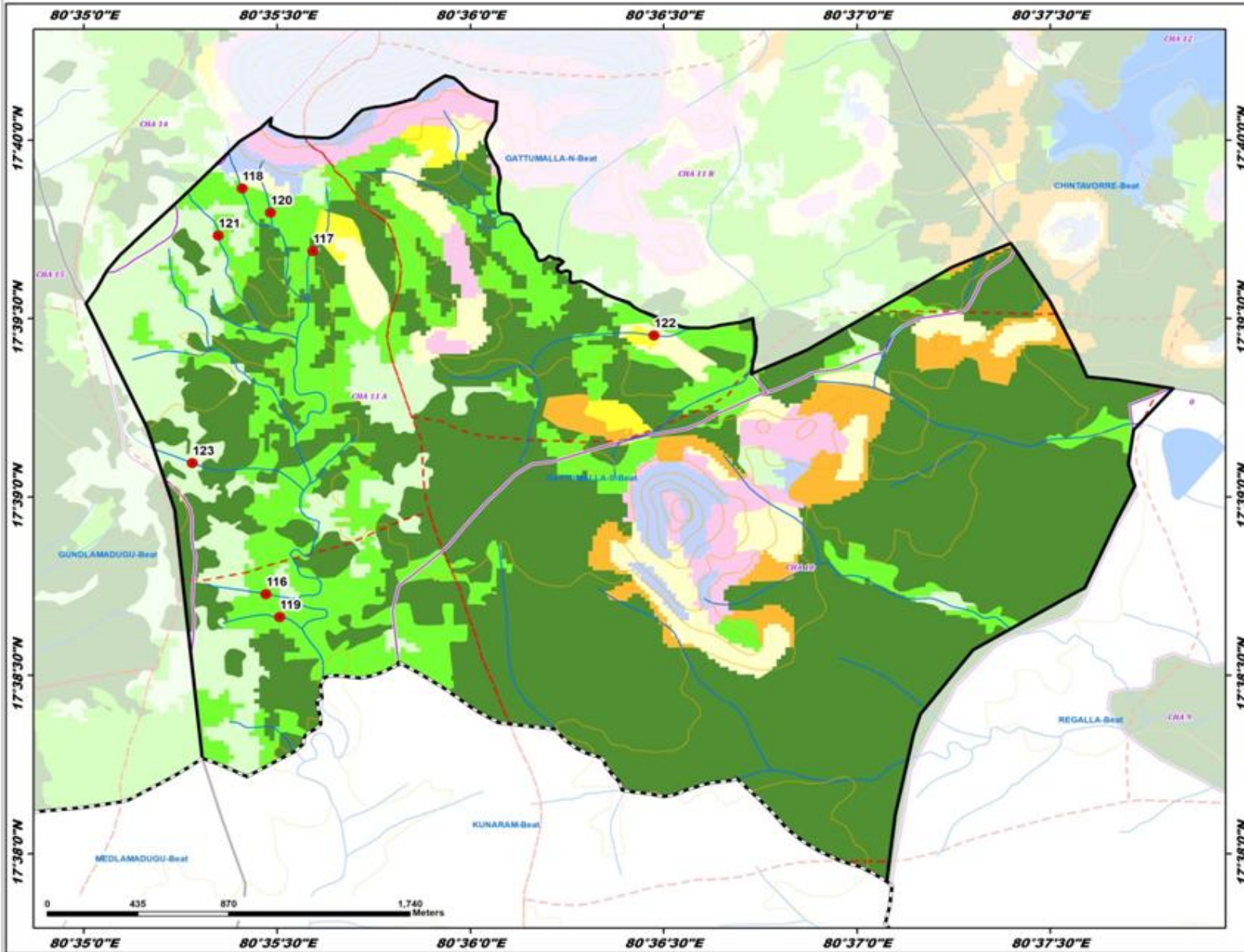
- Orange: CCTs/SGTs - Highly Suitable
- Yellow: CCTs/SGTs - Moderately Suitable
- Light Green: CCTs/SGTs - Least Suitable
- Dark Green: PTs- Highly Suitable
- Light Green: PTs- Moderately Suitable
- Light Green: PTs- Least Suitable
- Pink: MPTs and SGPs - Suitable
- White: Not Suitable
- Blue: Water Body



Map Showing Suitability index for Construction of SMC Works of Gattumalla South Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
116	17.645464	80.591188	15.46	I
117	17.661489	80.593208	21.09	II
118	17.664412	80.590156	23.48	II
119	17.644388	80.591785	9.85	II
120	17.663286	80.591576	11.74	II
121	17.662203	80.589132	21.79	IV
122	17.657549	80.607920	97.80	IV
123	17.651590	80.588014	15.09	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

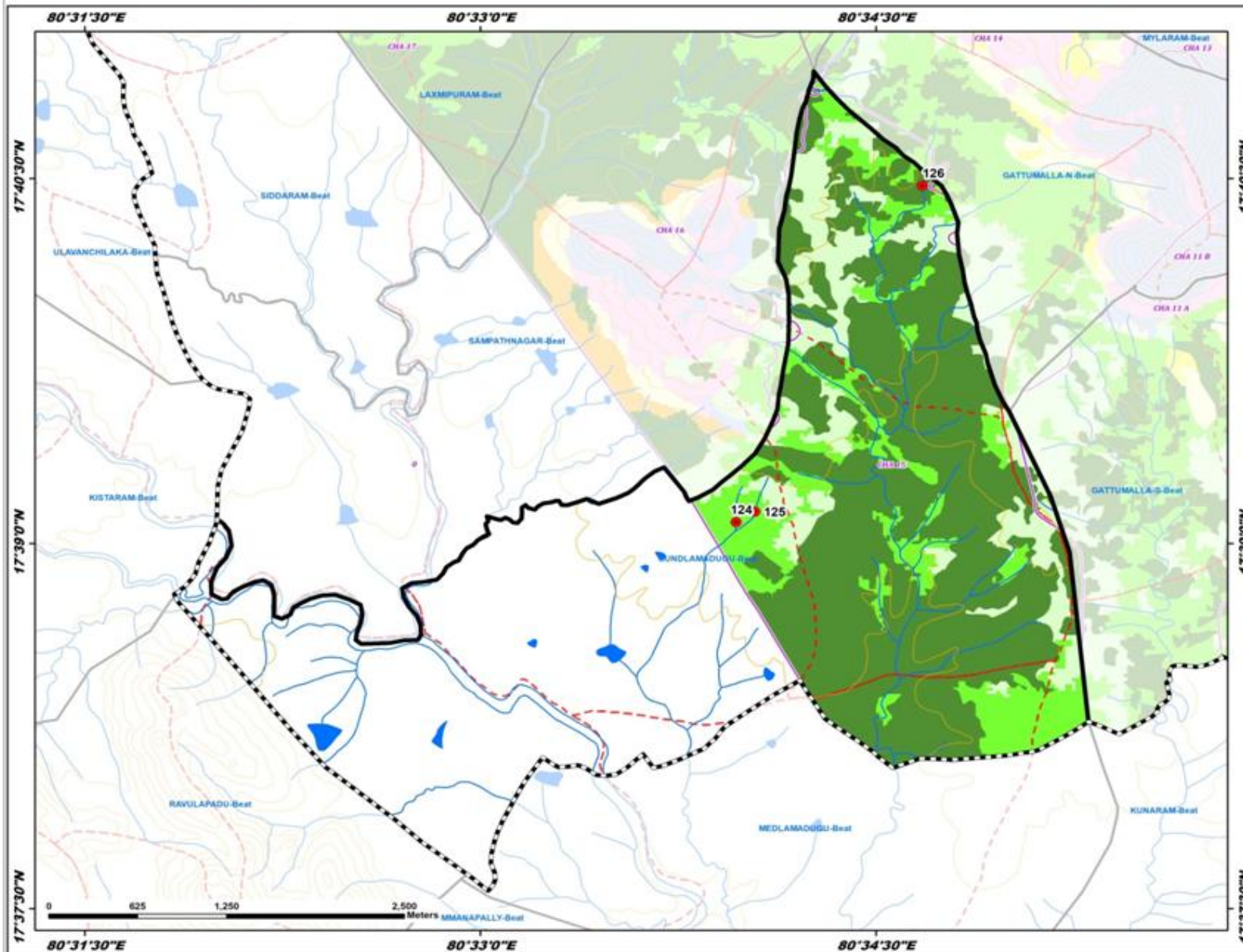
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs- Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Gundlamadugu Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
124	17.651466	80.566177	10.22	II
125	17.652190	80.567366	9.82	II
126	17.674521	80.577946	80.73	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬮ Watershed Boundary
- ⬮ Compartment Boundary
- ⬮ Beat Boundary
- ⬮ Division Boundary

Suitability Index

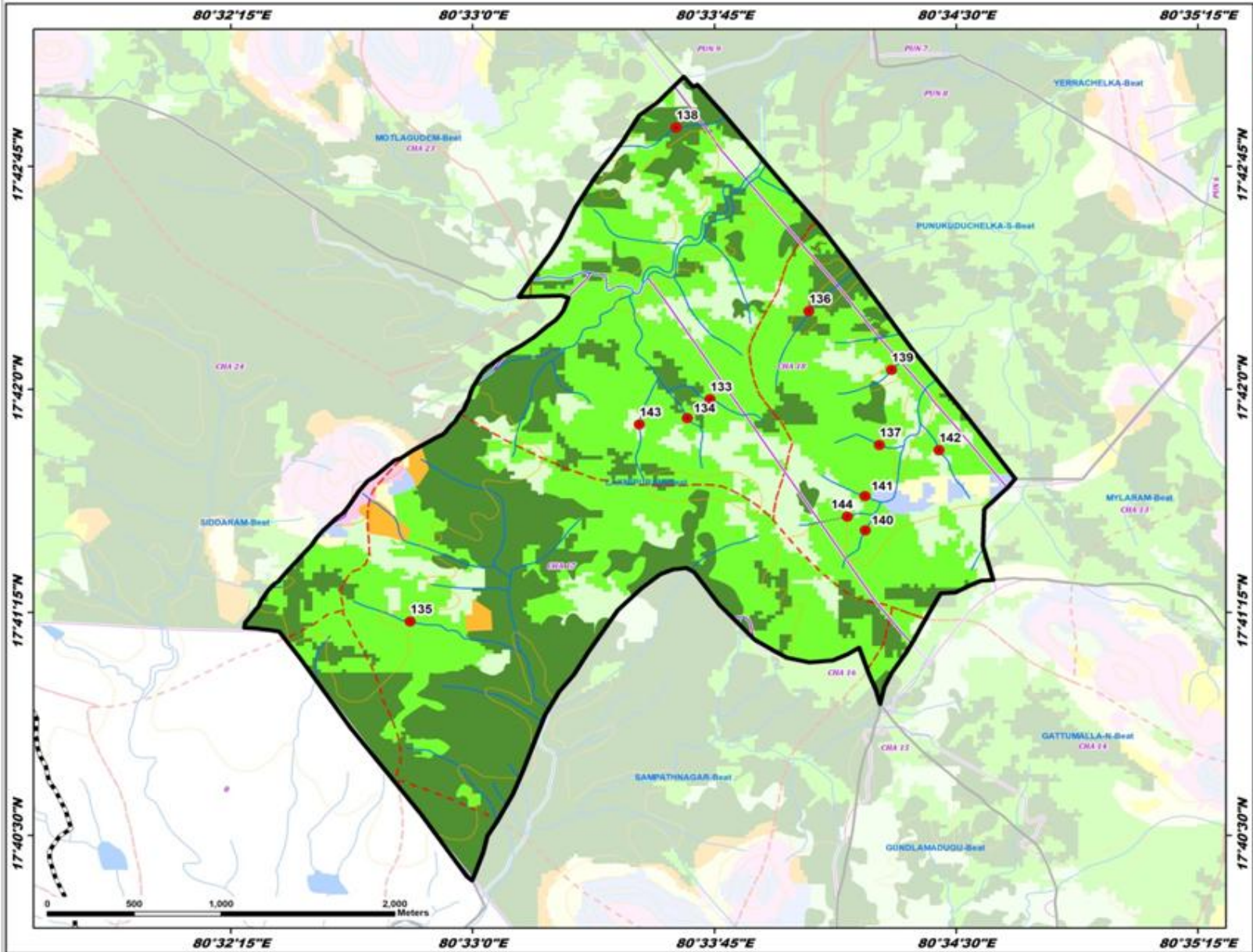
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Laxmipuram Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
133	17.699450	80.562287	22.45	II
134	17.698393	80.561307	12.49	II
135	17.686988	80.546771	17.82	II
136	17.704379	80.567393	20.20	II
137	17.696880	80.573046	14.79	II
138	17.714675	80.560533	35.77	II
139	17.701088	80.571677	9.35	II
140	17.692103	80.570315	15.66	II
141	17.694024	80.570299	7.82	II
142	17.690591	80.574124	12.77	II
143	17.698036	80.558623	17.91	IV
144	17.692869	80.568391	14.75	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

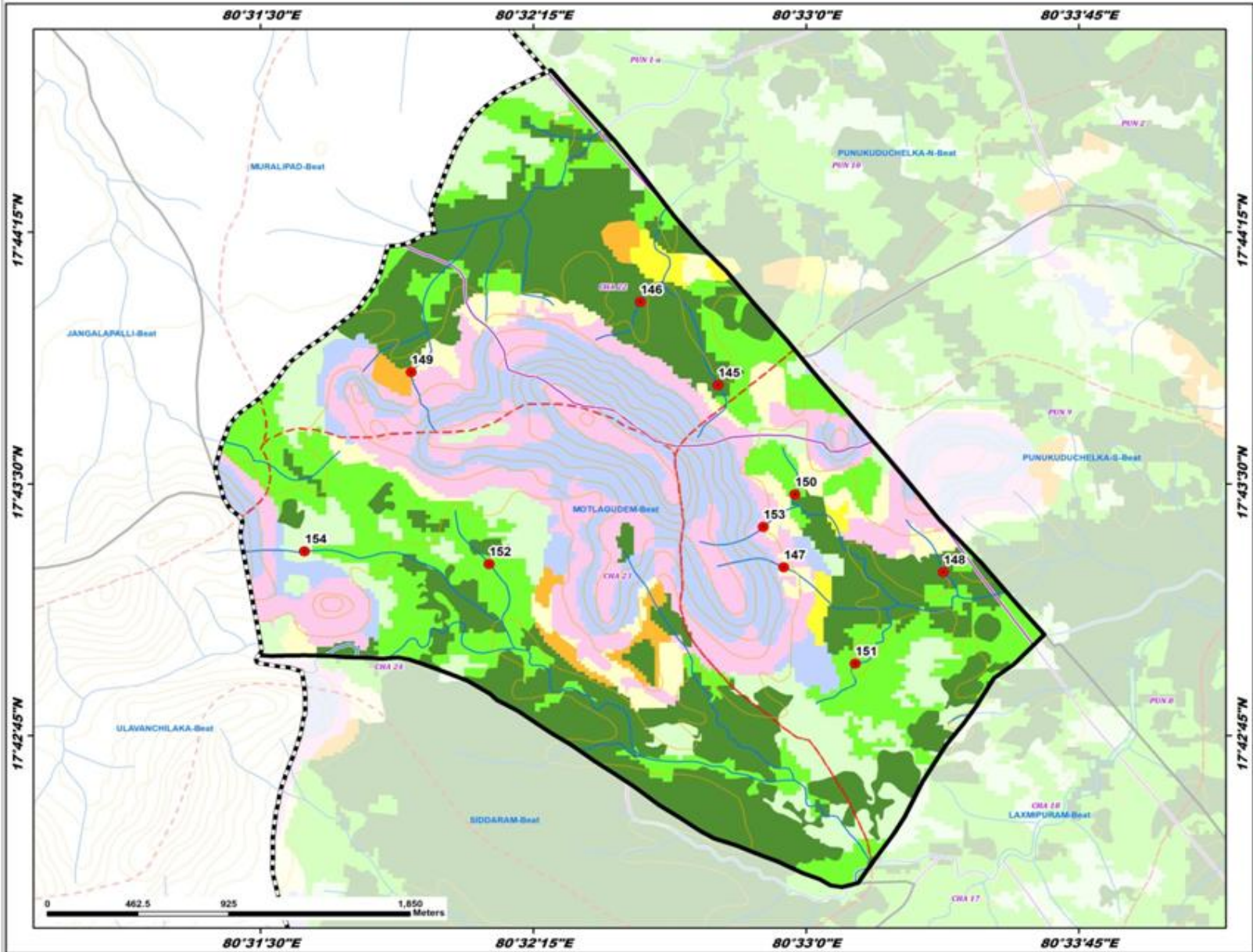
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Motlagudem Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
145	17.72918	80.545070	17.59	I
146	17.79406	80.542413	15.69	I
147	17.72070	80.548864	7.88	I
148	17.720623	80.556300	14.75	I
149	17.790593	80.531904	11.55	I
150	17.724489	80.549489	17.81	II
151	17.716078	80.552259	23.97	II
152	17.721027	80.535480	8.57	II
153	17.722874	80.548045	10.05	II
154	17.721655	80.527017	14.78	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬡ Watershed Boundary
- ⬡ Compartment Boundary
- ⬡ Beat Boundary
- ⬡ Division Boundary

Suitability Index

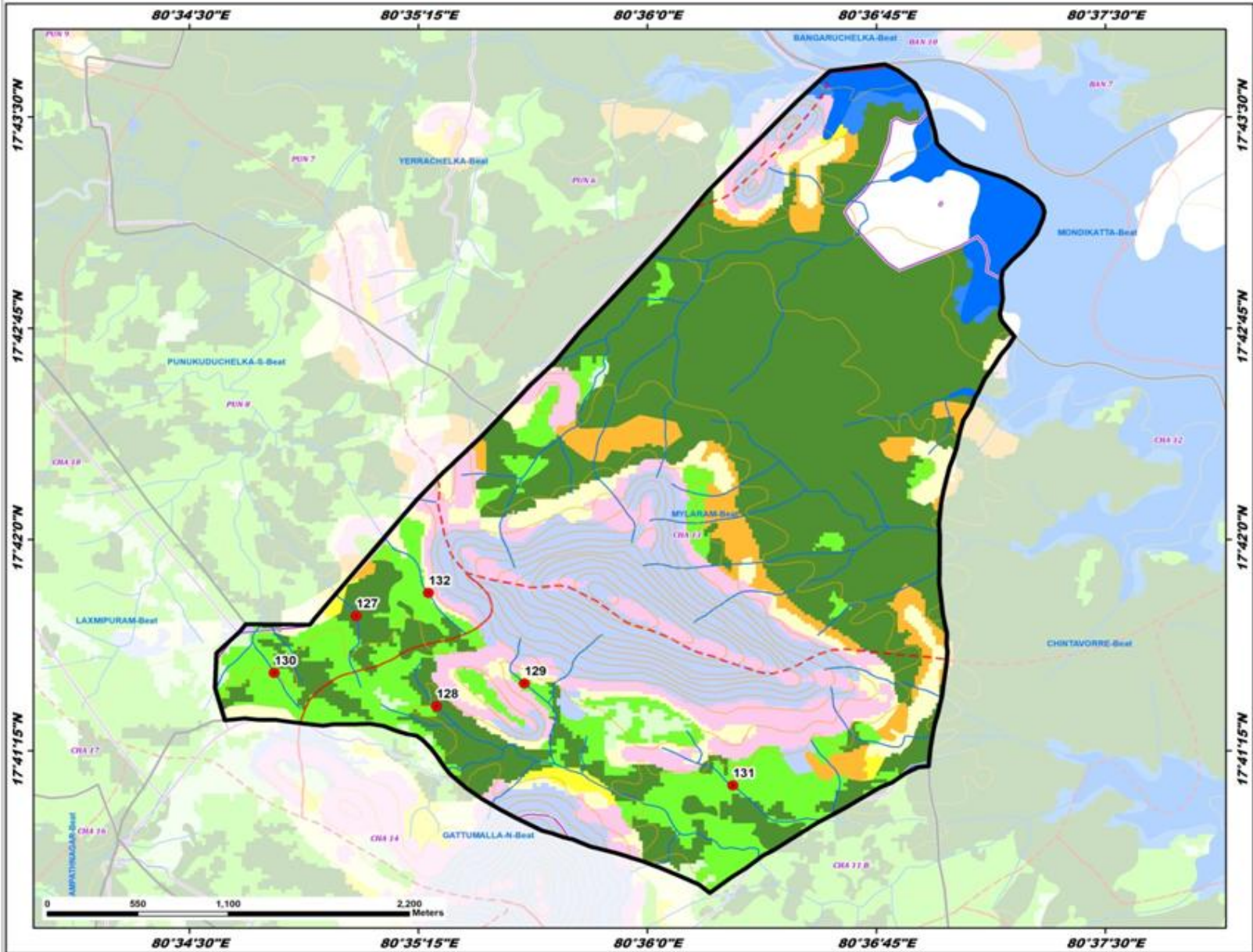
- CCTs/SGPs - Highly Suitable
- CCTs/SGPs - Moderately Suitable
- CCTs/SGPs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Mylaram Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
127	17.695481	80.584096	24.74	I
128	17.690154	80.588477	12.29	I
129	17.691494	80.593284	23.32	I
130	17.692121	80.579630	8.00	II
131	17.685463	80.604664	49.47	III
132	17.696841	80.588049	29.27	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

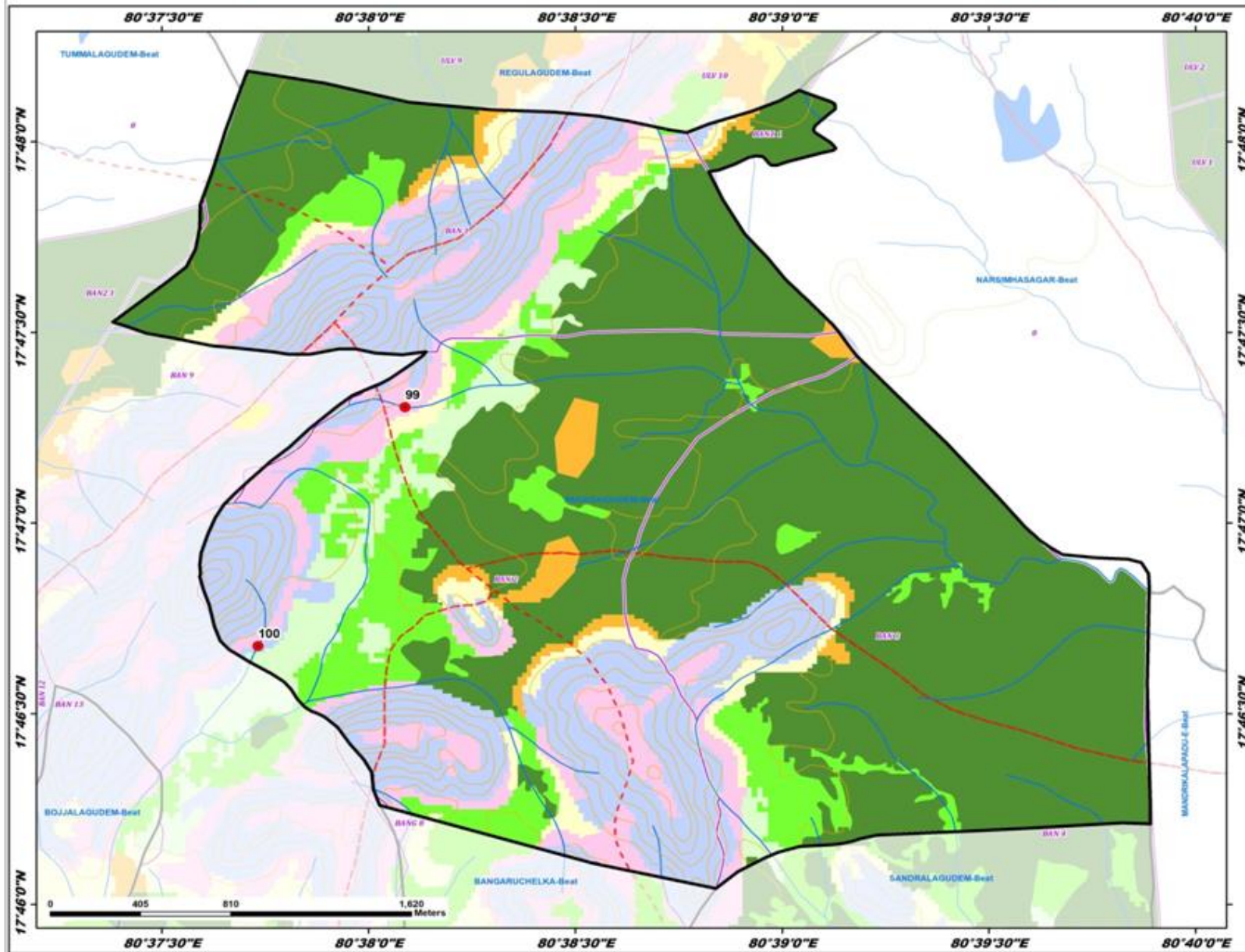
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Padagaigudem Beat



Division : Kinnerasani
Range : Chatakonda



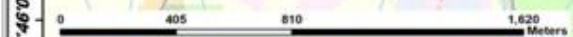
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
99	17.788406	80.634809	17.17	II
100	17.777967	80.628879	10.34	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

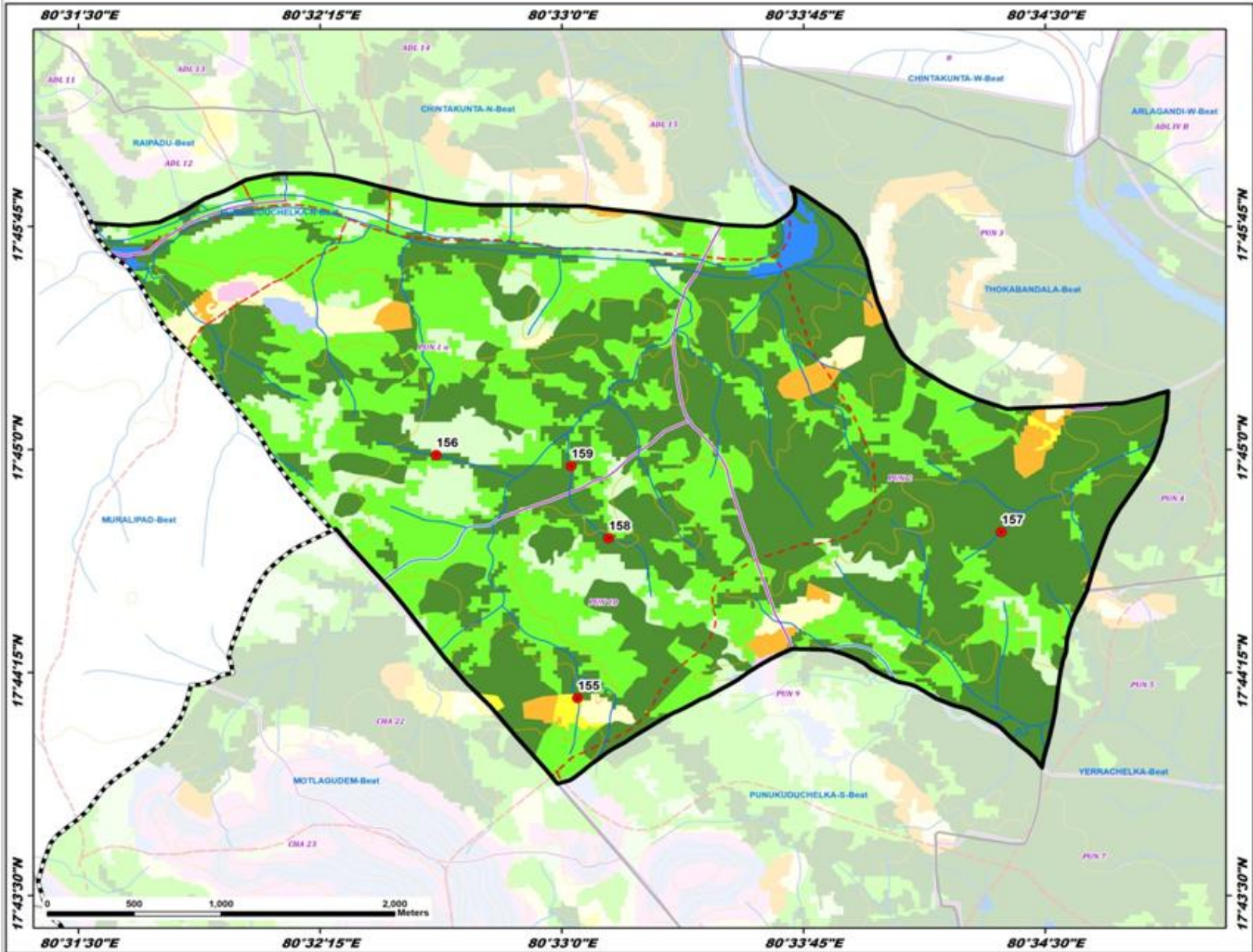
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Punukuduchelka North Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
155	17.736081	80.550831	7.90	I
156	17.740697	80.543513	18.26	I
157	17.745379	80.572748	12.01	I
158	17.745036	80.552431	25.96	II
159	17.749082	80.550498	49.95	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬮ Watershed Boundary
- ⬮ Compartment Boundary
- ⬮ Beat Boundary
- ⬮ Division Boundary

Suitability Index

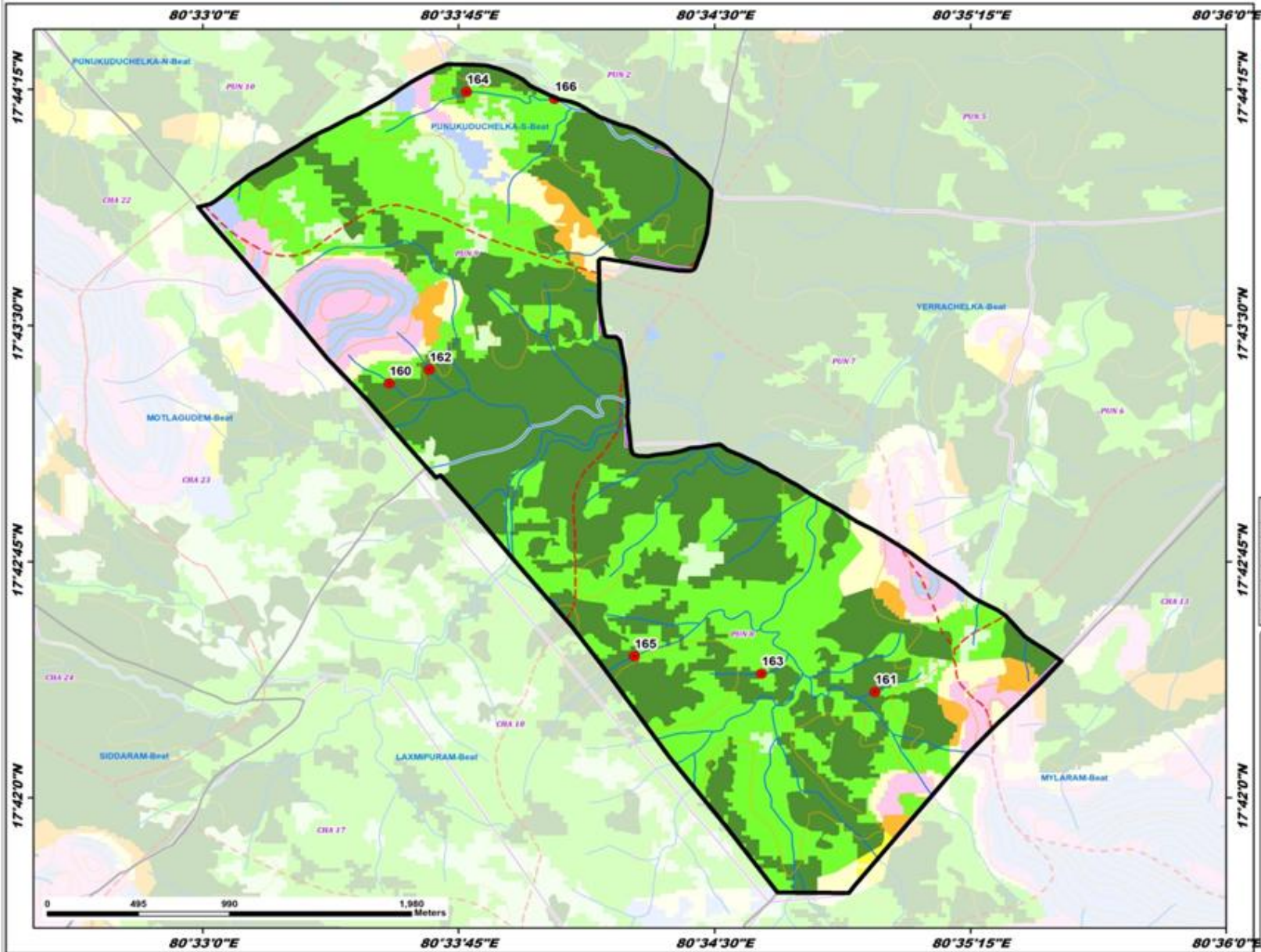
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Punukuduchelka South Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
160	17.721945	80.559120	11.15	I
161	17.705608	80.582850	6.28	I
162	17.722665	80.561071	9.26	I
163	17.706585	80.577308	11.48	II
164	17.737374	80.562901	54.71	IV
165	17.707494	80.571094	43.15	III
166	17.737000	80.567193	67.44	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- ⋯ Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary

Suitability Index

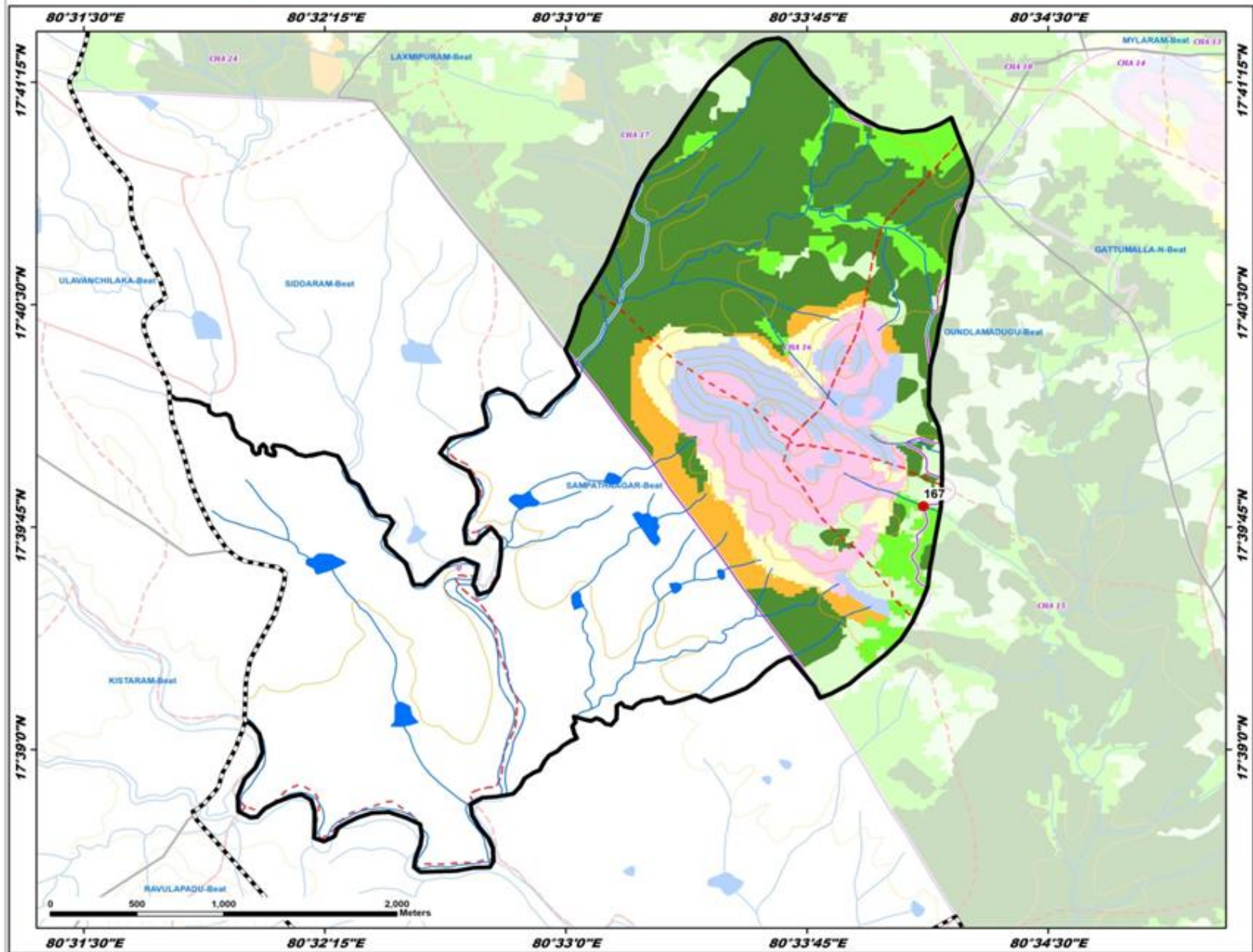
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Sampathnagar Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
167	17.663092	80.568543	23.77	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ▭ Watershed Boundary
- ▭ Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary

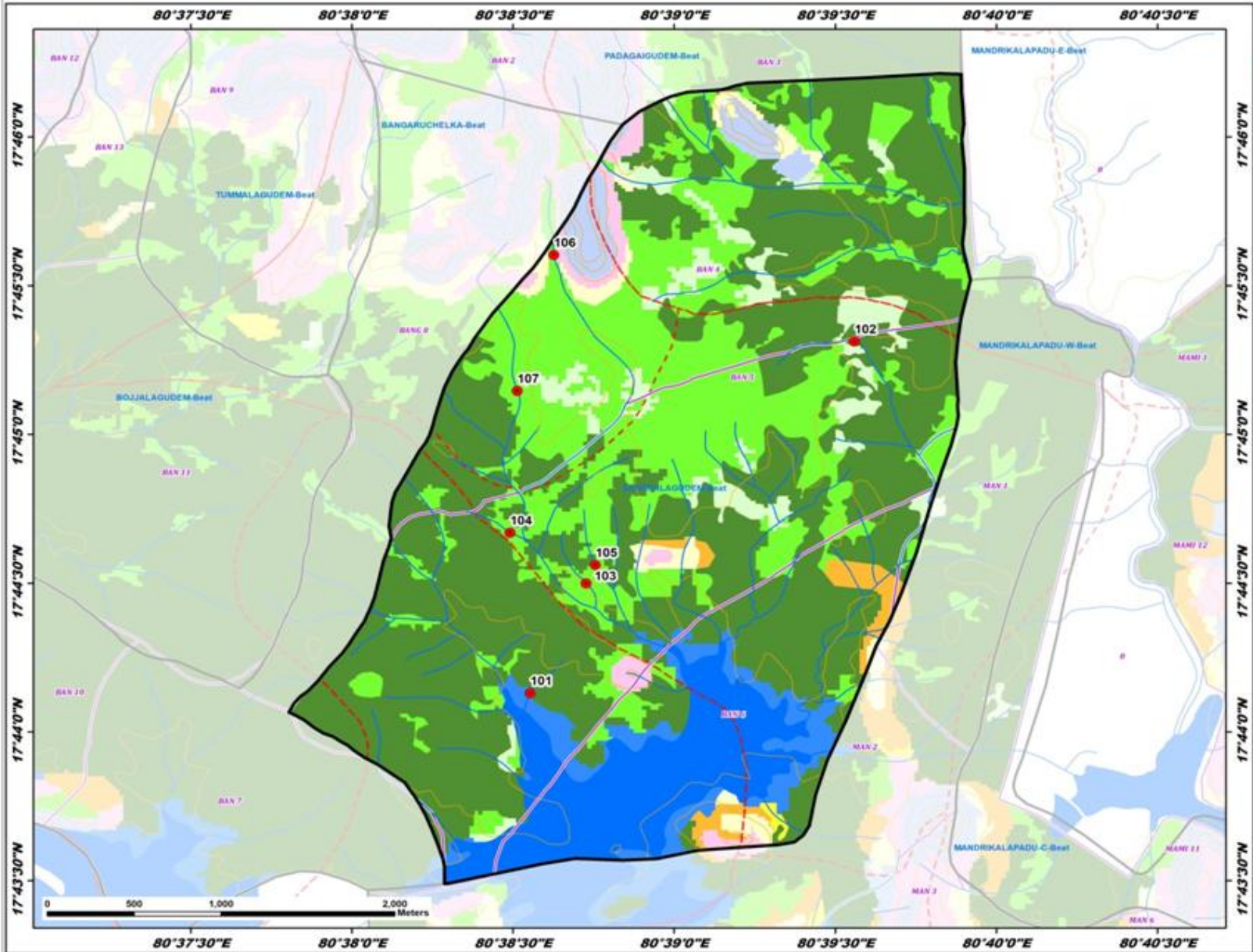
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Sandralagudem Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
101	17.795508	80.642560	7.88	I
102	17.755213	80.659339	18.20	I
103	17.741609	80.645454	5.21	II
104	17.744494	80.641520	7.28	II
105	17.742686	80.645936	6.12	II
106	17.760063	80.643781	22.23	II
107	17.752453	80.641893	41.76	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

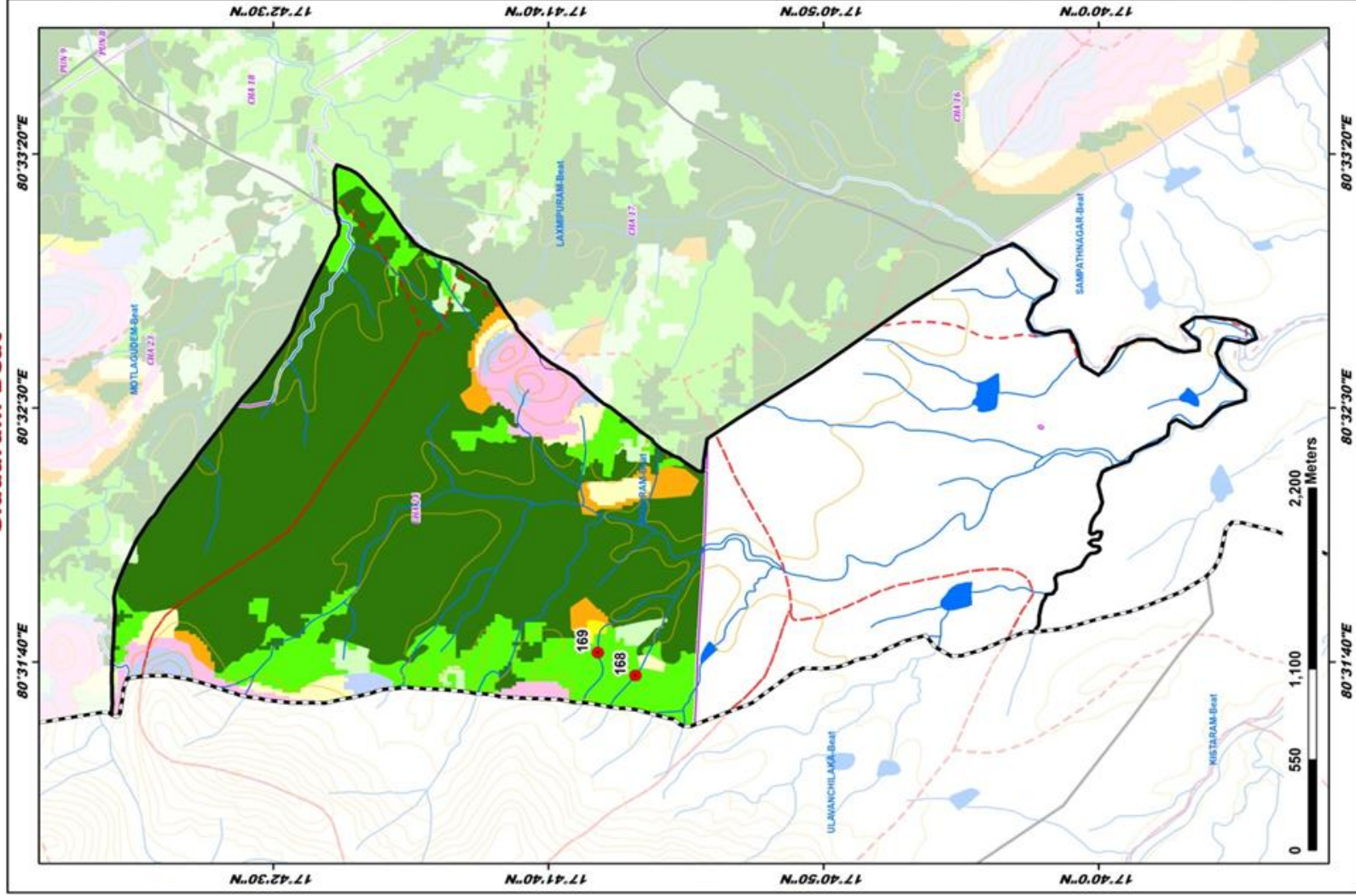
- CCTs/SGPs - Highly Suitable
- CCTs/SGPs - Moderately Suitable
- CCTs/SGPs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Siddaram Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
168	17.690044	80.527061	13.89	II
169	17.691547	80.528302	13.37	II

Legend

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

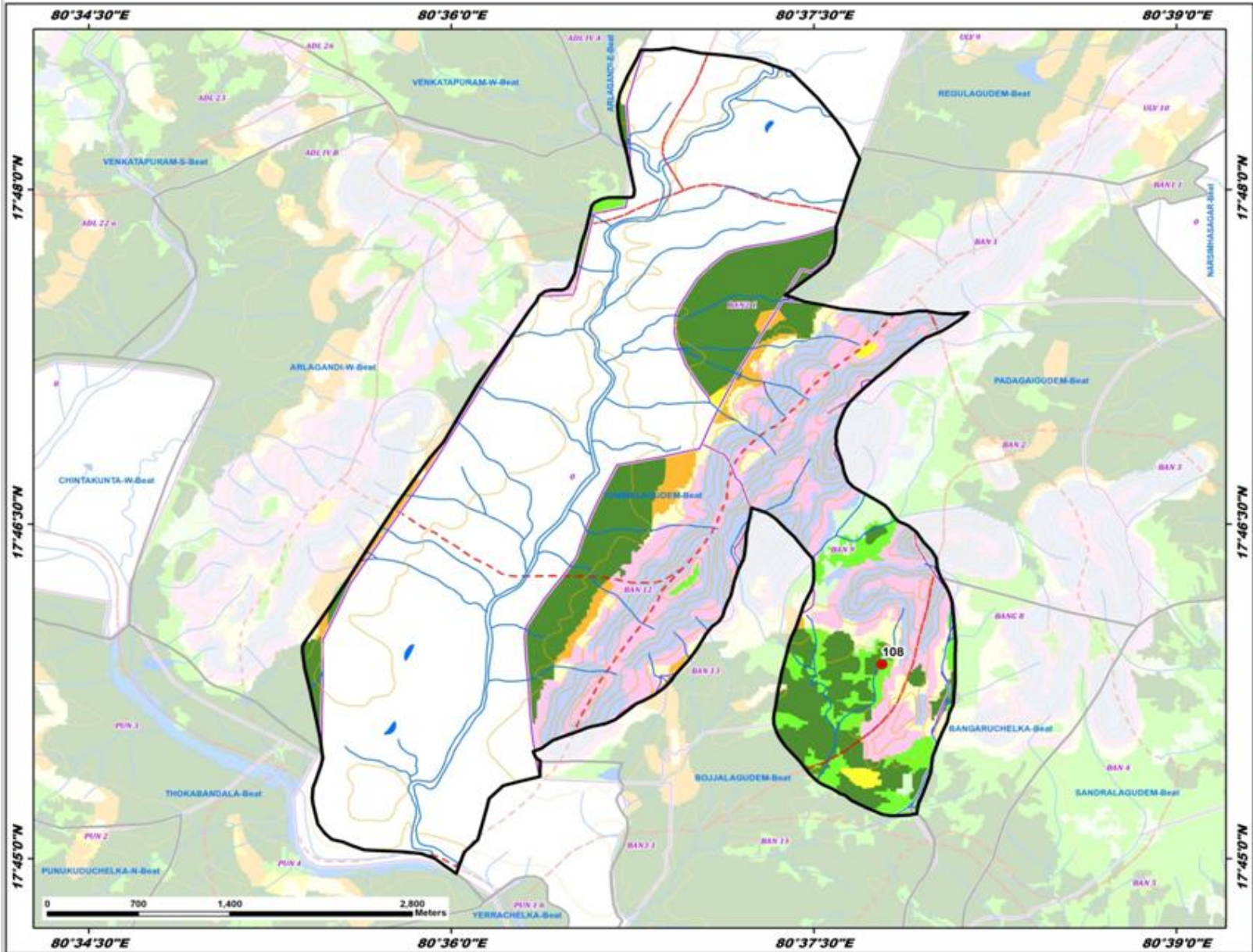
Suitability Index

- CCT/ISCTs - Highly Suitable
- CCT/ISCTs - Moderately Suitable
- CCT/ISCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MP/IS/SGPs - Suitable
- Not Suitable
- Water Bodies

Map Showing Suitability index for Construction of SMC Works of Tummulagudem Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
108	17.764538	80.629717	26.13	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

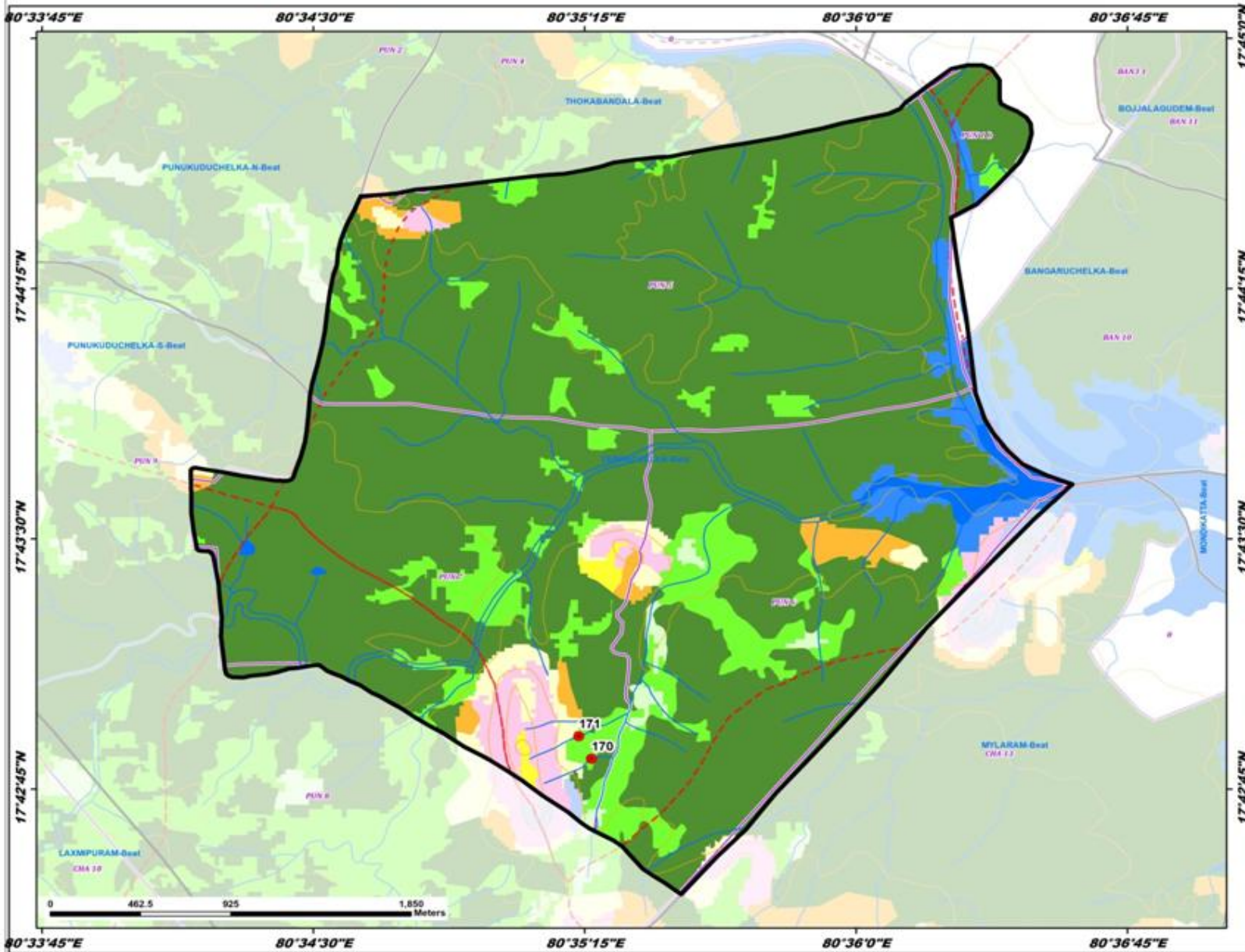
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Yerrachelka Beat



Division : Kinnerasani
Range : Chatakonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
170	17.714093	80.587812	4.51	II
171	17.715148	80.587237	5.00	II

LEGEND

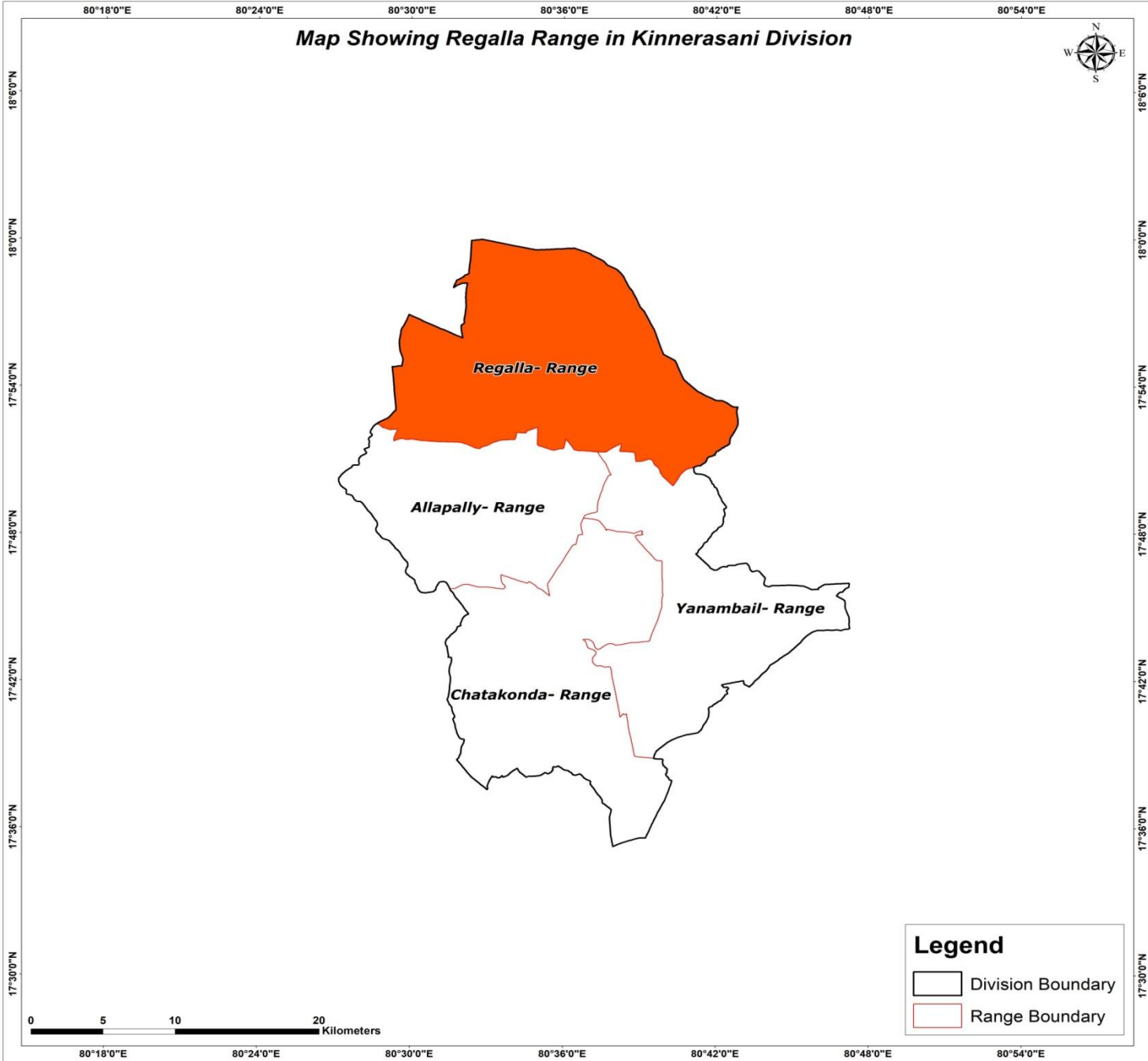
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

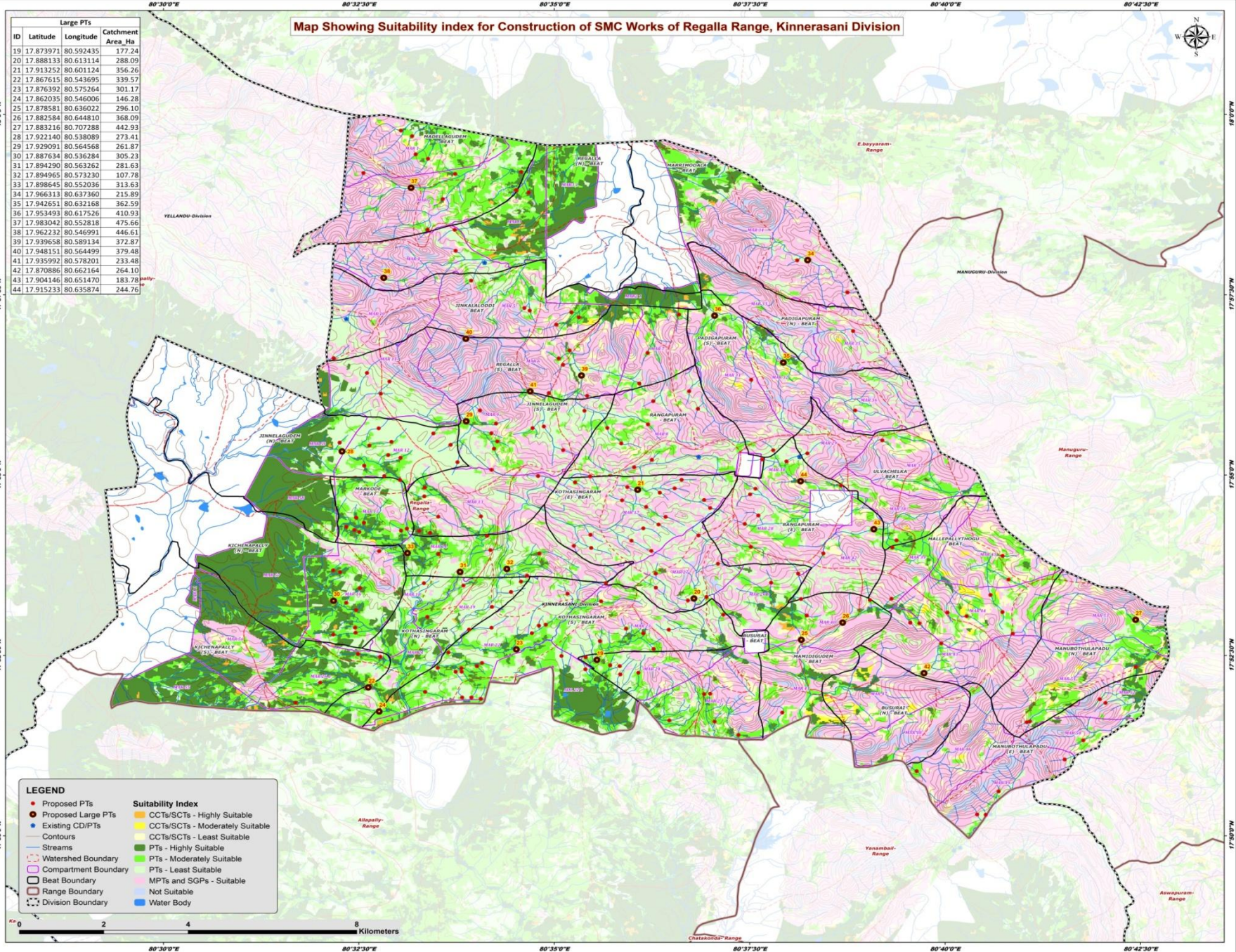


Map Showing Regalla Range in Kinnerasani Division



Map Showing Suitability index for Construction of SMC Works of Regalla Range, Kinnerasani Division

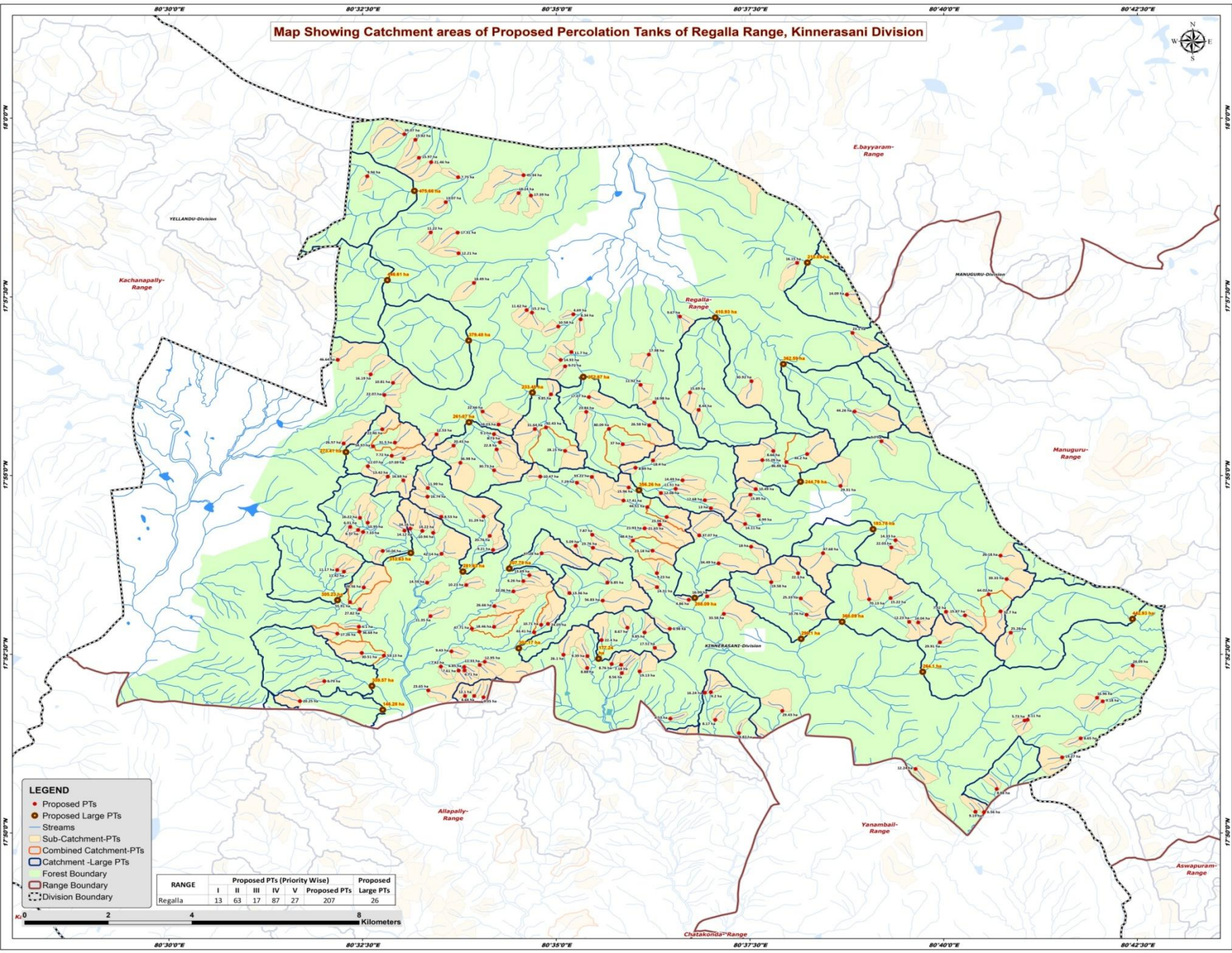
Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
19	17.873971	80.592435	177.24
20	17.888133	80.613114	288.09
21	17.913252	80.601124	356.26
22	17.867615	80.543695	339.57
23	17.876392	80.575264	301.17
24	17.862035	80.546006	146.28
25	17.878581	80.636022	296.10
26	17.882584	80.644810	368.09
27	17.883216	80.707288	442.93
28	17.922140	80.538089	273.41
29	17.929091	80.564568	261.87
30	17.887634	80.536284	305.23
31	17.894290	80.563262	281.63
32	17.894965	80.573230	107.78
33	17.898645	80.552036	313.63
34	17.966313	80.637360	215.89
35	17.942651	80.632168	362.59
36	17.953493	80.617526	410.93
37	17.983042	80.552818	475.66
38	17.962232	80.546991	446.61
39	17.939658	80.589134	372.87
40	17.948151	80.564499	379.48
41	17.935992	80.578201	233.48
42	17.870886	80.662164	264.10
43	17.904146	80.651470	183.78
44	17.915233	80.635874	244.76



- LEGEND**
- Proposed PTs
 - Proposed Large PTs
 - Existing CD/PTs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Range Boundary
 - Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
 - CCTs/SCTs - Moderately Suitable
 - CCTs/SCTs - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately Suitable
 - PTs - Least Suitable
 - MPTs and SGPs - Suitable
 - Not Suitable
 - Water Body

0 2 4 8 Kilometers

Map Showing Catchment areas of Proposed Percolation Tanks of Regalla Range, Kinnerasani Division



- LEGEND**
- Proposed PTs
 - Proposed Large PTs
 - Streams
 - Sub-Catchment-PTs
 - Combined Catchment-PTs
 - Catchment -Large PTs
 - Forest Boundary
 - Range Boundary
 - Division Boundary

RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Regalla	13	63	17	87	27	207



Beat wise Abstract of Proposed PT's – Regalla Range

S. No.	Beat	Proposed PT's
1	BUSURAI	10
2	JINKALALODDI	7
3	JINNELAGUDEM-N	12
4	JINNELAGUDEM-S	17
5	KICHENAPALLY-N	9
6	KICHENAPALLY-S	4
7	KOTHASINGARAM-E	25
8	KOTHASINGARAM-N	7
9	KOTHASINGARAM-S	26
10	MADELLAGUDEM	10
11	MALLEPALLYTHOGU	12
12	MAMIDIGUDEM	4
13	MANUBOTHULAPADU-E	8
14	MANUBOTHULAPADU-N	3
15	MARKODE	12
16	MARRIMODALA	2
17	PADIGAPURAM-N	1
18	PADIGAPURAM-S	3
19	RANGAPURAM	10
20	RANGAPURAM-E	8
21	REGALLA-N	3
22	REGALLA-S	11
23	ULVACHELKA	3
	Total	207

List of Proposed PTs – Regalla Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
172	17.872726	80.595248	8.76	II	BUSURAI	212	17.886225	80.570027	26.66	V	KOTHASINGARAM-N	252	17.872352	80.707338	24.09	I	MANUBOTHULAPADU-N
173	17.856609	80.622614	4.82	II	BUSURAI	213	17.880967	80.565180	47.71	V	KOTHASINGARAM-N	253	17.859562	80.684083	5.73	IV	MANUBOTHULAPADU-N
174	17.866140	80.616592	9.20	II	BUSURAI	214	17.871214	80.563605	6.71	II	KOTHASINGARAM-S	254	17.859721	80.684716	8.11	IV	MANUBOTHULAPADU-N
175	17.859718	80.617528	8.17	II	BUSURAI	215	17.872515	80.566882	11.33	II	KOTHASINGARAM-S	255	17.915541	80.550440	16.69	I	JINNELAGUDEM-N
176	17.872534	80.597277	7.18	II	BUSURAI	216	17.880074	80.602334	9.85	II	KOTHASINGARAM-S	256	17.918833	80.542814	11.07	II	JINNELAGUDEM-N
177	17.866047	80.615310	16.24	II	BUSURAI	217	17.865266	80.565682	8.64	II	KOTHASINGARAM-S	257	17.921268	80.547933	7.72	II	JINNELAGUDEM-N
178	17.874546	80.590024	9.39	II	BUSURAI	218	17.876488	80.604524	17.51	II	KOTHASINGARAM-S	258	17.916437	80.547103	13.42	II	JINNELAGUDEM-N
179	17.870993	80.601272	19.13	IV	BUSURAI	219	17.866568	80.555821	23.65	II	KOTHASINGARAM-S	259	17.924336	80.548625	31.50	III	JINNELAGUDEM-N
180	17.870600	80.597443	8.56	IV	BUSURAI	220	17.882077	80.581538	24.05	II	KOTHASINGARAM-S	260	17.920649	80.550557	17.39	IV	JINNELAGUDEM-N
181	17.859974	80.607868	4.53	IV	BUSURAI	221	17.872058	80.563541	6.85	II	KOTHASINGARAM-S	261	17.927477	80.545918	22.46	IV	JINNELAGUDEM-N
182	17.888501	80.615786	16.99	II	KOTHASINGARAM-E	222	17.875668	80.560789	9.43	II	KOTHASINGARAM-S	262	17.926271	80.557556	12.53	IV	JINNELAGUDEM-N
183	17.893904	80.604971	9.23	II	KOTHASINGARAM-E	223	17.872125	80.558514	7.42	II	KOTHASINGARAM-S	263	17.923648	80.561253	20.43	IV	JINNELAGUDEM-N
184	17.891810	80.629572	19.58	II	KOTHASINGARAM-E	224	17.884410	80.619382	33.58	III	KOTHASINGARAM-S	264	17.919643	80.562713	36.98	V	JINNELAGUDEM-N
185	17.914997	80.587789	7.29	IV	KOTHASINGARAM-E	225	17.864948	80.567680	9.35	IV	KOTHASINGARAM-S	265	17.924142	80.537601	26.57	V	JINNELAGUDEM-N
186	17.902878	80.591075	7.87	IV	KOTHASINGARAM-E	226	17.891713	80.594338	6.85	IV	KOTHASINGARAM-S	266	17.923492	80.543931	54.97	IV	JINNELAGUDEM-N
187	17.899148	80.604052	23.18	IV	KOTHASINGARAM-E	227	17.871798	80.589990	8.88	IV	KOTHASINGARAM-S	267	17.903305	80.556884	10.94	I	JINNELAGUDEM-S
188	17.910829	80.597798	17.41	IV	KOTHASINGARAM-E	228	17.881861	80.580077	10.71	IV	KOTHASINGARAM-S	268	17.913750	80.555698	11.99	I	JINNELAGUDEM-S
189	17.899823	80.591232	23.76	IV	KOTHASINGARAM-E	229	17.880930	80.607759	8.98	IV	KOTHASINGARAM-S	269	17.903769	80.554526	14.22	I	JINNELAGUDEM-S
190	17.913572	80.609021	11.51	IV	KOTHASINGARAM-E	230	17.878283	80.593074	22.40	IV	KOTHASINGARAM-S	270	17.922757	80.570515	22.80	II	JINNELAGUDEM-S
191	17.910910	80.615306	12.68	IV	KOTHASINGARAM-E	231	17.881192	80.598649	8.67	IV	KOTHASINGARAM-S	271	17.911756	80.555630	16.74	II	JINNELAGUDEM-S
192	17.906995	80.607078	23.06	IV	KOTHASINGARAM-E	232	17.881394	80.569964	18.46	IV	KOTHASINGARAM-S	272	17.924421	80.571193	8.73	II	JINNELAGUDEM-S
193	17.912597	80.605845	12.08	IV	KOTHASINGARAM-E	233	17.889256	80.586165	13.36	IV	KOTHASINGARAM-S	273	17.916430	80.579888	10.47	IV	JINNELAGUDEM-S
194	17.893891	80.635334	22.10	IV	KOTHASINGARAM-E	234	17.871204	80.562327	7.61	IV	KOTHASINGARAM-S	274	17.926324	80.569929	9.10	IV	JINNELAGUDEM-S
195	17.904359	80.602331	21.93	IV	KOTHASINGARAM-E	235	17.873235	80.567928	12.95	IV	KOTHASINGARAM-S	275	17.928545	80.570923	16.23	IV	JINNELAGUDEM-S
196	17.905232	80.605567	21.65	IV	KOTHASINGARAM-E	236	17.887488	80.593322	56.83	IV	KOTHASINGARAM-S	276	17.907039	80.558608	8.53	IV	JINNELAGUDEM-S
197	17.900291	80.587500	5.09	IV	KOTHASINGARAM-E	237	17.865287	80.563693	12.10	IV	KOTHASINGARAM-S	277	17.931591	80.567493	22.66	IV	JINNELAGUDEM-S
198	17.890633	80.604998	14.31	IV	KOTHASINGARAM-E	238	17.874891	80.584899	26.10	V	KOTHASINGARAM-S	278	17.931512	80.589780	23.84	IV	JINNELAGUDEM-S
199	17.913872	80.598909	15.96	IV	KOTHASINGARAM-E	239	17.880134	80.578564	43.41	V	KOTHASINGARAM-S	279	17.917885	80.569960	30.73	V	JINNELAGUDEM-S
200	17.887686	80.611845	4.86	IV	KOTHASINGARAM-E	240	17.884207	80.637178	10.76	II	MAMIDIGUDEM	280	17.907119	80.567716	31.29	V	JINNELAGUDEM-S
201	17.909063	80.616591	13.00	IV	KOTHASINGARAM-E	241	17.861779	80.631953	29.43	III	MAMIDIGUDEM	281	17.927518	80.578730	31.64	V	JINNELAGUDEM-S
202	17.915573	80.610487	14.49	IV	KOTHASINGARAM-E	242	17.887796	80.650642	70.13	IV	MAMIDIGUDEM	282	17.922429	80.585230	28.15	V	JINNELAGUDEM-S
203	17.902722	80.614099	37.07	V	KOTHASINGARAM-E	243	17.888027	80.635939	25.33	V	MAMIDIGUDEM	283	17.927881	80.581117	92.43	V	JINNELAGUDEM-S
204	17.896184	80.618247	34.49	V	KOTHASINGARAM-E	244	17.848240	80.660599	12.24	II	MANUBOTHULAPADU-E	284	17.894265	80.537681	11.42	I	KICHENAPALLY-N
205	17.909307	80.602923	44.51	V	KOTHASINGARAM-E	245	17.855383	80.696141	8.65	II	MANUBOTHULAPADU-E	285	17.899076	80.546012	10.04	II	KICHENAPALLY-N
206	17.901502	80.599814	48.40	V	KOTHASINGARAM-E	246	17.843571	80.678072	8.88	II	MANUBOTHULAPADU-E	286	17.890581	80.541926	28.56	II	KICHENAPALLY-N
207	17.883879	80.556283	11.35	II	KOTHASINGARAM-N	247	17.850954	80.692173	19.27	IV	MANUBOTHULAPADU-E	287	17.885478	80.541063	27.82	II	KICHENAPALLY-N
208	17.892060	80.576258	6.26	II	KOTHASINGARAM-N	248	17.864858	80.699663	16.96	IV	MANUBOTHULAPADU-E	288	17.879792	80.536242	17.26	II	KICHENAPALLY-N
209	17.891685	80.555572	14.59	IV	KOTHASINGARAM-N	249	17.838263	80.673514	9.19	IV	MANUBOTHULAPADU-E	289	17.881417	80.540886	6.10	II	KICHENAPALLY-N
210	17.891128	80.563979	10.23	IV	KOTHASINGARAM-N	250	17.838187	80.675330	6.56	IV	MANUBOTHULAPADU-E	290	17.894640	80.536204	11.17	II	KICHENAPALLY-N
211	17.889646	80.574132	22.06	IV	KOTHASINGARAM-N	251	17.864014	80.700885	9.18	IV	MANUBOTHULAPADU-E	291	17.880255	80.540997	36.68	III	KICHENAPALLY-N

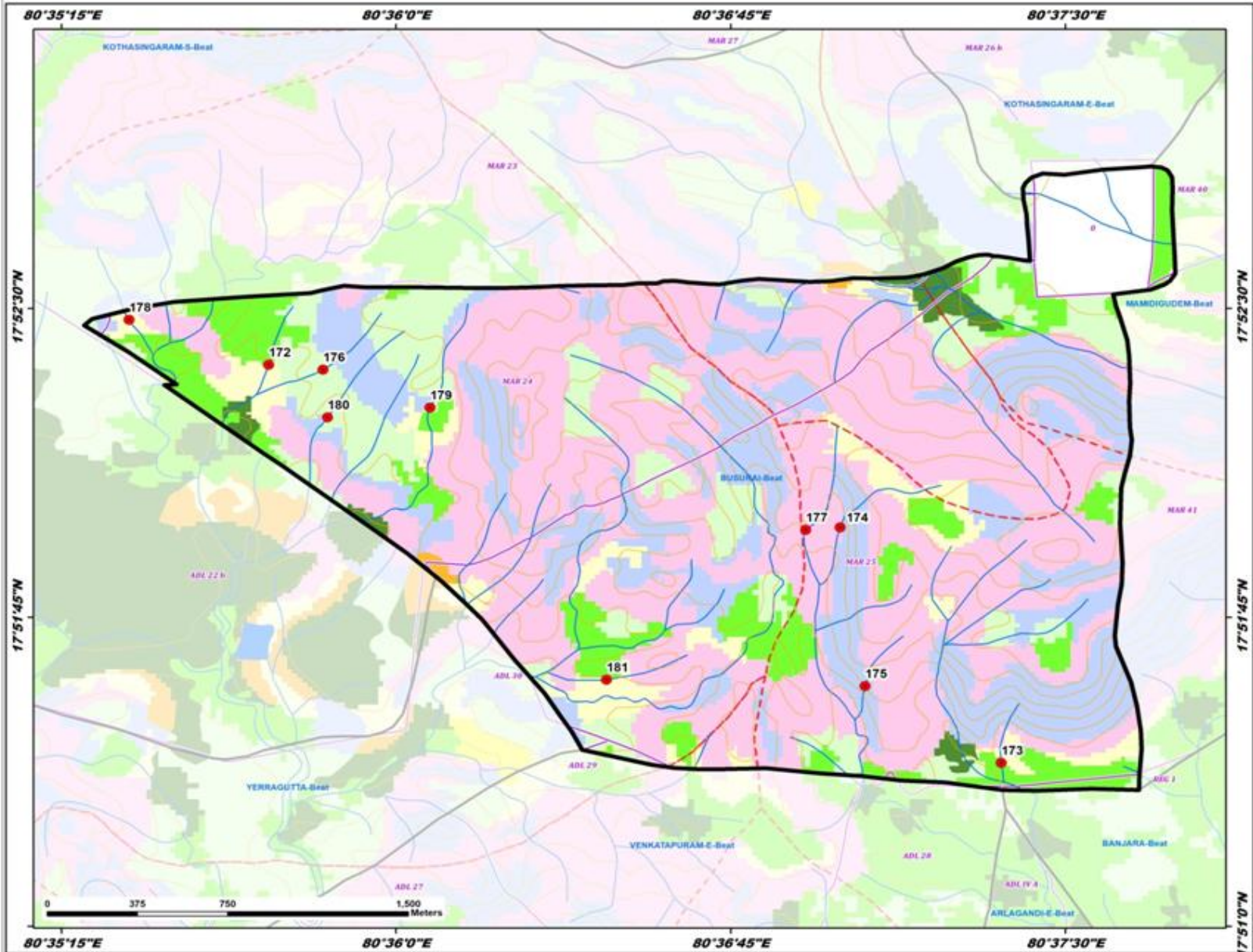
List of Proposed PTs – Regalla Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
292	17.887163	80.538987	55.91	IV	KICHENAPALLY-N	332	17.982526	80.575225	18.24	I	MADELLAGUDEM	372	17.907323	80.626858	6.99	IV	RANGAPURAM-E
293	17.864062	80.528184	20.25	I	KICHENAPALLY-S	333	17.994972	80.553030	15.82	II	MADELLAGUDEM	373	17.905363	80.623949	14.11	IV	RANGAPURAM-E
294	17.875288	80.541494	30.51	III	KICHENAPALLY-S	334	17.986246	80.562219	7.75	II	MADELLAGUDEM	374	17.898573	80.640709	47.68	V	RANGAPURAM-E
295	17.868713	80.533427	8.79	IV	KICHENAPALLY-S	335	17.973381	80.556332	11.22	II	MADELLAGUDEM	375	17.919829	80.632849	86.88	V	RANGAPURAM-E
296	17.874677	80.546266	53.13	III	KICHENAPALLY-S	336	17.990770	80.553810	15.97	II	MADELLAGUDEM	376	17.901578	80.656292	14.33	II	ULVACHELKA
297	17.902584	80.569031	20.76	I	MARKODE	337	17.980433	80.559568	13.07	II	MADELLAGUDEM	377	17.924658	80.653295	9.70	IV	ULVACHELKA
298	17.903981	80.540718	9.77	I	MARKODE	338	17.996251	80.550652	39.07	III	MADELLAGUDEM	378	17.921681	80.637291	44.20	V	ULVACHELKA
299	17.905663	80.542758	10.95	I	MARKODE	339	17.986719	80.576307	45.34	III	MADELLAGUDEM						
300	17.906793	80.541107	16.22	I	MARKODE	340	17.986460	80.542664	9.94	IV	MADELLAGUDEM						
301	17.903838	80.550675	14.12	II	MARKODE	341	17.989749	80.556431	21.46	IV	MADELLAGUDEM						
302	17.904274	80.551919	24.16	II	MARKODE	342	17.981958	80.577872	17.39	II	REGALLA-N						
303	17.903519	80.541778	7.33	II	MARKODE	343	17.973328	80.562126	17.31	II	REGALLA-N						
304	17.904704	80.539011	6.01	II	MARKODE	344	17.968487	80.562319	12.21	IV	REGALLA-N						
305	17.898527	80.580185	47.28	III	MARKODE	345	17.937803	80.601468	11.92	II	REGALLA-S						
306	17.898420	80.558661	42.14	III	MARKODE	346	17.953755	80.609938	9.67	II	REGALLA-S						
307	17.893404	80.577554	13.69	IV	MARKODE	347	17.943621	80.584300	14.93	II	REGALLA-S						
308	17.899328	80.569733	9.21	IV	MARKODE	348	17.944897	80.603242	17.98	II	REGALLA-S						
309	17.966258	80.635144	16.15	IV	MARRIMODALA	349	17.945467	80.586594	11.70	II	REGALLA-S						
310	17.958865	80.645873	14.09	IV	MARRIMODALA	350	17.935596	80.582190	9.85	II	REGALLA-S						
311	17.949938	80.647061	23.10	IV	PADIGAPURAM-N	351	17.938285	80.548207	10.81	IV	REGALLA-S						
312	17.922400	80.630017	8.66	IV	PADIGAPURAM-S	352	17.935447	80.546349	22.07	IV	REGALLA-S						
313	17.938679	80.625316	30.92	V	PADIGAPURAM-S	353	17.934968	80.590347	17.07	IV	REGALLA-S						
314	17.931602	80.647485	44.26	V	PADIGAPURAM-S	354	17.940265	80.543410	16.19	IV	REGALLA-S						
315	17.928381	80.603318	26.58	III	RANGAPURAM	355	17.942141	80.585226	9.71	IV	REGALLA-S						
316	17.923978	80.597643	37.00	III	RANGAPURAM	356	17.884067	80.671256	15.87	II	MALLEPALLYTHOGU						
317	17.931977	80.613952	8.44	IV	RANGAPURAM	357	17.899906	80.655418	22.03	II	MALLEPALLYTHOGU						
318	17.920181	80.604149	18.40	IV	RANGAPURAM	358	17.882562	80.659239	12.23	II	MALLEPALLYTHOGU						
319	17.936033	80.612114	15.69	IV	RANGAPURAM	359	17.882426	80.661215	14.04	II	MALLEPALLYTHOGU						
320	17.918485	80.600375	8.89	IV	RANGAPURAM	360	17.897996	80.678902	26.18	III	MALLEPALLYTHOGU						
321	17.933737	80.604432	16.98	IV	RANGAPURAM	361	17.892531	80.680205	39.33	III	MALLEPALLYTHOGU						
322	17.916352	80.590986	33.22	V	RANGAPURAM	362	17.884990	80.678903	32.70	III	MALLEPALLYTHOGU						
323	17.920256	80.627673	55.09	V	RANGAPURAM	363	17.877781	80.665858	29.91	III	MALLEPALLYTHOGU						
324	17.927535	80.594661	80.09	V	RANGAPURAM	364	17.888085	80.655249	15.22	IV	MALLEPALLYTHOGU						
325	17.953093	80.588565	8.34	I	JINKALALODDI	365	17.884907	80.667158	7.32	IV	MALLEPALLYTHOGU						
326	17.951427	80.583779	10.58	II	JINKALALODDI	366	17.880031	80.681104	25.28	V	MALLEPALLYTHOGU						
327	17.954271	80.587005	4.69	II	JINKALALODDI	367	17.888953	80.676352	64.02	V	MALLEPALLYTHOGU						
328	17.954661	80.578095	15.20	IV	JINKALALODDI	368	17.900067	80.625257	18.00	II	RANGAPURAM-E						
329	17.961578	80.565638	18.49	IV	JINKALALODDI	369	17.914251	80.644485	29.31	III	RANGAPURAM-E						
330	17.955261	80.576967	11.62	IV	JINKALALODDI	370	17.913520	80.626232	10.49	IV	RANGAPURAM-E						
331	17.943656	80.536340	46.64	V	JINKALALODDI	371	17.912194	80.625103	15.85	IV	RANGAPURAM-E						

Map Showing Suitability index for Construction of SMC Works of Busurai Beat



Division : Kinnerasani
Range : Regalla



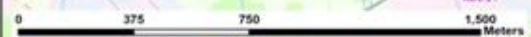
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
172	17.872726	80.595248	8.76	II
173	17.856609	80.622614	4.82	II
174	17.866140	80.618592	9.20	II
175	17.859718	80.617528	8.17	II
176	17.872594	80.597277	7.18	II
177	17.866047	80.615310	16.24	II
178	17.874546	80.590034	9.39	II
179	17.870993	80.601272	15.13	IV
180	17.870600	80.597443	8.56	IV
181	17.859974	80.607868	4.53	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

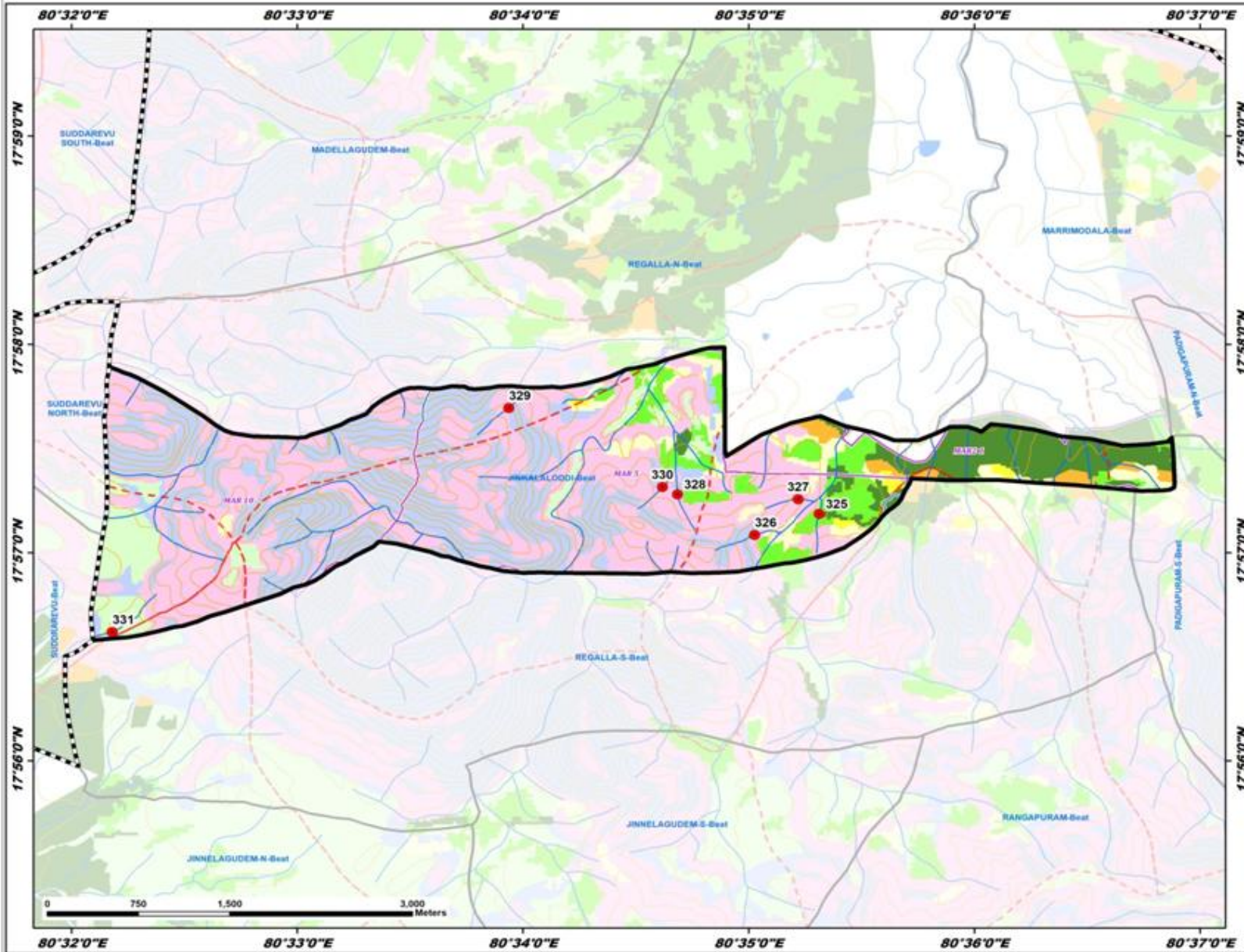
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Jinkalaloddi Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
325	17.953093	80.588565	8.34	I
326	17.951427	80.583779	10.58	II
327	17.954271	80.587005	4.69	II
328	17.954661	80.578095	15.20	IV
329	17.961578	80.565638	18.49	IV
330	17.955261	80.576967	11.62	IV
331	17.943656	80.536340	46.64	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

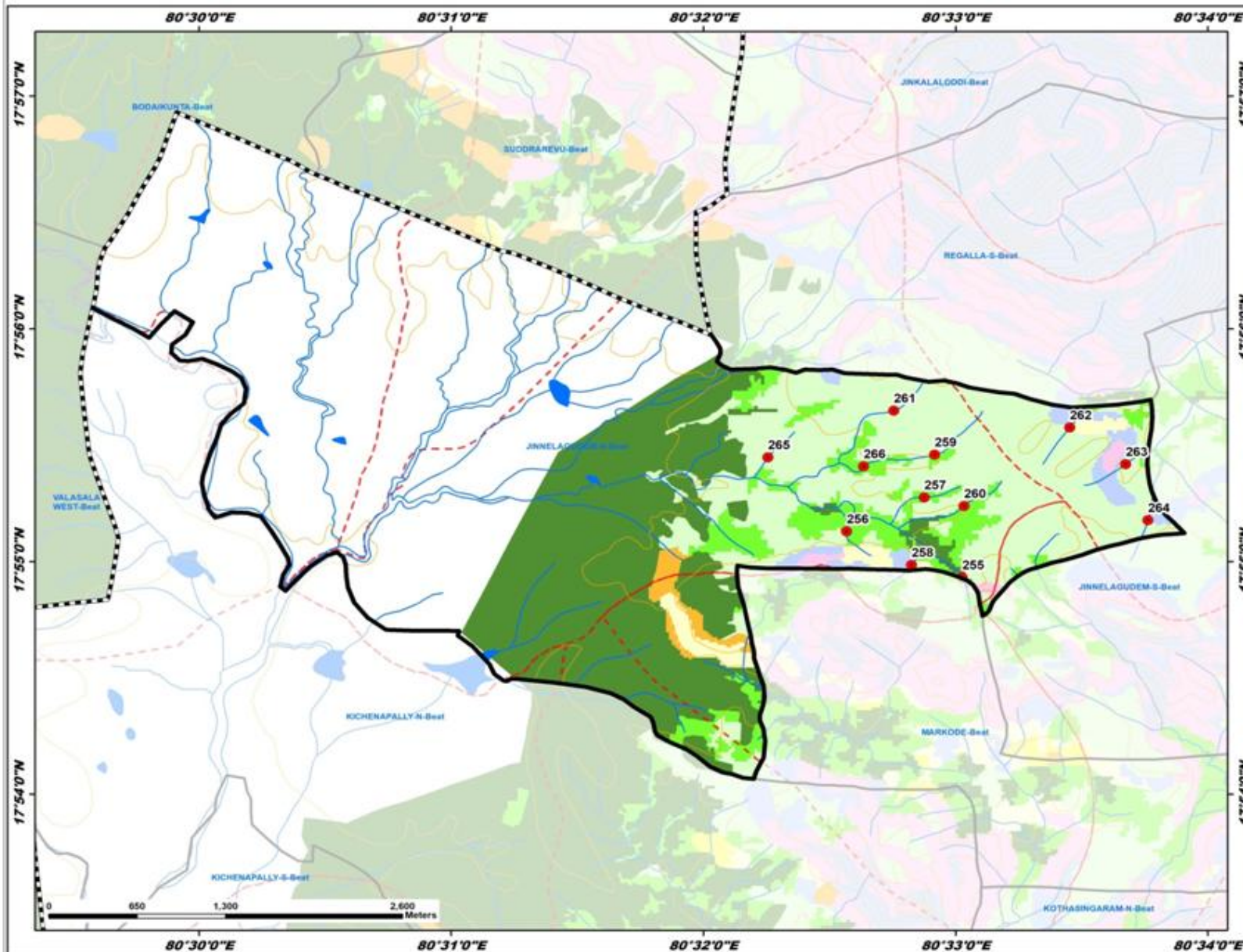
Suitability Index

- CCTs/STs - Highly Suitable
- CCTs/STs - Moderately Suitable
- CCTs/STs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Jinnelagudem North Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
255	17.913541	80.550440	16.69	I
256	17.918893	80.542814	11.07	II
257	17.921268	80.547983	7.72	II
258	17.916437	80.547103	13.42	II
259	17.924336	80.548825	31.50	III
260	17.920649	80.550557	17.39	IV
261	17.927477	80.549918	22.46	IV
262	17.926271	80.557556	12.53	IV
263	17.923648	80.561253	20.43	IV
264	17.919643	80.562713	36.98	V
265	17.924142	80.537601	26.57	V
266	17.923492	80.543891	54.97	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary

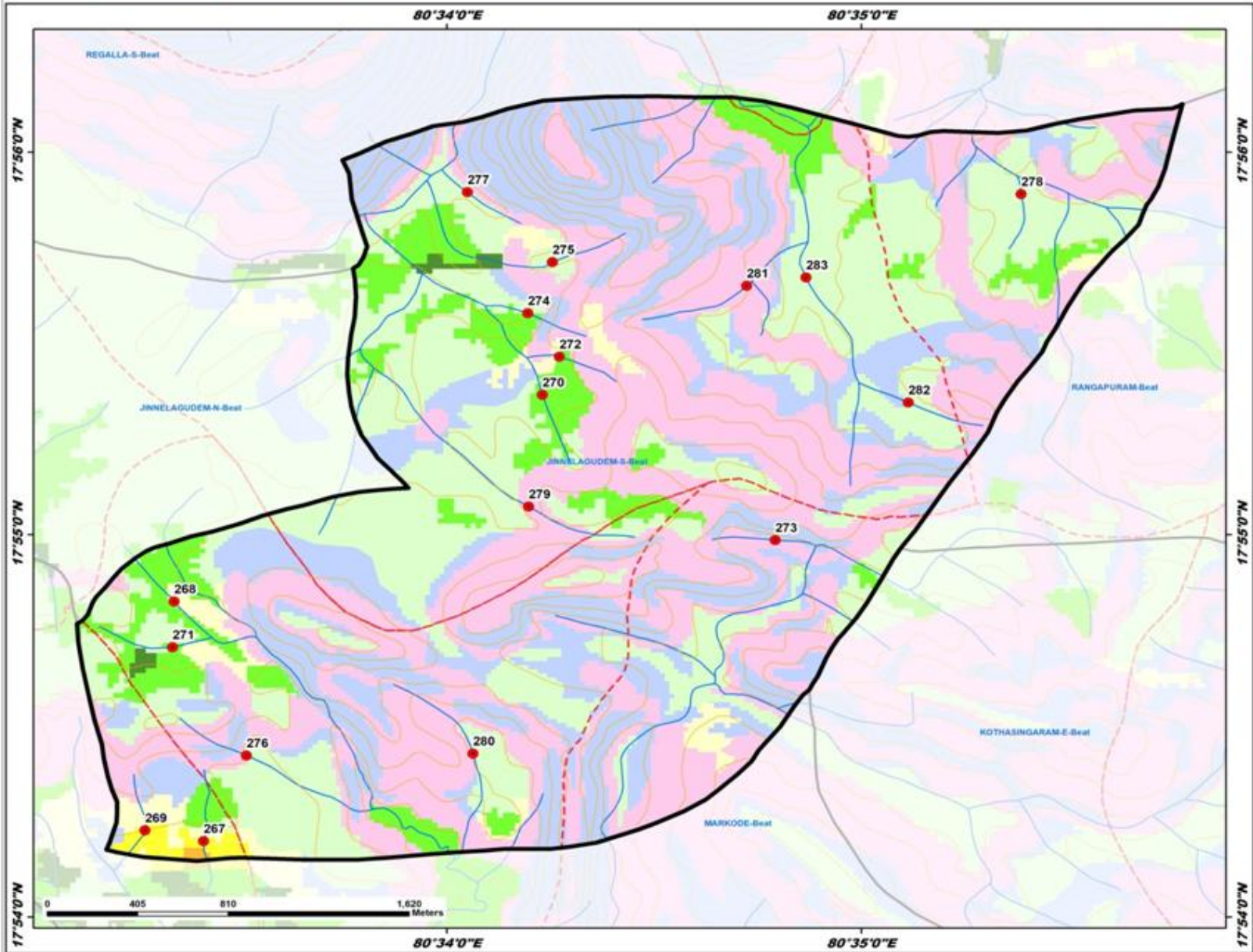
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Jinnelagudem South Beat



Division : Kinnerasani
Range : Regalla



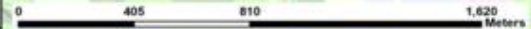
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
267	17.903305	80.556884	10.94	I
268	17.913750	80.555668	11.99	I
269	17.903769	80.554526	14.22	I
270	17.922757	80.570515	22.80	II
271	17.911756	80.555630	16.74	II
272	17.924421	80.571193	8.73	II
273	17.916430	80.579888	10.47	IV
274	17.926324	80.569929	9.10	IV
275	17.928545	80.570923	16.23	IV
276	17.907039	80.558608	8.53	IV
277	17.931591	80.567493	22.66	IV
278	17.932512	80.589780	23.84	IV
279	17.917885	80.569960	30.73	V
280	17.907119	80.567716	31.29	V
281	17.927518	80.578730	31.64	V
282	17.923429	80.585230	28.15	V
283	17.927881	80.581117	92.43	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

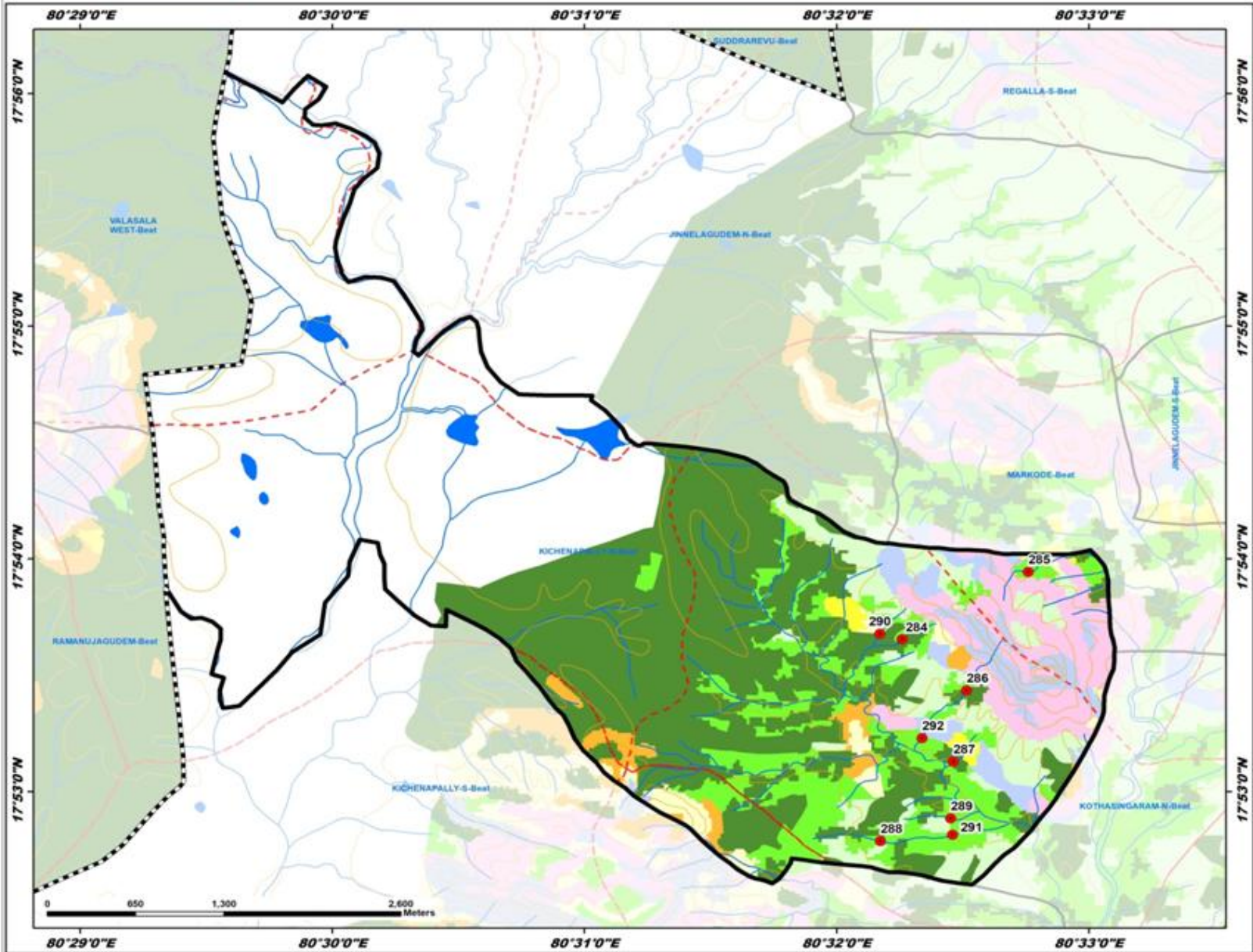
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of KICHENAPALLY-N Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
284	17.894265	80.537681	11.42	I
285	17.899076	80.546012	10.04	II
286	17.890581	80.541926	28.56	II
287	17.885478	80.541063	27.82	II
288	17.879792	80.536242	17.26	II
289	17.881417	80.540886	6.10	II
290	17.894640	80.536204	11.17	II
291	17.880255	80.540997	36.68	III
292	17.887163	80.538987	55.91	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬮ Watershed Boundary
- ⬮ Compartment Boundary
- ⬮ Beat Boundary
- ⬮ Division Boundary

Suitability Index

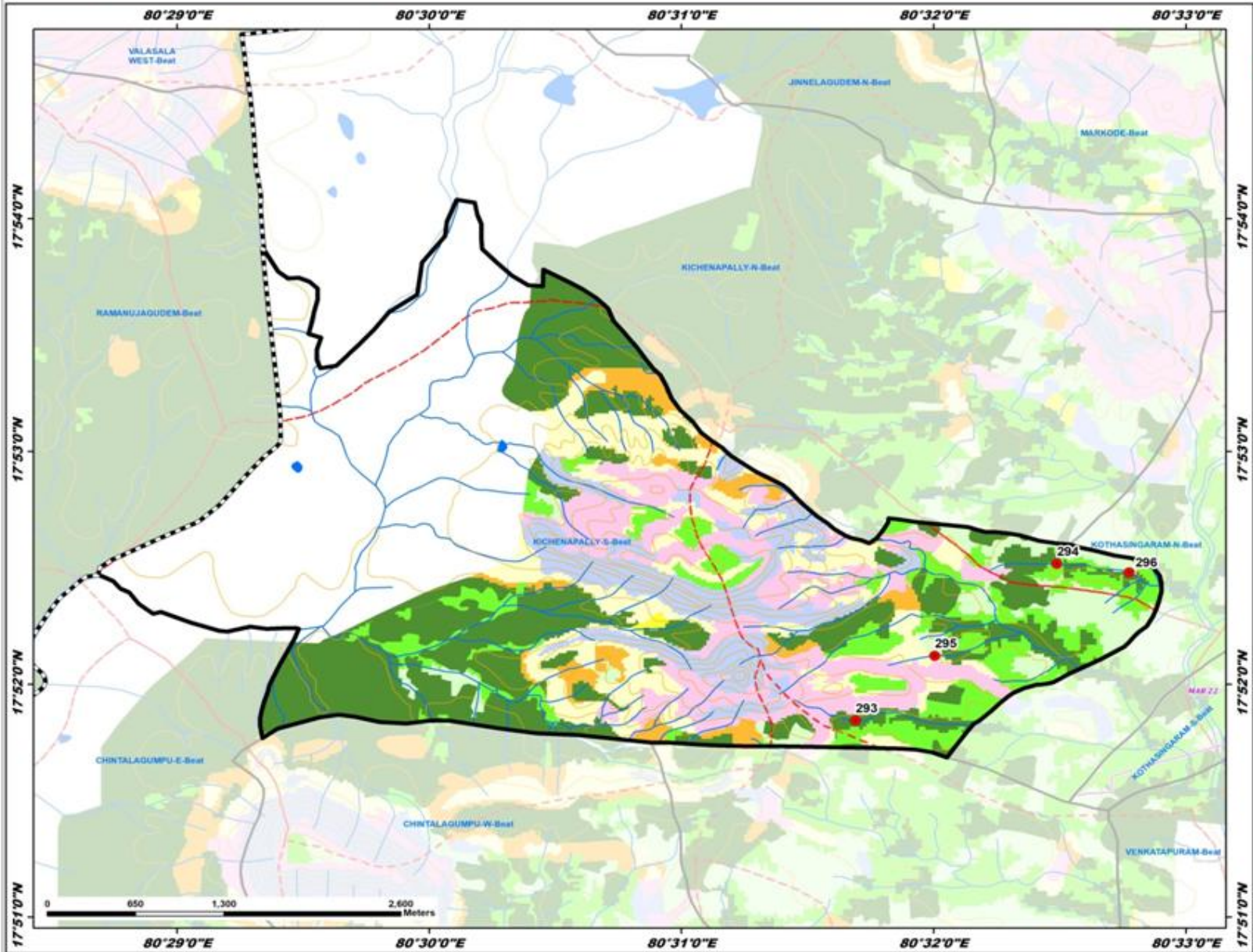
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGP - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of KICHENAPALLY-S Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
293	17.864062	80.528384	20.25	I
294	17.875288	80.541494	30.51	III
295	17.868713	80.533427	8.79	IV
296	17.874677	80.546266	53.13	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

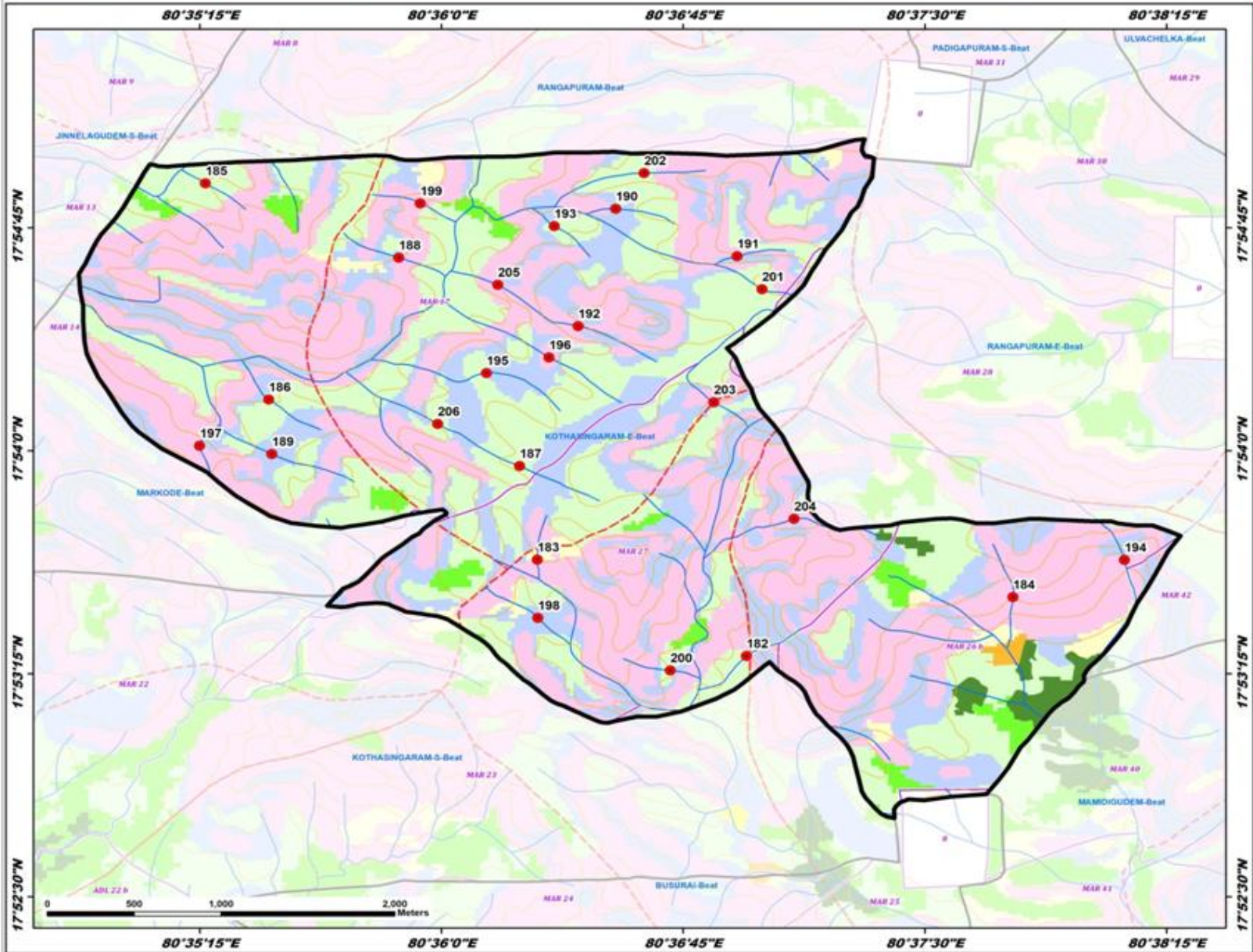
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MP/TS and SGP/TS - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Kothasingaram East Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
182	17.888501	80.615786	16.99	II
183	17.893904	80.604971	9.23	II
184	17.891810	80.629572	13.58	II
185	17.914997	80.587789	7.29	IV
186	17.902878	80.591075	7.87	IV
187	17.899148	80.604052	23.18	IV
188	17.910829	80.597798	17.41	IV
189	17.899823	80.591232	23.76	IV
190	17.913572	80.609021	11.51	IV
191	17.910910	80.615306	12.68	IV
192	17.906995	80.607078	23.06	IV
193	17.912597	80.605845	12.08	IV
194	17.893891	80.635334	22.10	IV
195	17.904359	80.602331	21.93	IV
196	17.905232	80.605567	21.65	IV
197	17.900291	80.587500	5.09	IV
198	17.890633	80.604998	14.31	IV
199	17.913872	80.598909	15.96	IV
200	17.887686	80.611845	4.86	IV
201	17.909063	80.616591	13.00	IV
202	17.913573	80.610487	14.49	IV
203	17.902722	80.614099	37.07	V
204	17.896184	80.618247	34.49	V
205	17.909307	80.602923	44.51	V
206	17.901502	80.599814	48.40	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬮ Watershed Boundary
- ⬮ Compartment Boundary
- ⬮ Beat Boundary
- ⬮ Division Boundary

Suitability Index

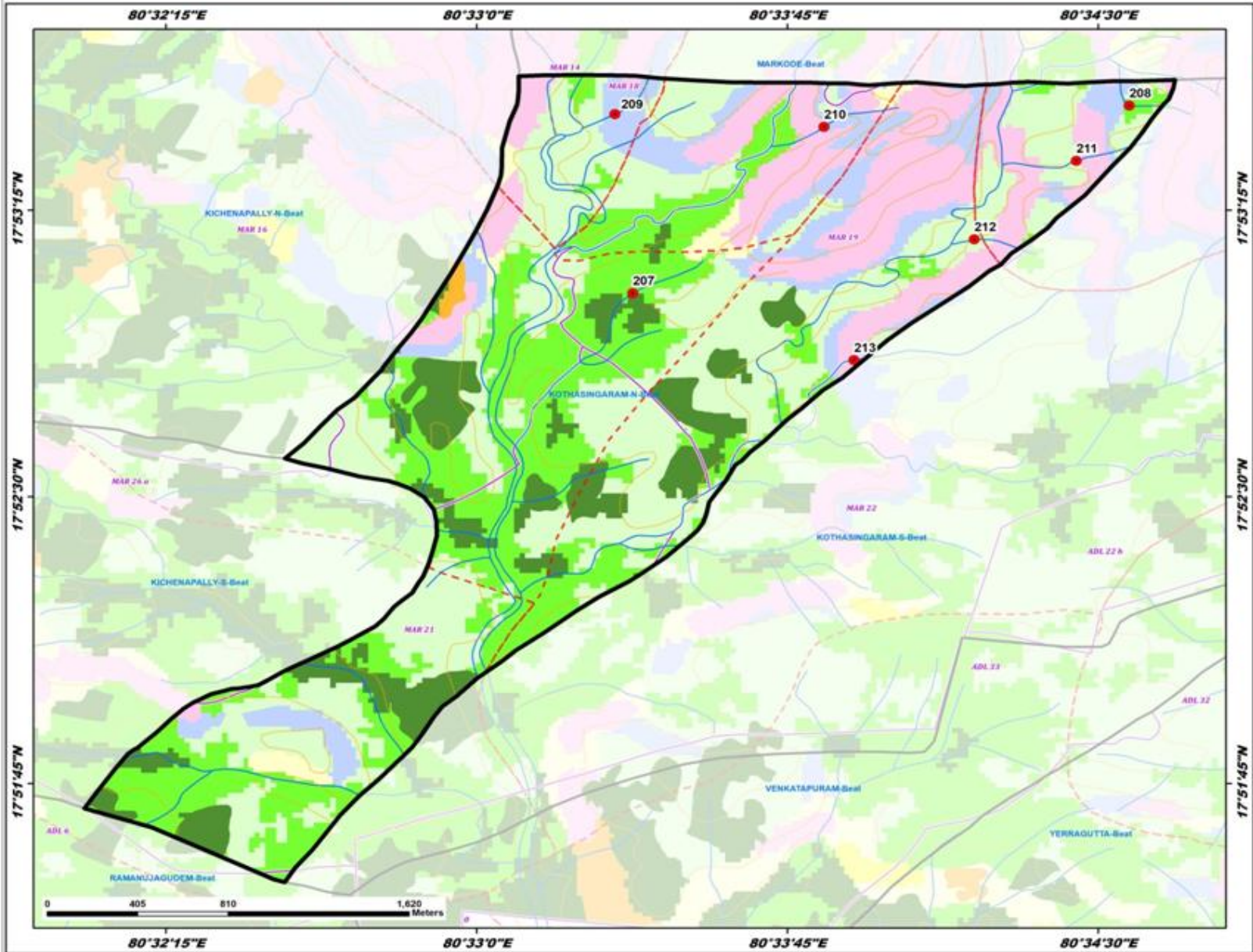
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Kothasingaram North Beat



Division : Kinnerasani
Range : Regalla



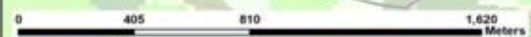
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
207	17.883879	80.556283	11.35	II
208	17.892060	80.576258	6.26	II
209	17.891685	80.555572	14.59	IV
210	17.891128	80.563979	10.23	IV
211	17.889646	80.574132	22.06	IV
212	17.886225	80.570027	26.66	V
213	17.880967	80.565180	47.71	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⌈ Watershed Boundary
- ⌈ Compartment Boundary
- ⌈ Beat Boundary
- ⌈ Division Boundary

Suitability Index

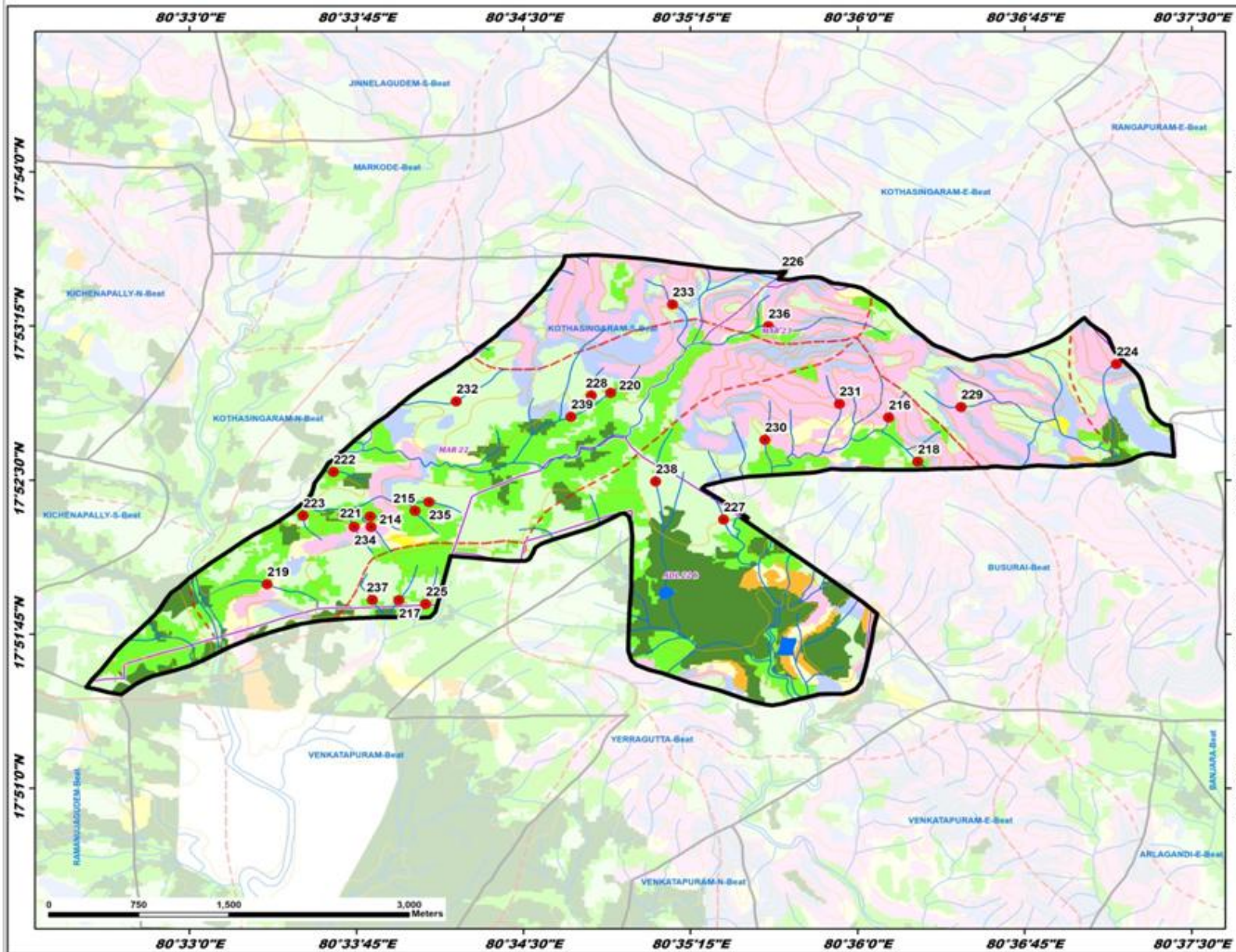
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Kothasingaram South Beat



Division : Kinnerasani
Range : Regalla



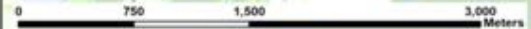
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
234	17.871234	80.563605	6.71	II
235	17.872515	80.566882	11.33	II
236	17.880074	80.602334	8.85	II
237	17.865266	80.565682	8.64	II
238	17.876488	80.604524	17.51	II
239	17.866568	80.555821	23.65	II
220	17.882077	80.581538	24.05	II
221	17.872058	80.563541	6.85	II
222	17.875668	80.560789	9.43	II
223	17.872125	80.558514	7.42	II
224	17.884410	80.619382	33.58	III
225	17.864948	80.567680	9.35	IV
226	17.891713	80.594338	6.85	IV
227	17.871798	80.589990	8.88	IV
228	17.881861	80.580077	10.71	IV
229	17.880930	80.607759	8.98	IV
230	17.878283	80.593074	22.40	IV
231	17.881192	80.598649	8.67	IV
232	17.881994	80.569964	18.46	IV
233	17.889256	80.586165	13.36	IV
234	17.871204	80.562327	7.61	IV
235	17.873235	80.567928	12.95	IV
236	17.867488	80.593322	56.83	IV
237	17.865287	80.563693	12.10	IV
238	17.874891	80.584899	26.10	V
239	17.880134	80.578564	43.41	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

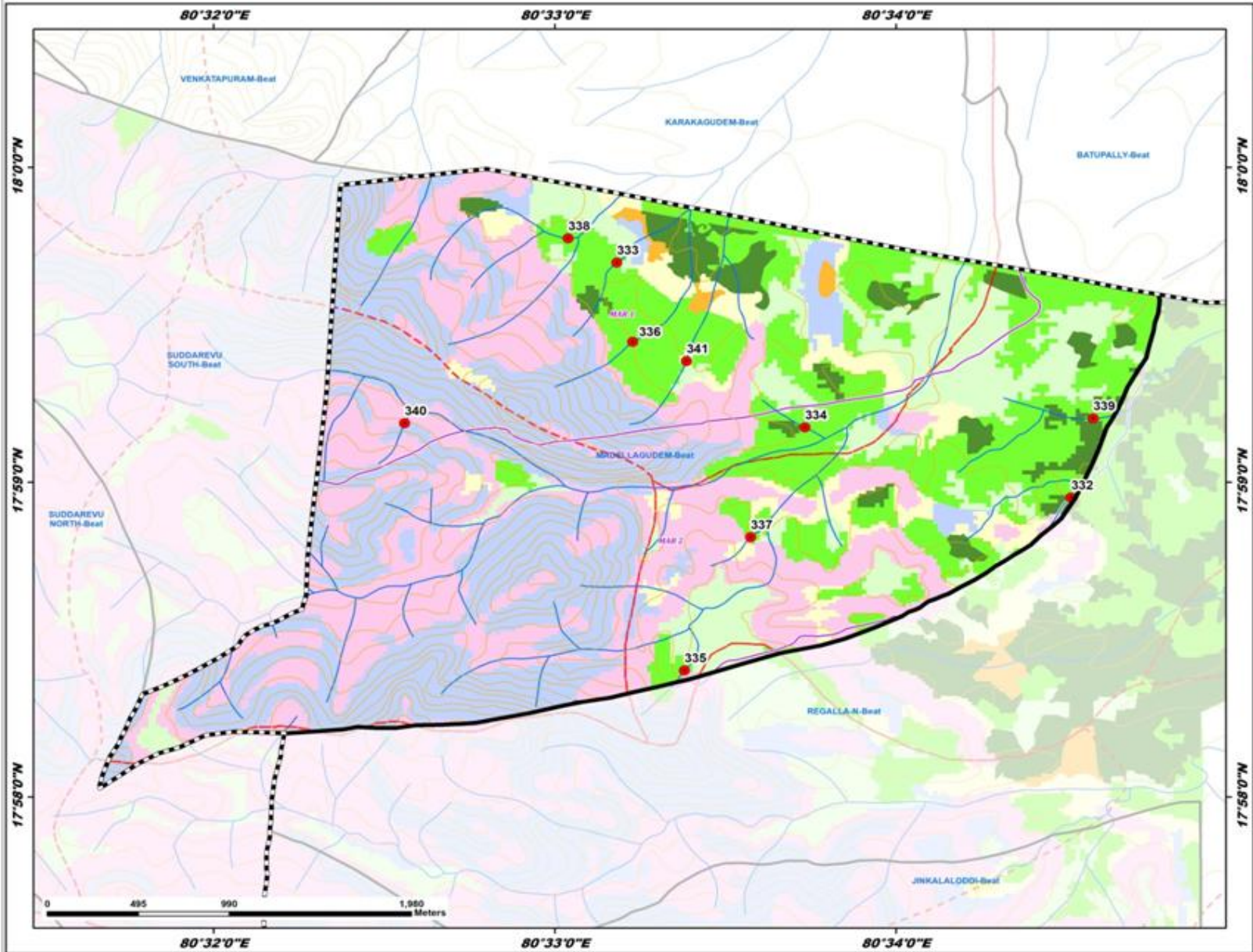
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Madellagudem Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
332	17.982526	80.575225	18.24	I
333	17.994972	80.553030	15.82	II
334	17.986246	80.562219	7.75	II
335	17.973381	80.556332	11.22	II
336	17.990770	80.553810	15.97	II
337	17.980433	80.559568	13.07	II
338	17.996251	80.550652	39.07	III
339	17.986719	80.576307	45.34	III
340	17.986460	80.542664	9.94	IV
341	17.989749	80.556431	21.46	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

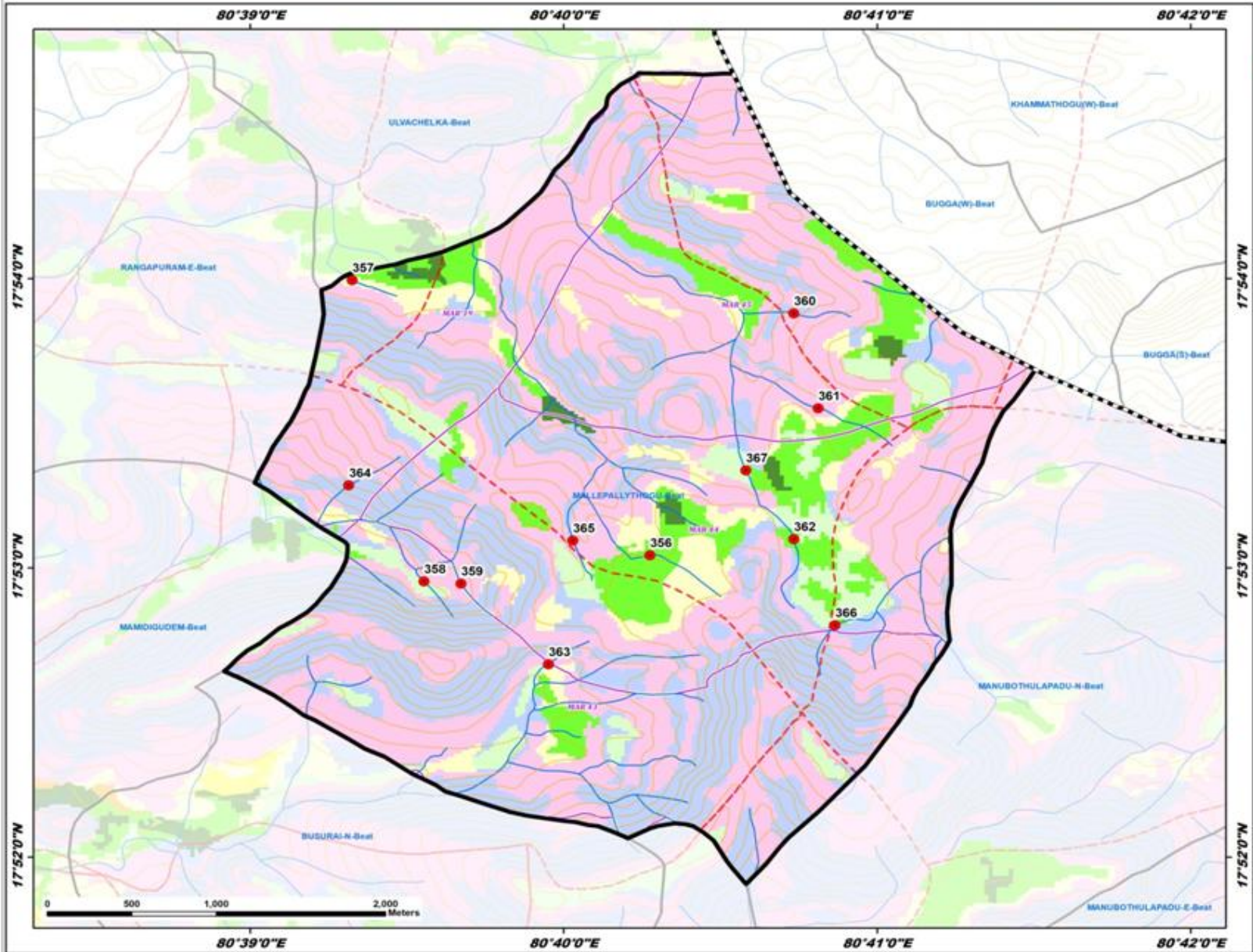
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Mallepallythogu Beat



Division : Kinnerasani
Range : Regalla



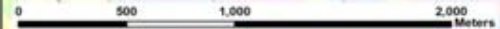
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
356	17.884067	80.671256	15.87	II
357	17.899906	80.655418	22.03	II
358	17.882562	80.659239	12.23	II
359	17.882425	80.661215	14.04	II
360	17.897996	80.678902	26.18	II
361	17.892531	80.680205	39.33	II
362	17.884990	80.678903	32.70	II
363	17.877781	80.665858	29.91	III
364	17.888085	80.655249	15.22	IV
365	17.884907	80.667158	7.32	IV
366	17.880051	80.681194	25.28	V
367	17.888953	80.676352	64.02	V

LEGEND

- Proposed CD/PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

Suitability Index

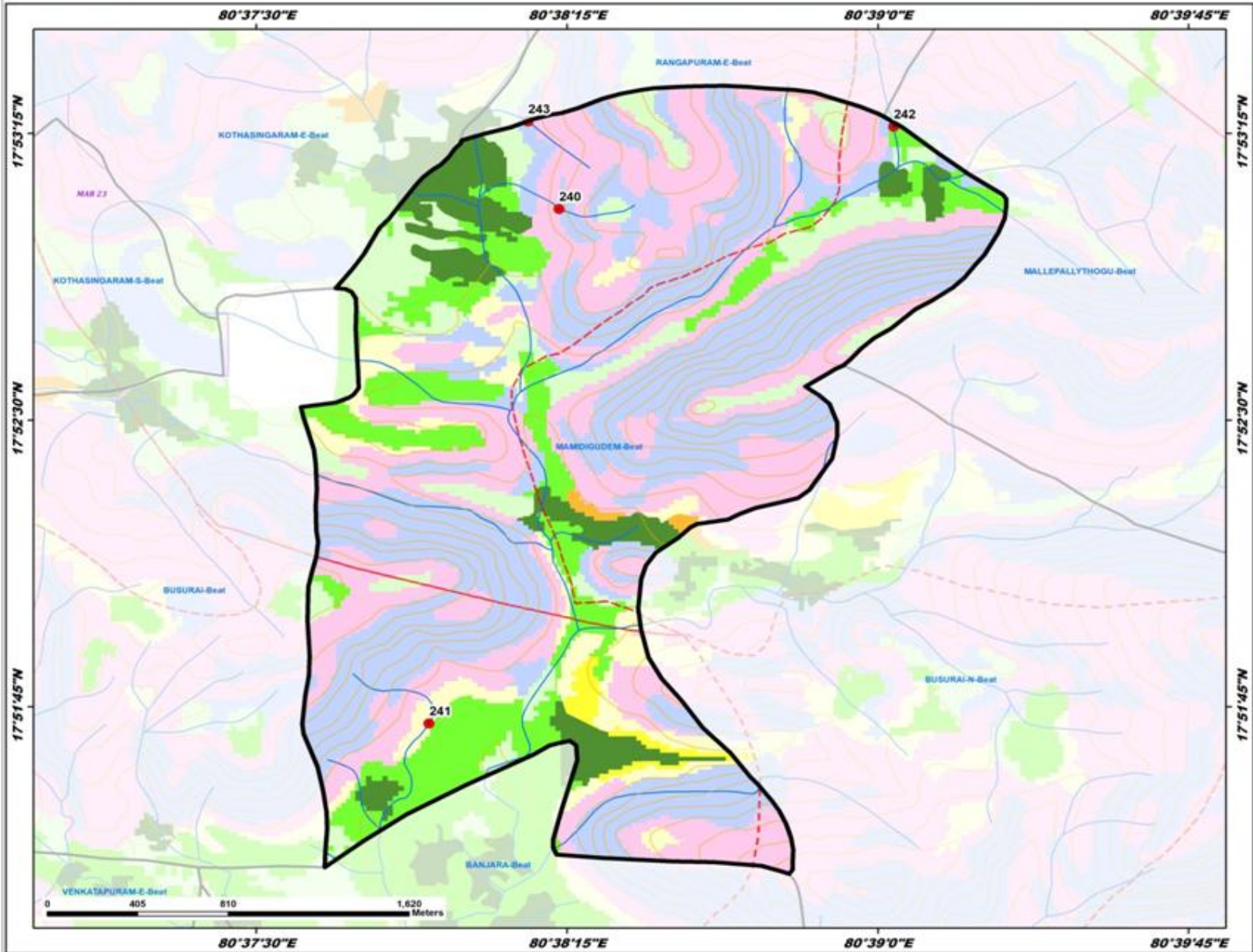
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Mamidigudem Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
240	17.884207	80.637178	10.76	II
241	17.861779	80.632953	29.43	III
242	17.887796	80.650642	70.13	IV
243	17.888027	80.635939	25.33	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary

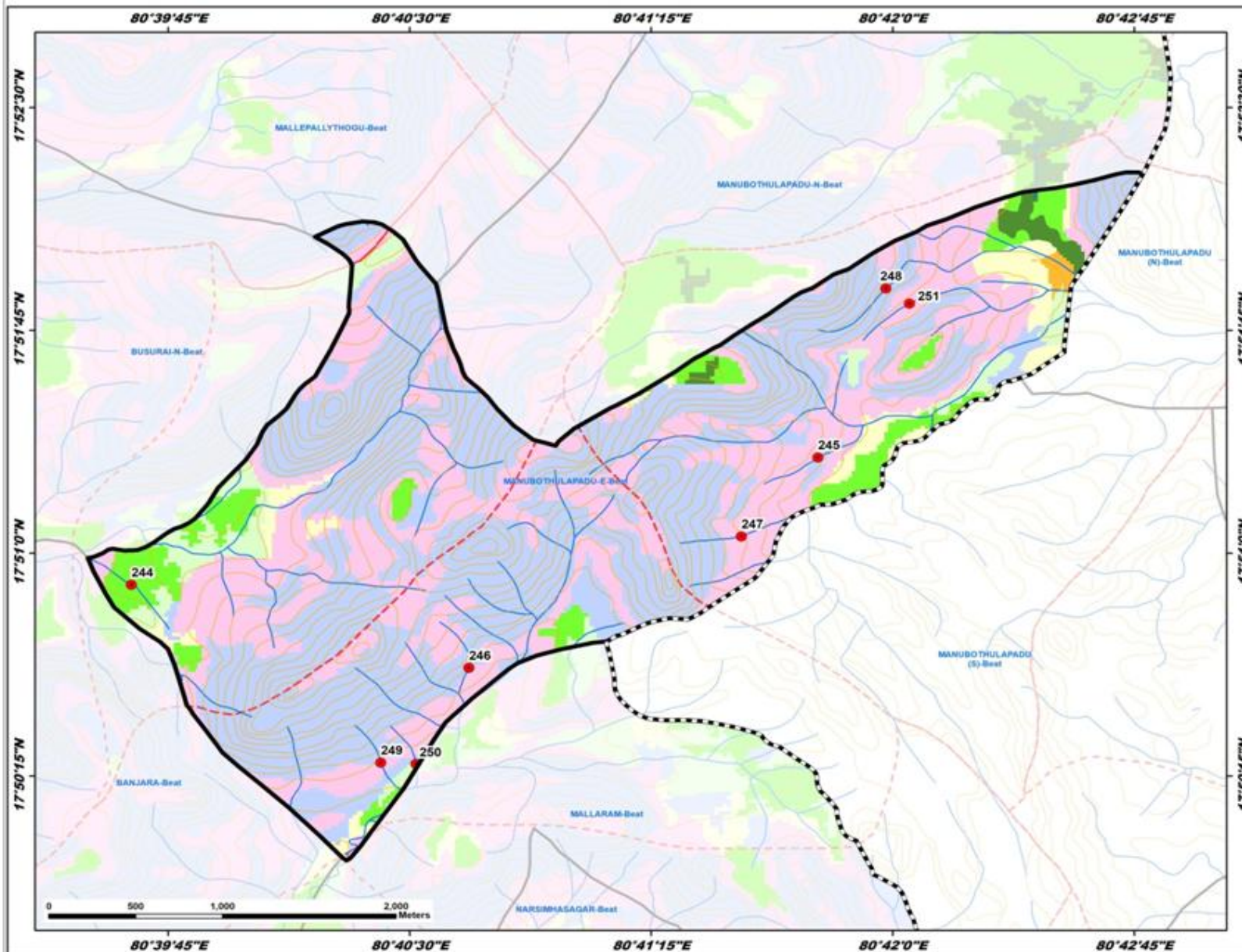
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Manubothulapadu East Beat



Division : Kinnerasani
Range : Regalla



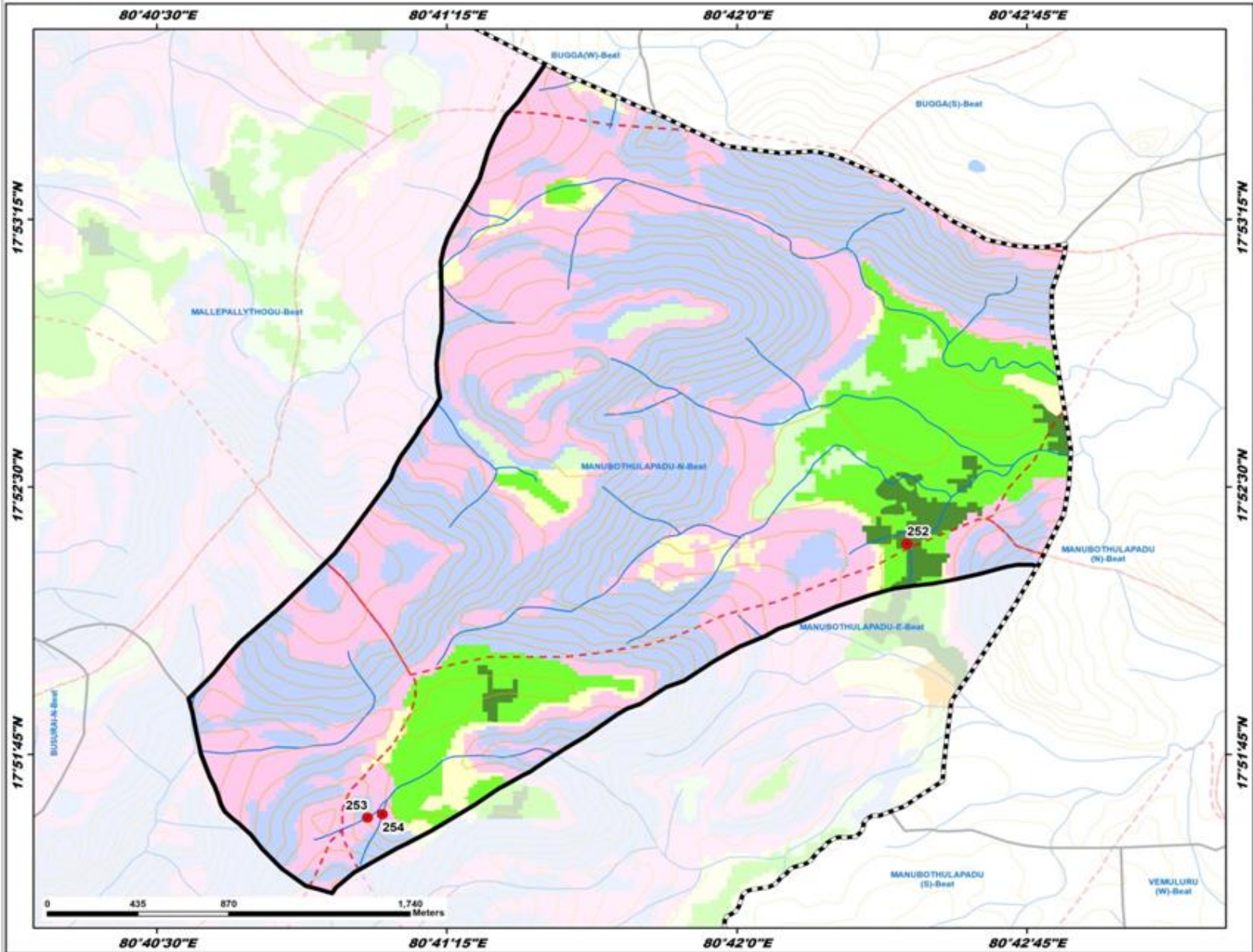
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
244	17.848240	80.660999	12.24	II
245	17.855383	80.696541	8.65	II
246	17.843571	80.678072	8.88	II
247	17.850994	80.692173	19.27	IV
248	17.864858	80.699663	16.96	IV
249	17.838263	80.673514	9.19	IV
250	17.838187	80.675330	6.56	IV
251	17.864014	80.700885	9.18	IV

- LEGEND**
- Proposed PTs
 - Existing CD/PTs
 - Contours
 - Streams
 - ⬜ Watershed Boundary
 - ⬜ Compartment Boundary
 - ⬜ Beat Boundary
 - ⬜ Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
 - CCTs/SCTs - Moderately Suitable
 - CCTs/SCTs - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately Suitable
 - PTs - Least Suitable
 - MPTs and SGPs - Suitable
 - Not Suitable
 - Water Body

Map Showing Suitability index for Construction of SMC Works of Manubothulapadu North Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
252	17.872352	80.707338	24.09	I
253	17.859562	80.684063	5.73	IV
254	17.859721	80.684716	8.11	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

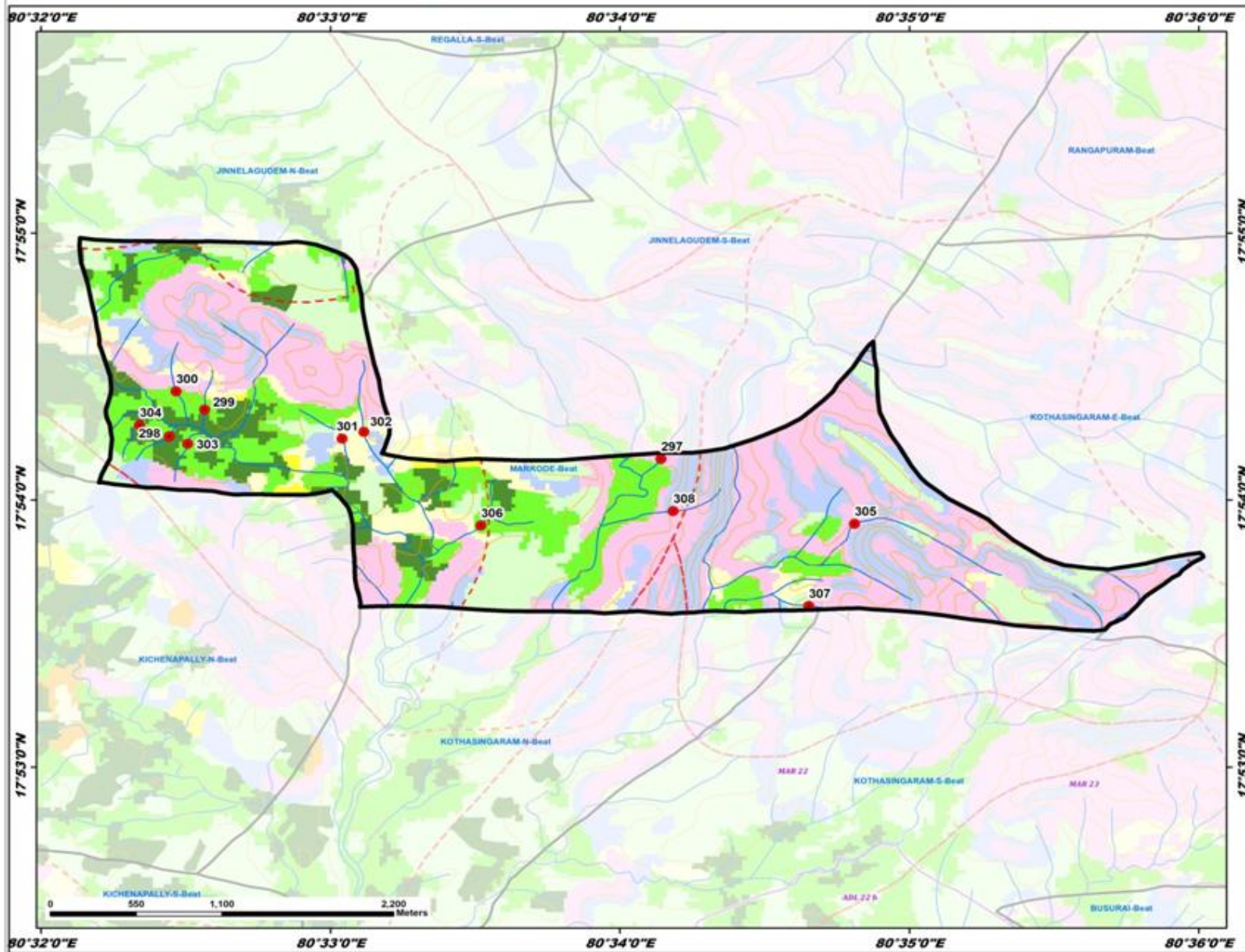
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Markode Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
297	17.902584	80.569031	20.76	I
298	17.903981	80.540718	9.77	I
299	17.905663	80.542758	10.95	I
300	17.906793	80.541307	16.22	I
301	17.903838	80.550675	14.12	II
302	17.904274	80.551919	24.16	II
303	17.903519	80.541778	7.33	II
304	17.904704	80.539011	6.01	II
305	17.898527	80.580185	47.28	III
306	17.898420	80.558661	42.14	III
307	17.893404	80.577554	13.69	IV
308	17.899328	80.568733	9.21	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

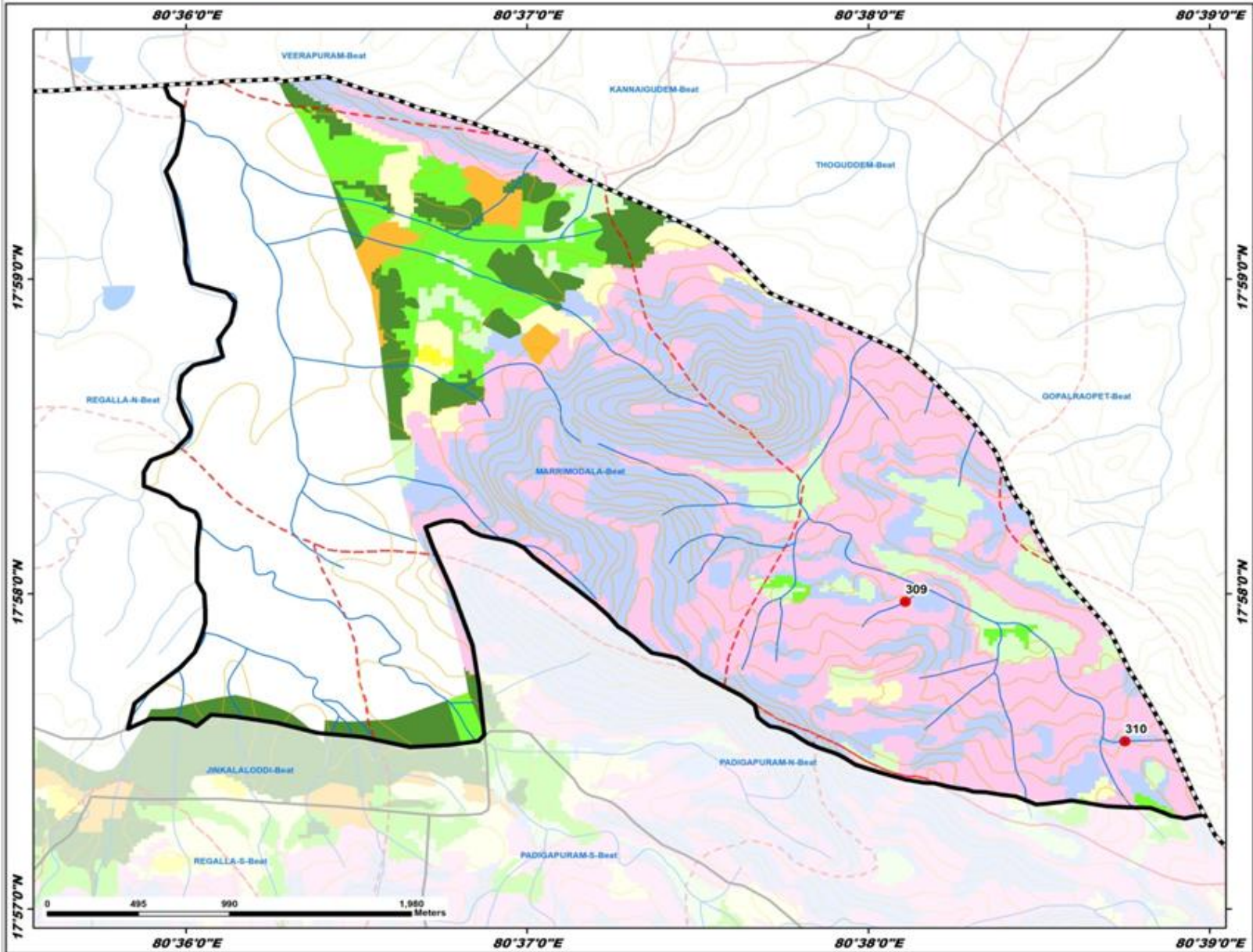
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Marrimodala Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
309	17.96258	80.635144	16.15	IV
310	17.958865	80.645873	14.09	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

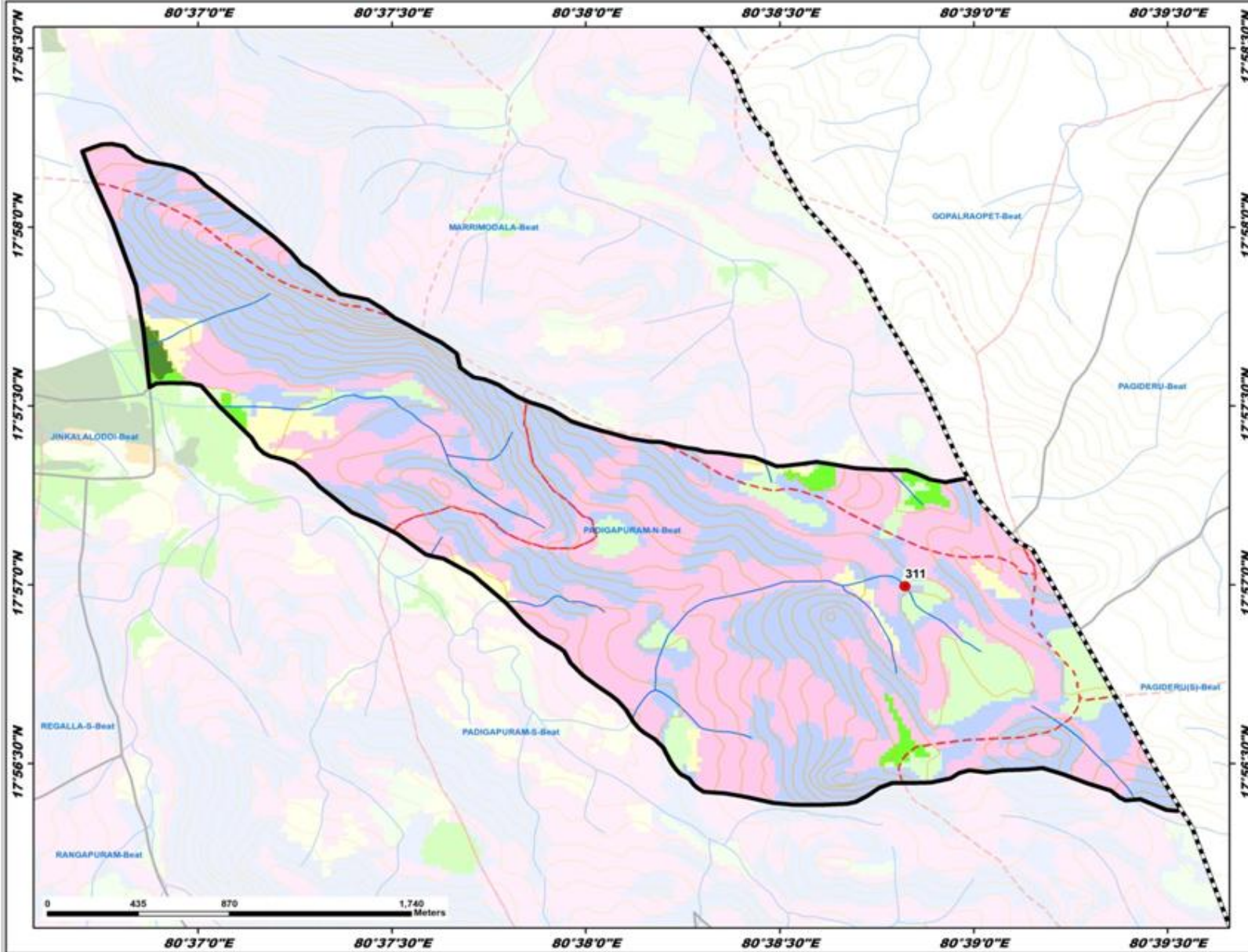
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Padigapuram North Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
311	17.949938	80.647061	23.10	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬮ Watershed Boundary
- ⬮ Compartment Boundary
- ⬮ Beat Boundary
- ⬮ Division Boundary

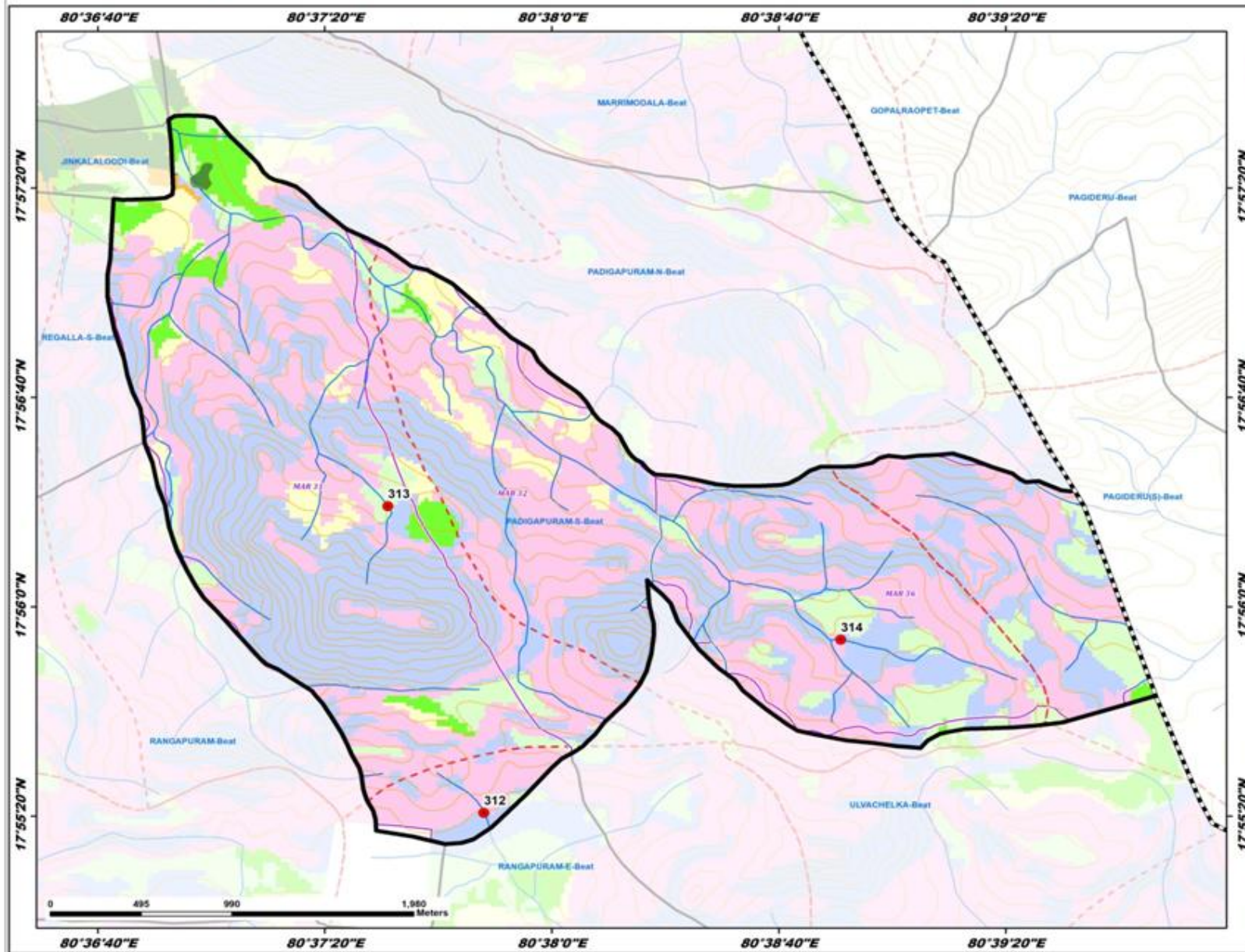
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Padigapuram South Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
312	17.922400	80.630057	8.66	IV
313	17.938679	80.625356	30.92	V
314	17.931602	80.647485	44.26	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

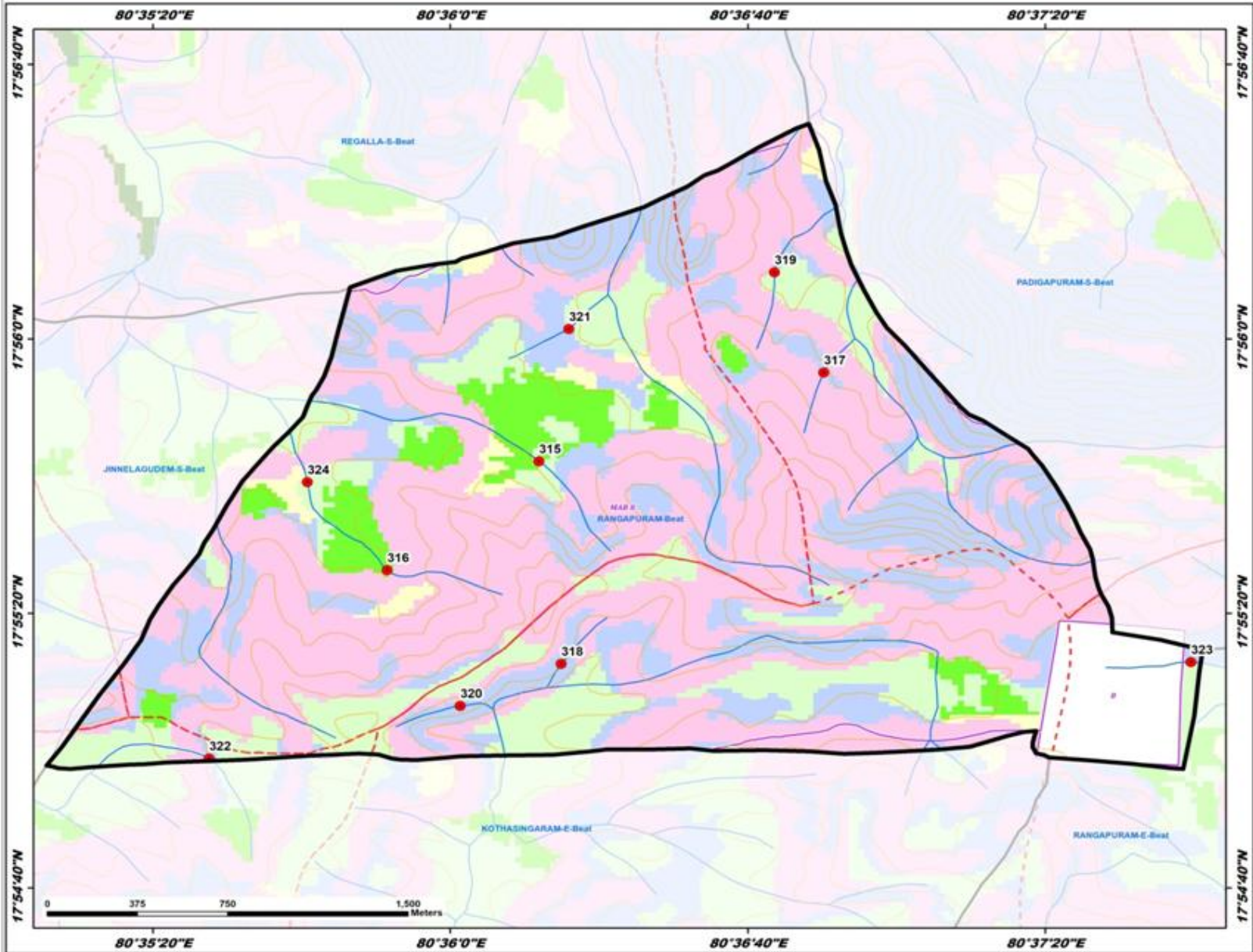
Suitability Index

- CCTs/STCs - Highly Suitable
- CCTs/STCs - Moderately Suitable
- CCTs/STCs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Rangapuram Beat



Division : Kinnerasani
Range : Regalla



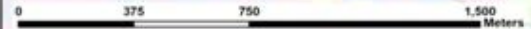
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
315	17.928381	80.603318	26.58	III
316	17.922978	80.597643	37.00	III
317	17.931977	80.613952	8.44	IV
318	17.920181	80.604349	18.40	IV
319	17.936033	80.612114	15.69	IV
320	17.918485	80.600375	8.89	IV
321	17.933737	80.604432	16.98	IV
322	17.916352	80.590986	33.22	V
323	17.920256	80.627679	55.00	V
324	17.927535	80.594661	80.00	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

Suitability Index

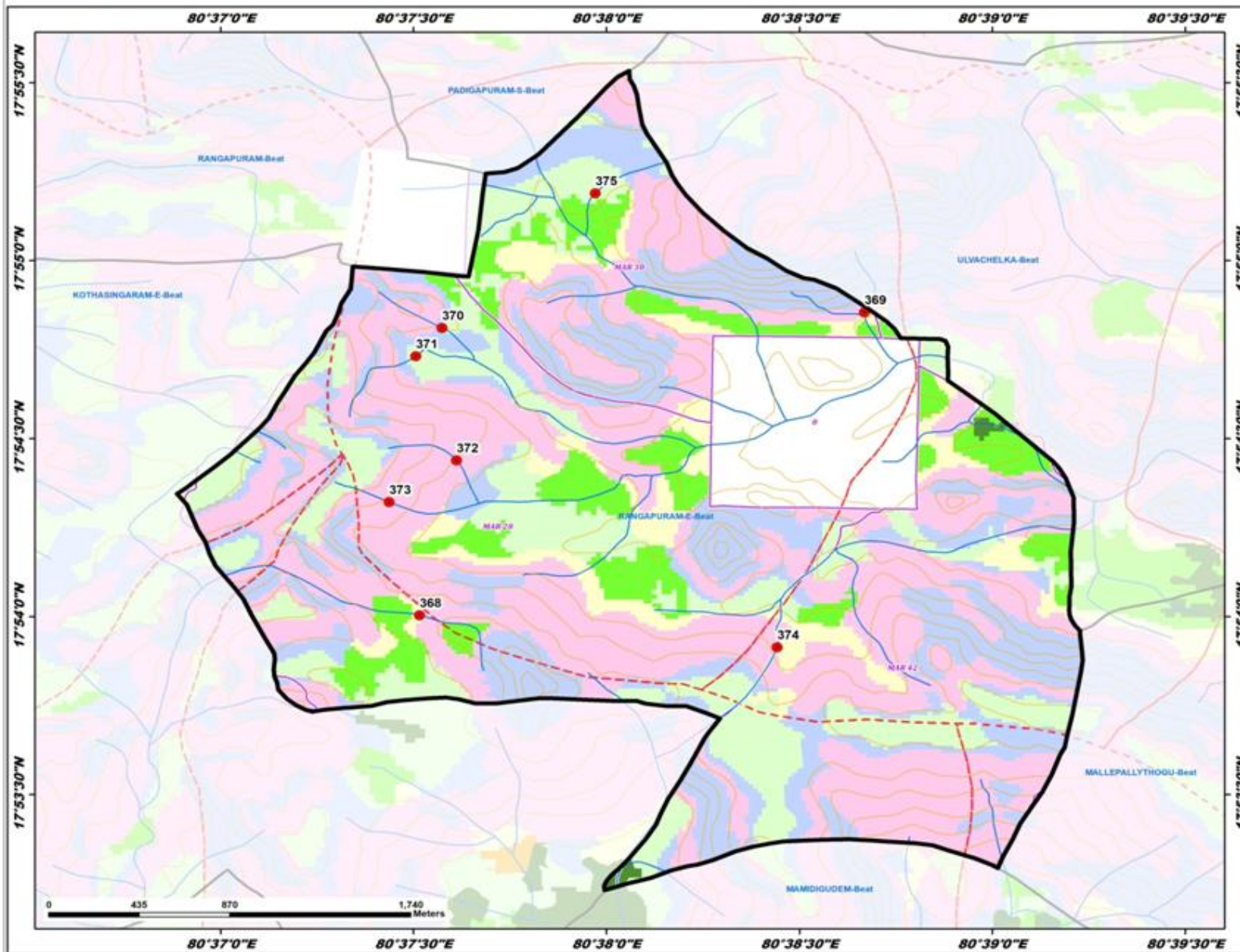
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Rangapuram East Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
368	17.90067	80.625257	18.00	II
369	17.914251	80.644485	29.31	III
370	17.913520	80.626232	10.49	IV
371	17.912194	80.625103	15.85	IV
372	17.907323	80.626858	6.99	IV
373	17.905363	80.623949	14.11	IV
374	17.898573	80.640709	47.68	V
375	17.919829	80.632849	86.88	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

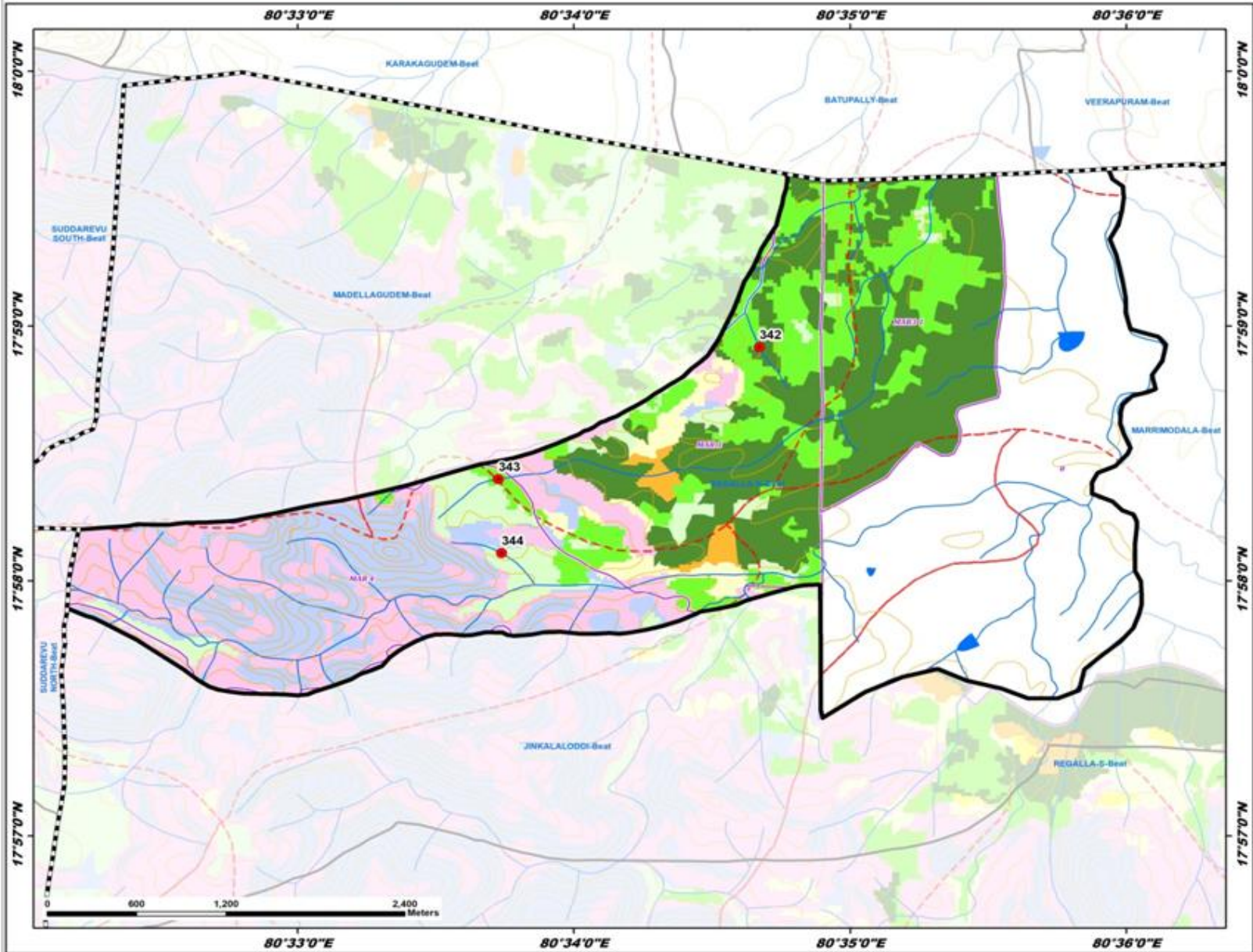
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Regalla North Beat



Division : Kinnerasani
Range : Regalla



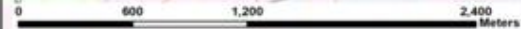
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
342	17.981958	80.577872	17.39	II
343	17.973328	80.562326	17.31	II
344	17.968487	80.562319	12.21	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- Beat Boundary
- ⊞ Division Boundary

Suitability Index

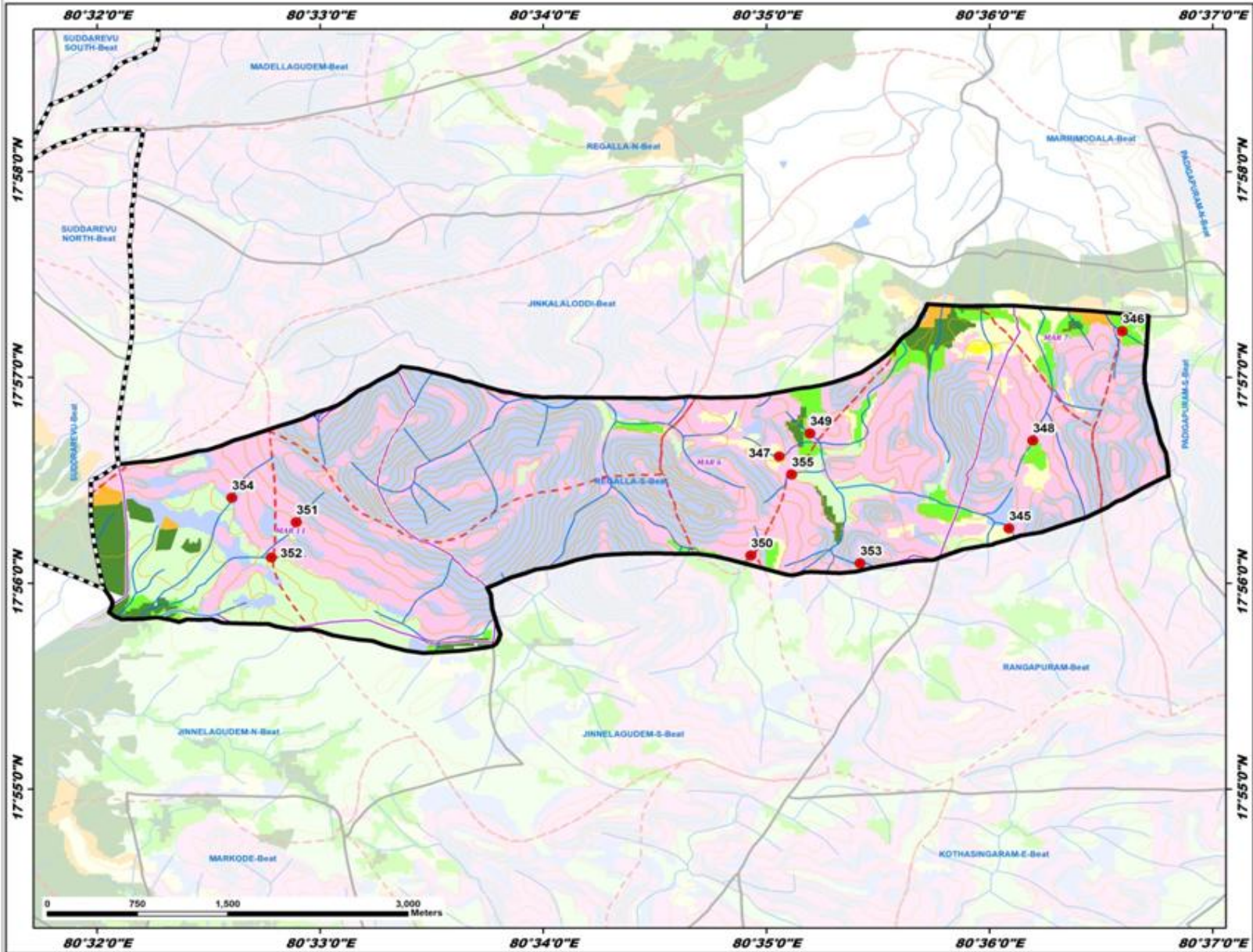
- CCTs/SGTs - Highly Suitable
- CCTs/SGTs - Moderately Suitable
- CCTs/SGTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Regalla South Beat



Division : Kinnerasani
Range : Regalla



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
345	17.937803	80.603468	11.92	II
346	17.953755	80.609938	9.67	II
347	17.943621	80.584300	14.93	II
348	17.948897	80.603242	17.98	II
349	17.945467	80.586594	11.70	II
350	17.935596	80.582190	9.85	II
351	17.938285	80.548207	10.81	IV
352	17.935447	80.546349	22.07	IV
353	17.934968	80.590347	17.07	IV
354	17.940265	80.543410	16.19	IV
355	17.942141	80.585226	9.71	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

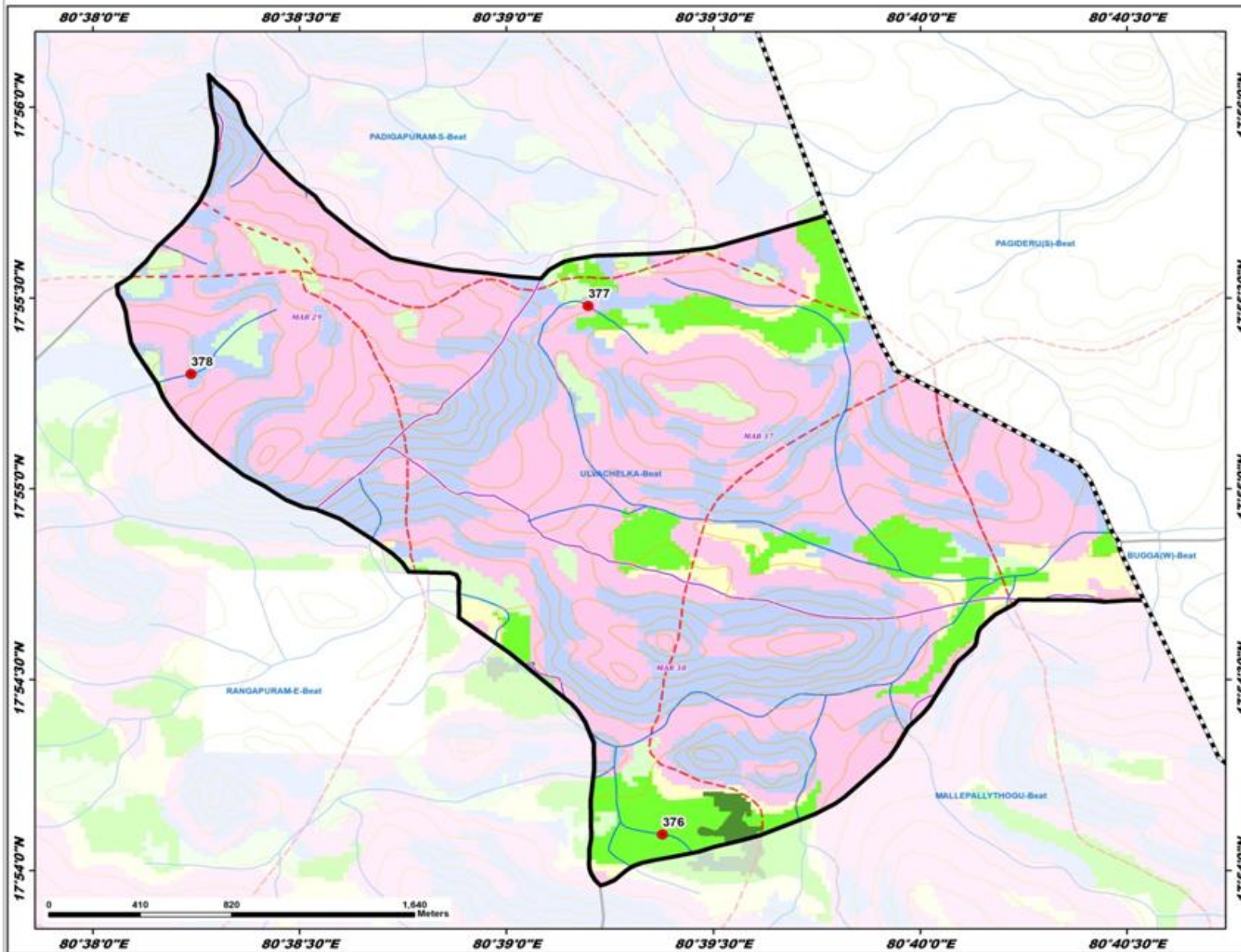
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Ulvachelka Beat



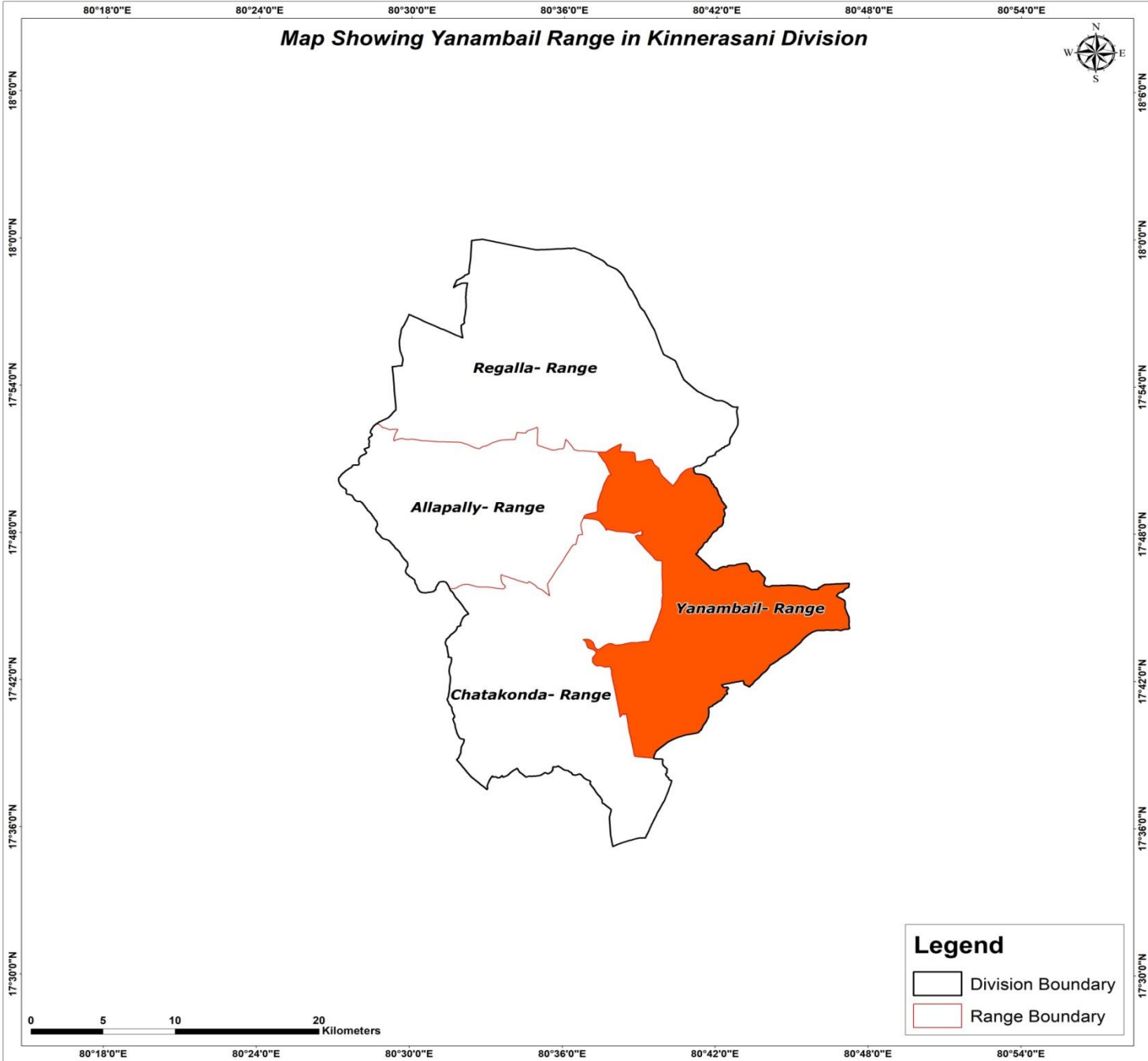
Division : Kinnerasani
Range : Regalla



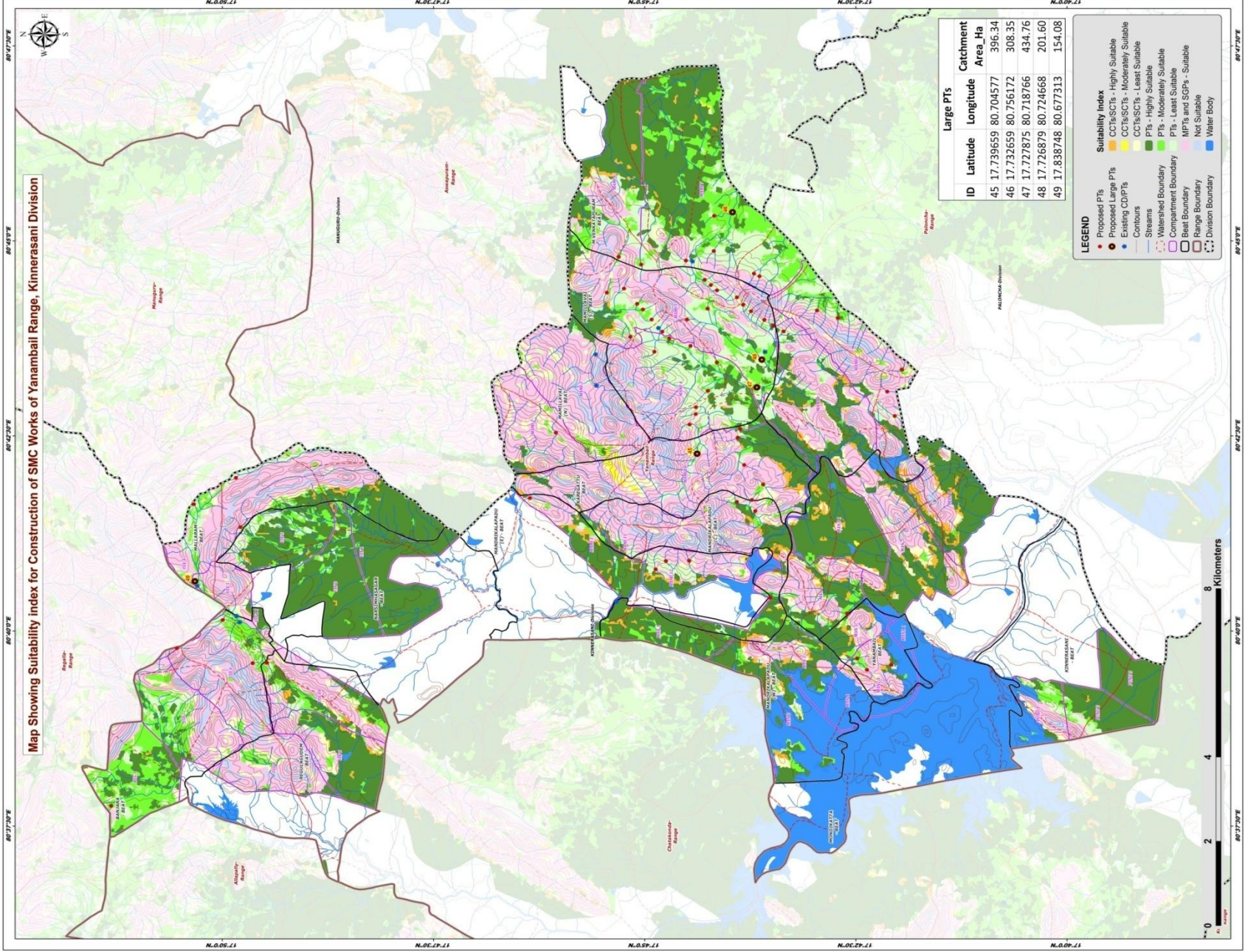
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
376	17.901578	80.656292	14.33	II
377	17.924658	80.653295	9.70	IV
378	17.921681	80.637291	44.20	V

- LEGEND**
- Proposed PTs
 - Existing CD/PTs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
 - CCTs/SCTs - Moderately Suitable
 - CCTs/SCTs - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately Suitable
 - PTs - Least Suitable
 - MPTs and SGPs - Suitable
 - Not Suitable
 - Water Body

Map Showing Yanambail Range in Kinnerasani Division



Map Showing Suitability Index for Construction of SMC Works of Yanambail Range, Kinnerasani Division



Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
45	17.739659	80.704577	396.34
46	17.732659	80.756172	308.35
47	17.727875	80.718766	434.76
48	17.726879	80.724668	201.60
49	17.838748	80.677313	154.08

LEGEND

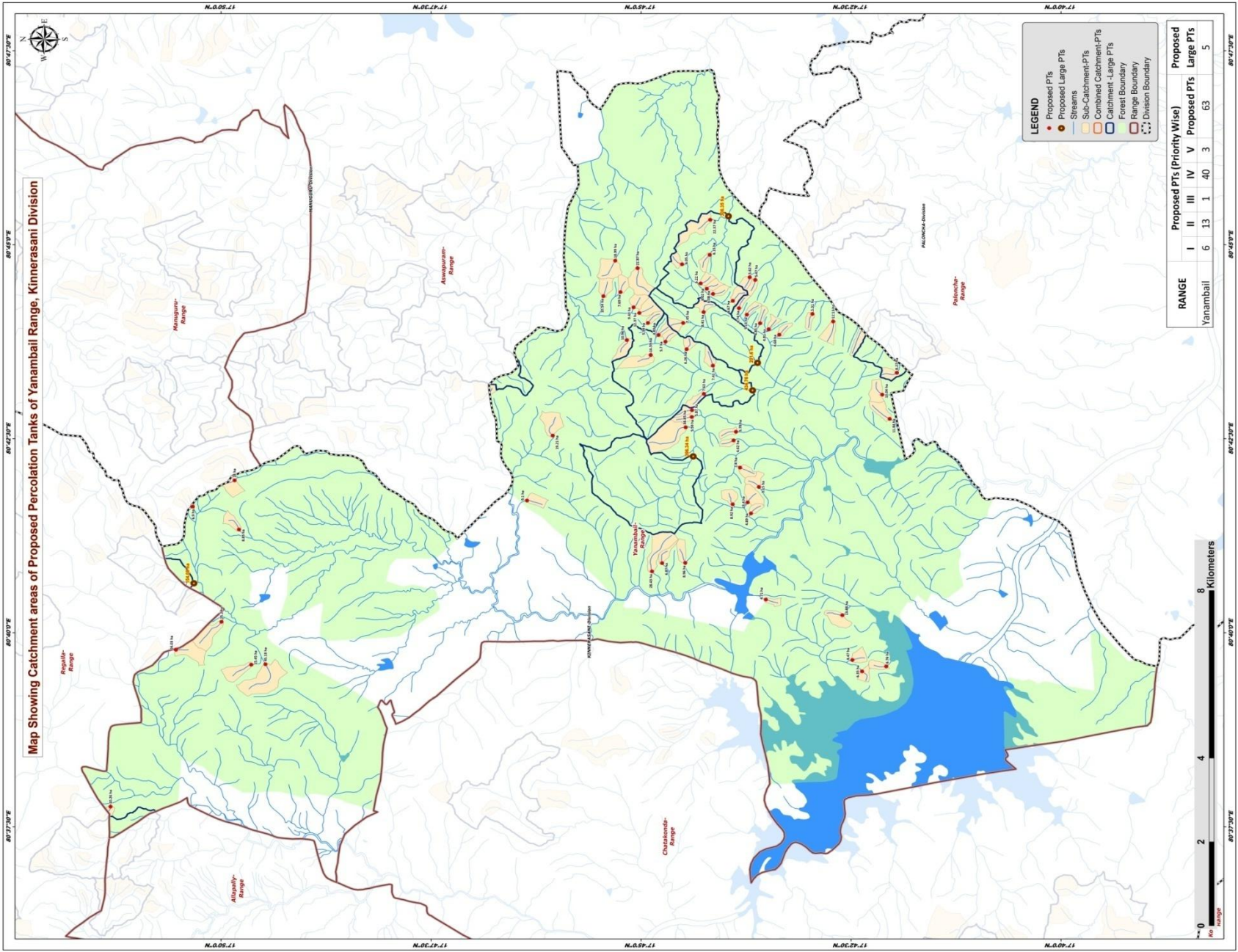
- Proposed PTs (Red dot)
- Existing CDPTs (Black dot)
- Contours (Brown line)
- Streams (Blue line)
- Watershed Boundary (Dashed black line)
- Compartment Boundary (Purple line)
- Beat Boundary (Pink line)
- Range Boundary (Black line)
- Division Boundary (Dotted black line)
- Water Body (Blue area)

Suitability Index

- Highly Suitable (Dark Green)
- Moderately Suitable (Light Green)
- Least Suitable (Yellow)
- Not Suitable (Pink)



Map Showing Catchment areas of Proposed Percolation Tanks of Yanambail Range, Kinnarasani Division



LEGEND

- Proposed PTs
- Proposed Large PTs
- Streams
- Sub-Catchment-PTs
- Catchment-Large PTs
- Forest Boundary
- Range Boundary
- Division Boundary

RANGE	Proposed PTs (Priority Wise)				
	I	II	III	IV	V
Yanambail	6	13	1	40	3
					63
					5



Map showing Catchment areas of Proposed Percolation Tanks of Yanambail Range, Kinnarasani Division. The map includes a legend, a scale bar (0 to 8 Kilometers), and a table of Proposed PTs (Priority Wise) for the Yanambail range.

Beat wise Abstract of Proposed PT's – Yanambail Range

S. No.	Beat	Proposed PT's
1	BANJARA	4
2	KAREGATTU	5
3	M.VENKATAPURAM	13
4	MALLARAM	3
5	MAMILLAVAI-N	1
6	MAMILLAVAI-S	25
7	MANDRIKALAPADU-C	3
8	MANDRIKALAPADU-E	4
9	MONDIKATTA	1
10	REGULAGUDEM	1
11	YANAMBAIL	3
	Total	63

List of Proposed PTs – Yanambail Range

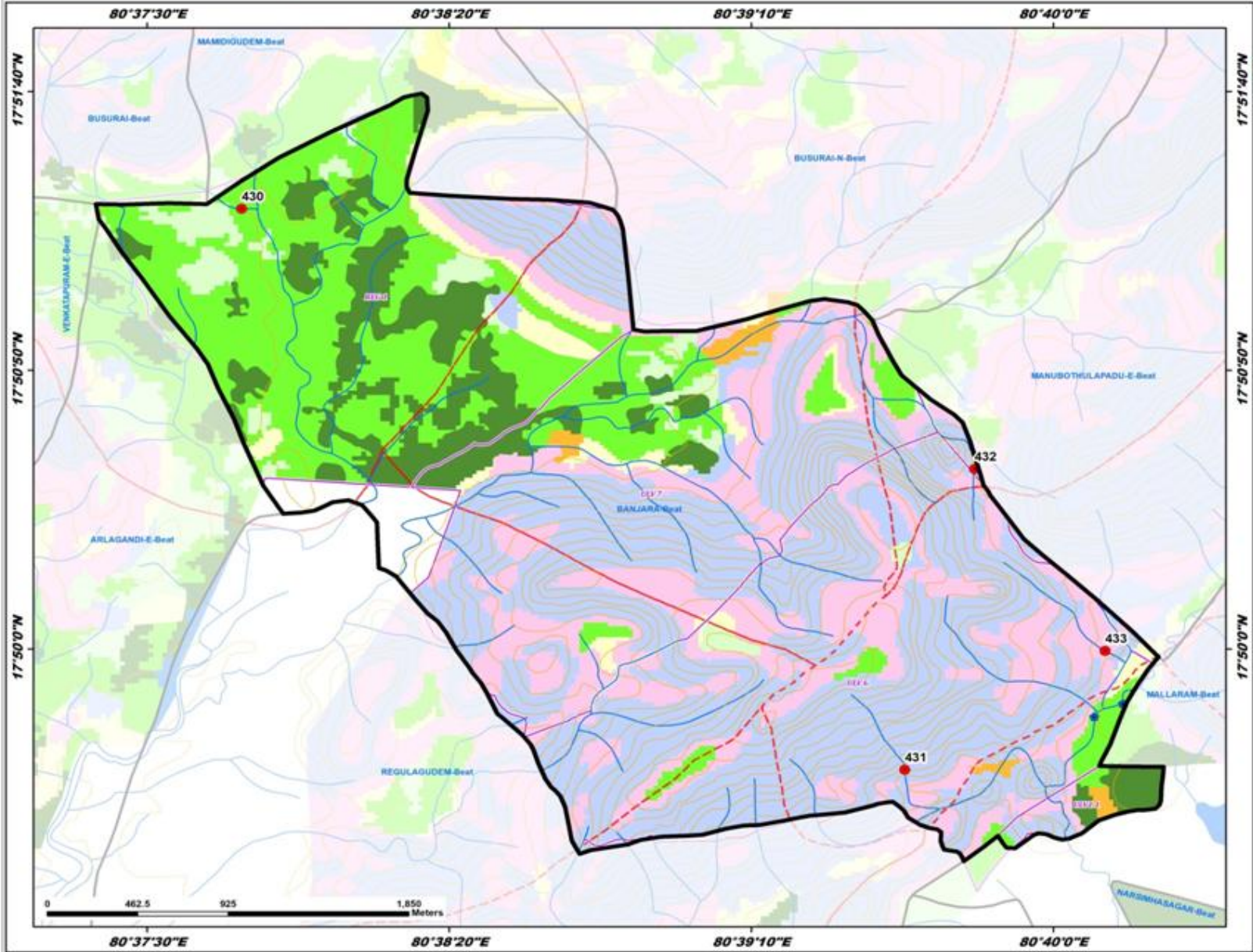
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
379	17.731149	80.709859	5.78	I	KAREGATTU
380	17.731644	80.708011	4.62	I	KAREGATTU
381	17.726619	80.698009	9.15	II	KAREGATTU
382	17.730347	80.702164	7.40	IV	KAREGATTU
383	17.728837	80.694711	13.40	IV	KAREGATTU
384	17.711866	80.733550	11.13	I	M.VENKATAPURAM
385	17.736270	80.755403	22.37	II	M.VENKATAPURAM
386	17.755116	80.746614	18.99	II	M.VENKATAPURAM
387	17.699246	80.722543	8.27	II	M.VENKATAPURAM
388	17.741865	80.745855	6.05	IV	M.VENKATAPURAM
389	17.702142	80.717832	13.04	IV	M.VENKATAPURAM
390	17.727330	80.742488	5.47	IV	M.VENKATAPURAM
391	17.736361	80.747883	6.15	IV	M.VENKATAPURAM
392	17.715994	80.735186	5.31	IV	M.VENKATAPURAM
393	17.700670	80.712643	11.84	IV	M.VENKATAPURAM
394	17.722564	80.730710	4.68	IV	M.VENKATAPURAM
395	17.750676	80.745006	21.87	IV	M.VENKATAPURAM
396	17.728433	80.743058	5.62	IV	M.VENKATAPURAM
397	17.767510	80.709044	19.21	IV	MAMILLAVAI-N
398	17.724670	80.731895	4.81	I	MAMILLAVAI-S
399	17.737518	80.718009	7.63	II	MAMILLAVAI-S
400	17.738178	80.741743	6.22	II	MAMILLAVAI-S
401	17.745166	80.729214	5.70	II	MAMILLAVAI-S
402	17.735738	80.724070	7.41	II	MAMILLAVAI-S
403	17.737572	80.735559	8.41	II	MAMILLAVAI-S
404	17.739920	80.713055	5.59	IV	MAMILLAVAI-S
405	17.746527	80.730665	4.83	IV	MAMILLAVAI-S
406	17.730551	80.736405	4.74	IV	MAMILLAVAI-S
407	17.739879	80.714505	5.87	IV	MAMILLAVAI-S
408	17.736960	80.740599	6.02	IV	MAMILLAVAI-S
409	17.752812	80.729568	10.96	IV	MAMILLAVAI-S
410	17.731787	80.737980	8.67	IV	MAMILLAVAI-S
411	17.728998	80.735011	5.13	IV	MAMILLAVAI-S
412	17.750338	80.735382	12.37	IV	MAMILLAVAI-S
413	17.740956	80.727596	6.26	IV	MAMILLAVAI-S
414	17.735723	80.739476	6.08	IV	MAMILLAVAI-S
415	17.748086	80.726356	16.59	IV	MAMILLAVAI-S
416	17.751484	80.736591	9.43	IV	MAMILLAVAI-S
417	17.741636	80.733233	7.45	IV	MAMILLAVAI-S
418	17.757474	80.739002	10.54	IV	MAMILLAVAI-S

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
419	17.754095	80.739867	7.69	IV	MAMILLAVAI-S
420	17.726387	80.733163	4.85	IV	MAMILLAVAI-S
421	17.748628	80.733228	5.39	IV	MAMILLAVAI-S
422	17.741141	80.710820	38.85	V	MAMILLAVAI-S
423	17.725236	80.673818	4.71	I	MANDRIKALAPADU-C
424	17.731810	80.694279	8.92	IV	MANDRIKALAPADU-C
425	17.728177	80.692333	4.89	IV	MANDRIKALAPADU-C
426	17.741239	80.681715	8.96	IV	MANDRIKALAPADU-E
427	17.745810	80.681654	6.87	IV	MANDRIKALAPADU-E
428	17.772634	80.695090	9.10	IV	MANDRIKALAPADU-E
429	17.747834	80.679867	28.43	V	MANDRIKALAPADU-E
430	17.855280	80.629351	10.26	II	BANJARA
431	17.827336	80.659846	15.45	IV	BANJARA
432	17.842313	80.663048	24.03	IV	BANJARA
433	17.833253	80.669049	25.20	V	BANJARA
434	17.829782	80.688870	8.85	IV	MALLARAM
435	17.838961	80.693782	6.90	IV	MALLARAM
436	17.830664	80.699433	14.00	IV	MALLARAM
437	17.824532	80.659941	45.18	III	REGULAGUDEM
438	17.710041	80.670454	13.88	II	MONDIKATTA
439	17.701353	80.659467	6.76	I	YANAMBAIL
440	17.708063	80.660849	8.47	II	YANAMBAIL
441	17.706141	80.658408	6.35	II	YANAMBAIL

Map Showing Suitability index for Construction of SMC Works of Banjara Beat



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
430	17.855280	80.629351	10.26	II
431	17.827336	80.659846	15.45	IV
432	17.842313	80.663048	24.03	IV
433	17.833253	80.669049	25.20	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- Beat Boundary
- Division Boundary

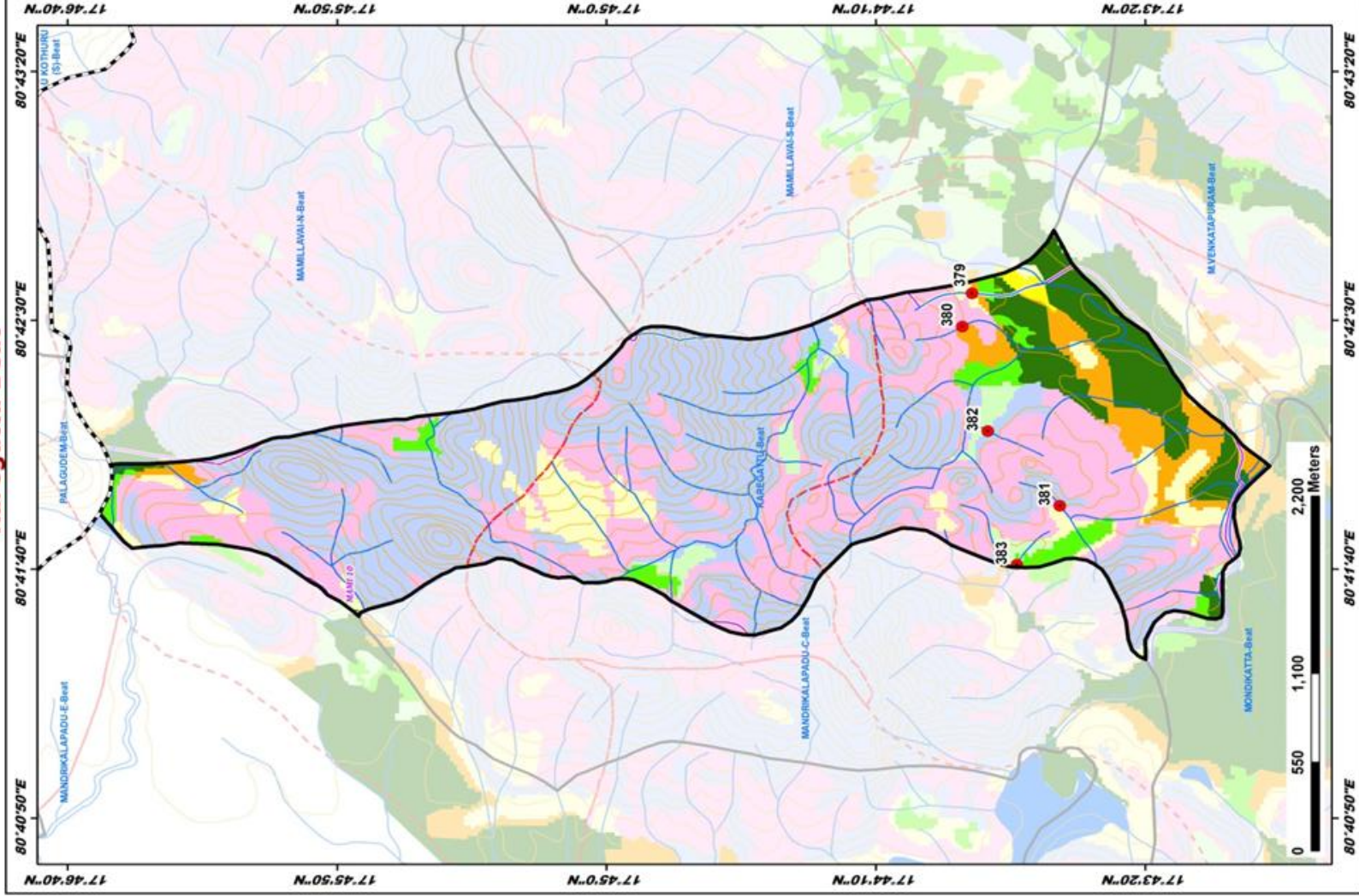
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Karegattu Beat



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
379	17.73149	80.70859	5.78	I
380	17.73164	80.70811	4.62	I
381	17.72619	80.69809	9.15	II
382	17.73047	80.70264	7.40	IV
383	17.72837	80.69471	11.40	IV

Legend

- Proposed PTs (Red dot)
- Existing CD/PTs (Blue dot)
- Contours (Thin grey line)
- Streams (Blue line)
- Watershed Boundary (Dashed red line)
- Compartment Boundary (Dashed pink line)
- Beat Boundary (Thick black line)
- Division Boundary (Dashed black line)

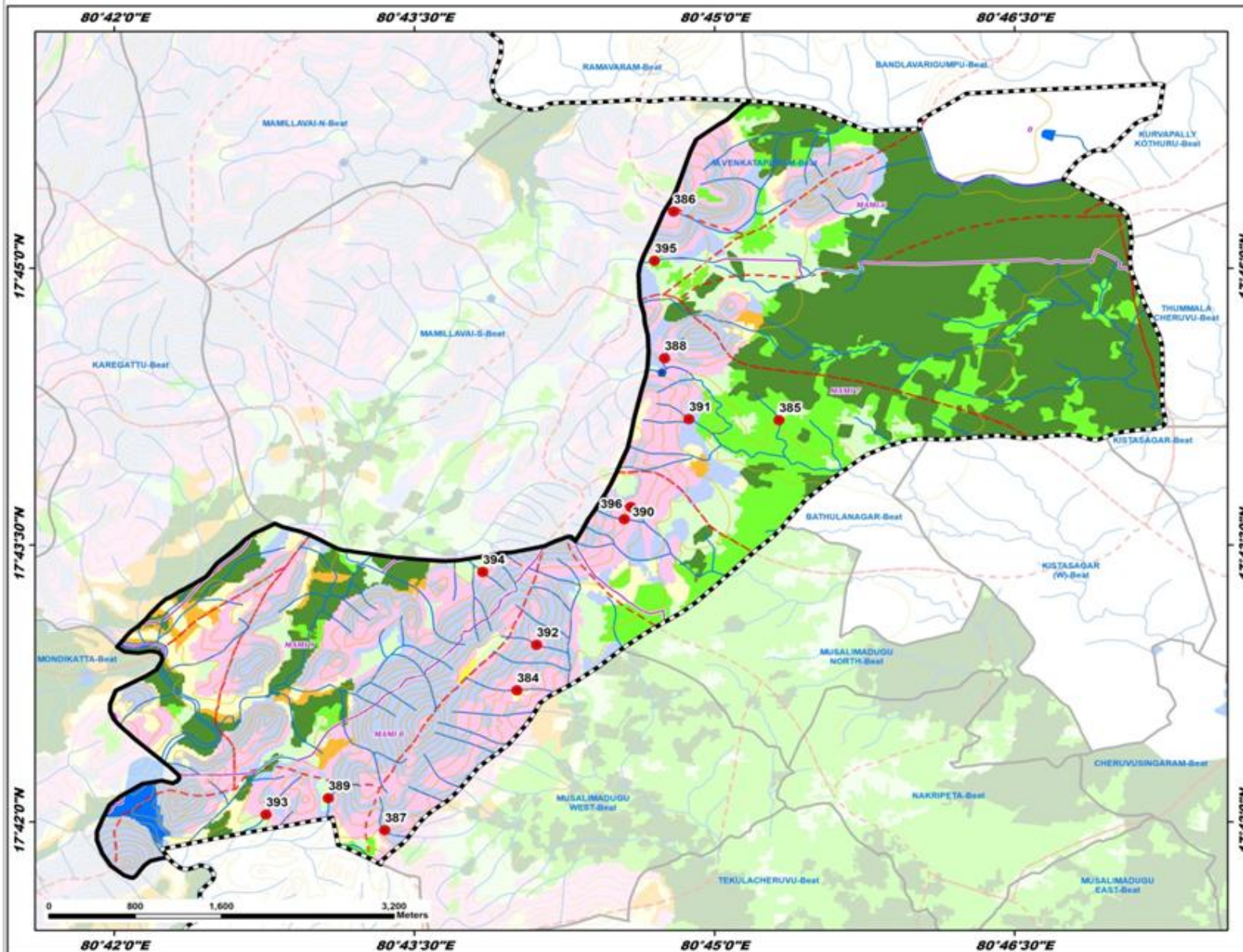
Suitability Index

- CCT/ISCT's - Highly Suitable (Orange)
- CCT/ISCT's - Moderately Suitable (Yellow)
- CCT/ISCT's - Least Suitable (Light Green)
- PT's - Highly Suitable (Dark Green)
- PT's - Moderately Suitable (Light Green)
- PT's - Least Suitable (Pink)
- MP/IS/SGP's - Suitable (Light Blue)
- Not Suitable (White)
- Water Bodies (Blue)

Map Showing Suitability index for Construction of SMC Works of M. Venkatapuram Beat



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
384	17.713866	80.733550	11.13	I
385	17.736270	80.755403	22.37	II
386	17.755116	80.746614	18.99	II
387	17.695346	80.722543	8.27	II
388	17.742865	80.745855	6.05	IV
389	17.702542	80.717832	13.04	IV
390	17.727330	80.742488	5.47	IV
391	17.736361	80.747883	6.15	IV
392	17.715994	80.735186	5.31	IV
393	17.700670	80.732643	11.84	IV
394	17.722564	80.730710	4.68	IV
395	17.750676	80.745006	21.87	IV
396	17.728433	80.743058	5.62	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

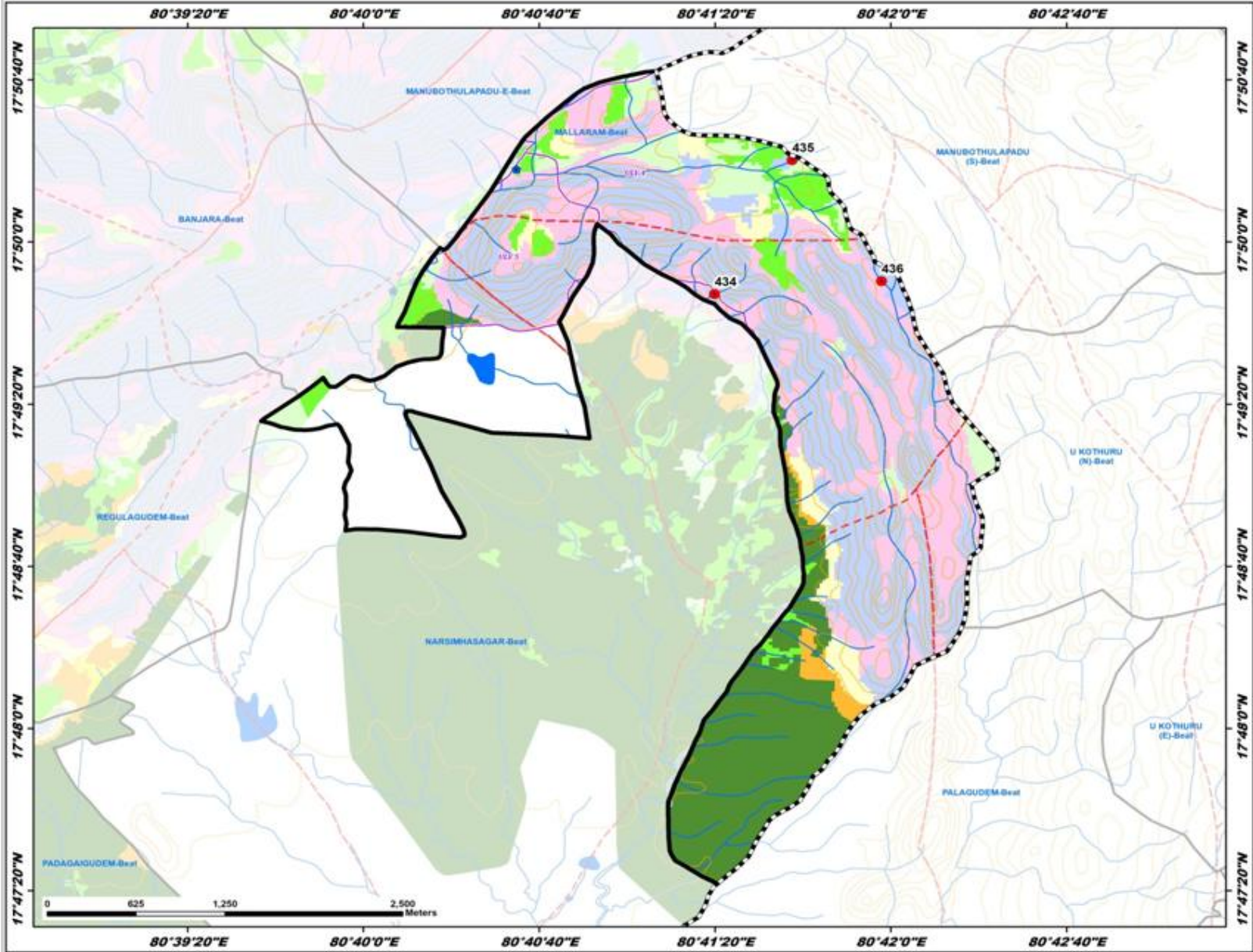
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Mallaram Beat



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
434	17.829782	80.688870	8.85	IV
435	17.838961	80.693782	6.90	IV
436	17.830664	80.699433	14.00	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

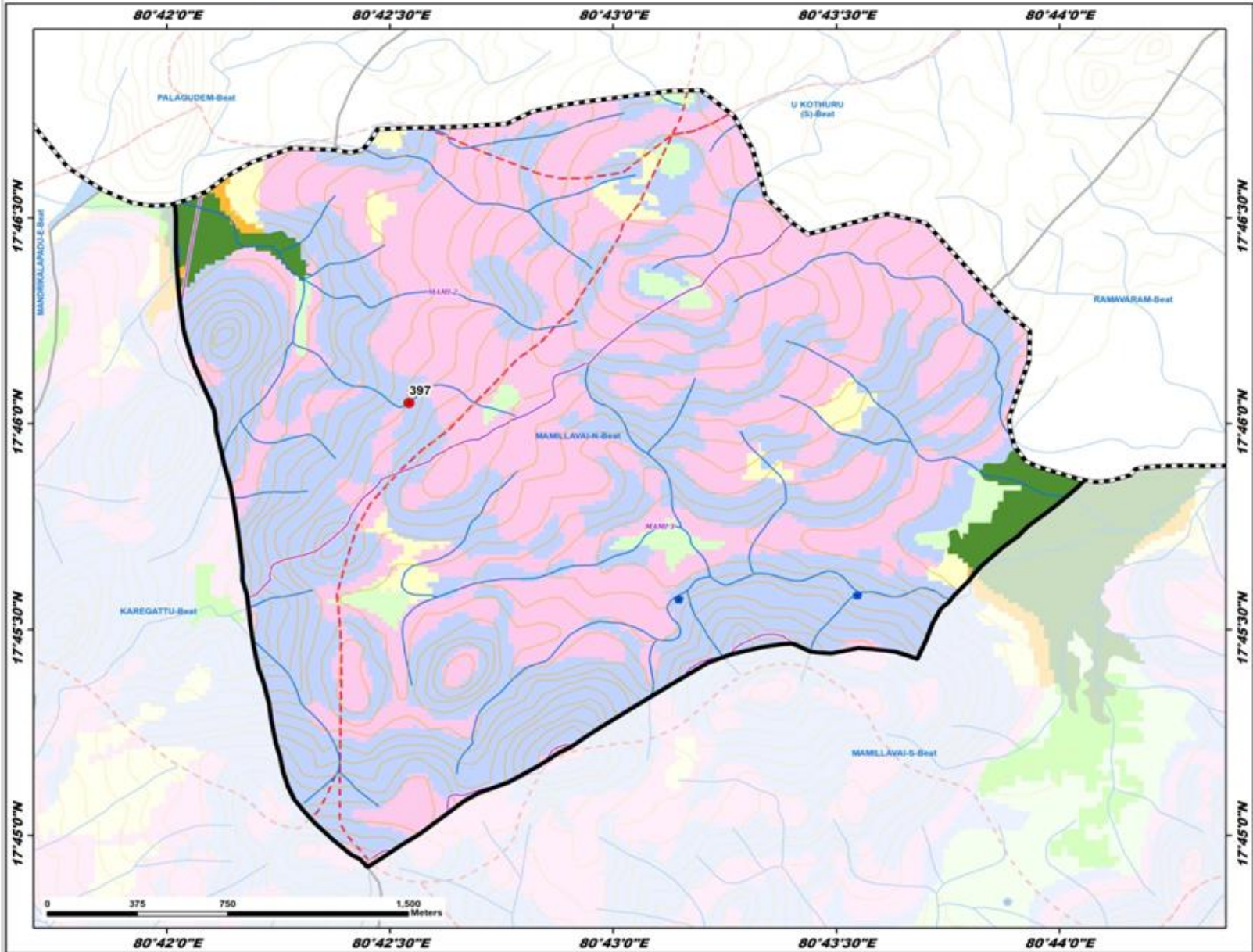
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Mamillavai North



Division : Kinnerasani
Range : Yanambail



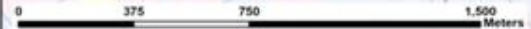
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
397	17.767510	80.709044	19.21	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

Suitability Index

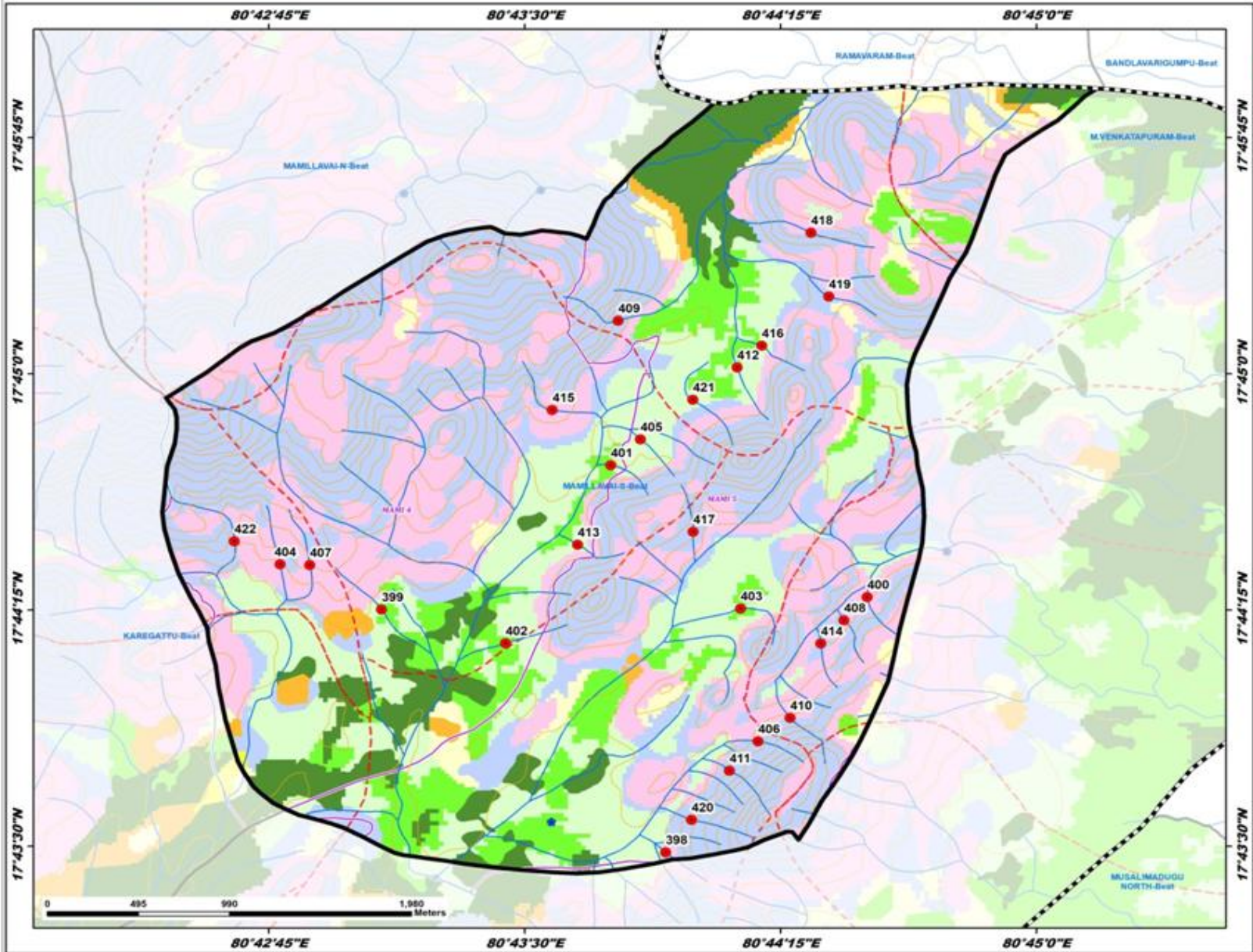
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Mamillavai South



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha.	PRIORITY
398	17.724670	80.731895	4.81	I
399	17.737518	80.738009	7.63	II
400	17.738178	80.741743	6.22	II
401	17.745166	80.729214	5.70	II
402	17.735738	80.724070	7.41	II
403	17.737572	80.735559	8.41	II
404	17.739920	80.713055	5.59	IV
405	17.746527	80.730665	4.83	IV
406	17.730551	80.736405	4.74	IV
407	17.739879	80.714505	5.87	IV
408	17.736960	80.740599	6.02	IV
409	17.752812	80.729568	10.96	IV
410	17.731787	80.737980	8.67	IV
411	17.728998	80.735011	5.13	IV
412	17.750338	80.735382	12.37	IV
413	17.740956	80.727596	6.26	IV
414	17.725723	80.739476	6.08	IV
415	17.748086	80.726356	16.59	IV
416	17.751484	80.736591	9.43	IV
417	17.741636	80.733233	7.45	IV
418	17.757474	80.739002	10.54	IV
419	17.754095	80.739867	7.69	IV
420	17.726387	80.733163	4.85	IV
421	17.748628	80.733228	5.35	IV
422	17.741541	80.730820	38.85	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬮ Watershed Boundary
- ⬮ Compartment Boundary
- ⬮ Beat Boundary
- ⬮ Division Boundary

Suitability Index

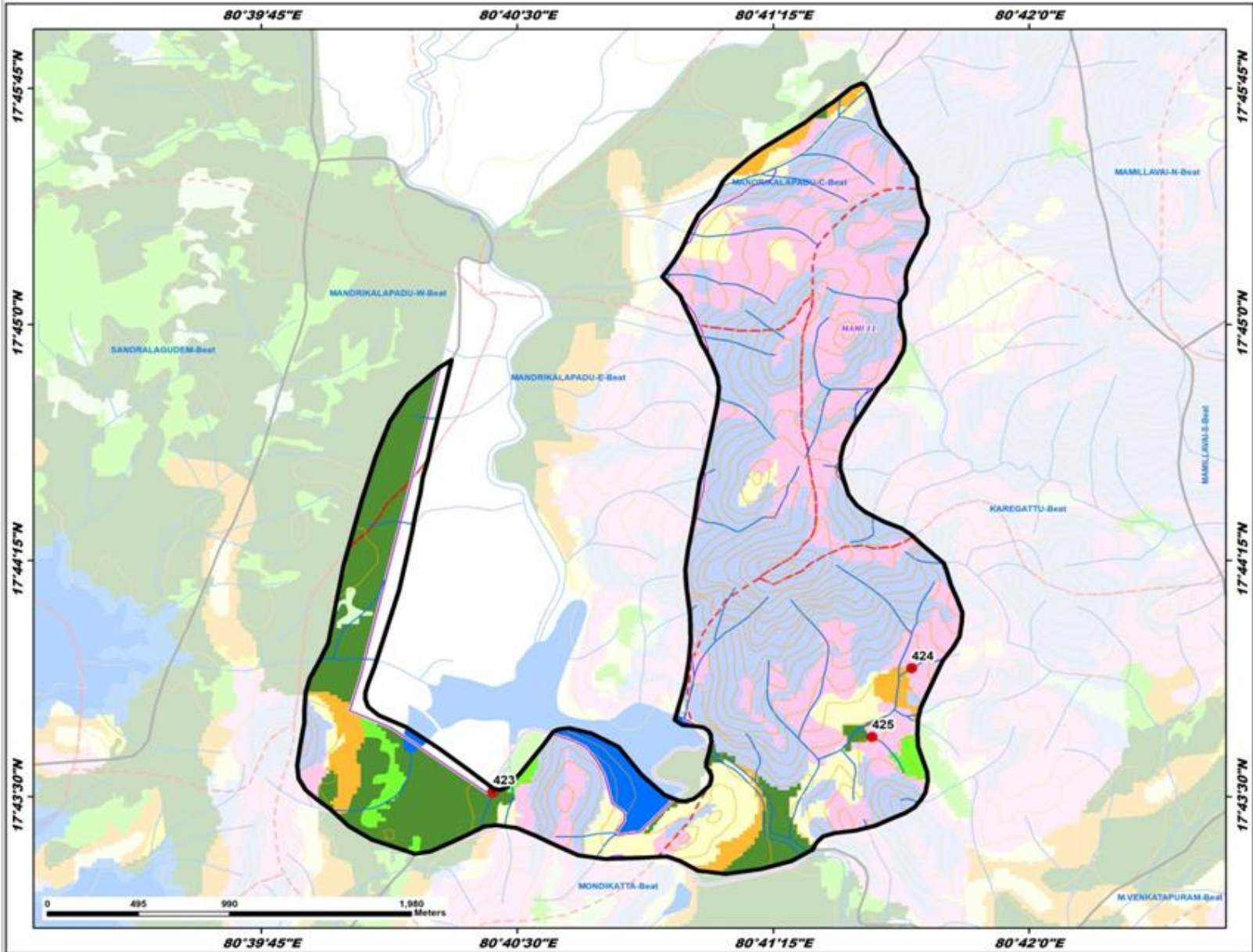
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Mandrikalapadu - C Beat



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
423	17.725236	80.673818	4.71	I
424	17.731810	80.694279	8.92	IV
425	17.728177	80.692333	4.89	IV

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

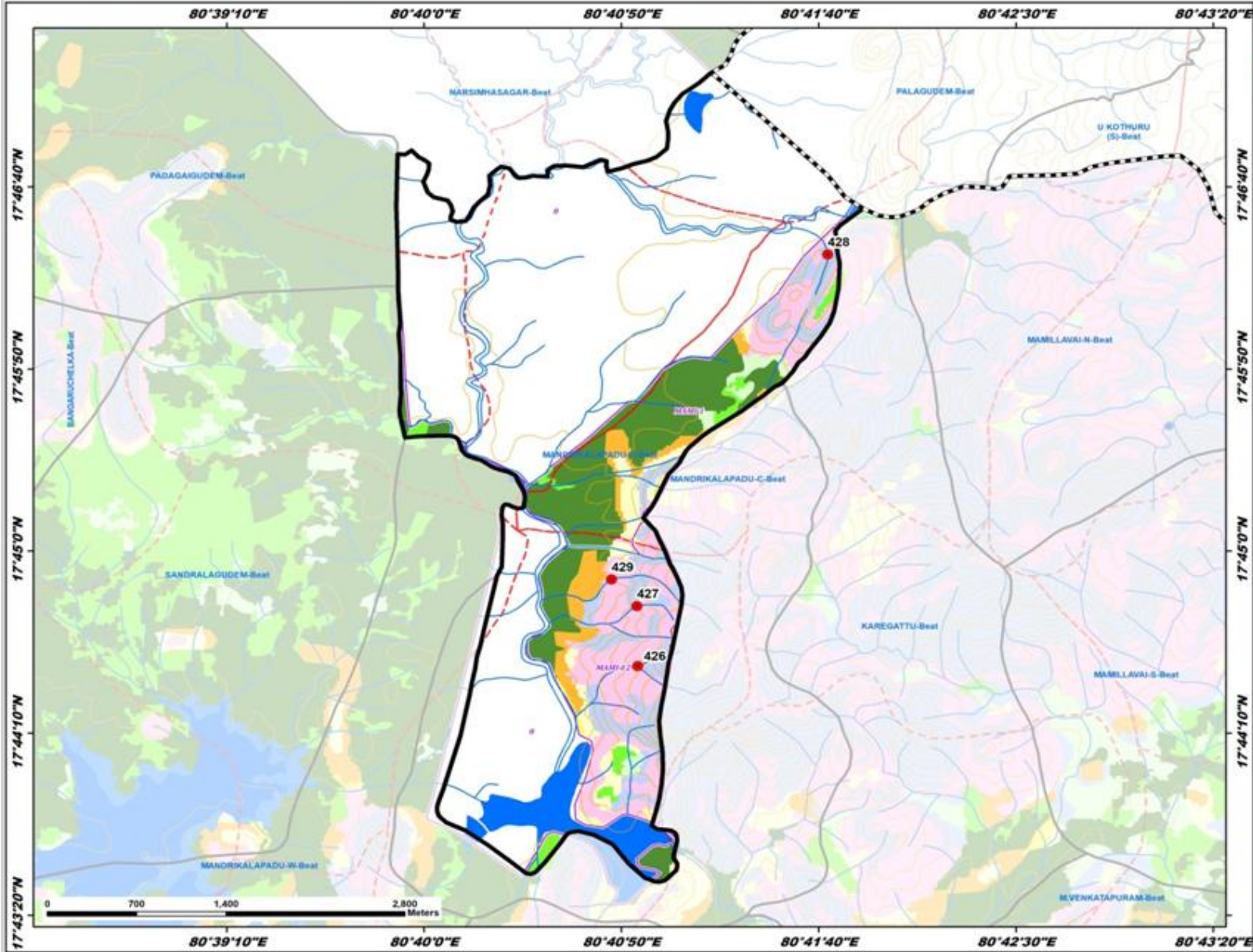
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Mandrikalapadu - E Beat



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
426	17.743239	80.681715	8.96	IV
427	17.745810	80.681654	6.87	IV
428	17.772634	80.695090	9.10	IV
429	17.747834	80.679867	28.43	V

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

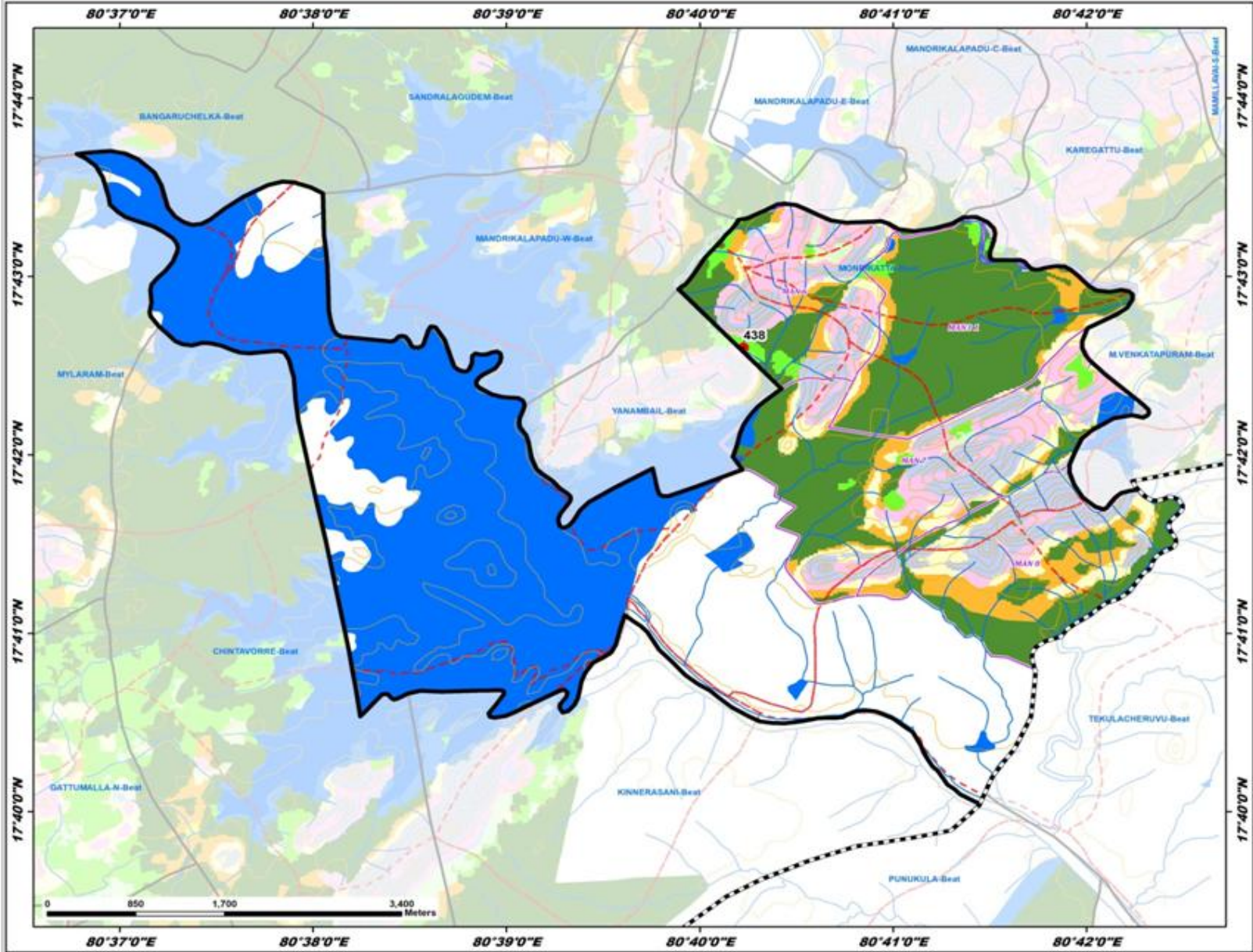
Suitability Index

- Orange: CCTs/SCTs - Highly Suitable
- Yellow: CCTs/SCTs - Moderately Suitable
- Light Green: CCTs/SCTs - Least Suitable
- Dark Green: PTs - Highly Suitable
- Medium Green: PTs - Moderately Suitable
- Light Green: PTs - Least Suitable
- Pink: MPTs and SGPs - Suitable
- Light Blue: Not Suitable
- Dark Blue: Water Body

Map Showing Suitability index for Construction of SMC Works of Mondikatta Beat



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
438	17.710041	80.670454	11.88	II

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

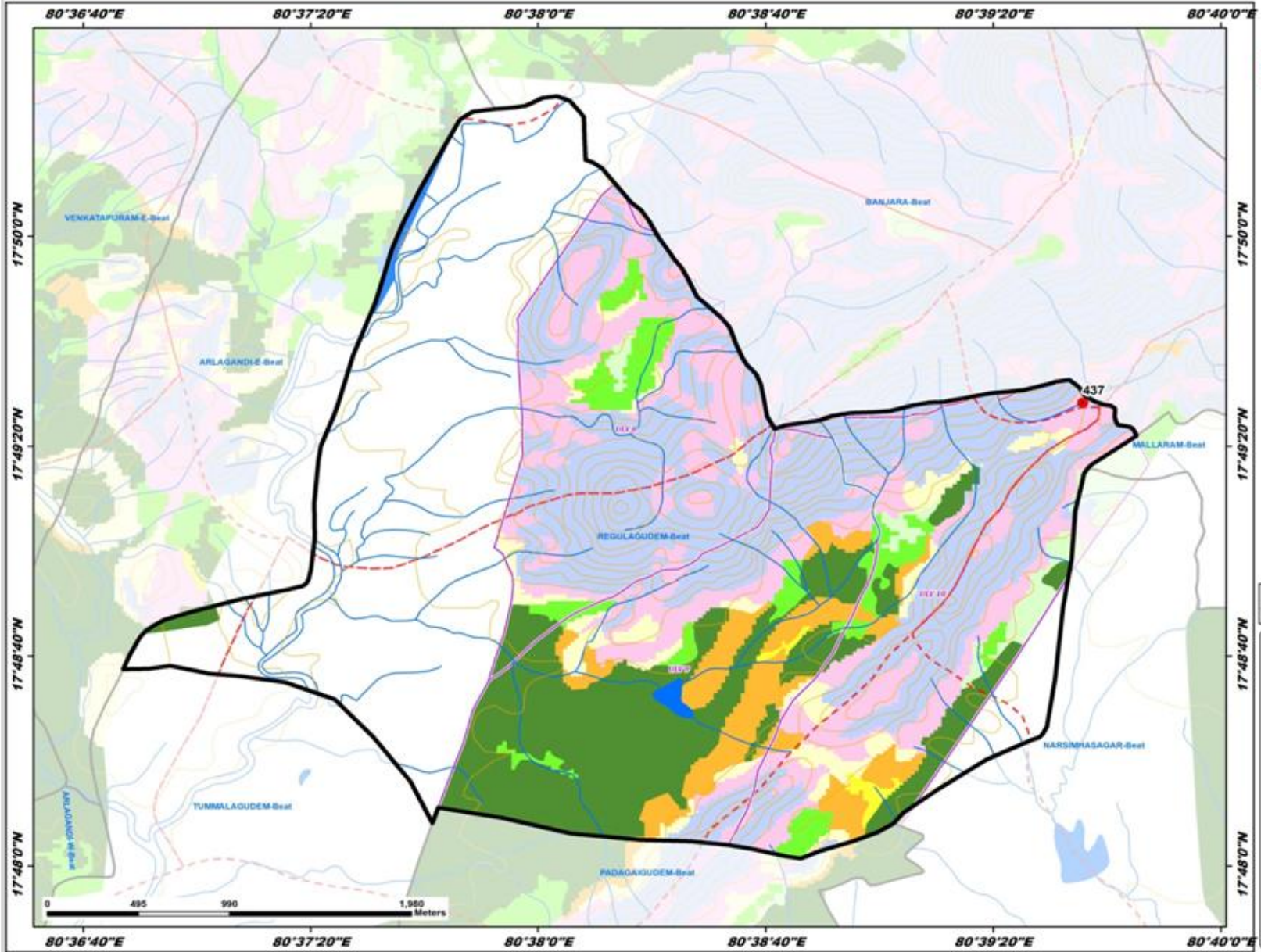
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability index for Construction of SMC Works of Regulagudem Beat



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
437	17.824532	80.659941	45.18	III

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- - - Beat Boundary
- - - Division Boundary

Suitability Index

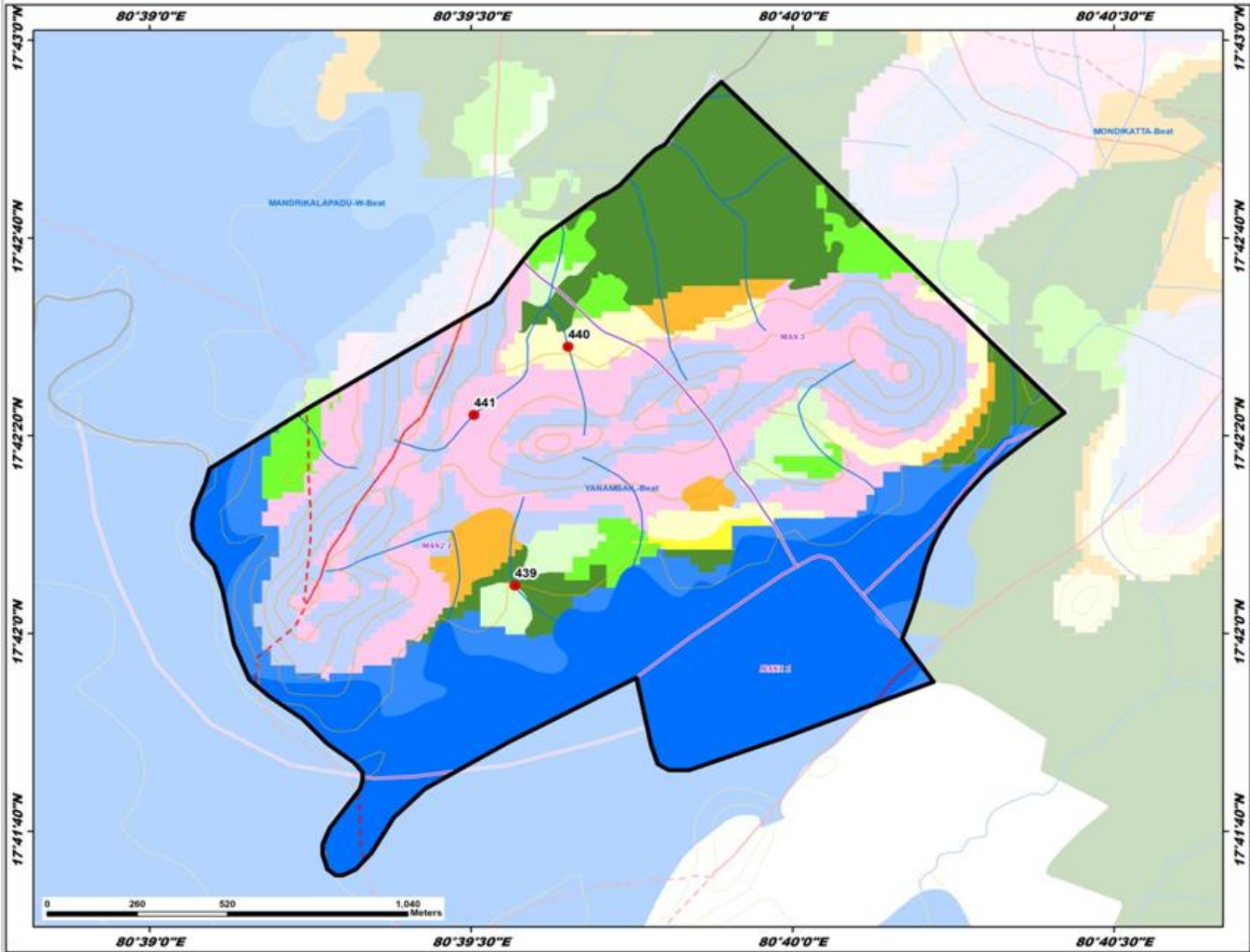
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability index for Construction of SMC Works of Yanambail Beat



Division : Kinnerasani
Range : Yanambail



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
439	17.701353	80.659467	6.76	I
440	17.708063	80.660849	8.47	II
441	17.706141	80.658408	6.35	II

LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ⬮ Watershed Boundary
- ⬮ Compartment Boundary
- ⬮ Beat Boundary
- ⬮ Division Boundary

Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body