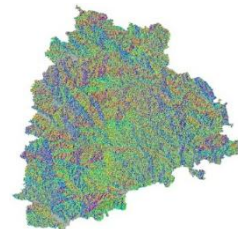
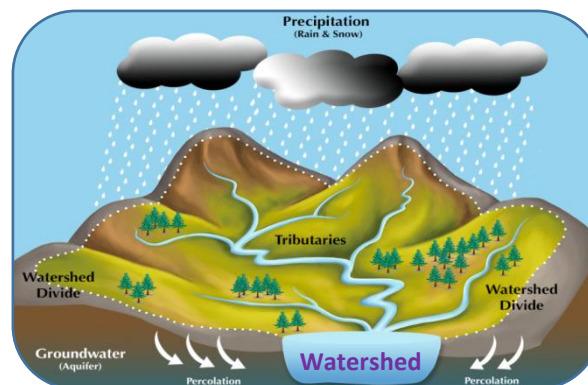


Government of Telangana – Forest Department



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



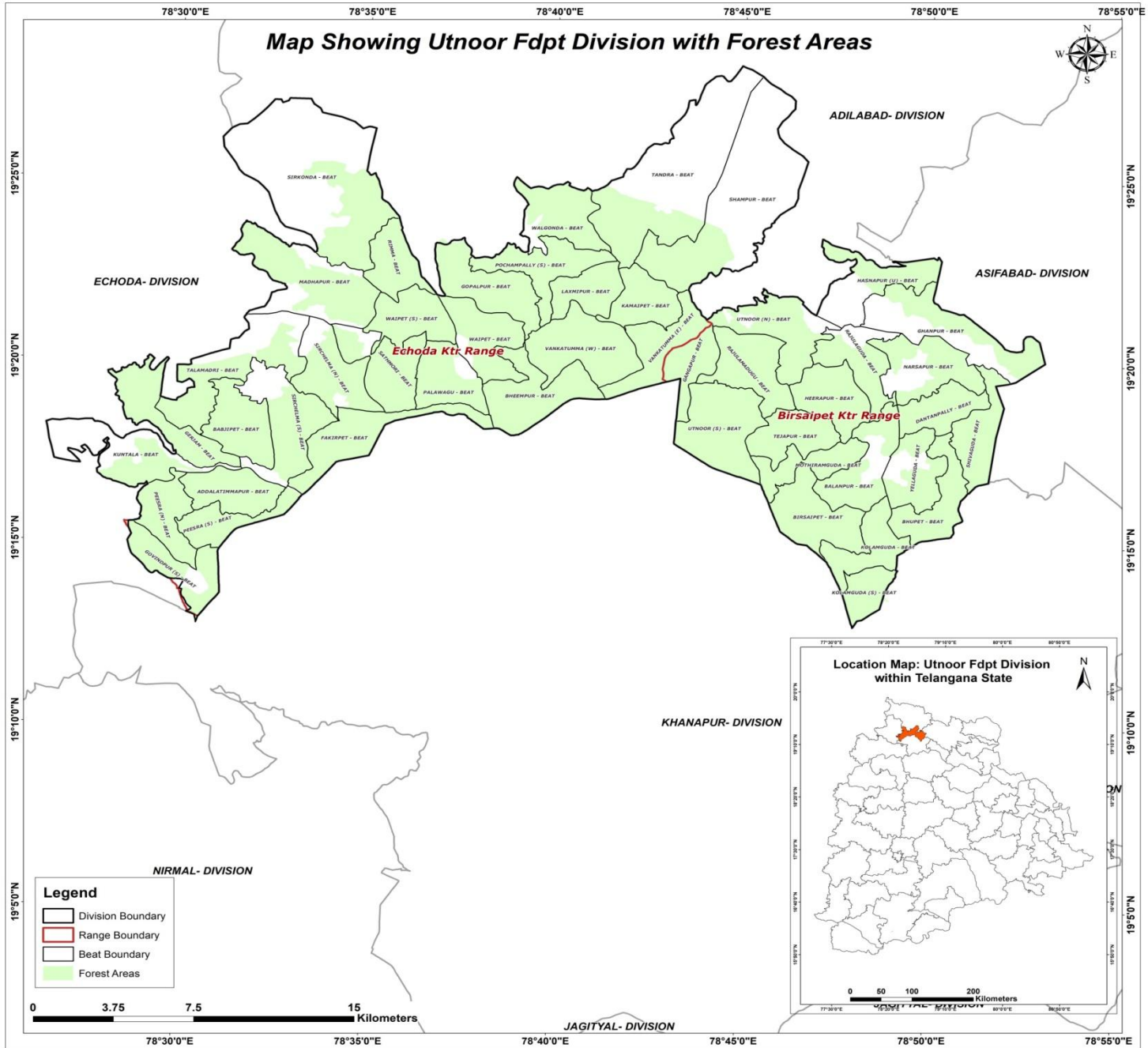
Prepared at Geomatics Centre
Office of Prl. Chief Conservator of Forests
Aranya Bhavan, Hyderabad - 04

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

Circle: Kawal TR
District: Adilabad
Division: Utrnoor FDPT

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

Map Showing Uttoor Fdpt Division with Forest Areas



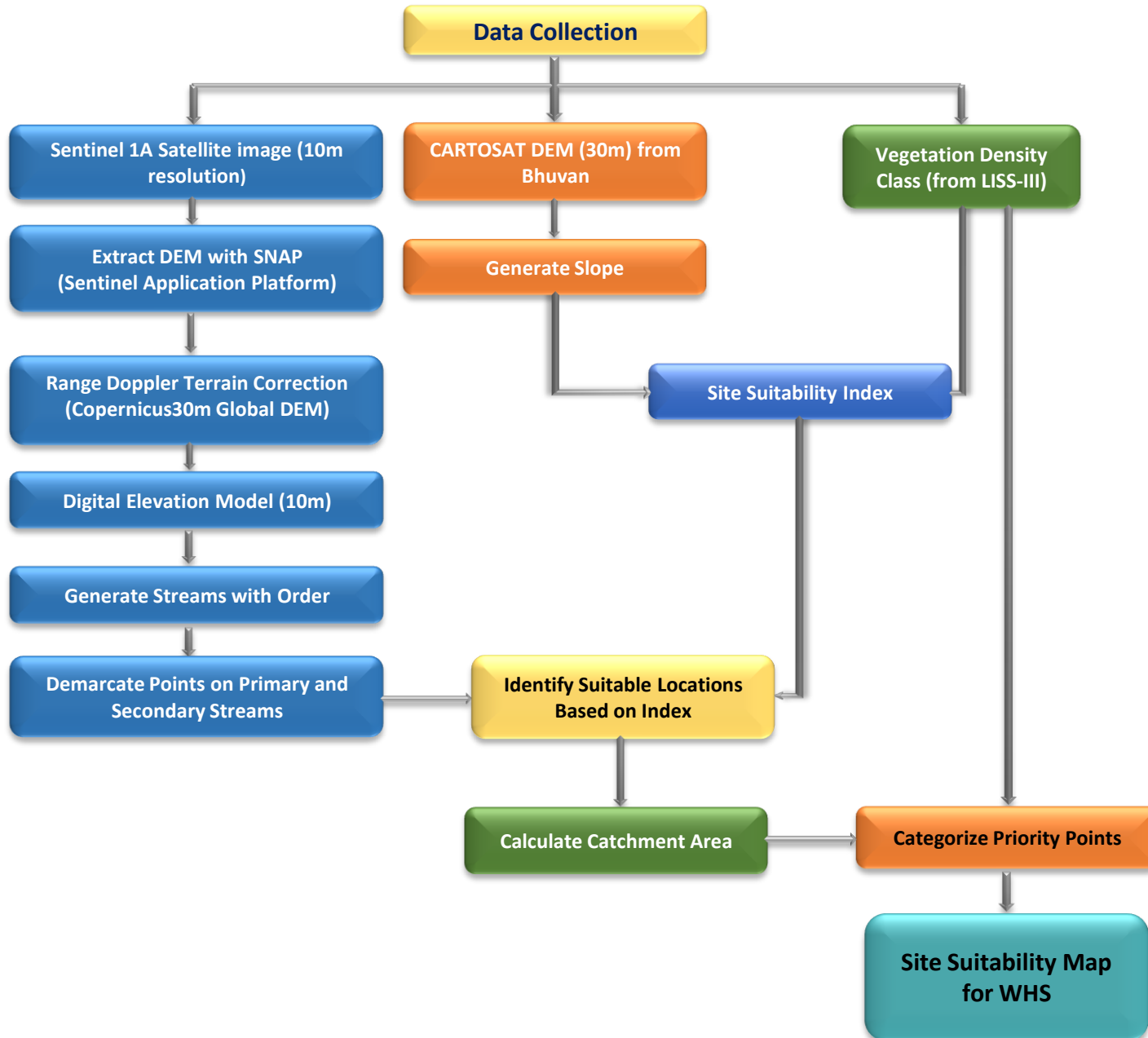
METHODOLOGY

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.



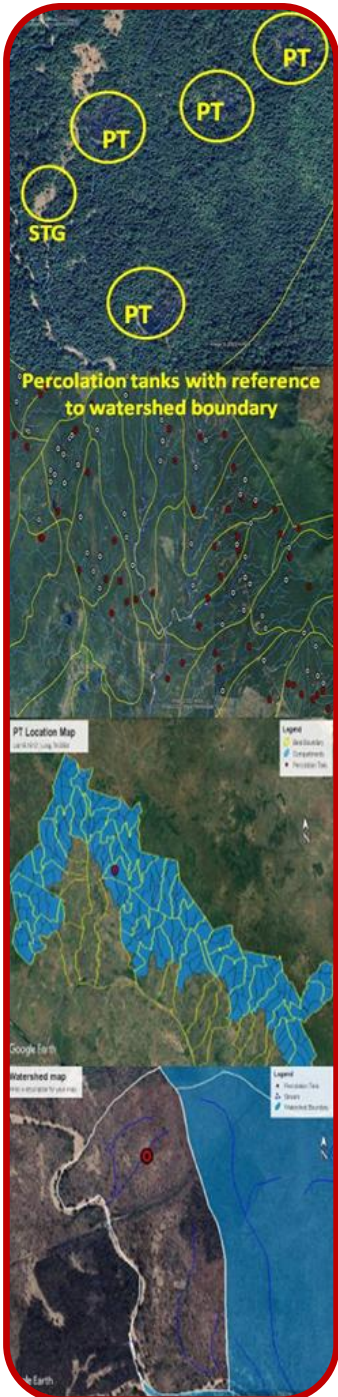
Suitability criteria for Check-Dams and Percolation Tanks (SITE SUITABILITY INDEX)

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





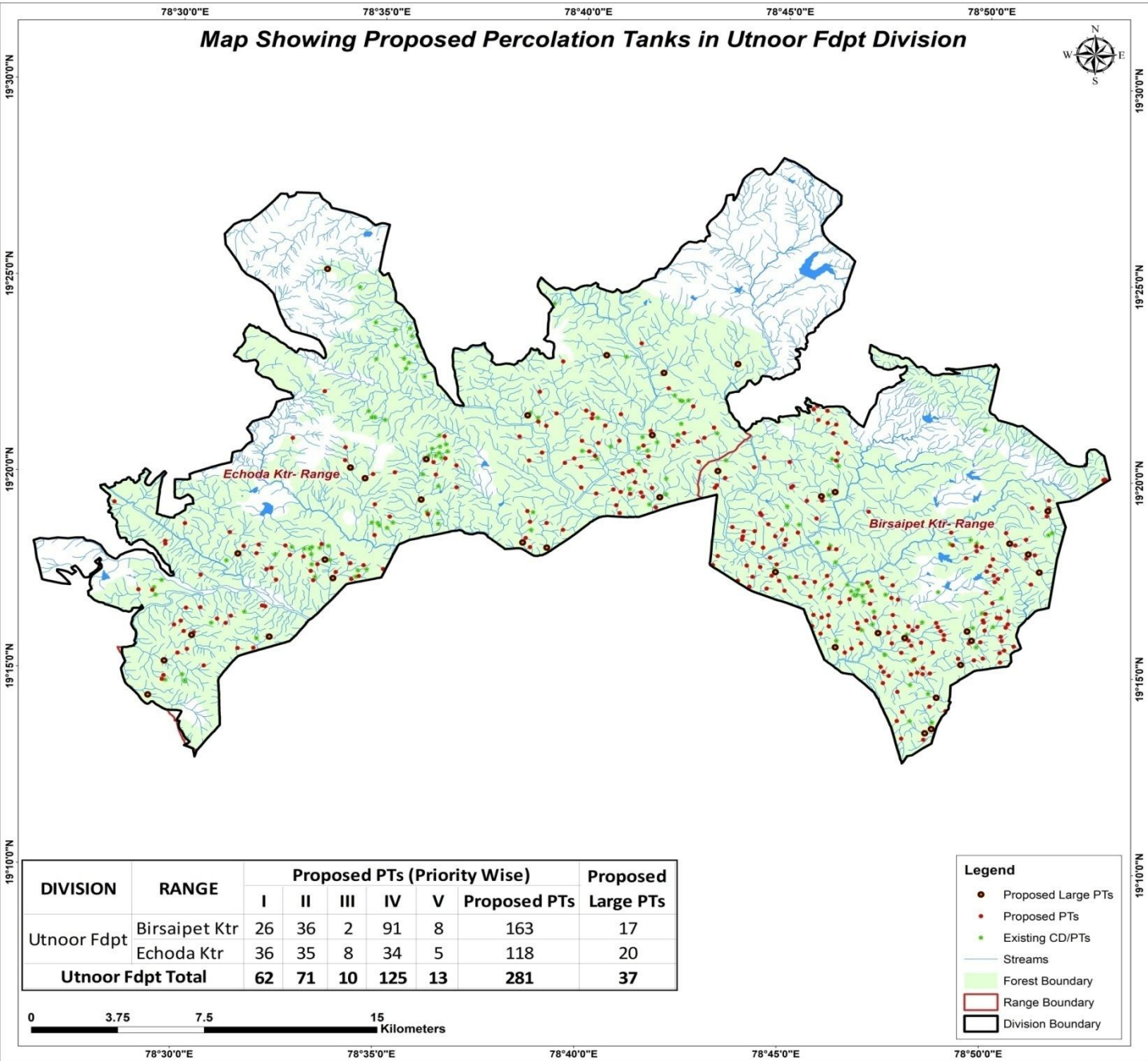
PRIORITY CLASSES FOR PERCOLATION TANK

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 Utnoor Fdpt Division

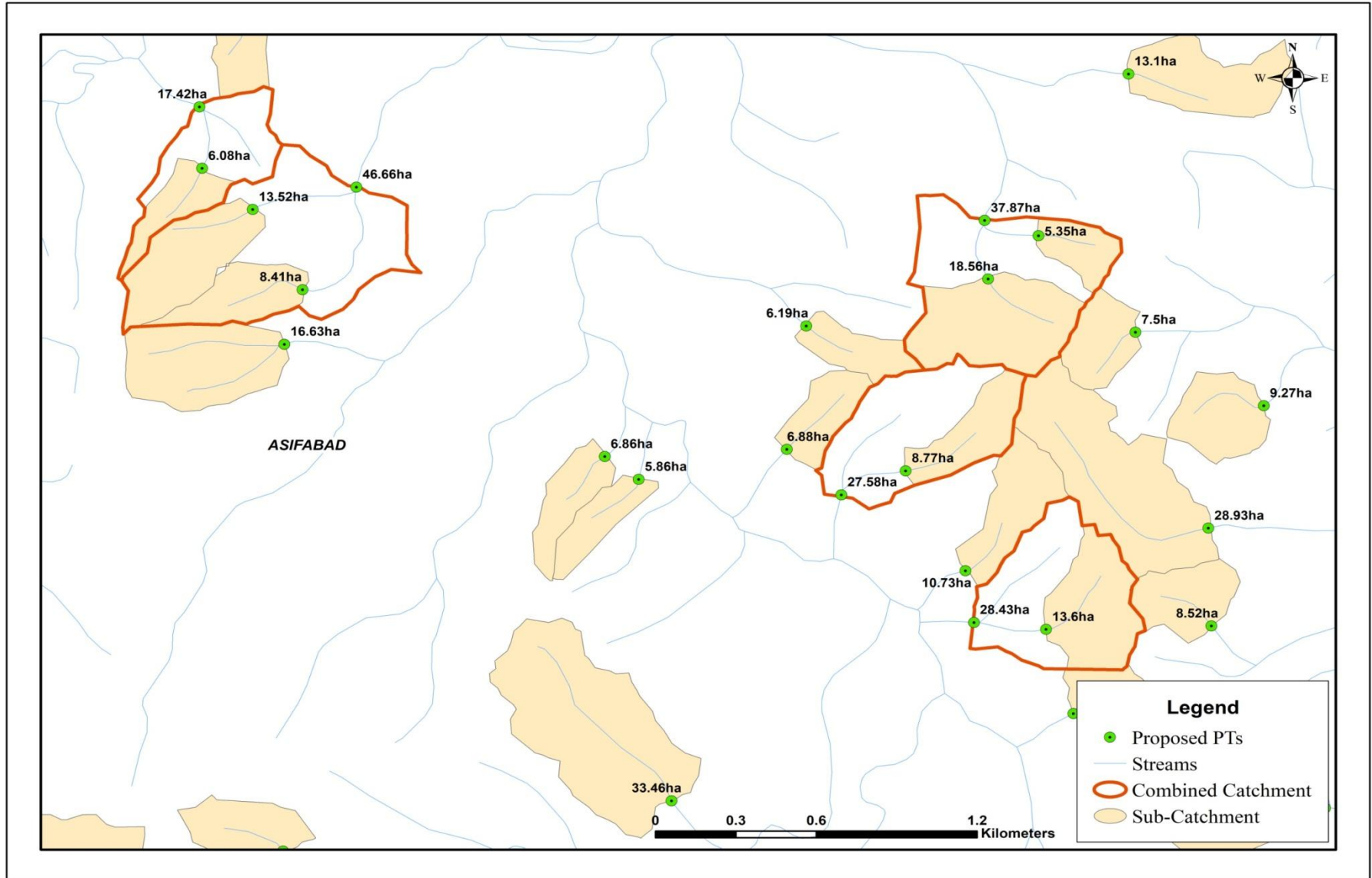


DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
		I	II	III	IV	V		
Utnoor Fdpt	Birsaipet Ktr	26	36	2	91	8	163	17
	Echoda Ktr	36	35	8	34	5	118	20
Utnoor Fdpt Total		62	71	10	125	13	281	37

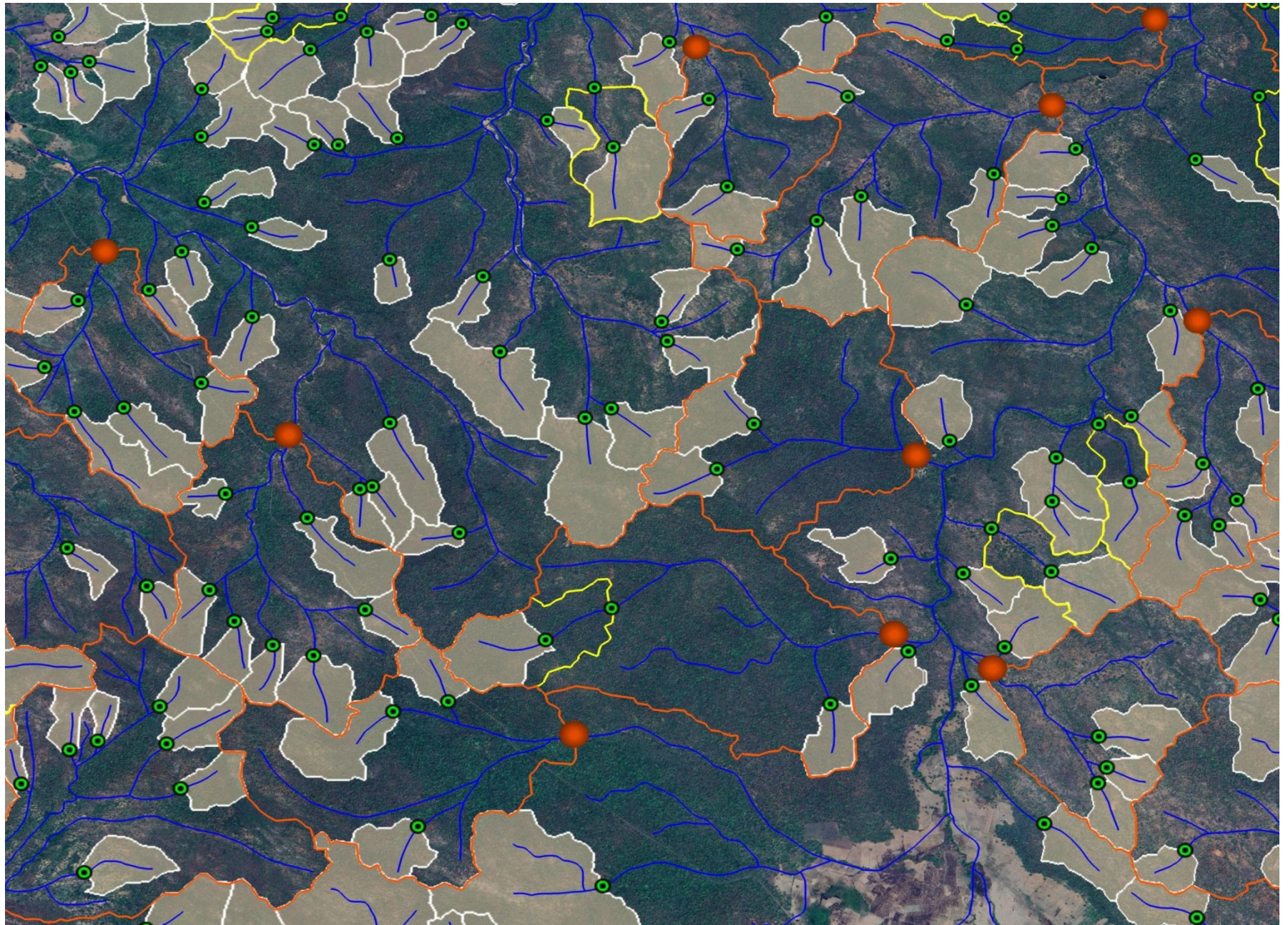
- Legend**
- Proposed Large PTs
 - Proposed PTs
 - Existing CD/PTs
 - Streams
 - Forest Boundary
 - Range Boundary
 - Division Boundary

0 3.75 7.5 15
Kilometers

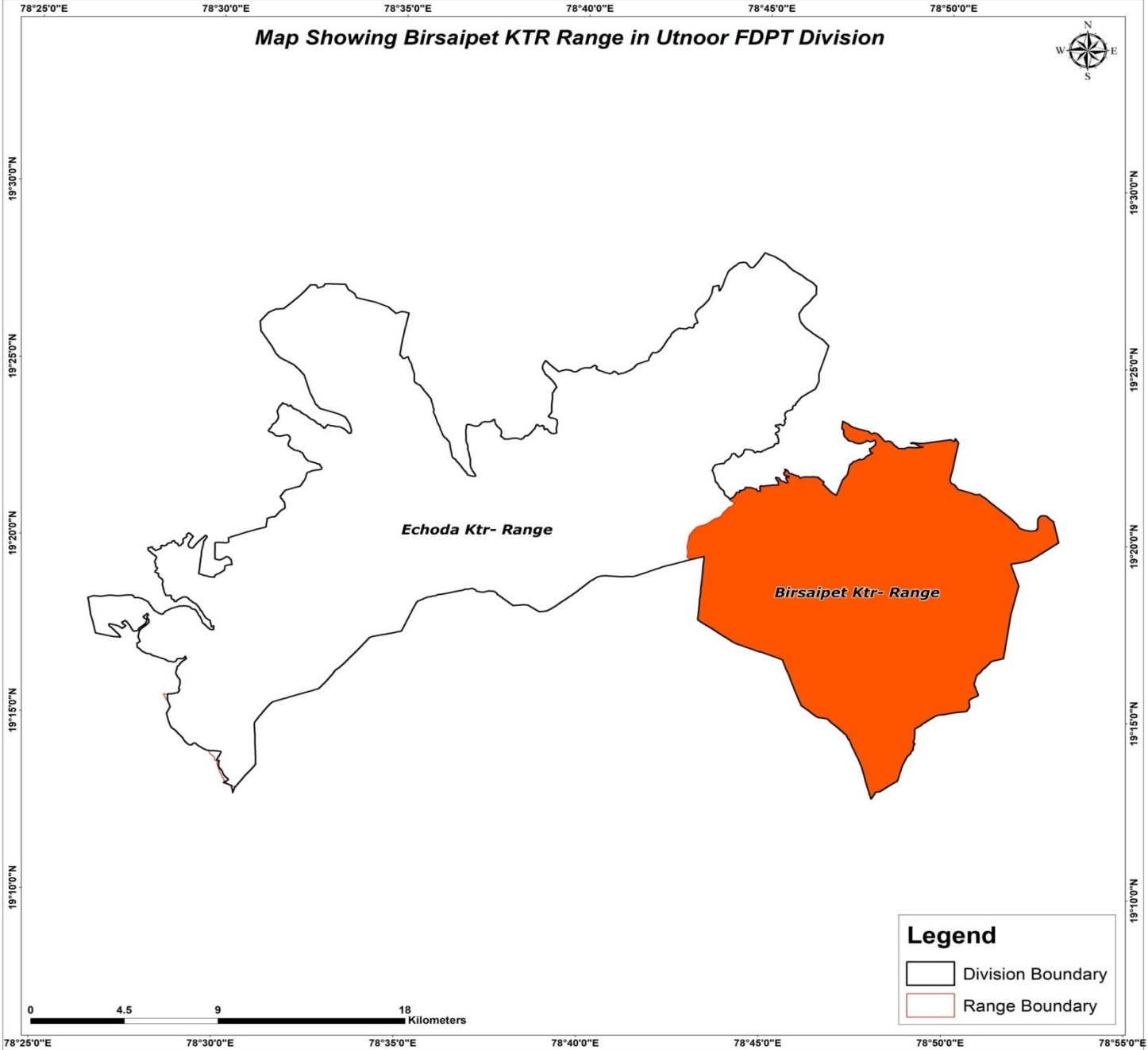
CATCHMENT AREA



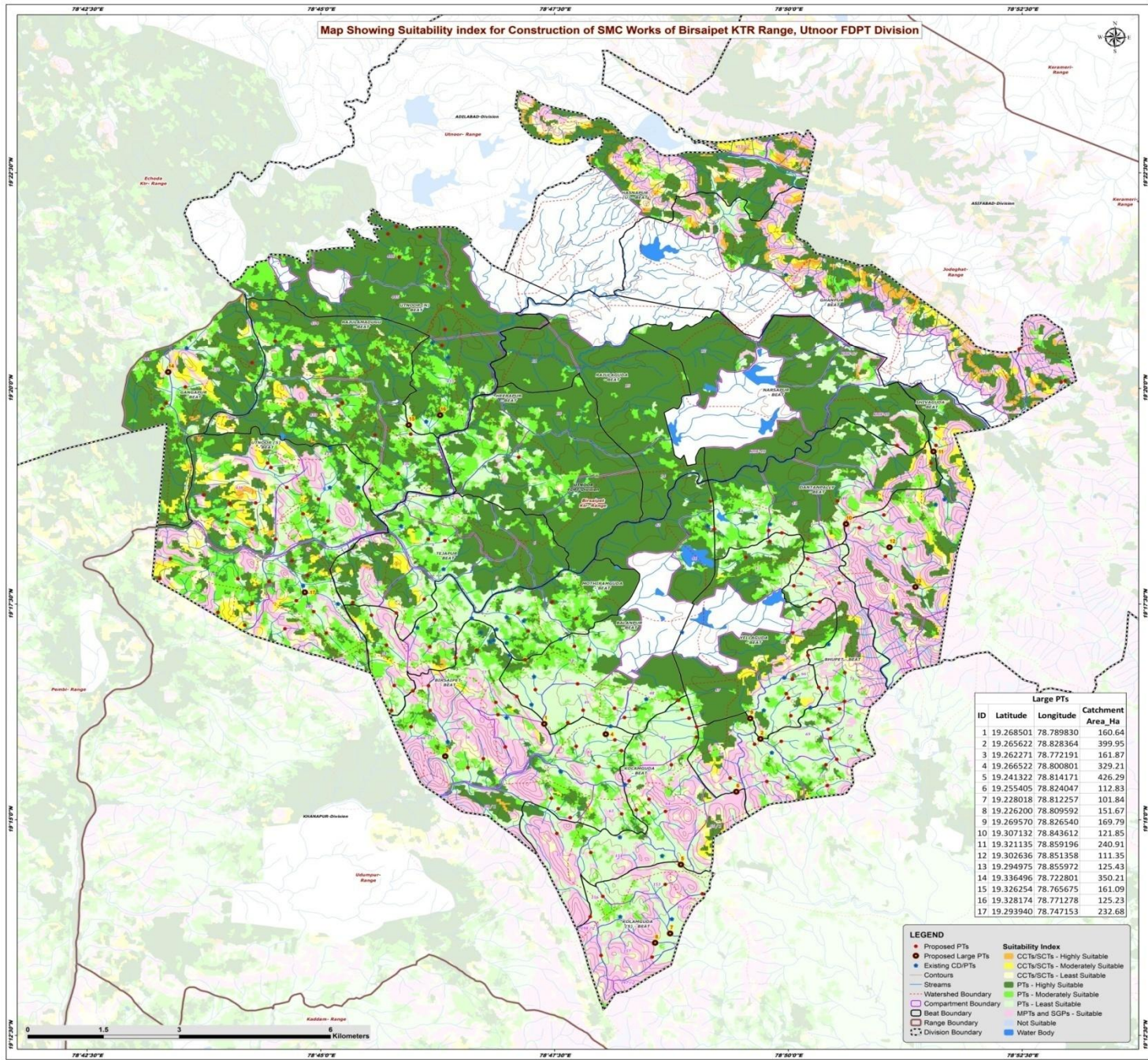
Sample Catchment Map



Map Showing Birsaipet KTR Range in Utnoor FDPT Division



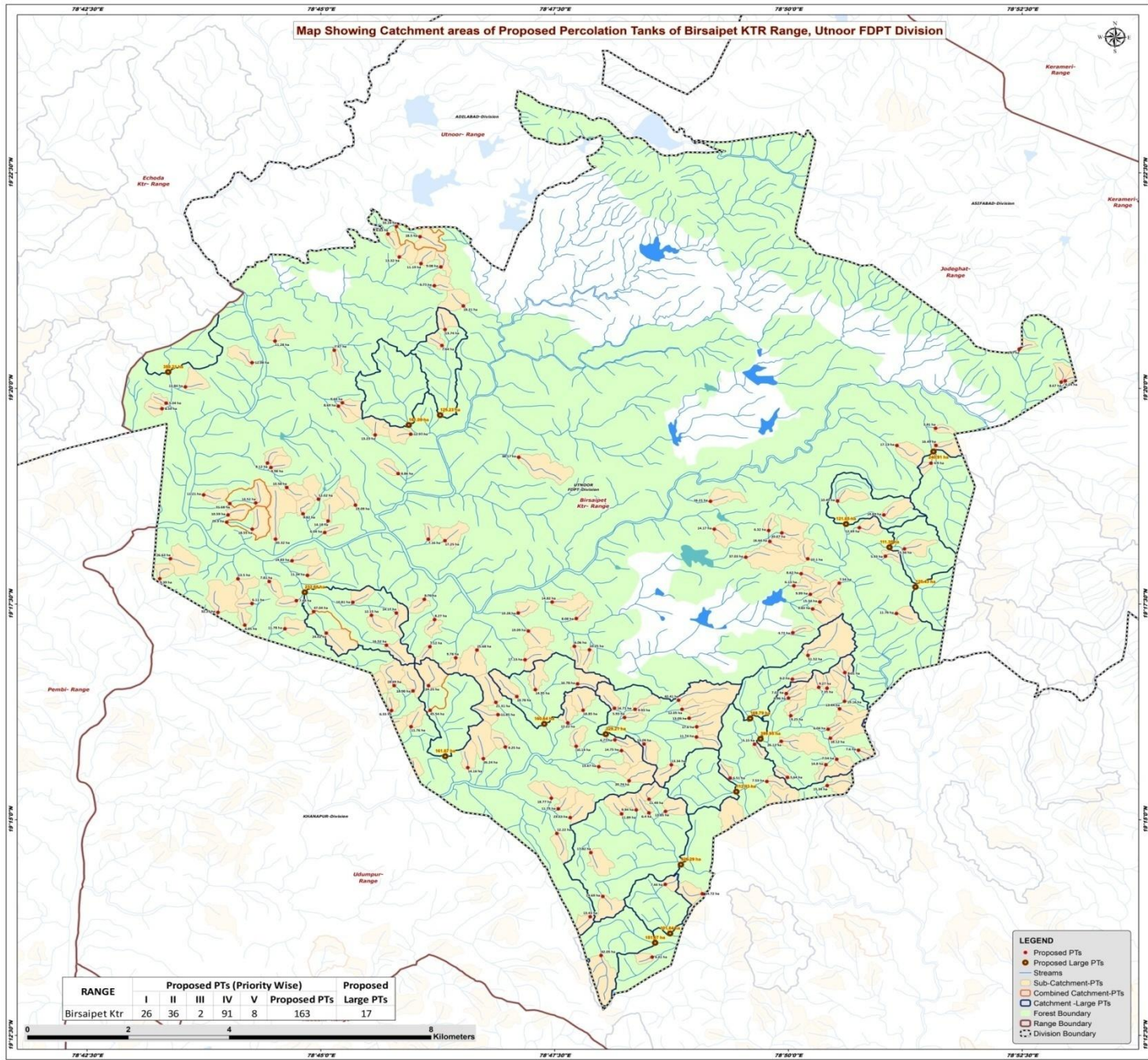
Map Showing Suitability index for Construction of SMC Works of Birsaiet KTR Range, Utnoor FDPT Division



Large Pts			
ID	Latitude	Longitude	Catchment Area, Ha
1	19.268501	78.789830	150.64
2	19.265622	78.828364	399.95
3	19.262271	78.772191	161.87
4	19.266522	78.800801	329.21
5	19.241322	78.814171	426.29
6	19.255405	78.824047	112.83
7	19.228018	78.812257	101.84
8	19.226200	78.809592	151.67
9	19.259570	78.835540	169.79
10	19.307132	78.843612	121.85
11	19.321135	78.859196	240.91
12	19.302636	78.851358	111.35
13	19.294975	78.855972	125.43
14	19.336496	78.722801	350.21
15	19.326254	78.765675	161.09
16	19.328174	78.771278	125.23
17	19.293940	78.747153	232.68

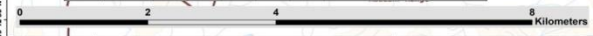
- LEGEND**
- Proposed Pts
 - Proposed Large Pts
 - Existing CD/Pts
 - Streams
 - Contours
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Range Boundary
 - Division Boundary
 - CCTs/SGTs - Highly Suitable
 - CCTs/SGTs - Moderately Suitable
 - CCTs/SGTs - Least Suitable
 - Pts - Highly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

Map Showing Catchment areas of Proposed Percolation Tanks of Birsaipet KTR Range, Utnoor FDPT Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Birsaipet Ktr	26	36	2	91	8	163
						17

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



Beat wise Abstract of Proposed PT's – Birsaipet KTR Range

S. No.	Beat	Proposed PT's
1	BALANPUR	11
2	BHUPET	22
3	BIRSAIPET	19
4	DANTANPALLY	4
5	GANGAPUR	4
6	GHANPUR	3
7	HEERAPUR	1
8	KOLAMGUDA	13
9	KOLAMGUDA_S	6
10	MOTHIRAMGUDA	12
11	NARSAPUR	1
12	RAJULAMADUGU	7
13	SHIVAGUDA	7
14	TEJAPUR	4
15	UTNOOR N	10
16	UTNOOR S	28
17	YELLAGUDA	11
	Total	163

List of Proposed PTs – BirsaiPET KTR 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	19.311524	78.819450	16.21	II	BALANPUR	41	19.260238	78.799529	13.67	IV	BIRSAIPET	81	19.283422	78.769450	7.12	IV	MOTHIRAMGUDA
2	19.282825	78.797879	10.25	II	BALANPUR	42	19.252090	78.792329	11.75	IV	BIRSAIPET	82	19.275909	78.763087	18.49	IV	MOTHIRAMGUDA
3	19.268711	78.794020	12.22	II	BALANPUR	43	19.251130	78.803615	11.89	IV	BIRSAIPET	83	19.289938	78.763475	14.17	IV	MOTHIRAMGUDA
4	19.283511	78.795195	6.06	II	BALANPUR	44	19.265425	78.802413	6.77	IV	BIRSAIPET	84	19.303758	78.830031	16.64	I	YELLAGUDA
5	19.269748	78.804119	5.93	IV	BALANPUR	45	19.270291	78.781581	11.85	IV	BIRSAIPET	85	19.300706	78.825744	37.03	II	YELLAGUDA
6	19.271528	78.802336	16.71	IV	BALANPUR	46	19.267967	78.766087	11.76	IV	BIRSAIPET	86	19.274370	78.832959	7.02	II	YELLAGUDA
7	19.273794	78.784929	18.78	IV	BALANPUR	47	19.260064	78.776202	14.16	IV	BIRSAIPET	87	19.273490	78.833337	6.96	IV	YELLAGUDA
8	19.271160	78.796767	18.85	IV	BALANPUR	48	19.254160	78.791085	18.77	IV	BIRSAIPET	88	19.286125	78.834132	4.72	IV	YELLAGUDA
9	19.271331	78.806008	9.93	IV	BALANPUR	49	19.272682	78.781205	21.31	IV	BIRSAIPET	89	19.270093	78.833762	9.25	IV	YELLAGUDA
10	19.276247	78.795777	16.78	IV	BALANPUR	50	19.275892	78.769195	24.25	IV	BIRSAIPET	90	19.277153	78.834043	6.20	IV	YELLAGUDA
11	19.275139	78.788242	14.95	IV	BALANPUR	51	19.261793	78.778971	26.24	V	BIRSAIPET	91	19.267953	78.816987	17.60	IV	YELLAGUDA
12	19.265751	78.840835	18.12	II	BHUPET	52	19.271131	78.769489	45.54	V	BIRSAIPET	92	19.292077	78.838945	15.34	IV	YELLAGUDA
13	19.258174	78.833165	5.64	II	BHUPET	53	19.265981	78.816952	11.74	II	KOLAMGUDA	93	19.305418	78.832157	20.67	IV	YELLAGUDA
14	19.278427	78.843403	8.11	IV	BHUPET	54	19.273099	78.813753	42.41	II	KOLAMGUDA	94	19.290719	78.837676	9.83	IV	YELLAGUDA
15	19.261676	78.841955	7.54	IV	BHUPET	55	19.271332	78.814390	12.05	II	KOLAMGUDA	95	19.318901	78.858767	4.90	I	DANTANPALLY
16	19.275403	78.840218	7.35	IV	BHUPET	56	19.243654	78.798138	17.82	IV	KOLAMGUDA	96	19.311585	78.842099	10.49	II	DANTANPALLY
17	19.267486	78.840418	6.04	IV	BHUPET	57	19.260602	78.812480	13.34	IV	KOLAMGUDA	97	19.306135	78.820140	14.17	IV	DANTANPALLY
18	19.271413	78.842460	13.44	IV	BHUPET	58	19.251880	78.806221	9.94	IV	KOLAMGUDA	98	19.305870	78.829819	6.32	IV	DANTANPALLY
19	19.272860	78.843332	19.16	IV	BHUPET	59	19.253960	78.808500	11.49	IV	KOLAMGUDA	99	19.320036	78.785275	38.17	V	HEERAPUR
20	19.258039	78.822957	6.51	IV	BHUPET	60	19.257524	78.804938	20.74	IV	KOLAMGUDA	100	19.322302	78.852680	17.13	IV	NARSAPUR
21	19.264589	78.827315	5.15	IV	BHUPET	61	19.251595	78.811442	13.85	IV	KOLAMGUDA	101	19.289840	78.852585	11.76	I	SHIVAGUDA
22	19.275576	78.838757	9.27	IV	BHUPET	62	19.269620	78.815651	13.09	IV	KOLAMGUDA	102	19.322315	78.859630	16.49	IV	SHIVAGUDA
23	19.260627	78.840020	14.80	IV	BHUPET	63	19.264626	78.807609	13.09	IV	KOLAMGUDA	103	19.300904	78.850634	5.93	IV	SHIVAGUDA
24	19.257392	78.829506	7.53	IV	BHUPET	64	19.251316	78.808479	6.40	IV	KOLAMGUDA	104	19.306430	78.845981	12.69	IV	SHIVAGUDA
25	19.256600	78.840257	15.34	IV	BHUPET	65	19.247333	78.792081	12.22	IV	KOLAMGUDA	105	19.325632	78.859557	5.81	IV	SHIVAGUDA
26	19.263430	78.845841	7.60	IV	BHUPET	66	19.237506	78.811406	7.44	IV	KOLAMGUDA_S	106	19.308875	78.850365	14.63	IV	SHIVAGUDA
27	19.295204	78.834311	6.13	IV	BHUPET	67	19.223455	78.809058	6.41	IV	KOLAMGUDA_S	107	19.302330	78.854026	13.36	IV	SHIVAGUDA
28	19.297532	78.835602	8.62	IV	BHUPET	68	19.235693	78.817999	14.72	IV	KOLAMGUDA_S	108	19.304205	78.769155	7.16	II	TEJAPUR
29	19.295716	78.842408	7.54	IV	BHUPET	69	19.231264	78.798008	13.43	IV	KOLAMGUDA_S	109	19.292000	78.755706	10.81	II	TEJAPUR
30	19.300407	78.836795	10.10	IV	BHUPET	70	19.235185	78.800254	19.69	IV	KOLAMGUDA_S	110	19.292585	78.768455	8.76	IV	TEJAPUR
31	19.293539	78.837249	9.99	IV	BHUPET	71	19.223766	78.799954	42.05	V	KOLAMGUDA_S	111	19.303920	78.772121	17.25	IV	TEJAPUR
32	19.265132	78.832062	26.12	V	BHUPET	72	19.288877	78.795547	8.08	I	MOTHIRAMGUDA	112	19.334795	78.882673	6.24	I	GHANPUR
33	19.281738	78.836831	51.52	V	BHUPET	73	19.292056	78.791232	14.82	I	MOTHIRAMGUDA	113	19.334562	78.881958	8.67	I	GHANPUR
34	19.274888	78.766442	18.98	II	BIRSAIPET	74	19.286460	78.787001	19.09	II	MOTHIRAMGUDA	114	19.340942	78.874486	6.47	IV	GHANPUR
35	19.263346	78.803588	14.75	II	BIRSAIPET	75	19.289945	78.785194	10.28	II	MOTHIRAMGUDA	115	19.338319	78.737747	12.08	I	GANGAPUR
36	19.282776	78.777840	25.68	II	BIRSAIPET	76	19.283711	78.761705	16.52	II	MOTHIRAMGUDA	116	19.329414	78.721704	8.59	II	GANGAPUR
37	19.250406	78.794458	23.22	IV	BIRSAIPET	77	19.271102	78.762618	6.55	II	MOTHIRAMGUDA	117	19.330489	78.722441	5.04	II	GANGAPUR
38	19.281284	78.774048	9.78	IV	BIRSAIPET	78	19.280907	78.786407	17.13	II	MOTHIRAMGUDA	118	19.333636	78.725879	13.84	IV	GANGAPUR
39	19.264194	78.795522	10.14	IV	BIRSAIPET	79	19.288664	78.770290	8.27	IV	MOTHIRAMGUDA	119	19.330555	78.753853	9.64	I	RAJULAMADUGU
40	19.264053	78.782880	9.25	IV	BIRSAIPET	80	19.289504	78.759039	12.15	IV	MOTHIRAMGUDA	120	19.324331	78.759702	13.23	I	RAJULAMADUGU

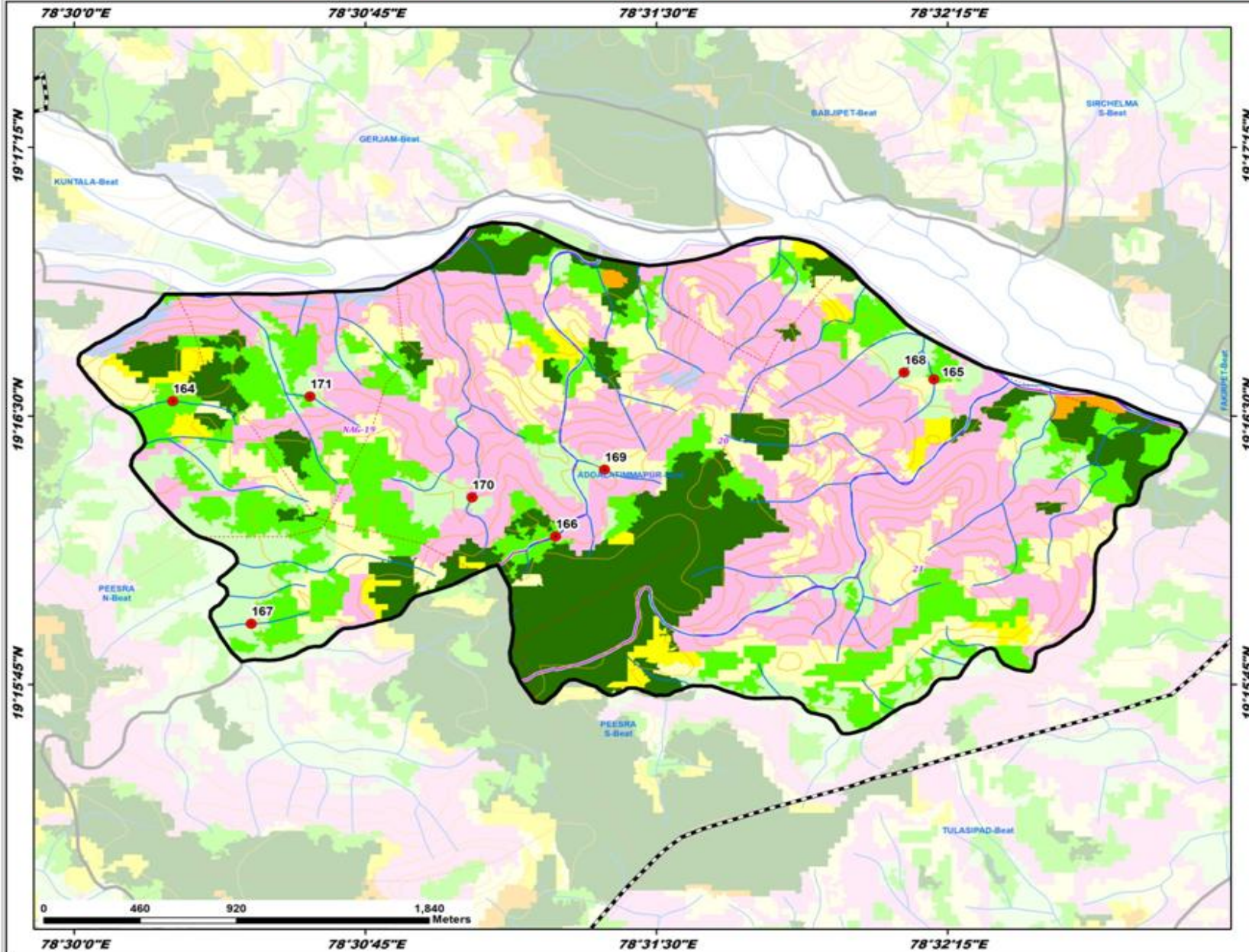
List of Proposed PTs – Birsaipet KTR Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
121	19.340708	78.752399	7.47	I	RAJULAMADUGU
122	19.329907	78.753138	8.69	II	RAJULAMADUGU
123	19.316870	78.763795	8.86	II	RAJULAMADUGU
124	19.342479	78.741836	11.28	II	RAJULAMADUGU
125	19.324499	78.766037	12.97	IV	RAJULAMADUGU
126	19.341614	78.771603	7.64	I	UTNOOR N
127	19.344714	78.772149	13.74	I	UTNOOR N
128	19.362653	78.767701	18.50	I	UTNOOR N
129	19.357460	78.767854	11.19	I	UTNOOR N
130	19.363197	78.761983	6.83	I	UTNOOR N
131	19.356819	78.771396	9.08	I	UTNOOR N
132	19.353178	78.770241	9.77	I	UTNOOR N
133	19.349280	78.775409	18.21	I	UTNOOR N
134	19.358740	78.764005	13.32	II	UTNOOR N
135	19.364617	78.763479	33.24	II	UTNOOR N
136	19.296031	78.740821	7.81	I	UTNOOR S
137	19.297216	78.747633	11.34	I	UTNOOR S
138	19.310786	78.756181	19.09	I	UTNOOR S
139	19.306146	78.737784	18.55	I	UTNOOR S
140	19.300028	78.744872	14.83	I	UTNOOR S
141	19.312771	78.729128	11.21	I	UTNOOR S
142	19.296573	78.721304	9.39	I	UTNOOR S
143	19.308888	78.733458	10.59	II	UTNOOR S
144	19.296544	78.735237	13.50	II	UTNOOR S
145	19.311928	78.749594	12.02	II	UTNOOR S
146	19.286055	78.750974	24.02	II	UTNOOR S
147	19.287596	78.736454	6.85	II	UTNOOR S
148	19.290061	78.731669	32.25	III	UTNOOR S
149	19.300421	78.723210	26.63	III	UTNOOR S
150	19.291776	78.737754	6.11	IV	UTNOOR S
151	19.318906	78.740502	8.12	IV	UTNOOR S
152	19.318050	78.741109	8.98	IV	UTNOOR S
153	19.307720	78.751307	14.18	IV	UTNOOR S
154	19.305493	78.750700	6.04	IV	UTNOOR S
155	19.309119	78.746835	9.82	IV	UTNOOR S
156	19.292329	78.745648	7.44	IV	UTNOOR S
157	19.311201	78.738396	14.52	IV	UTNOOR S
158	19.314183	78.743941	10.58	IV	UTNOOR S
159	19.286893	78.743617	11.78	IV	UTNOOR S
160	19.304215	78.741939	35.32	V	UTNOOR S
161	19.311090	78.733791	31.68	II	UTNOOR S
162	19.307499	78.733234	29.90	II	UTNOOR S
163	19.290209	78.748731	47.04	V	UTNOOR S

Map Showing Suitability Index for Construction of SMC Works of Addalatimmapur Beat



Division : Utnoor FDPT
Range : BirsaiPET KTR



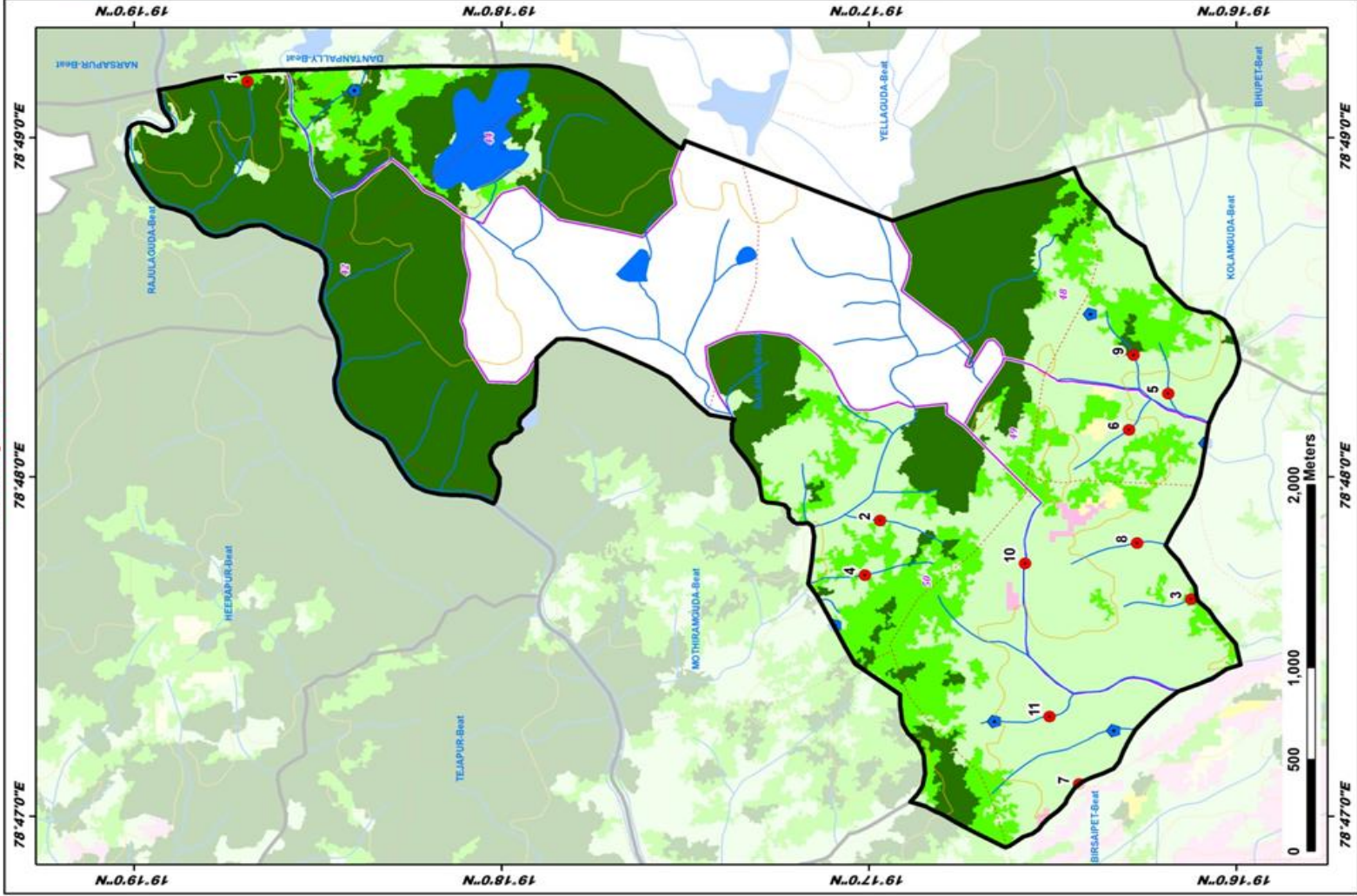
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
164	19.279697	78.504235	8.90	II
165	19.276709	78.536907	4.80	II
166	19.269998	78.520668	6.96	II
167	19.265338	78.507600	5.28	IV
168	19.277034	78.535630	9.86	IV
169	19.272508	78.522768	19.57	IV
170	19.271221	78.517083	7.67	IV
171	19.279915	78.510224	6.57	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 Balanpur Beat



Division : Uttnoor FDPT
Range : Birsaipt KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
1	19.311534	78.819490	16.21	II
2	19.262825	78.797879	10.25	II
3	19.268711	78.794020	12.22	II
4	19.263511	78.795195	6.96	II
5	19.269748	78.804119	5.93	IV
6	19.271528	78.802336	16.71	IV
7	19.273794	78.784929	18.78	IV
8	19.271160	78.796757	18.85	IV
9	19.271331	78.800608	9.93	IV
10	19.276247	78.795777	16.78	IV
11	19.275139	78.789242	14.95	IV

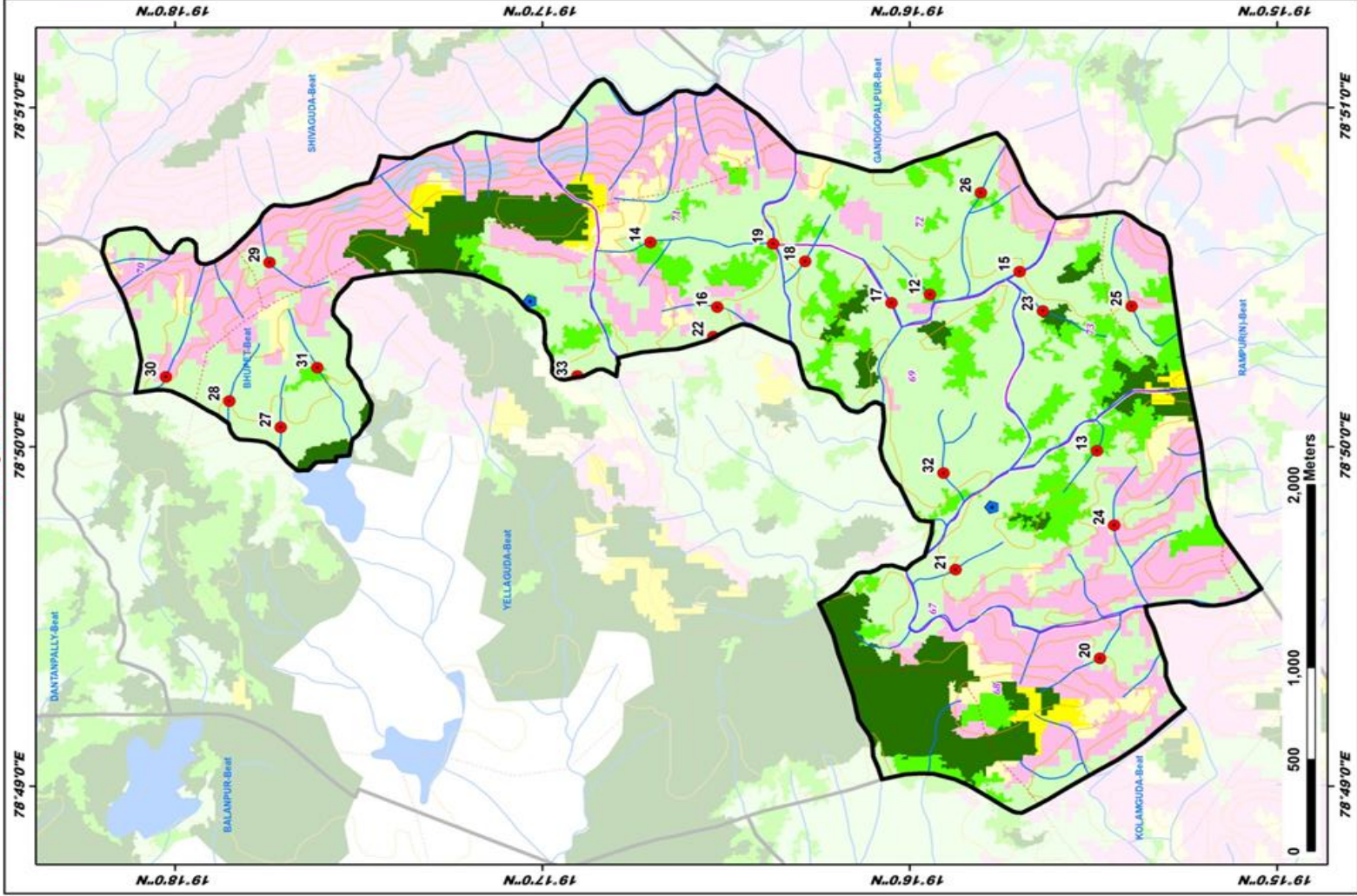
LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGP - Suitable
- Not Suitable
- Water Body

Map Showing Suitability Index for Construction of SMC Works of Bhupet Beat



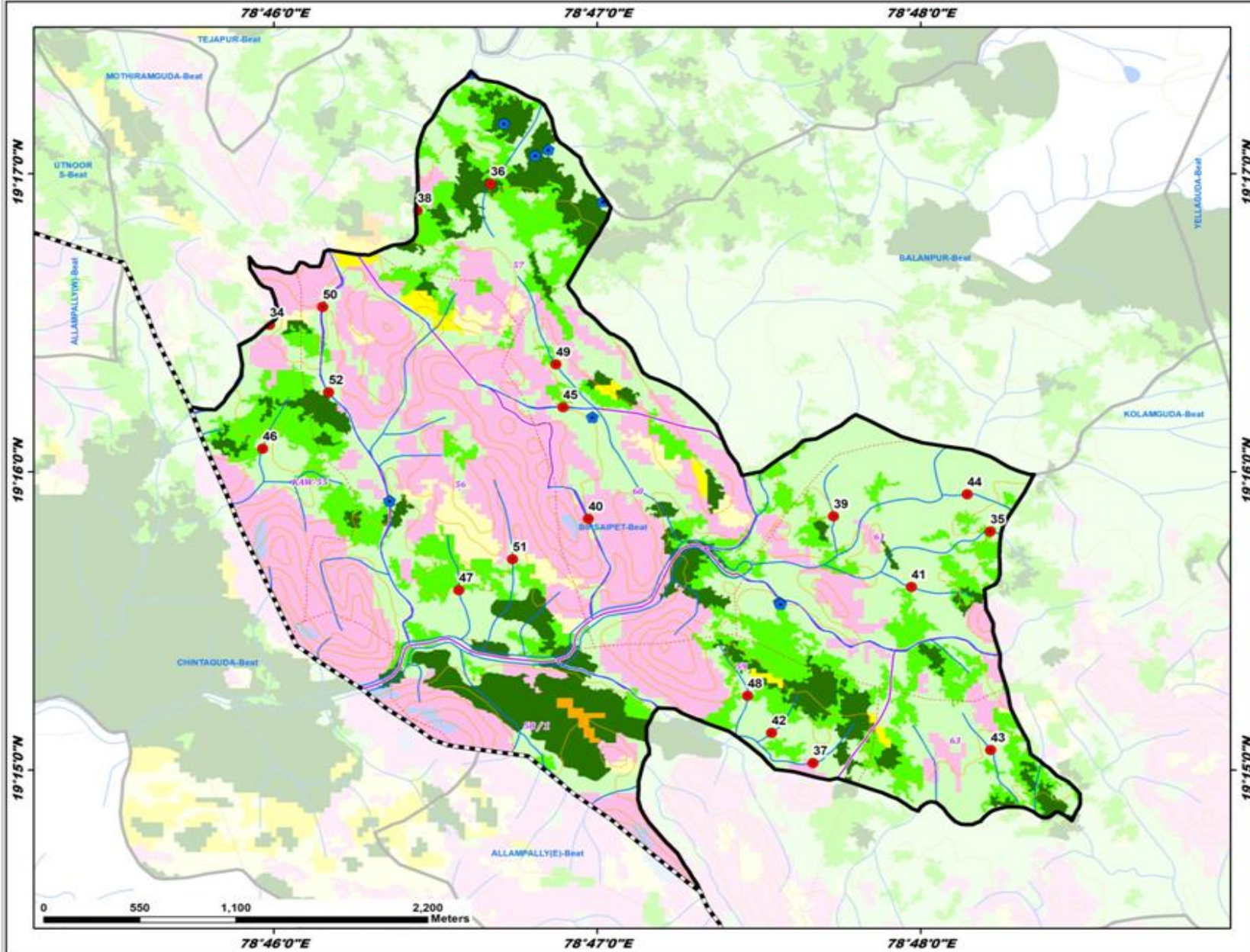
Division : Uttnoor FDPT
Range : Birsaipet KTR



Map Showing Suitability Index for Construction of SMC Works of Birsaipet Beat



Division : Utnoor FDPT
Range : Birsaipet KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
34	19.274888	78.766442	18.98	II
35	19.263346	78.803588	14.75	II
36	19.282776	78.777840	25.68	II
37	19.250406	78.794458	23.22	IV
38	19.281284	78.774048	9.78	IV
39	19.264194	78.795522	10.14	IV
40	19.264053	78.782880	9.25	IV
41	19.260238	78.799529	13.67	IV
42	19.252090	78.792329	11.75	IV
43	19.251130	78.803615	11.89	IV
44	19.265425	78.802413	6.77	IV
45	19.270291	78.781581	11.85	IV
46	19.267967	78.766087	11.76	IV
47	19.260064	78.776202	14.16	IV
48	19.254160	78.791085	18.77	IV
49	19.272682	78.781205	21.31	IV
50	19.275892	78.769195	24.25	IV
51	19.261793	78.778971	26.24	V
52	19.271131	78.769489	45.54	V

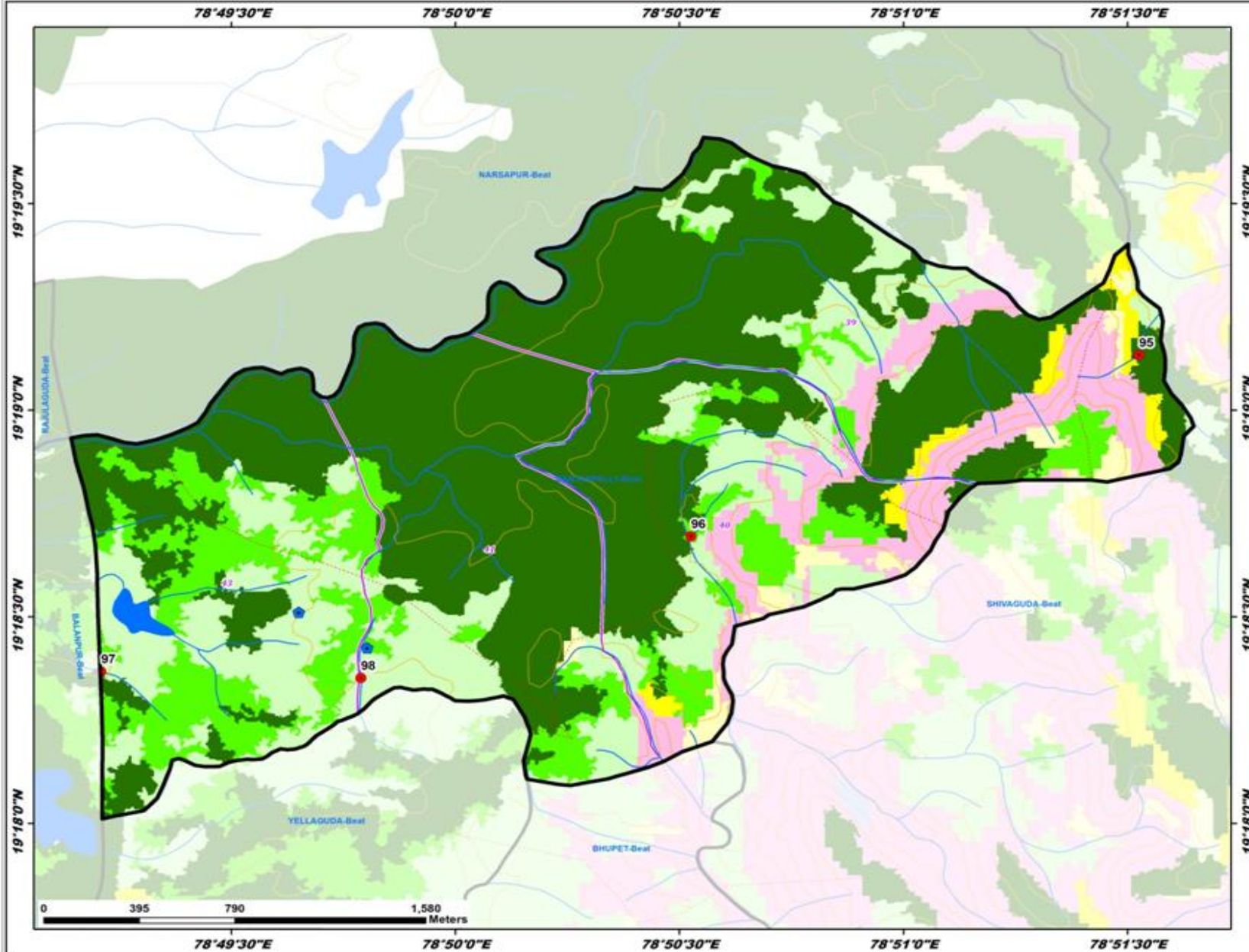
LEGEND

- 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 Dantanpally Beat



Division : Uttoor FDPT
Range : BirsaiPET KTR



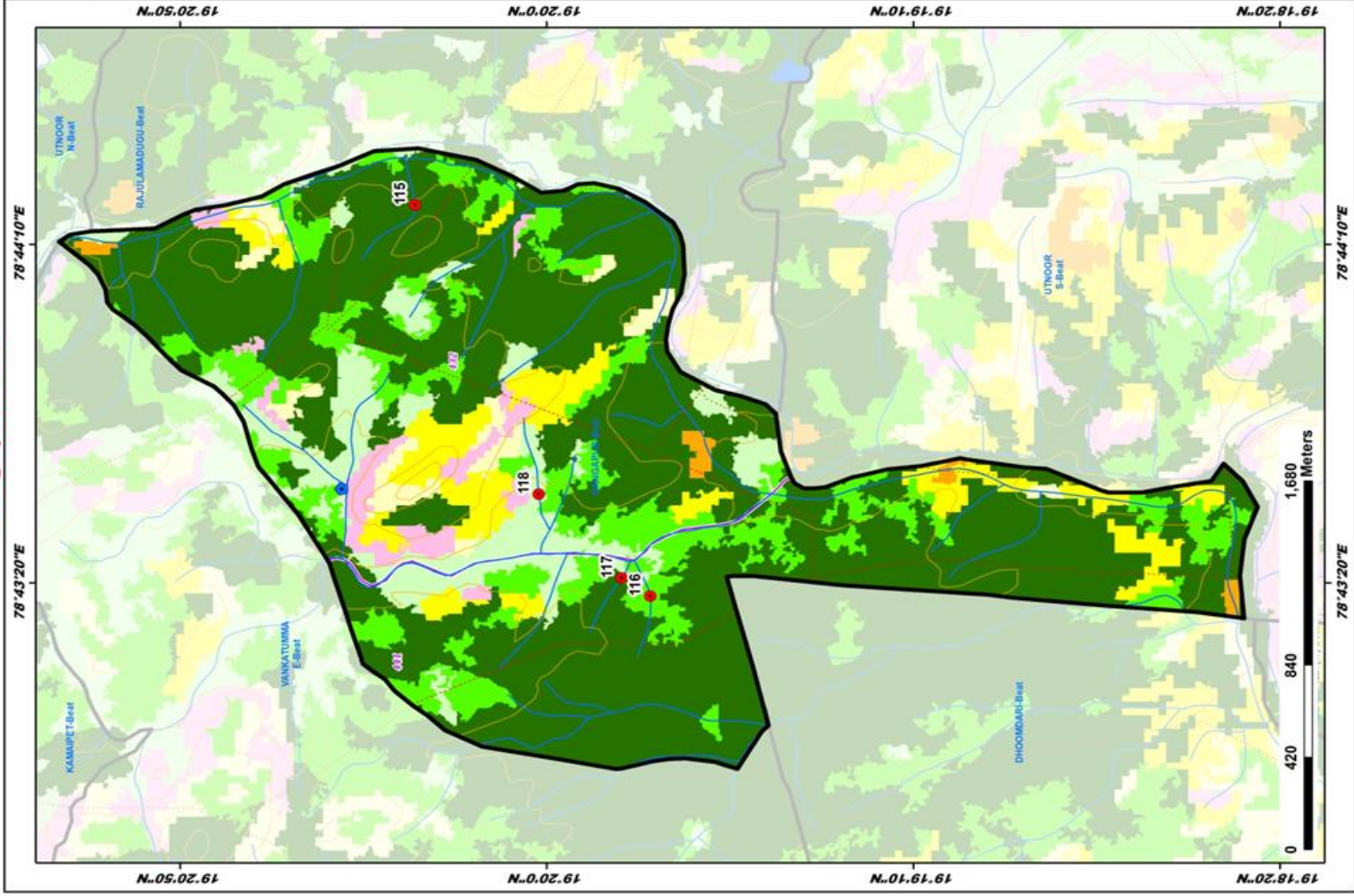
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
95	19.318901	78.858767	4.90	I
96	19.311585	78.842099	10.49	II
97	19.306135	78.820140	14.17	IV
98	19.305870	78.829819	6.32	IV

- 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 Gangapur Beat



Division : Utnoor FDPT
Range : Birsaipet KTR

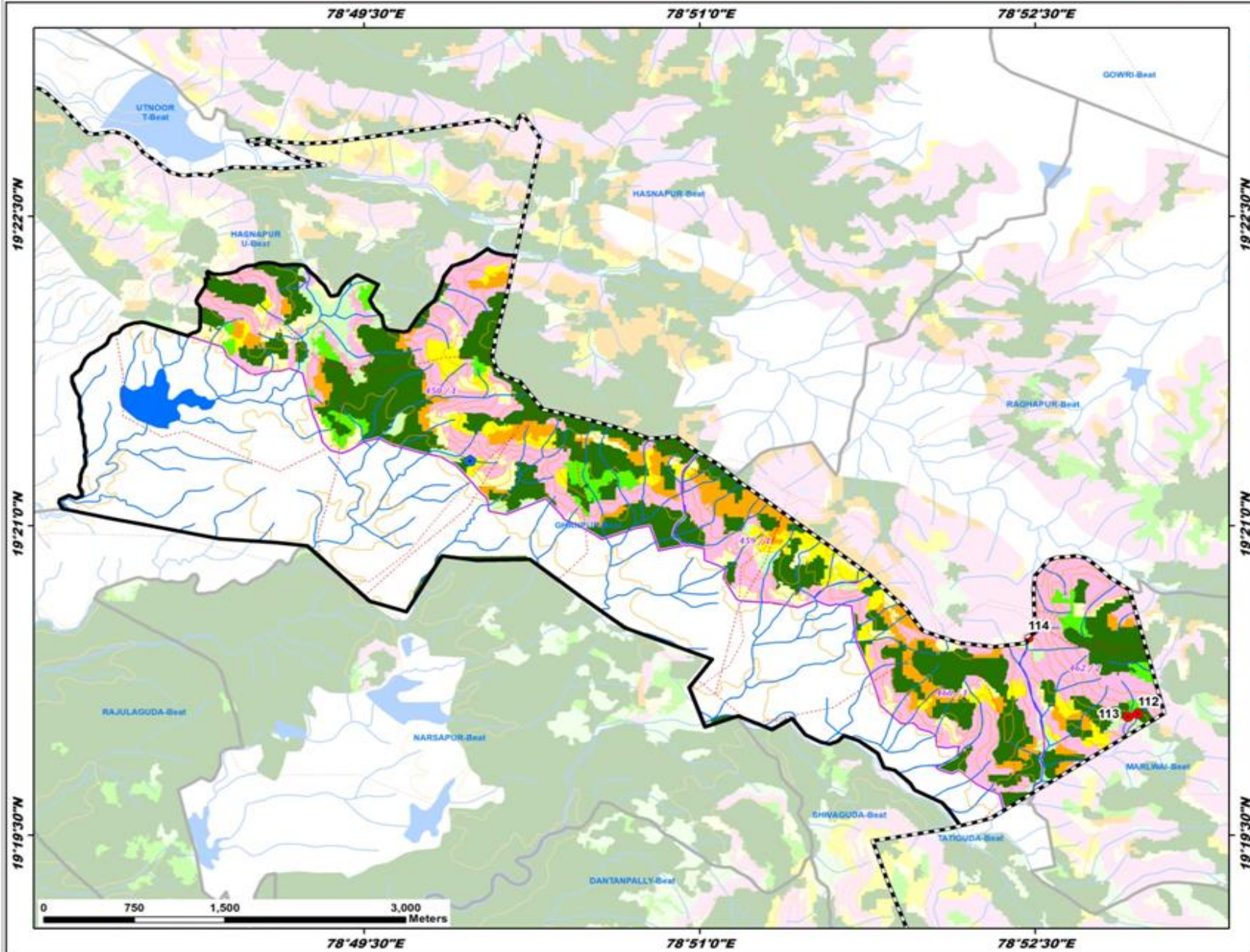


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
115	19.338319	78.737747	12.08	I
116	19.329414	78.721204	8.59	II
117	19.330489	78.722441	5.04	II
118	19.338636	78.725879	13.84	IV

LEGEND

- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 Suitability Index for Construction of SMC Works of Ghanpur Beat



Division : Utnoor FDPT
Range : Birsaipt KTR

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
112	19.334795	78.882673	6.24	I
113	19.334562	78.881958	8.67	I
114	19.340942	78.874486	6.47	IV

LEGEND

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

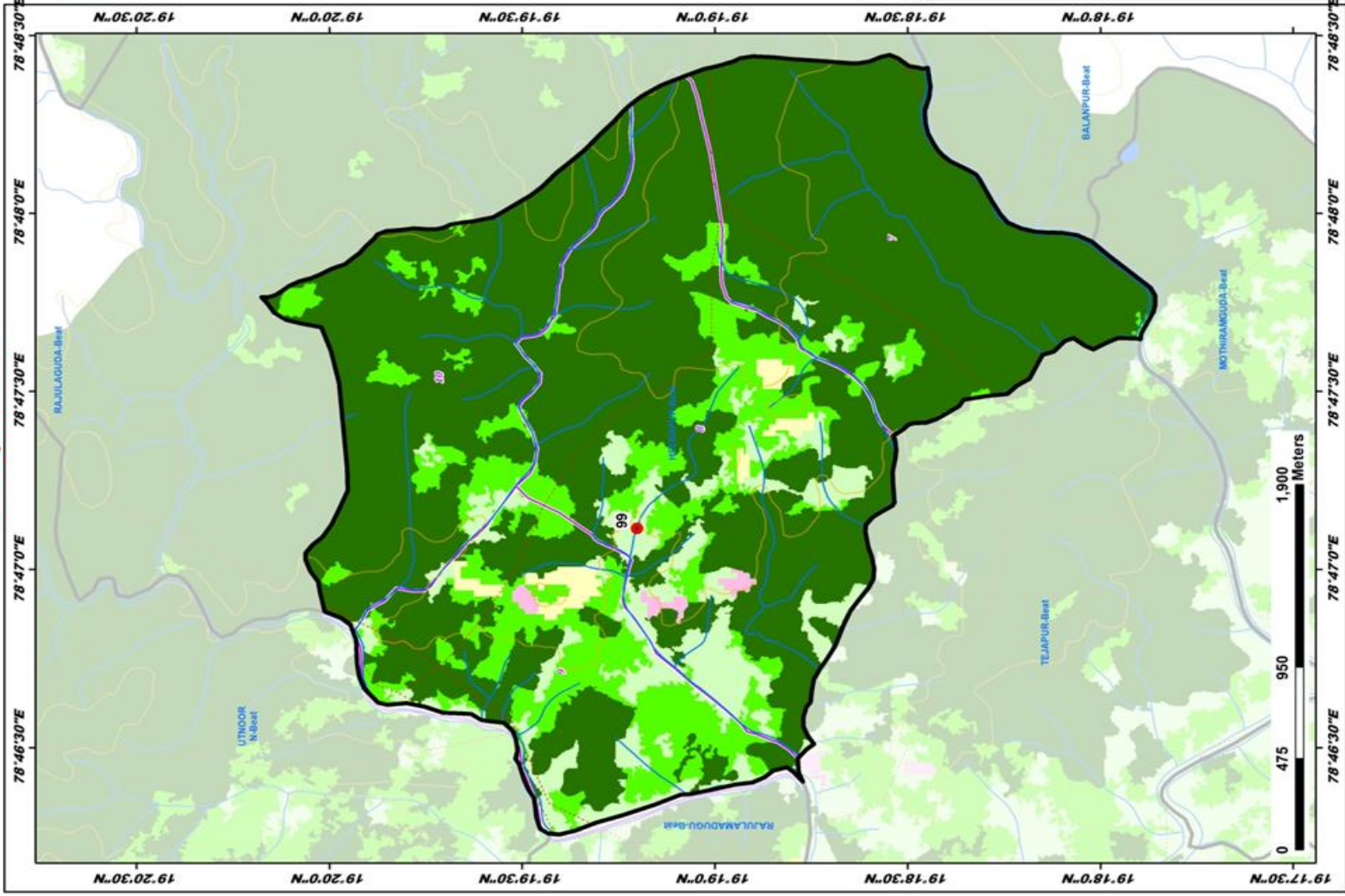
Suitability Index

- 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 Heerapur Beat



Division : Uttnoor FDPT
Range : Birsaipet KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
99	19.320036	78.783275	38.17	V

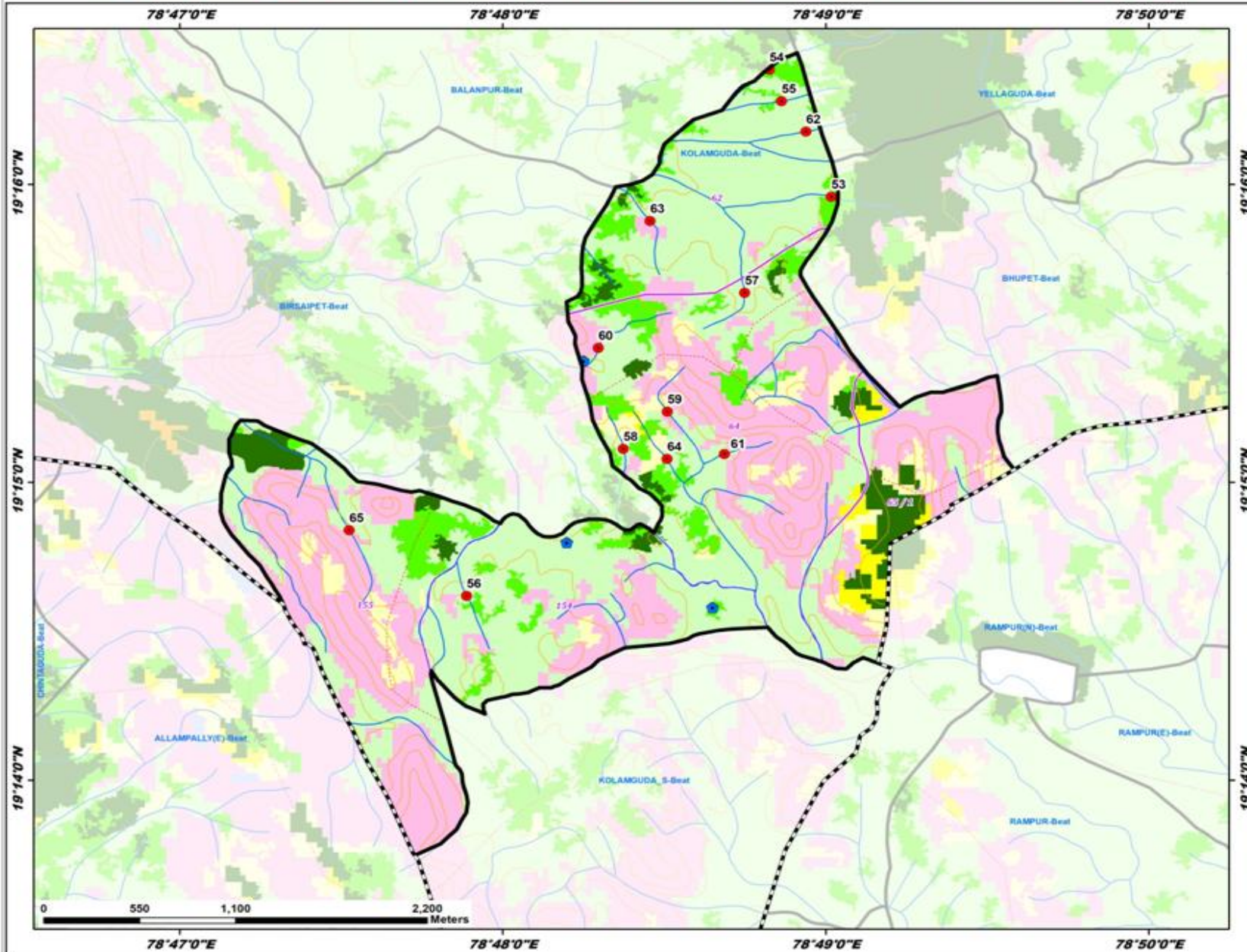
LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 Suitability Index for Construction of SMC Works of Kolamguda Beat



Division : Utnoor FDPT
Range : BirsaiPET KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
53	19.265981	78.816952	11.74	III
54	19.273099	78.813753	42.41	III
55	19.271332	78.814390	12.05	III
56	19.243654	78.798138	17.82	IV
57	19.260602	78.812480	13.34	IV
58	19.251880	78.806221	5.94	IV
59	19.253960	78.808500	11.49	IV
60	19.257524	78.804938	20.74	IV
61	19.251595	78.811442	13.85	IV
62	19.269620	78.815651	13.09	IV
63	19.264626	78.807609	13.09	IV
64	19.251316	78.808479	6.40	IV
65	19.247333	78.792081	12.22	IV

LEGEND

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

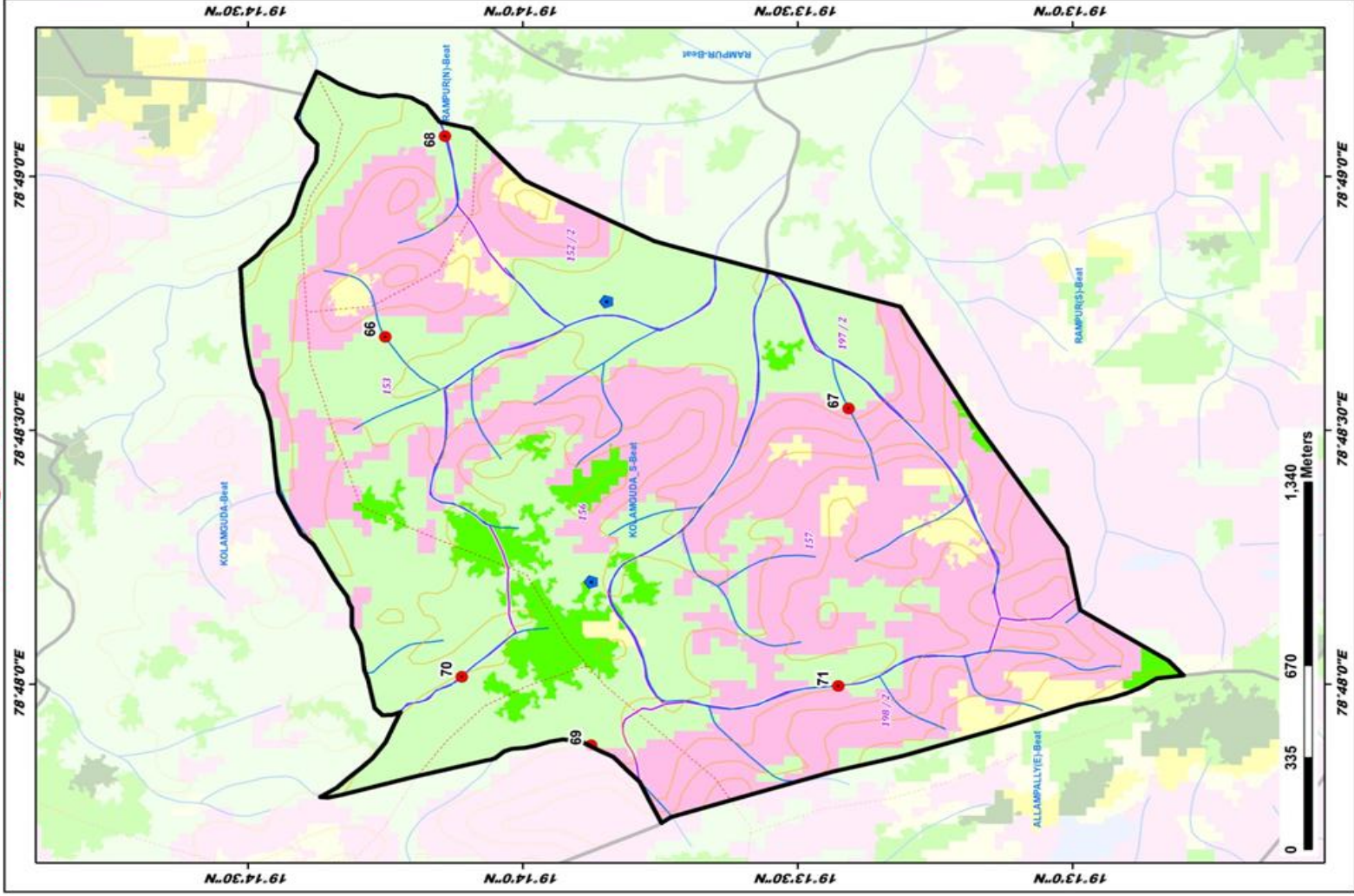
Suitability Index

- 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 Kolamguda South Beat



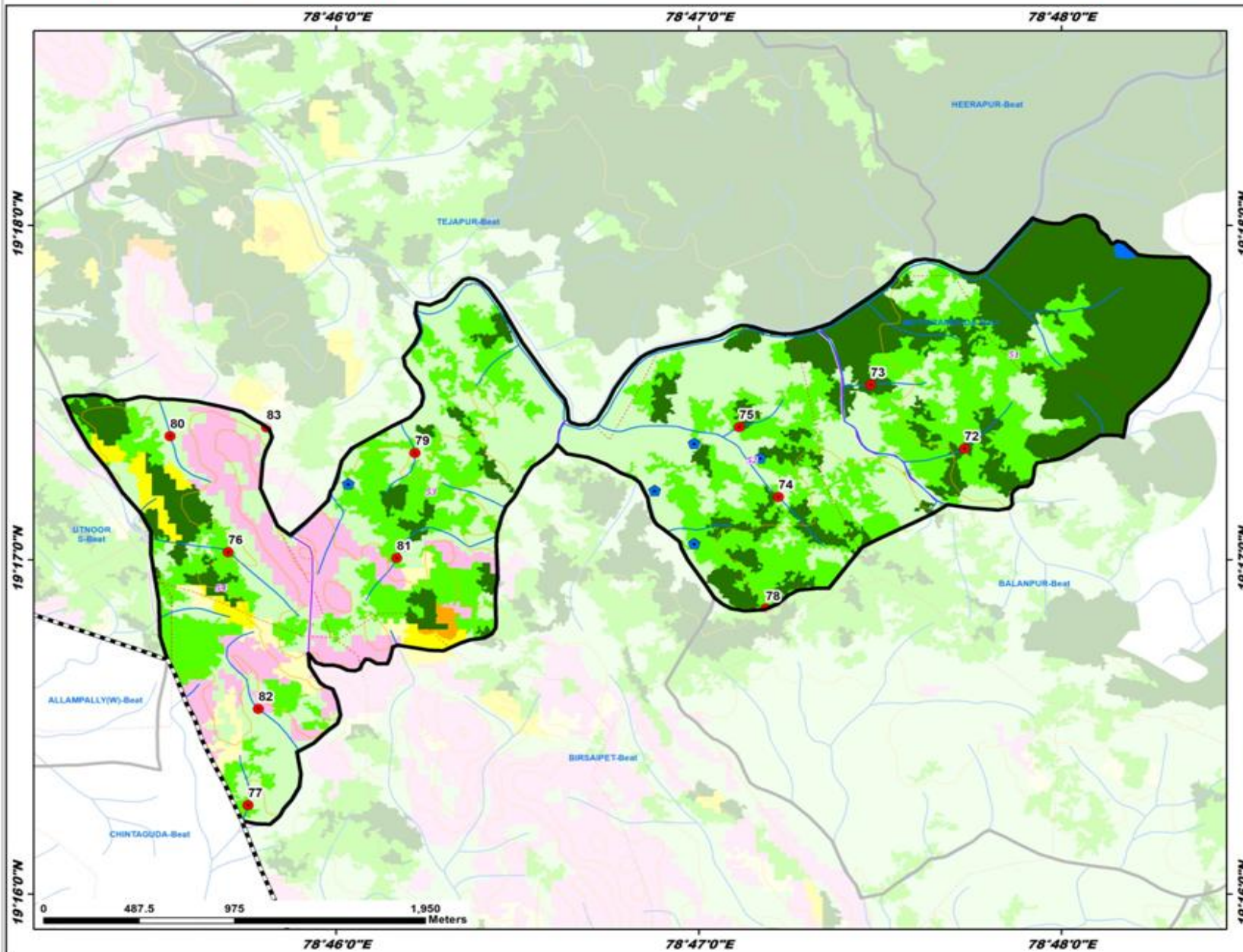
Division : Uttnoor FDPT
Range : Birsaipet KTR



Map Showing Suitability Index for Construction of SMC Works of Mothiramguda Beat



Division : Uttoor FDPT
Range : BirsaiPET KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
72	19.288877	78.795547	8.08	I
73	19.292056	78.791232	14.82	I
74	19.286460	78.787001	19.09	II
75	19.289945	78.785194	10.28	II
76	19.283711	78.761705	16.52	II
77	19.271102	78.762618	6.55	II
78	19.289907	78.786407	17.13	II
79	19.288664	78.770290	8.27	IV
80	19.289504	78.759039	12.15	IV
81	19.283422	78.769450	7.12	IV
82	19.275909	78.763087	18.49	IV
83	19.289938	78.763475	14.17	IV

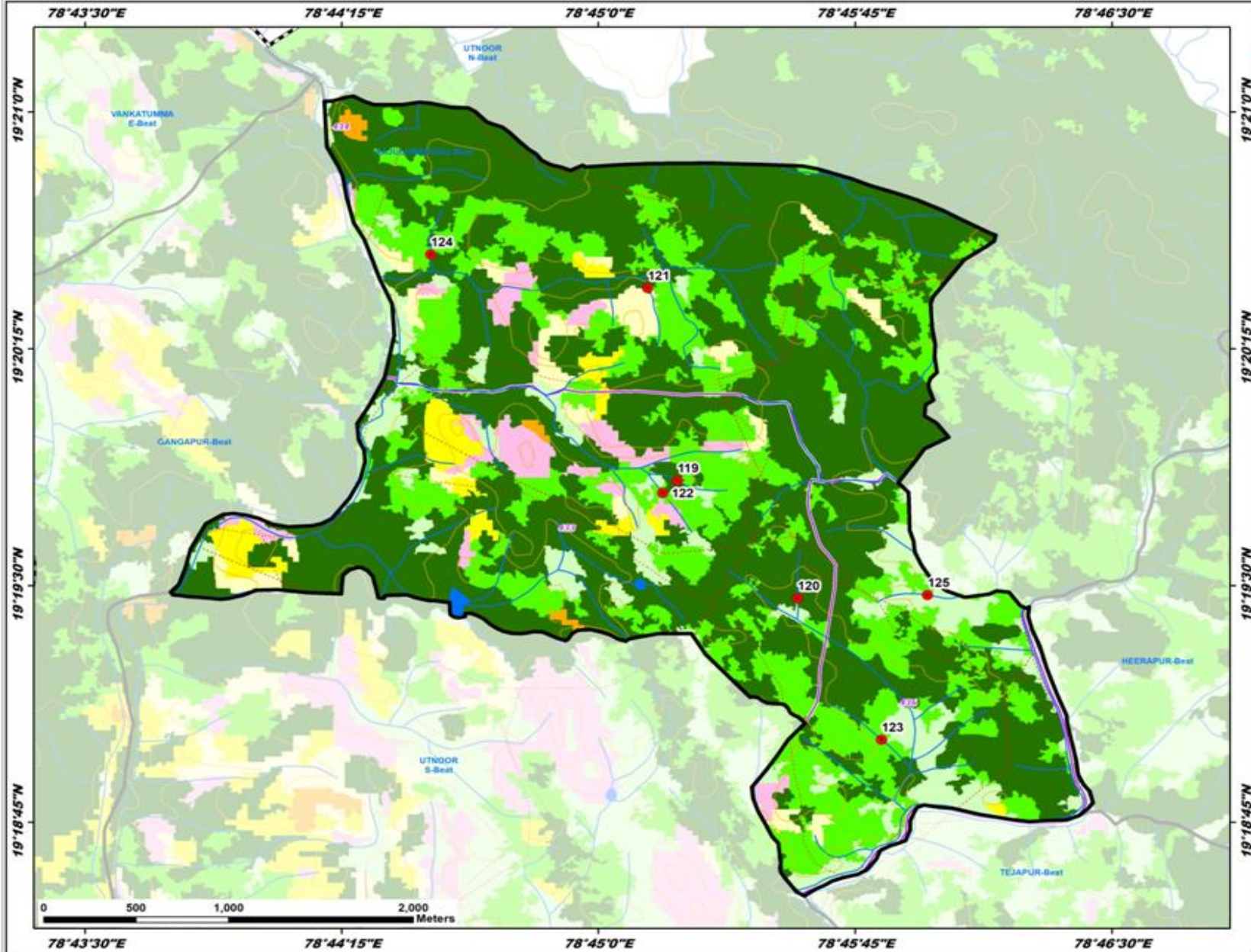
LEGEND

- 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 Rajulamadugu Beat



Division : Utnoor FDPT
Range : BirsaiPET KTR



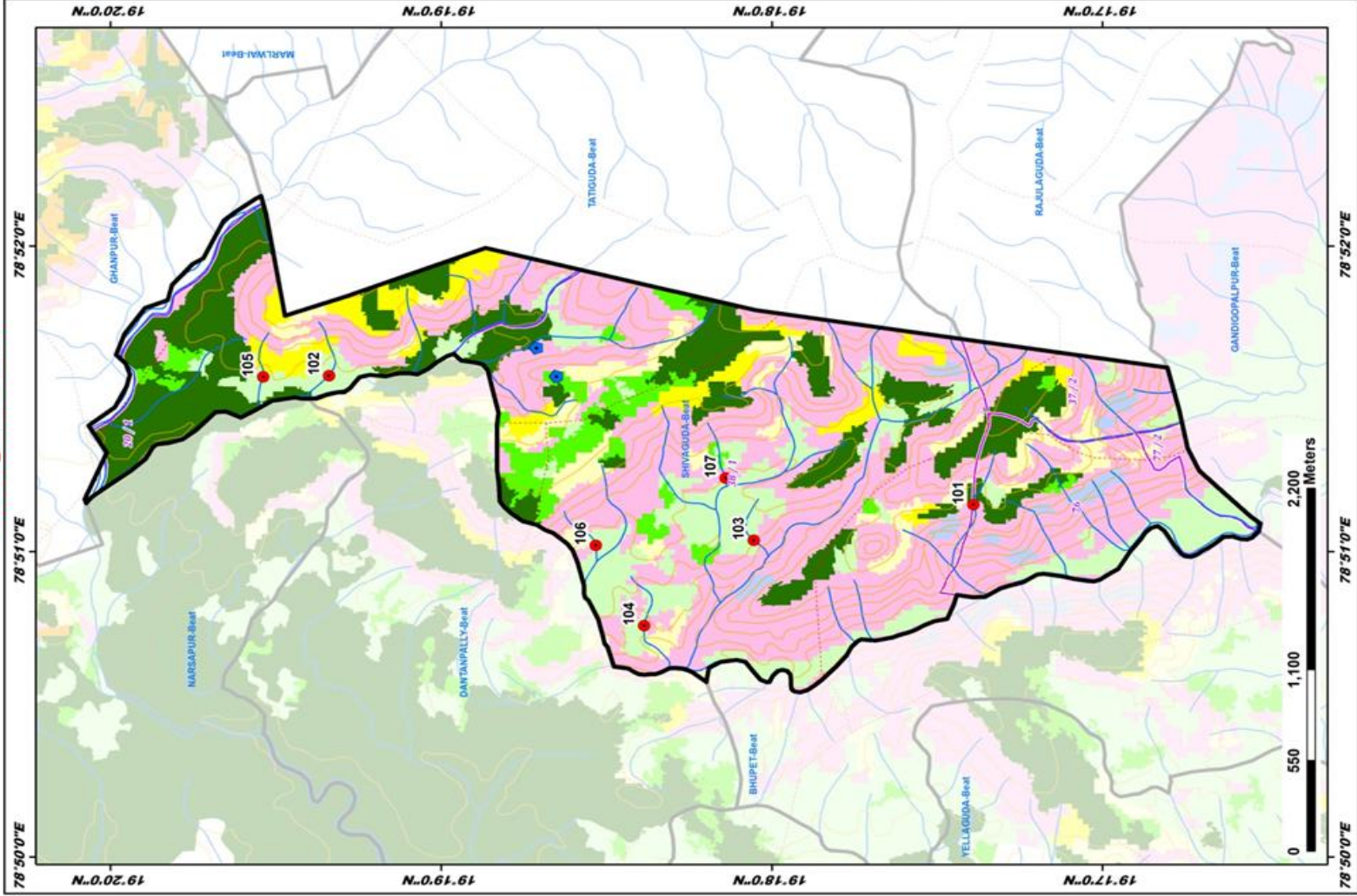
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
119	19.330555	78.753853	9.64	I
120	19.324331	78.759702	13.23	I
121	19.340708	78.752399	7.47	I
122	19.329907	78.753138	8.69	II
123	19.316870	78.763795	8.86	II
124	19.342479	78.741836	11.28	II
125	19.324499	78.766037	12.97	IV

- 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 Shivaguda Beat



Division : Uttnoor FDPT
Range : Birsaipet KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
101	19.289840	78.852855	11.76	I
102	19.323115	78.859630	16.49	IV
103	19.300904	78.850634	5.93	IV
104	19.306430	78.849881	12.69	IV
105	19.325632	78.859557	5.81	IV
106	19.308875	78.850865	14.63	IV
107	19.302330	78.854026	13.36	IV

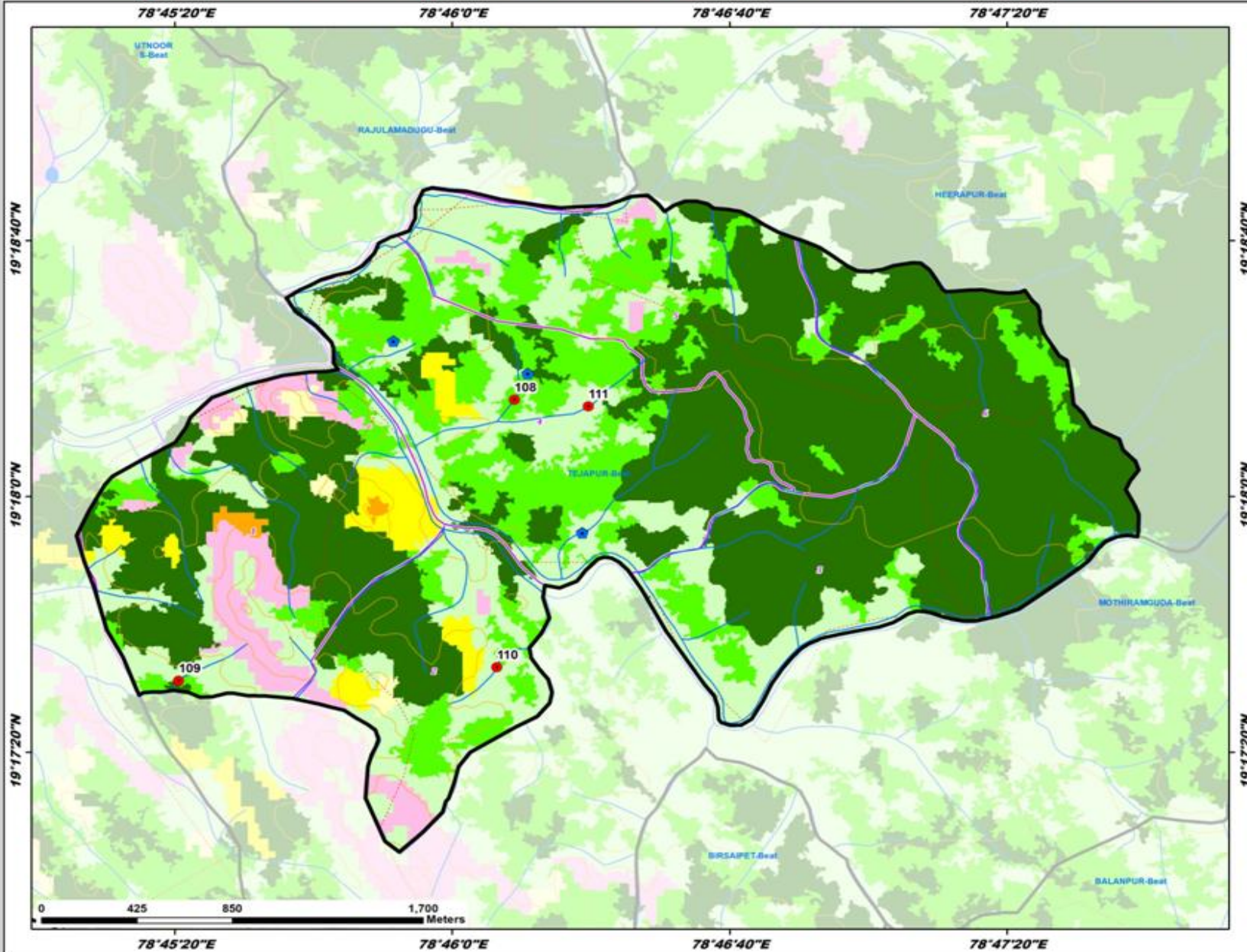
LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 Suitability Index for Construction of SMC Works of Tejapur Beat



Division : Utnoor FDPT
Range : Birsapet KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
108	19.304205	78.769155	7.16	II
109	19.292000	78.755706	10.81	II
110	19.292585	78.768455	8.76	IV
111	19.303920	78.772121	17.25	IV

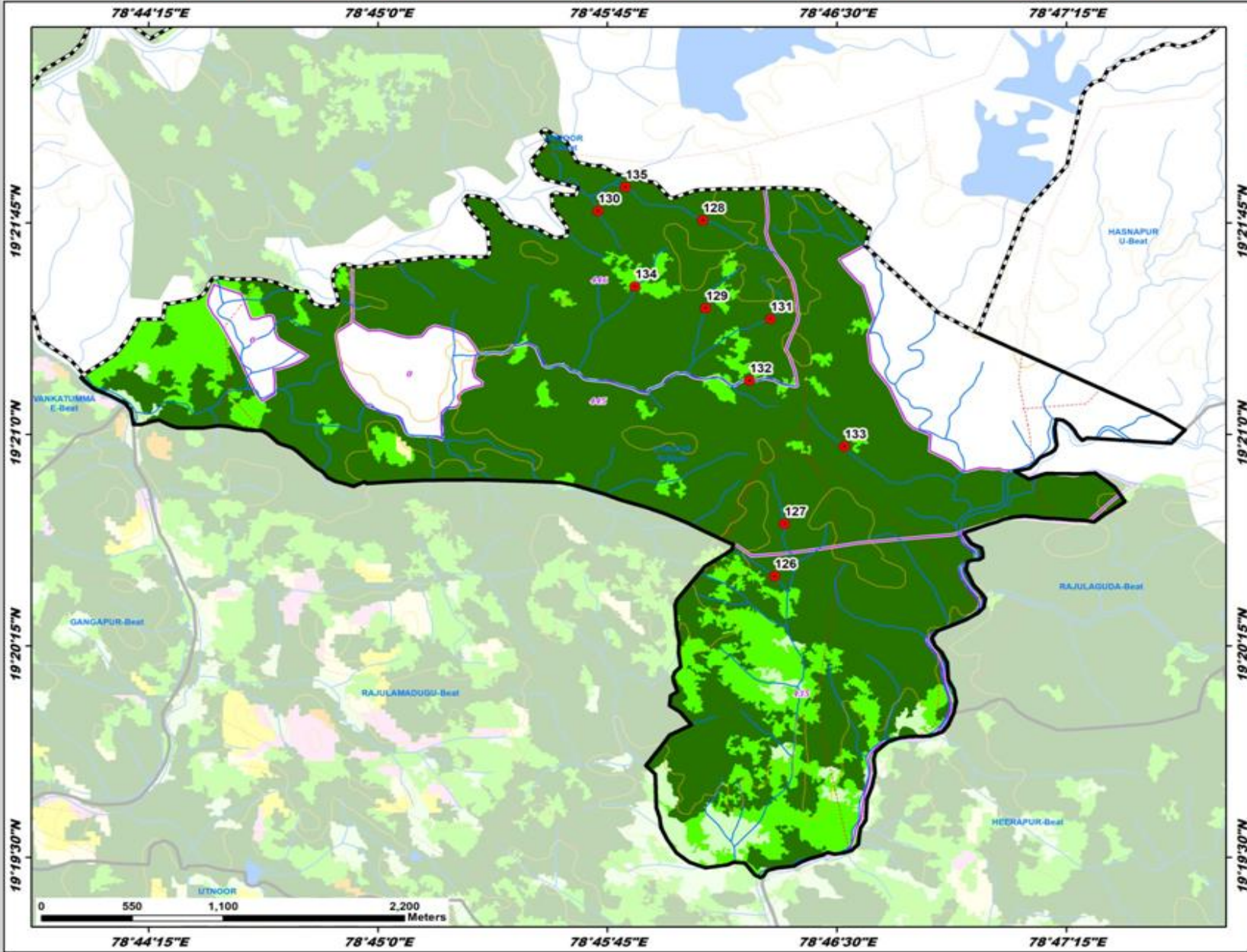
LEGEND

- 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 Utnoor North Beat



Division : Utnoor FDPT
Range : BirsaiPET KTR

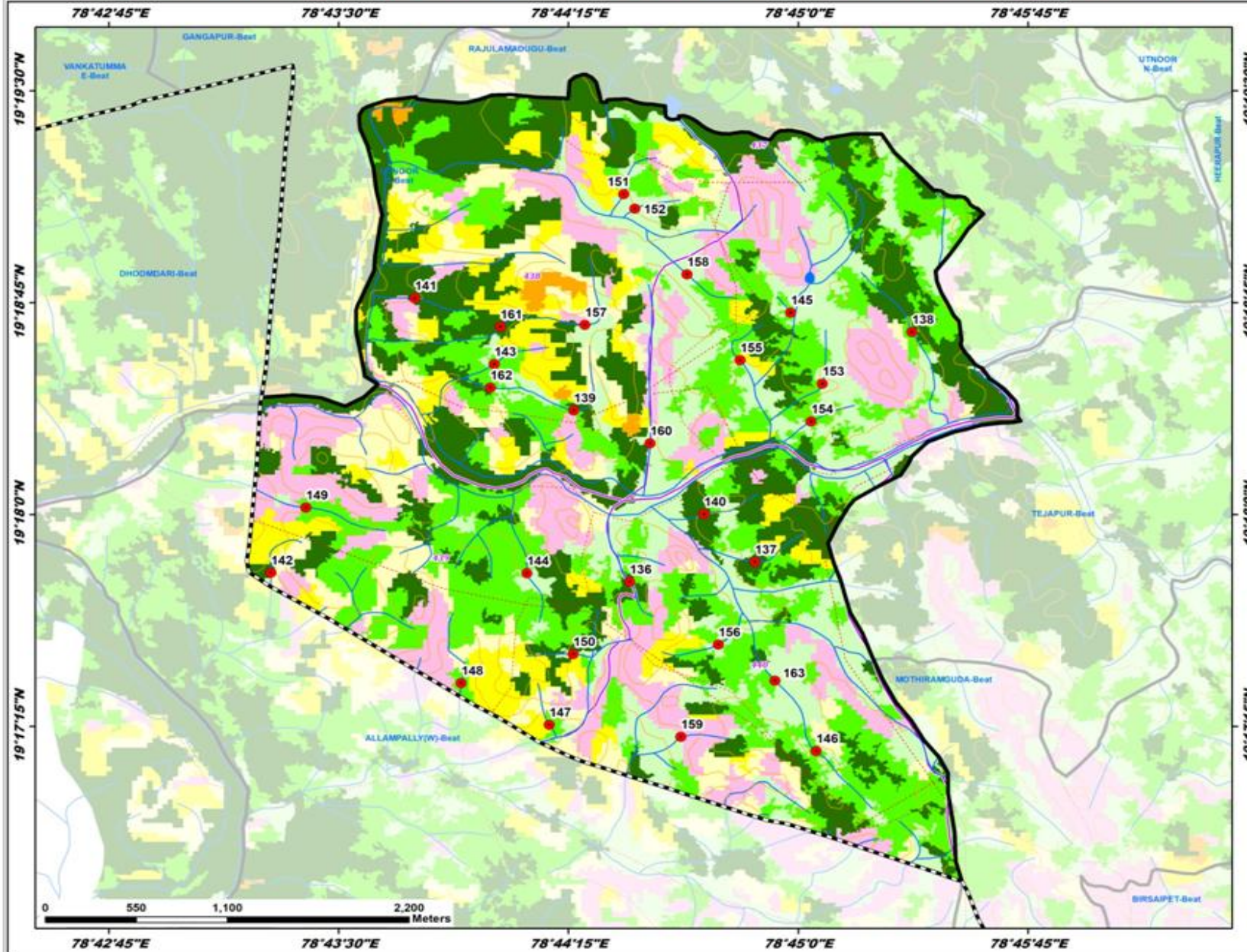


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
126	19.341614	78.771603	7.64	I
127	19.344714	78.772149	13.74	I
128	19.362653	78.767701	18.50	I
129	19.357460	78.767854	11.19	I
130	19.363197	78.761583	6.83	I
131	19.356819	78.771396	9.08	I
132	19.353178	78.770241	9.77	I
133	19.349280	78.775409	18.21	I
134	19.358740	78.764005	13.32	II
135	19.364617	78.763479	33.24	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 Uttoor South Beat



Division : Uttoor FDPT
Range : BirsaiPET KTR

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
136	19.296031	78.740821	7.81	I
137	19.297216	78.747633	11.34	I
138	19.310796	78.756181	19.09	I
139	19.306146	78.737784	18.55	I
140	19.300028	78.744872	14.83	I
141	19.312771	78.729128	11.21	I
142	19.296579	78.721304	9.39	I
143	19.308888	78.733458	10.59	II
144	19.296544	78.735237	13.50	II
145	19.311928	78.749994	12.02	II
146	19.286055	78.750974	24.02	II
147	19.287996	78.736454	6.85	II
148	19.290061	78.731669	32.25	III
149	19.300421	78.723210	26.63	III
150	19.291776	78.737754	6.11	IV
151	19.318906	78.749502	8.12	IV
152	19.318050	78.741109	8.96	IV
153	19.307720	78.731807	14.18	IV
154	19.305493	78.750700	6.04	IV
155	19.309119	78.746835	9.82	IV
156	19.292329	78.745648	7.44	IV
157	19.311201	78.738396	14.52	IV
158	19.314183	78.743941	10.58	IV
159	19.286893	78.743617	11.78	IV
160	19.304215	78.741939	35.32	V
161	19.311090	78.733791	31.68	II
162	19.307499	78.733234	29.90	II
163	19.290209	78.748731	47.04	V

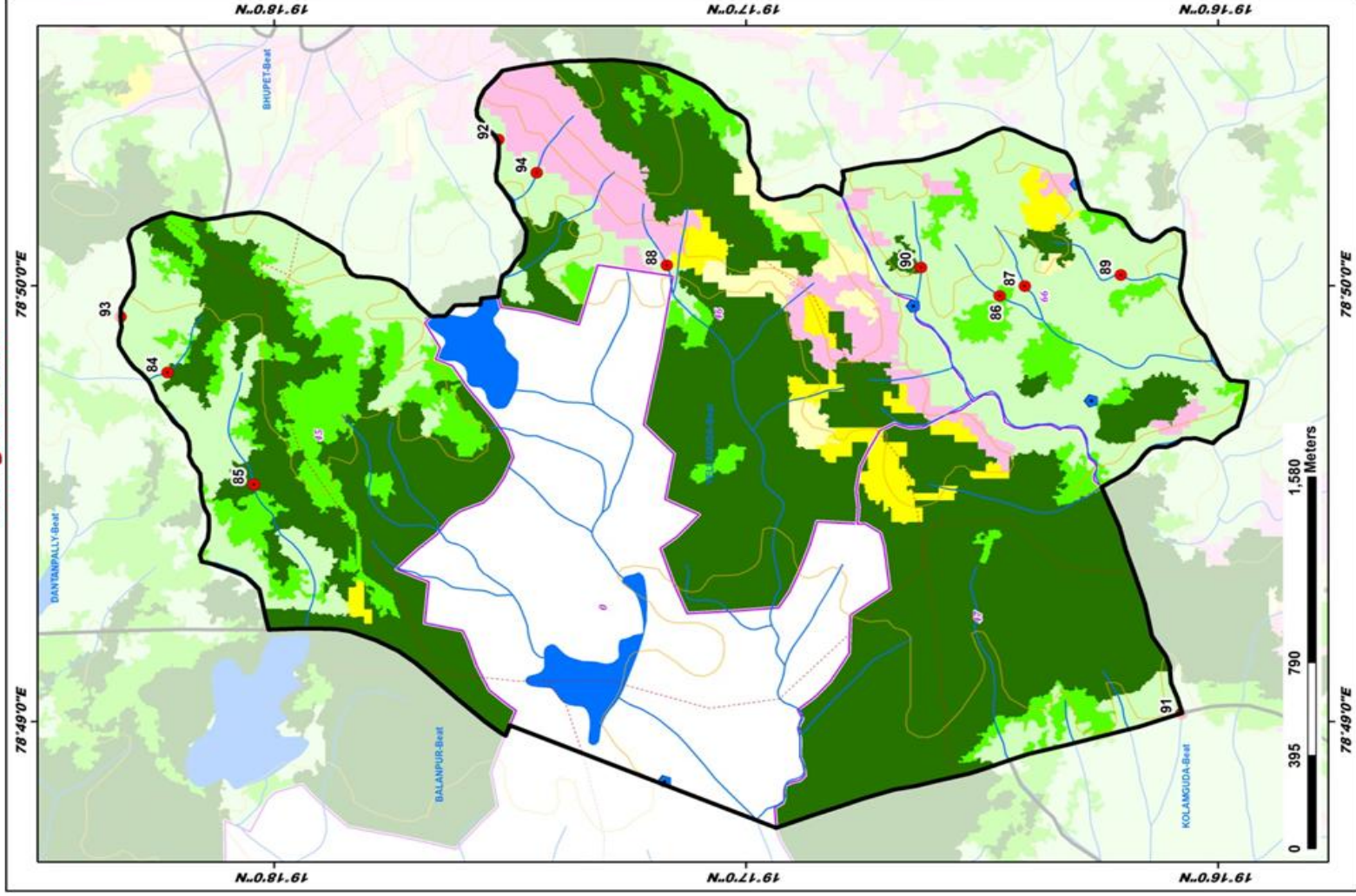
LEGEND

- 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 Yellaguda Beat



Division : Uttnoor FDPT
Range : Birsaipet KTR

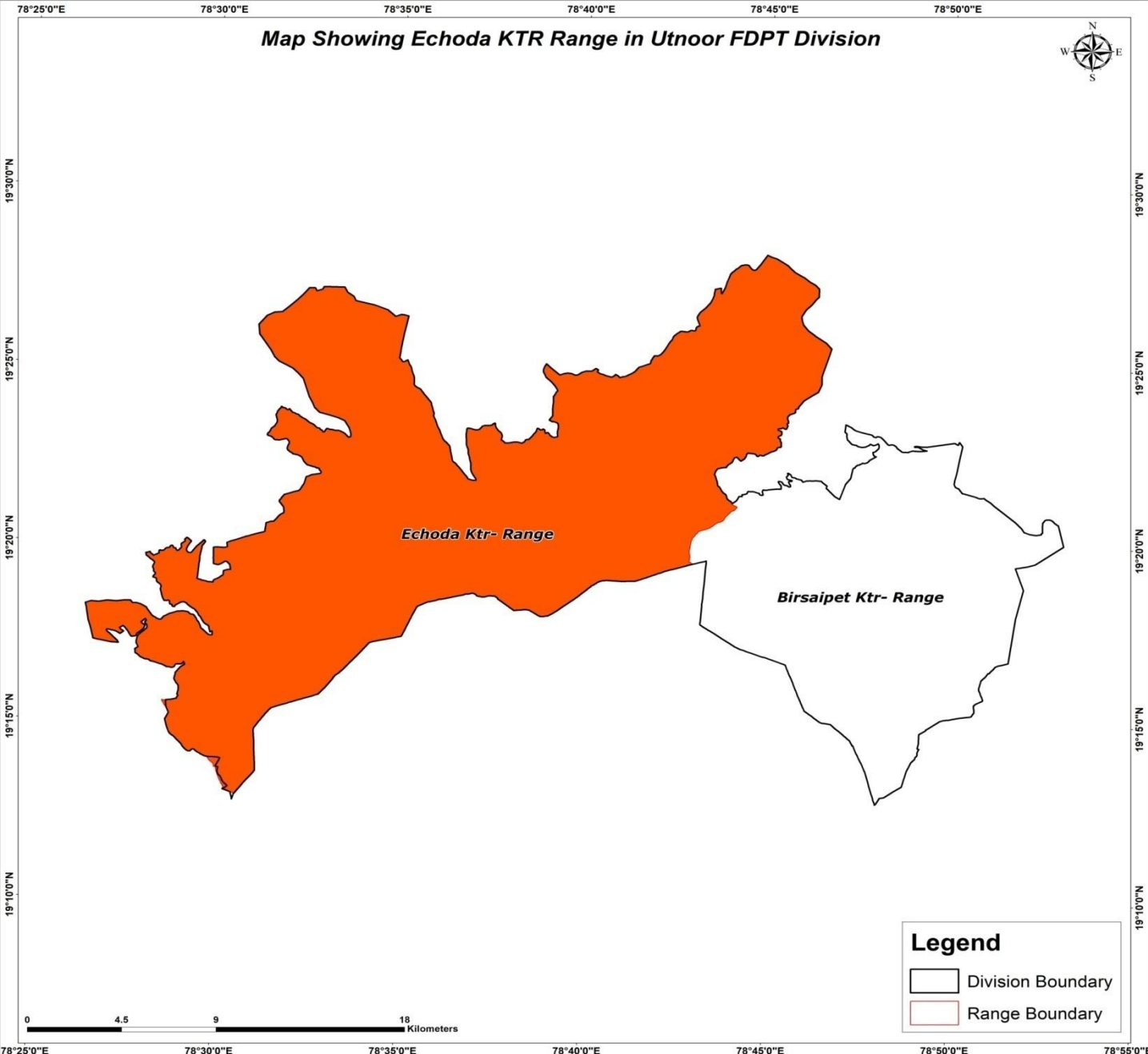


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
84	19.303758	78.830031	16.64	I
85	19.300796	78.827744	37.03	II
86	19.274870	78.832959	7.02	II
87	19.272490	78.833337	6.96	IV
88	19.286125	78.834132	4.72	IV
89	19.270093	78.837362	9.25	IV
90	19.277153	78.834043	6.20	IV
91	19.267953	78.816987	17.60	IV
92	19.292077	78.838945	15.34	IV
93	19.305418	78.832157	20.67	IV
94	19.290719	78.837676	9.83	IV

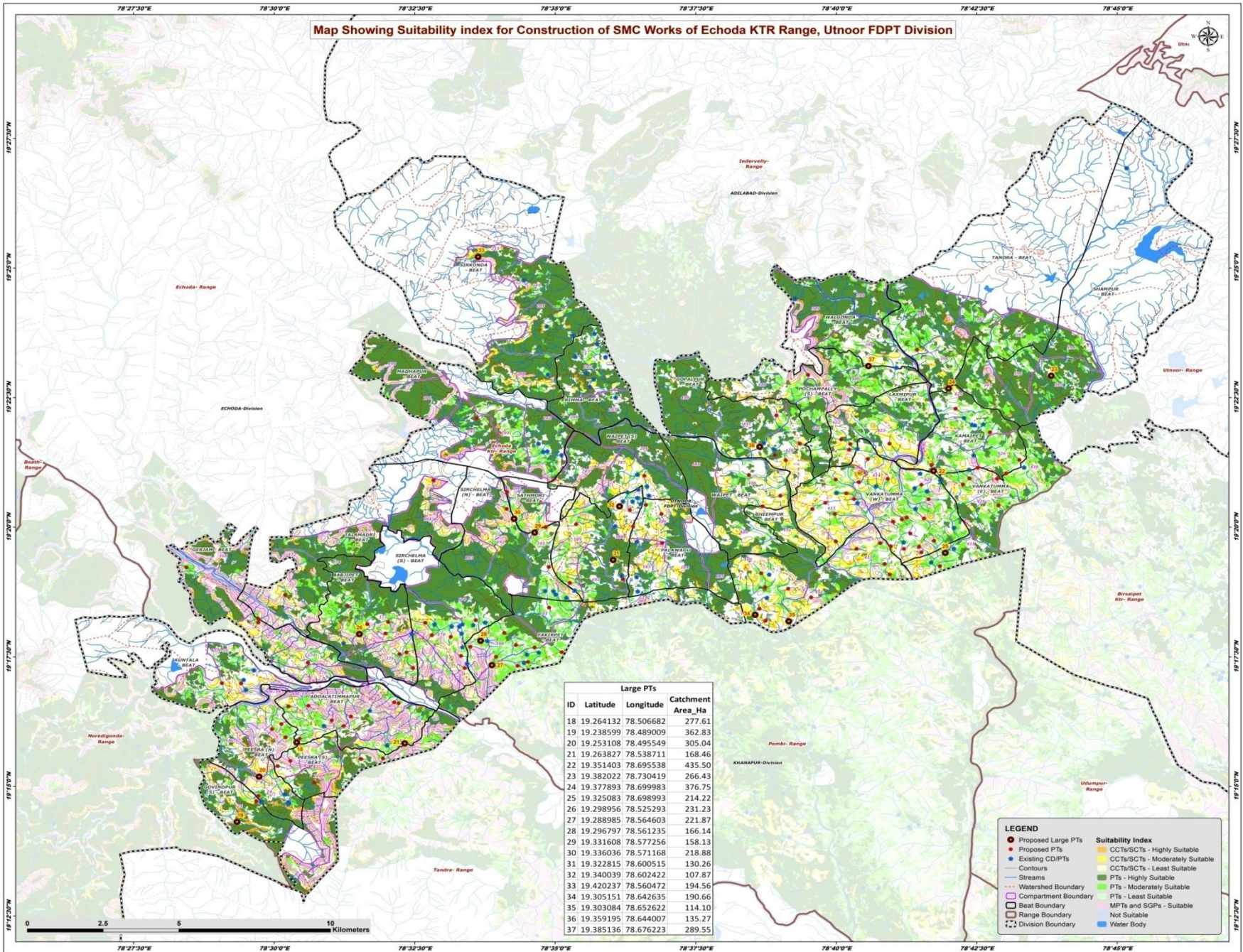
LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 Echoda KTR Range in Utloor FDPT Division



Map Showing Suitability index for Construction of SMC Works of Echoda KTR Range, Unnoor FDPT Division



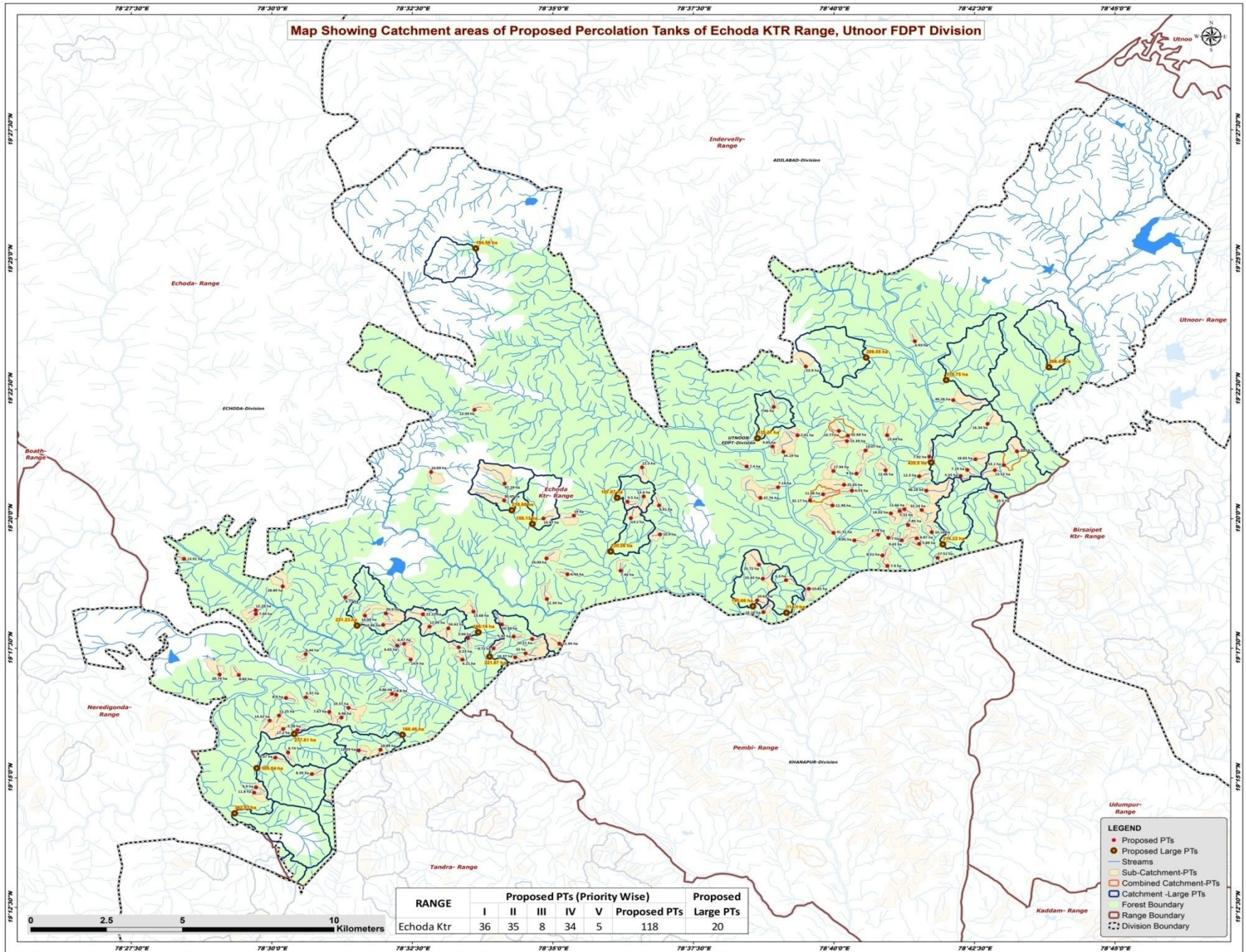
Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
18	19.264132	78.506682	277.61
19	19.238599	78.489009	362.83
20	19.253108	78.495549	305.04
21	19.263827	78.538711	168.46
22	19.351403	78.695538	435.50
23	19.382022	78.730419	266.43
24	19.377893	78.699983	376.75
25	19.325083	78.698993	214.22
26	19.298956	78.525293	231.23
27	19.288985	78.564603	221.87
28	19.296797	78.561235	166.14
29	19.331608	78.577256	158.13
30	19.336036	78.571168	218.88
31	19.322815	78.600515	130.26
32	19.340039	78.602422	107.87
33	19.420237	78.560472	194.56
34	19.305151	78.642635	190.66
35	19.303084	78.652622	114.10
36	19.359195	78.644007	135.27
37	19.385136	78.676223	289.55

LEGEND

- Proposed Large PTs
- Proposed 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

0 2.5 5 10 Kilometers

Map Showing Catchment areas of Proposed Percolation Tanks of Echoda KTR Range, Utnoor FDPT Division



RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
	I	II	III	IV	V		
Echoda Ktr	36	35	8	34	5	118	20

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

Beat wise Abstract of Proposed PT's – Echoda KTR Range

S. No.	Beat	Proposed PT's
1	ADDALATIMMAPUR	8
2	BABJIPET	7
3	BHEEMPUR	10
4	FAKIRPET	9
5	GERJAM	3
6	GOPALPUR	4
7	GOVINDPUR S	1
8	KAMAIPET	6
9	KUNTALA	2
10	LAXMIPUR	4
11	MADHAPUR	1
12	PALAWAGU	4
13	PEESRA N	4
14	PEESRA S	5
15	POCHAMPALLY S	1
16	SATHMORI	5
17	SIRCHELMA N	3
18	SIRCHELMA S	6
19	TALAMADRI	3
20	TANDRA	1
21	VANKATUMMA E	5
22	VANKATUMMA W	22
23	WAIPET	3
24	WAIPET S	1
	Total	118

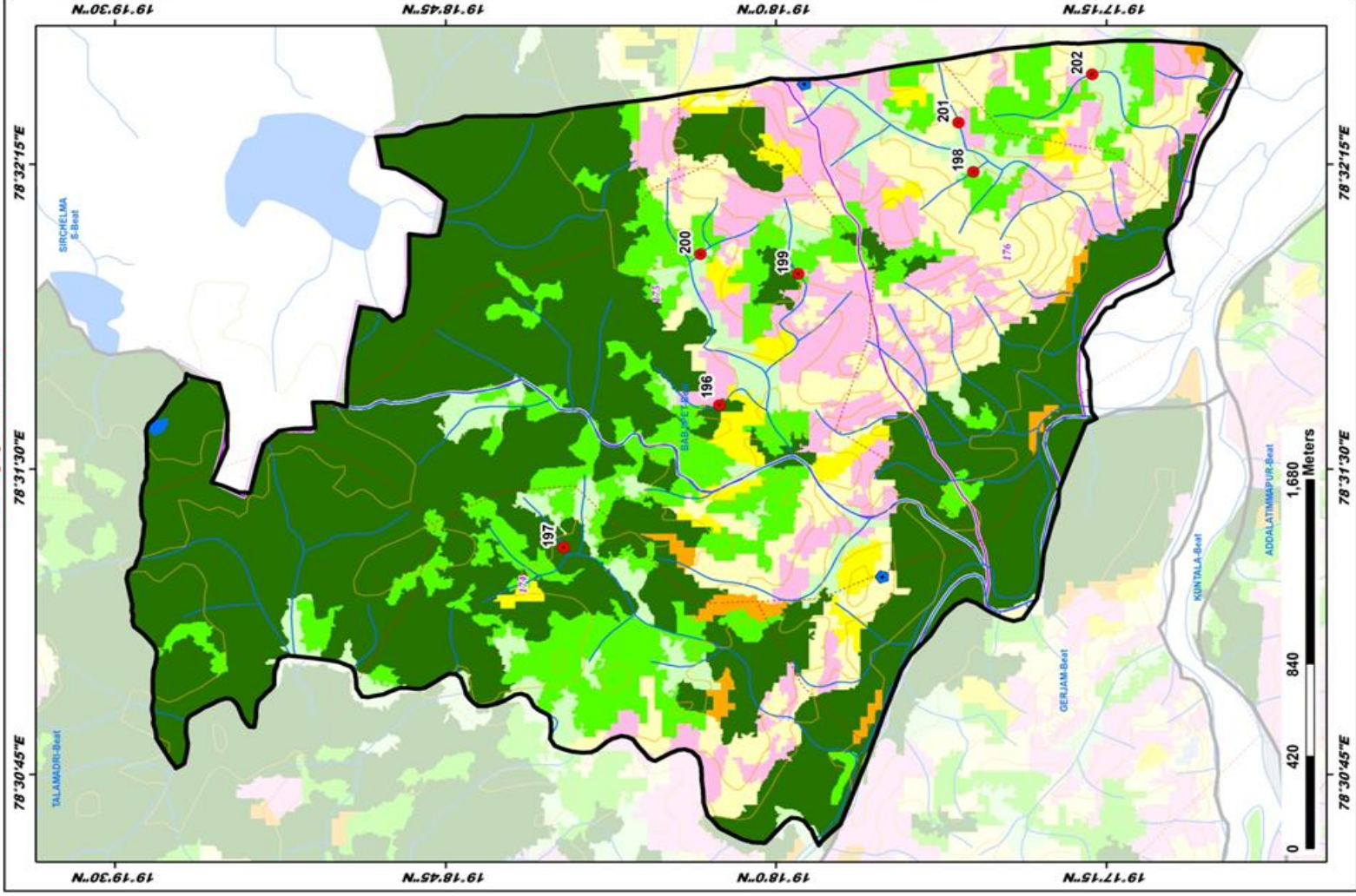
List of Proposed PTs – Echoda KTR Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
164	19.275697	78.504235	8.90	II	ADDALATIMMAPUR	204	19.307485	78.581551	12.34	I	FAKIRPET	244	19.314019	78.645600	23.43	II	BHEEMPUR
165	19.276709	78.536907	4.80	II	ADDALATIMMAPUR	205	19.291643	78.565771	9.72	II	FAKIRPET	245	19.328196	78.679774	6.79	II	BHEEMPUR
166	19.269398	78.520668	6.96	II	ADDALATIMMAPUR	206	19.294891	78.558172	5.94	II	FAKIRPET	246	19.326356	78.672724	9.95	II	BHEEMPUR
167	19.265338	78.507600	5.28	IV	ADDALATIMMAPUR	207	19.295421	78.571703	5.97	II	FAKIRPET	247	19.318527	78.644445	25.72	III	BHEEMPUR
168	19.277034	78.535630	9.86	IV	ADDALATIMMAPUR	208	19.299322	78.568236	10.34	II	FAKIRPET	248	19.369284	78.648865	7.46	I	GOPALPUR
169	19.272508	78.522768	19.57	IV	ADDALATIMMAPUR	209	19.290020	78.575265	32.00	III	FAKIRPET	249	19.356541	78.648470	9.85	I	GOPALPUR
170	19.271221	78.517083	7.67	IV	ADDALATIMMAPUR	210	19.288747	78.572194	16.37	IV	FAKIRPET	250	19.360177	78.655891	7.91	II	GOPALPUR
171	19.275915	78.510124	6.57	IV	ADDALATIMMAPUR	211	19.294642	78.577219	10.21	IV	FAKIRPET	251	19.354840	78.651709	34.19	III	GOPALPUR
172	19.245241	78.494758	11.80	I	GOVINDPUR S	212	19.302712	78.495325	7.04	II	GERJAM	252	19.360172	78.682472	13.64	I	LAXMIPUR
173	19.283193	78.484522	20.74	I	KUNTALA	213	19.320399	78.473995	13.91	II	GERJAM	253	19.358285	78.670545	15.39	I	LAXMIPUR
174	19.283077	78.490230	8.84	IV	KUNTALA	214	19.289768	78.510046	6.44	IV	GERJAM	254	19.361525	78.668154	10.77	I	LAXMIPUR
175	19.268411	78.499381	14.42	II	PEESRA N	215	19.333392	78.580546	14.47	I	SIRCHELMA N	255	19.360037	78.670823	32.68	V	LAXMIPUR
176	19.246935	78.495357	9.90	II	PEESRA N	216	19.320559	78.581454	14.09	I	SIRCHELMA N	256	19.382272	78.658350	23.90	II	POCHAMPALLY S
177	19.265744	78.503414	17.20	IV	PEESRA N	217	19.339179	78.568927	30.65	III	SIRCHELMA N	257	19.326381	78.686786	9.43	I	VANKATUMMA W
178	19.270054	78.502152	11.25	IV	PEESRA N	218	19.302588	78.544815	22.22	II	SIRCHELMA S	258	19.331292	78.688664	7.85	I	VANKATUMMA W
179	19.251251	78.511894	8.39	I	PEESRA S	219	19.298618	78.546785	12.09	II	SIRCHELMA S	259	19.346978	78.691938	12.30	I	VANKATUMMA W
180	19.256518	78.501053	8.37	I	PEESRA S	220	19.303452	78.559806	13.68	IV	SIRCHELMA S	260	19.355267	78.676050	13.07	I	VANKATUMMA W
181	19.258801	78.525770	12.29	II	PEESRA S	221	19.291942	78.555446	6.53	IV	SIRCHELMA S	261	19.325243	78.691944	5.89	I	VANKATUMMA W
182	19.258184	78.504845	8.74	IV	PEESRA S	222	19.298071	78.552378	16.62	IV	SIRCHELMA S	262	19.341168	78.663463	11.06	II	VANKATUMMA W
183	19.259013	78.532261	18.89	IV	PEESRA S	223	19.288027	78.556523	6.21	IV	SIRCHELMA S	263	19.328975	78.695689	10.16	II	VANKATUMMA W
184	19.353277	78.694918	7.92	I	KAMAIPET	224	19.348354	78.547246	16.69	I	TALAMADRI	264	19.336392	78.687564	11.66	II	VANKATUMMA W
185	19.371426	78.702072	44.26	III	KAMAIPET	225	19.311540	78.503270	28.89	II	TALAMADRI	265	19.348887	78.681986	12.46	II	VANKATUMMA W
186	19.352442	78.708631	18.83	IV	KAMAIPET	226	19.303924	78.495226	12.29	IV	TALAMADRI	266	19.342358	78.671995	6.53	II	VANKATUMMA W
187	19.363841	78.712248	16.34	IV	KAMAIPET	227	19.368332	78.560103	12.39	I	MADHAPUR	267	19.328774	78.666561	41.31	III	VANKATUMMA W
188	19.354956	78.720972	20.54	IV	KAMAIPET	228	19.328270	78.615086	10.90	I	PALAWAGU	268	19.344224	78.669671	25.65	III	VANKATUMMA W
189	19.350575	78.717070	53.10	V	KAMAIPET	229	19.337563	78.614863	9.91	I	PALAWAGU	269	19.335813	78.686163	5.31	IV	VANKATUMMA W
190	19.390378	78.690641	6.93	II	TANDRA	230	19.333517	78.606463	14.10	I	PALAWAGU	270	19.327200	78.682820	7.00	IV	VANKATUMMA W
191	19.320773	78.697403	17.51	II	VANKATUMMA E	231	19.340481	78.610277	12.40	IV	PALAWAGU	271	19.335059	78.683546	14.02	IV	VANKATUMMA W
192	19.340340	78.714800	10.50	II	VANKATUMMA E	232	19.338787	78.605454	9.50	I	SATHMORI	272	19.347818	78.673364	9.00	IV	VANKATUMMA W
193	19.349019	78.706196	7.19	II	VANKATUMMA E	233	19.316606	78.603435	7.46	I	SATHMORI	273	19.348663	78.666532	17.94	IV	VANKATUMMA W
194	19.347058	78.704260	5.55	II	VANKATUMMA E	234	19.315432	78.587703	6.94	II	SATHMORI	274	19.327030	78.691229	8.87	IV	VANKATUMMA W
195	19.348931	78.714404	13.52	IV	VANKATUMMA E	235	19.334293	78.589563	19.00	IV	SATHMORI	275	19.337579	78.666267	11.98	IV	VANKATUMMA W
196	19.302143	78.527638	14.58	I	BABJIPET	236	19.344646	78.569057	47.29	V	SATHMORI	276	19.342327	78.694075	48.18	V	VANKATUMMA W
197	19.308030	78.521805	6.77	I	BABJIPET	237	19.349831	78.609777	12.50	I	WAIPET S	277	19.336120	78.692711	32.24	V	VANKATUMMA W
198	19.292533	78.537196	6.65	II	BABJIPET	238	19.318140	78.682521	7.90	I	BHEEMPUR	278	19.339183	78.659617	32.17	II	VANKATUMMA W
199	19.299156	78.533020	12.96	II	BABJIPET	239	19.310776	78.659239	10.82	I	BHEEMPUR	279	19.343447	78.650116	7.14	I	WAIPET
200	19.302860	78.533824	20.90	IV	BABJIPET	240	19.313568	78.652441	6.30	I	BHEEMPUR	280	19.350129	78.640782	7.40	I	WAIPET
201	19.293089	78.539225	6.47	IV	BABJIPET	241	19.307101	78.643900	10.63	I	BHEEMPUR	281	19.339996	78.644877	37.76	III	WAIPET
202	19.288032	78.541200	14.40	IV	BABJIPET	242	19.303265	78.645754	10.16	I	BHEEMPUR						
203	19.293149	78.585280	21.94	I	FAKIRPET	243	19.321502	78.681066	8.21	II	BHEEMPUR						

Map Showing Suitability Index for Construction of SMC Works of Babjipet Beat



Division : Uttnoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
196	19.302143	78.527638	14.58	I
197	19.306050	78.521805	6.77	I
198	19.295533	78.537196	6.65	II
199	19.299156	78.533020	12.96	II
200	19.302860	78.532824	20.90	IV
201	19.293869	78.539225	6.47	IV
202	19.288032	78.543200	14.40	IV

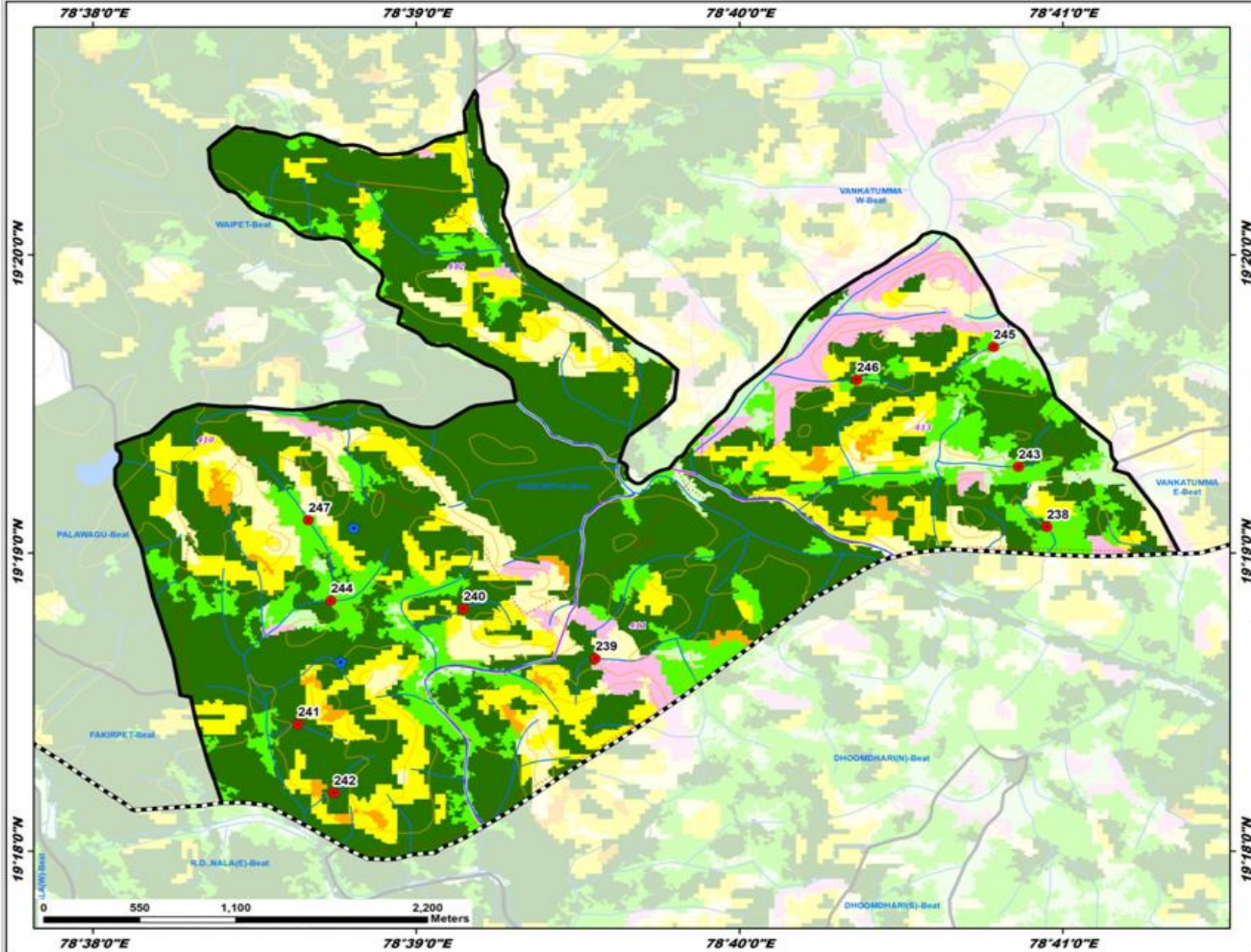
LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 Suitability Index for Construction of SMC Works of Bheempur Beat



Division : Uttoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
238	19.318140	78.682521	7.90	I
239	19.310776	78.658299	10.82	I
240	19.313568	78.652441	6.30	I
241	19.307101	78.649900	10.63	I
242	19.309265	78.645754	10.16	I
243	19.321502	78.681066	8.21	II
244	19.314019	78.645600	23.43	II
245	19.328196	78.679774	6.79	II
246	19.326356	78.672724	9.95	II
247	19.318527	78.644445	25.72	III

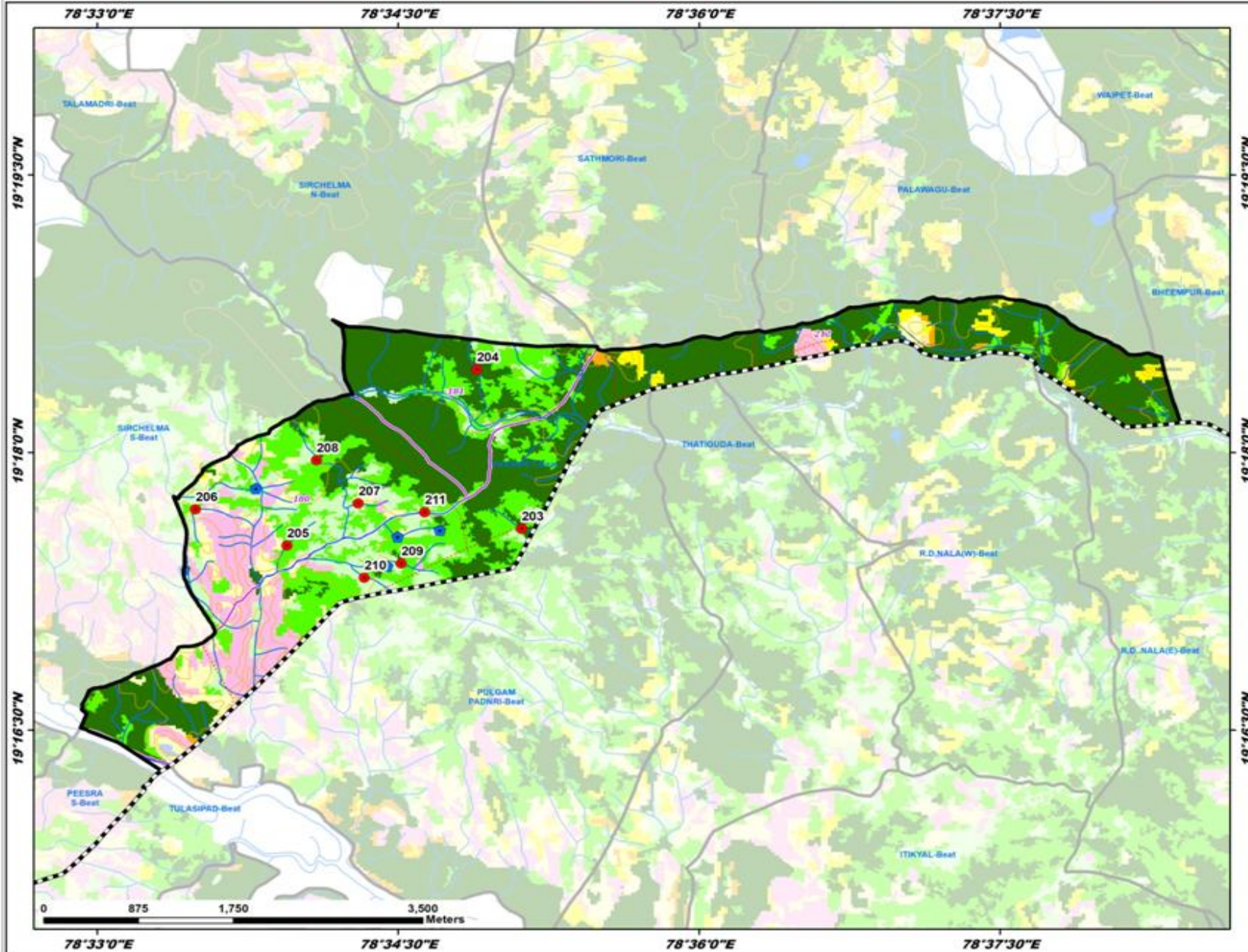
LEGEND

- 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 Fakirpet Beat



Division : Utnoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
203	19.293149	78.585280	21.94	I
204	19.307485	78.581551	12.34	I
205	19.291643	78.565771	9.72	II
206	19.294891	78.558172	5.94	II
207	19.295421	78.571703	5.97	II
208	19.299322	78.568236	10.34	II
209	19.290020	78.575265	32.00	III
210	19.288747	78.572194	16.37	IV
211	19.296642	78.577219	10.21	IV

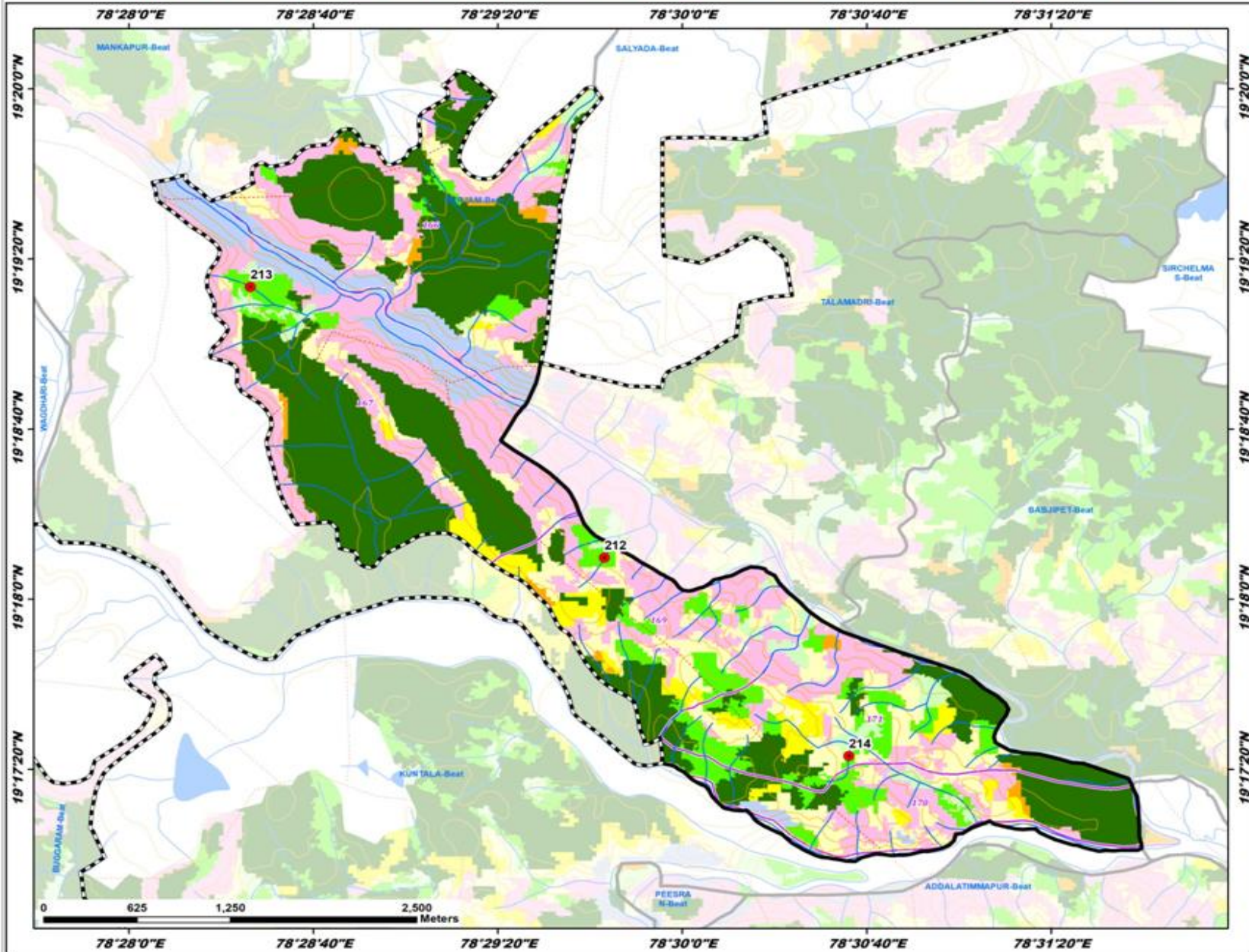
LEGEND

- 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 Gerjam Beat



Division : Uttoor FDPT
Range : Echoda KTR



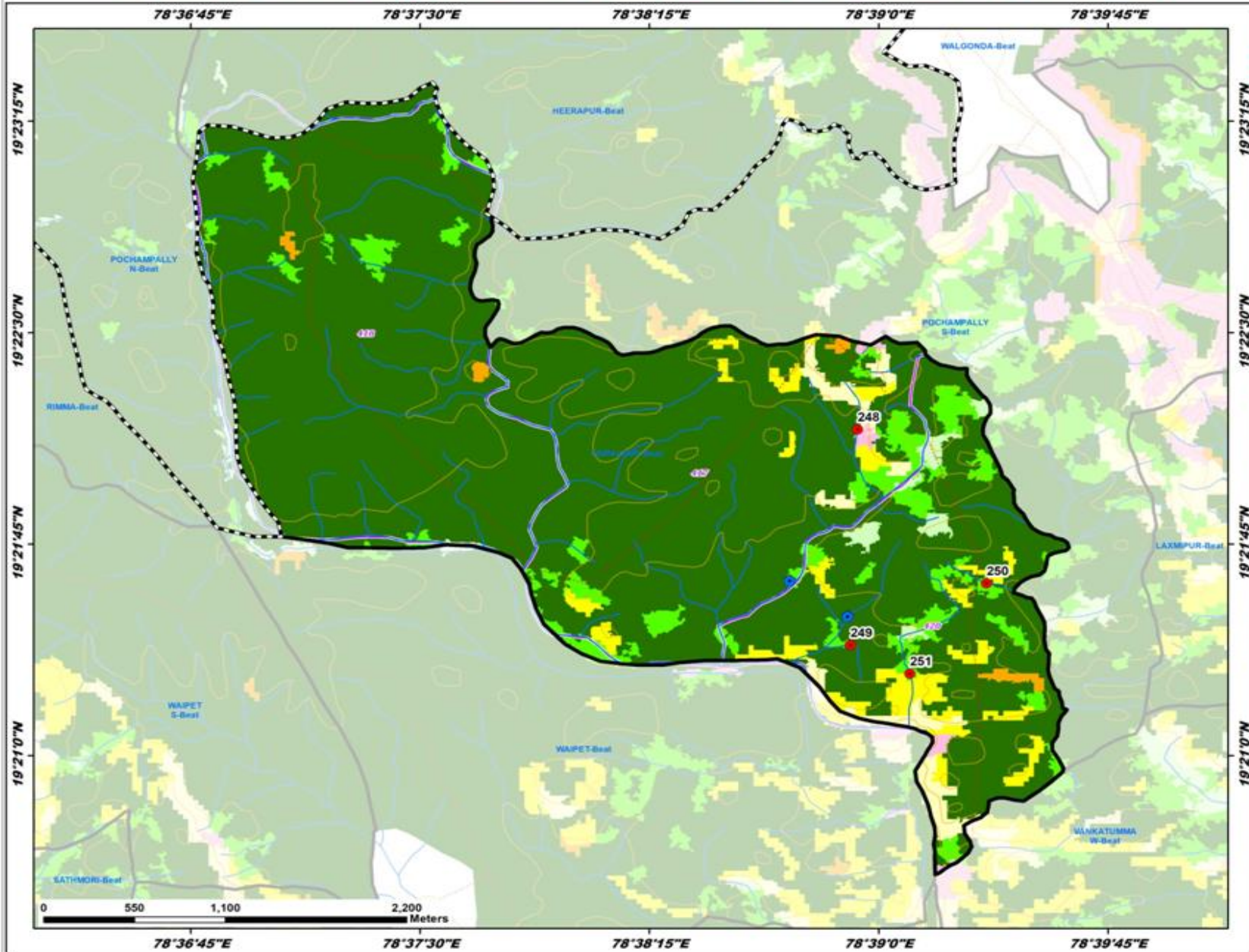
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
212	19.302712	78.495325	7.04	II
213	19.320399	78.473995	13.91	II
214	19.289768	78.510046	6.44	IV

- 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 Gopalpur Beat



Division : Uttoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
248	19.369284	78.648865	7.46	I
249	19.356541	78.648470	9.85	I
250	19.360177	78.655891	7.91	II
251	19.354840	78.651709	34.19	III

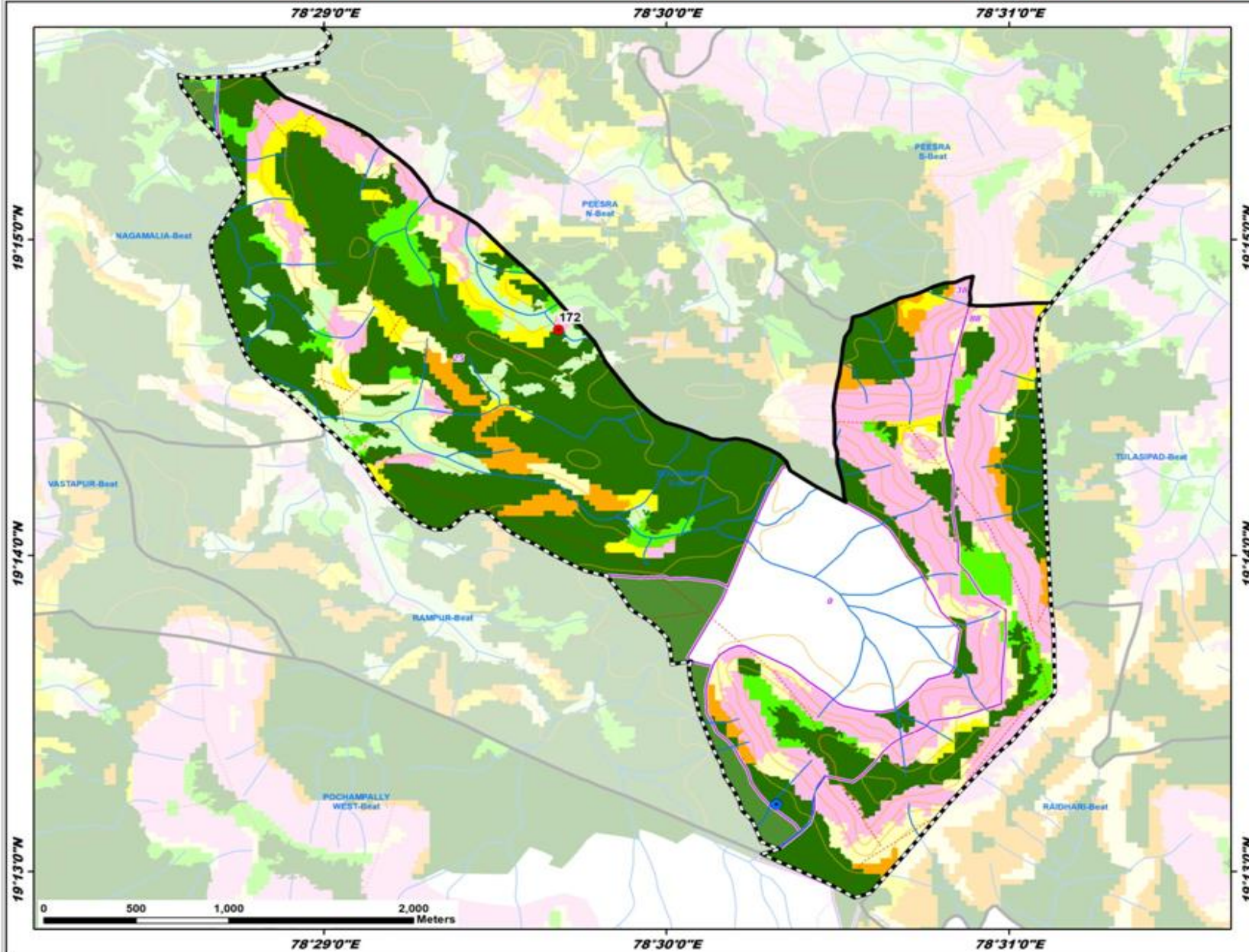
LEGEND

- 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 Govindpur South Beat



Division : Uttoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
172	19.265241	78.494758	11.80	1

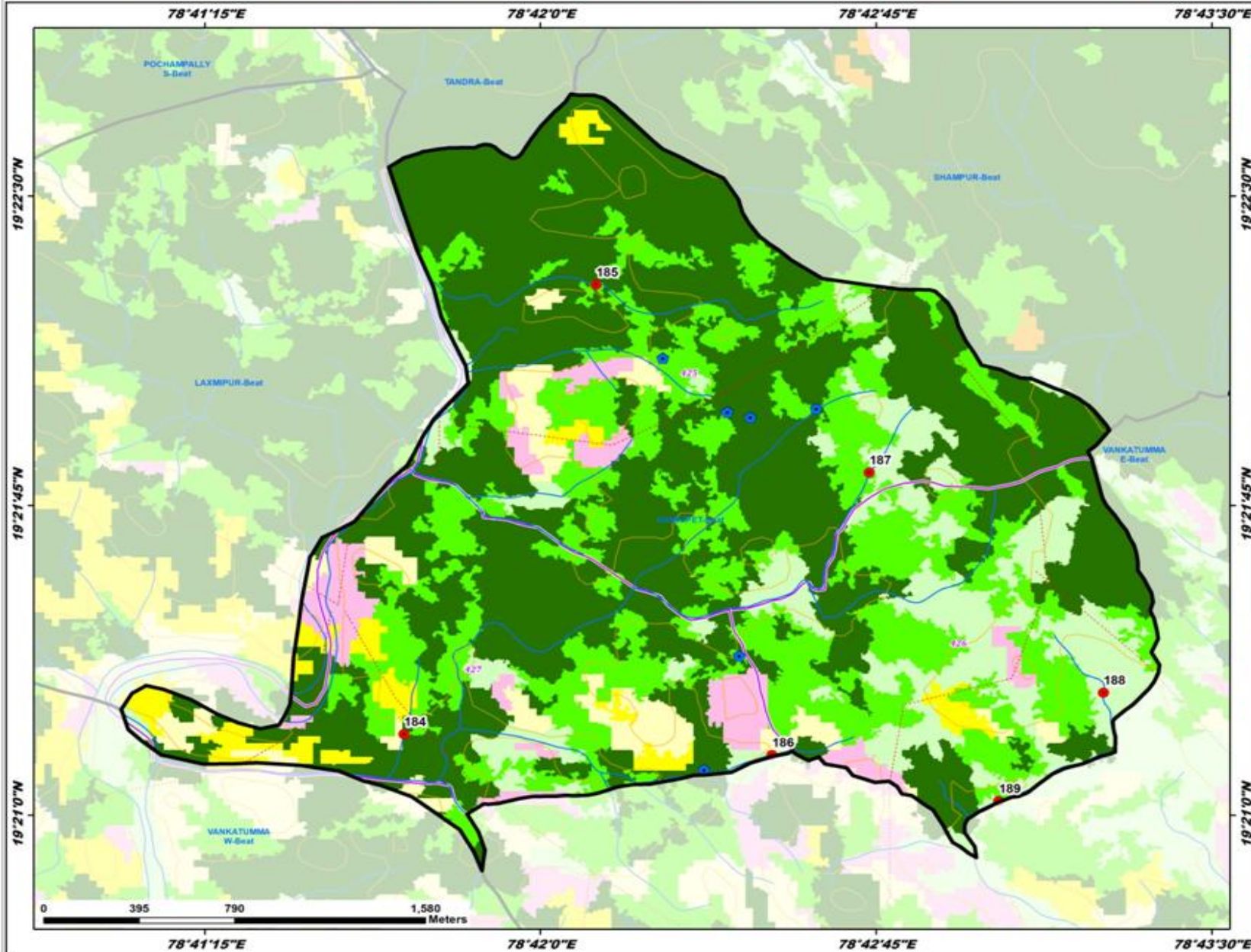
LEGEND

- 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 Kamaipet Beat



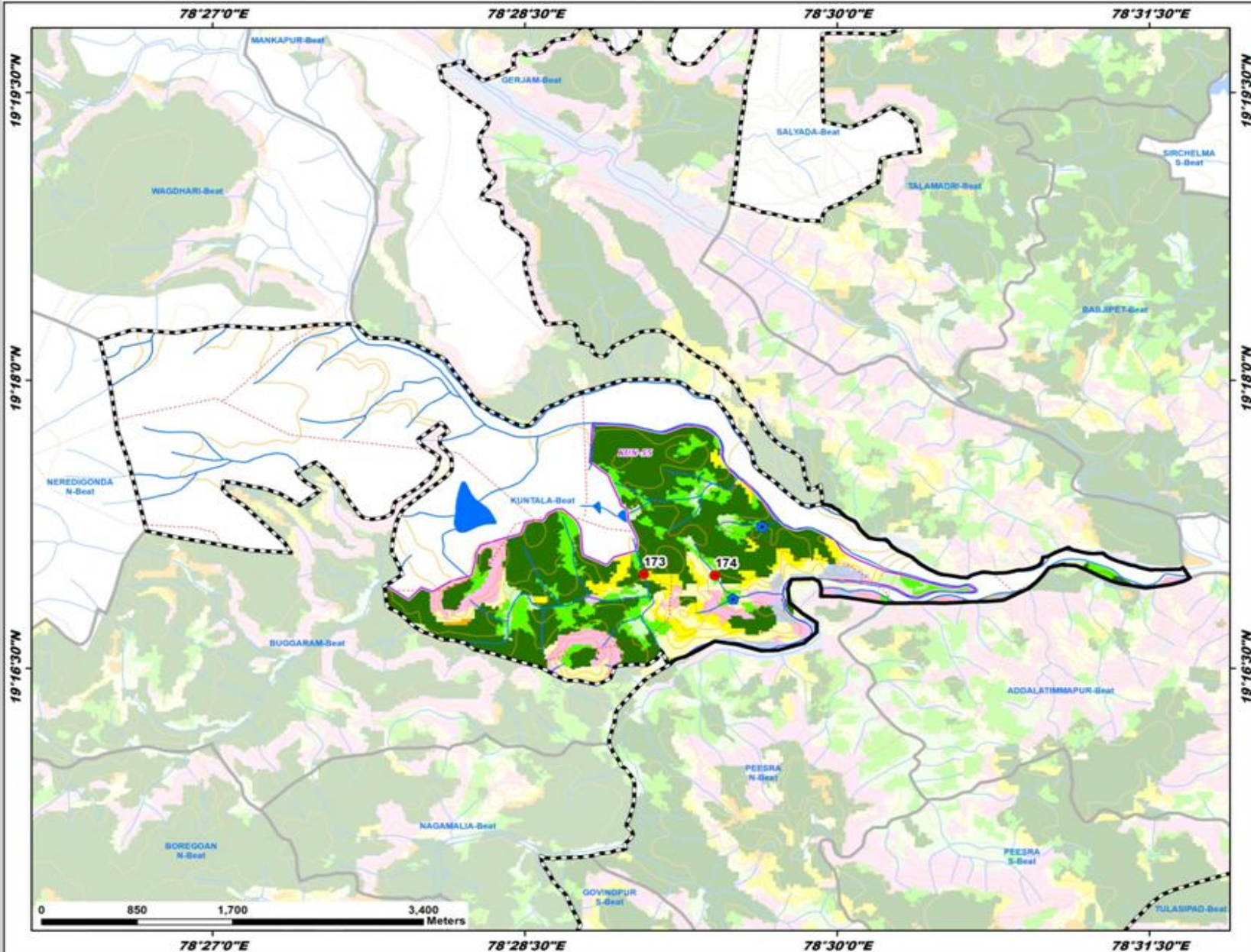
Division : Uttoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
184	19.353277	78.694918	7.92	I
185	19.371426	78.702072	44.26	III
186	19.352442	78.708631	18.83	IV
187	19.363841	78.712248	16.34	IV
188	19.354956	78.720972	20.54	IV
189	19.350575	78.717070	53.10	V

- LEGEND**
- Proposed SPTs
 - Existing CD/PTs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - ▭ Beat Boundary
 - ▭ Division Boundary
 - Suitability Index**
 - CCTs/SCTs - Highly Suitable
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 - 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 Kuntala Beat



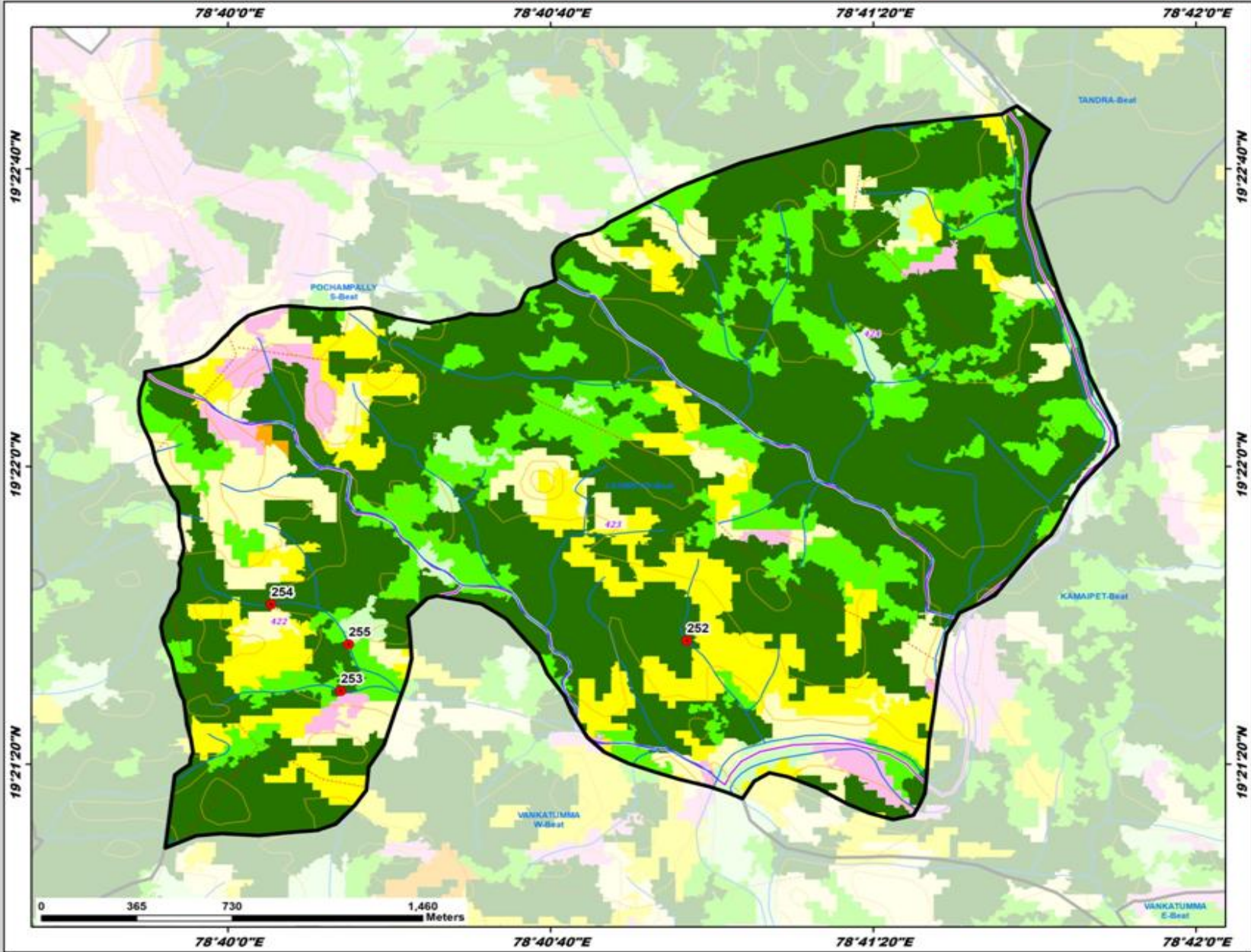
Division : Utnoor FDPT
Range : Echoda KTR

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
173	19.283193	78.484522	20.74	I
174	19.283077	78.490230	8.84	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 Laxmipur Beat



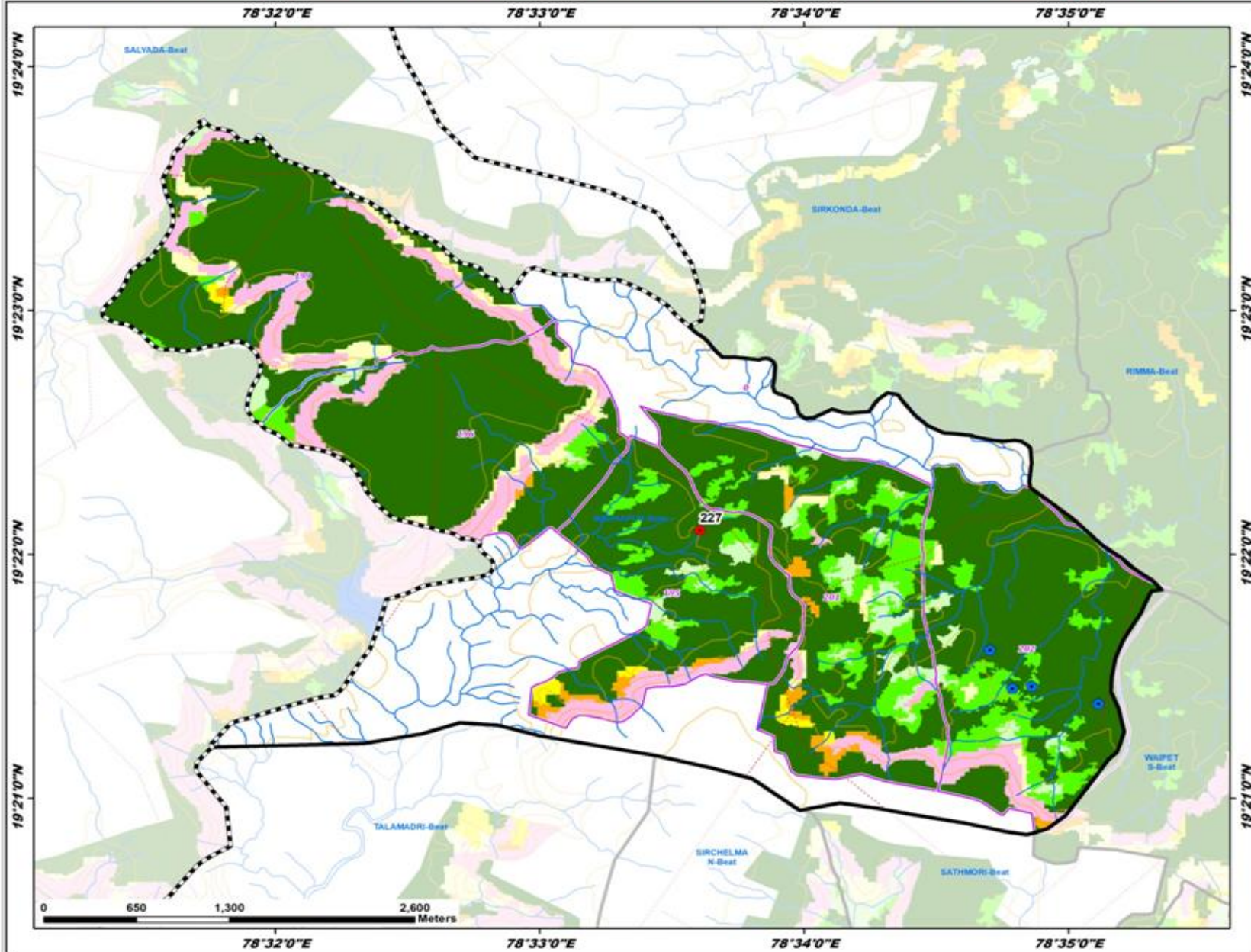
Division : Utnoor FDPT
Range : Echoda KTR

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
252	19.360172	78.682472	13.64	I
253	19.358285	78.670545	15.39	I
254	19.361525	78.668154	10.77	I
255	19.360037	78.670823	32.68	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 Madhapur Beat



Division : Utnoor FDPT
Range : Echoda KTR

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
227	19.36832	78.560103	12.39	1

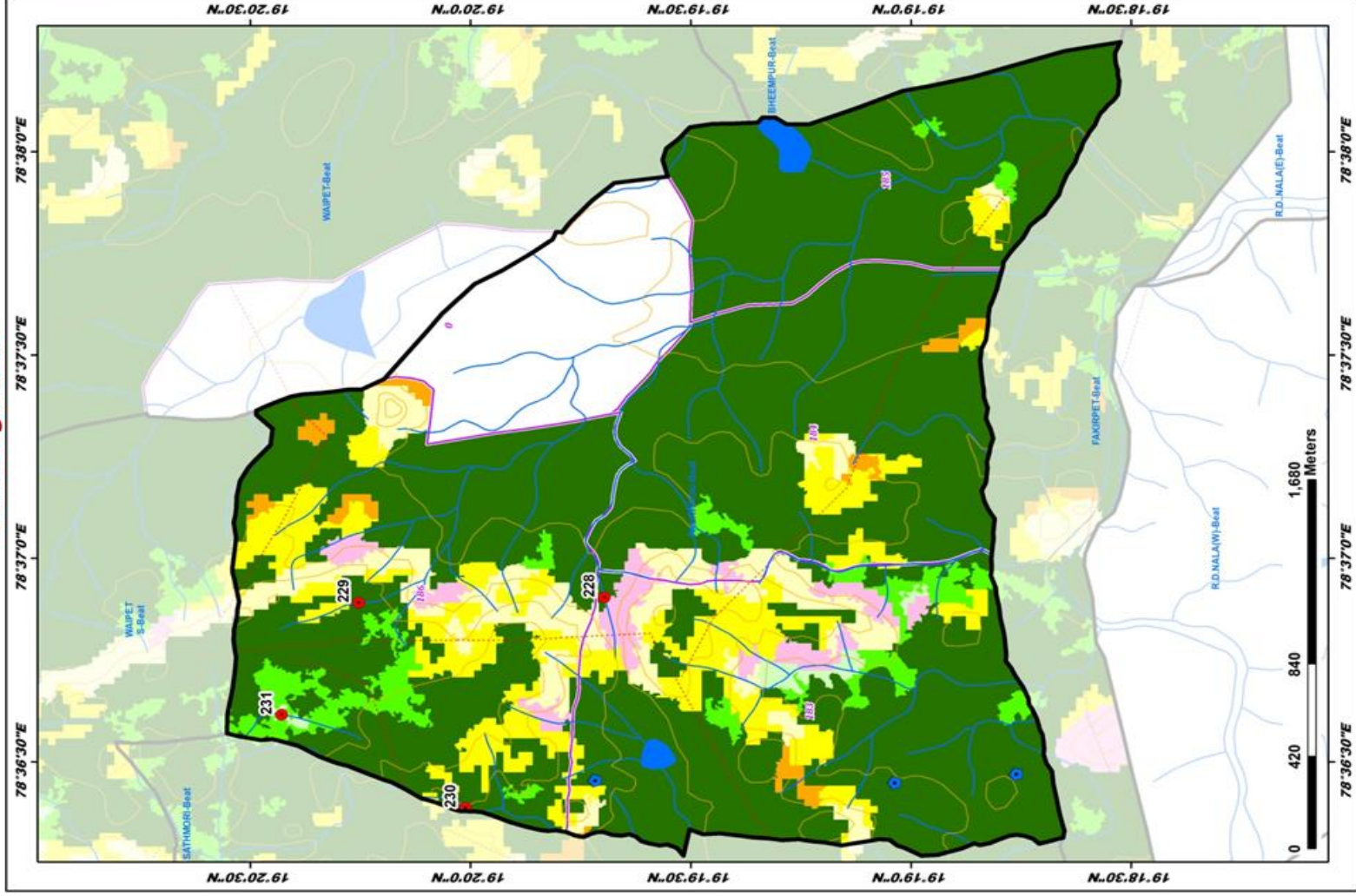
LEGEND

- 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 Palawagu Beat



Division : Utnoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
228	19.320270	78.615006	10.90	I
229	19.337563	78.616863	9.91	I
230	19.333537	78.606463	14.10	I
231	19.340481	78.610277	12.40	IV

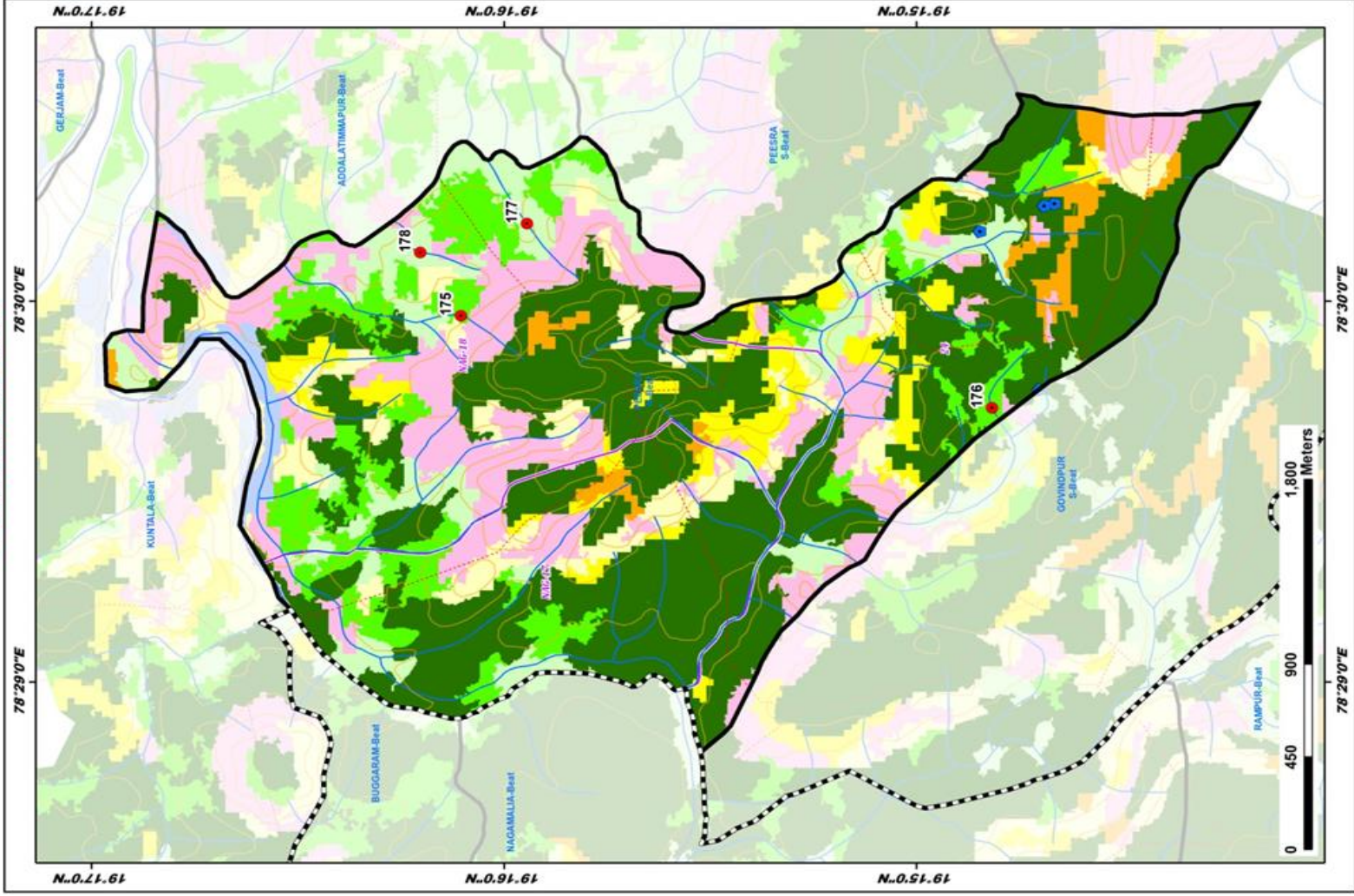
LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 Suitability Index for Construction of SMC Works of Peesra North Beat



Division : Uttnoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
175	19.268411	78.499381	14.42	II
176	19.246935	78.495357	9.30	II
177	19.265744	78.503414	17.20	IV
178	19.270054	78.502152	11.25	IV

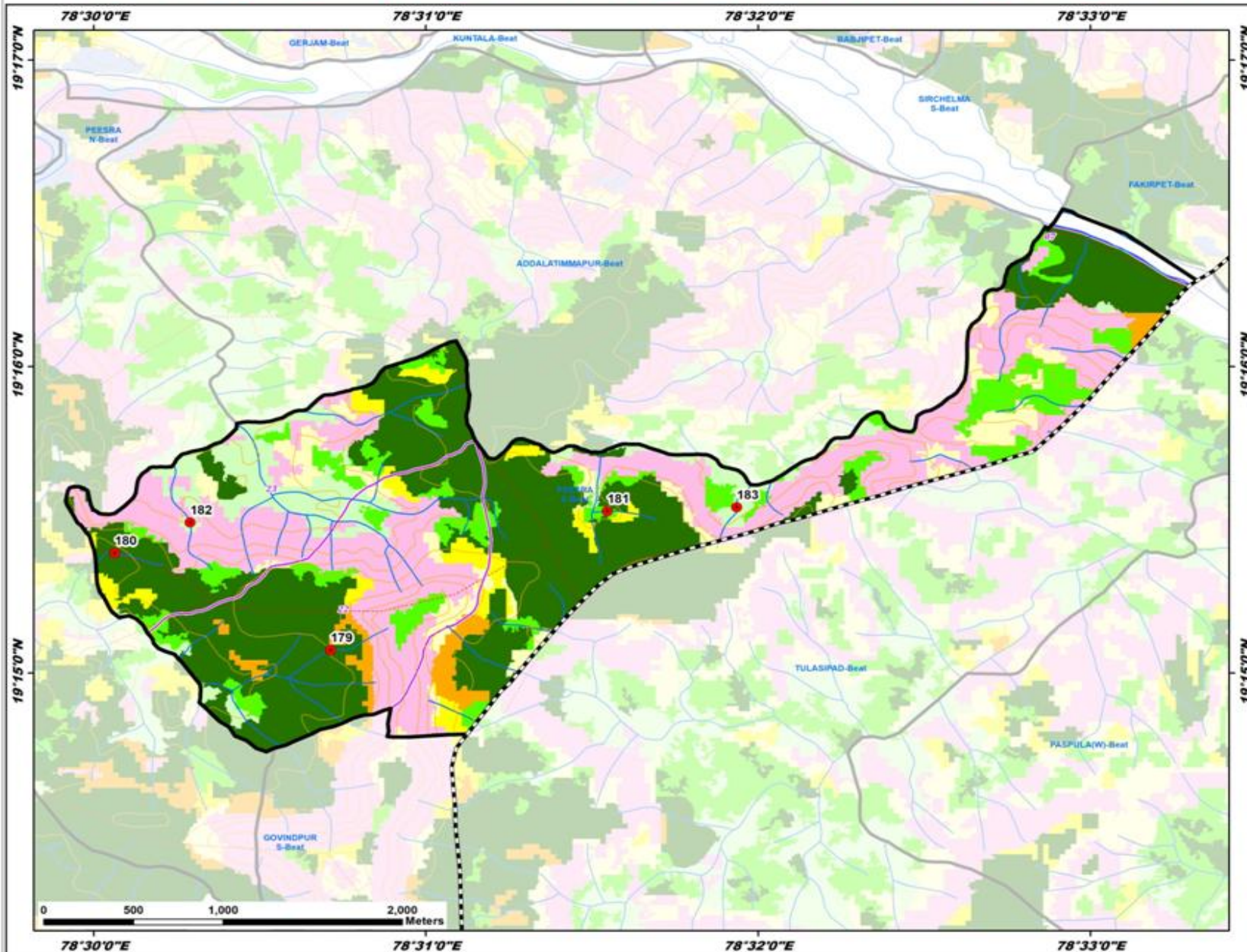
LEGEND

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

Map Showing Suitability Index for Construction of SMC Works of Peesra South Beat



Division : Utnoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
179	19.251251	78.511894	8.39	I
180	19.256518	78.501053	8.37	I
181	19.258801	78.525770	12.29	II
182	19.258184	78.504845	8.74	IV
183	19.259013	78.532261	18.89	IV

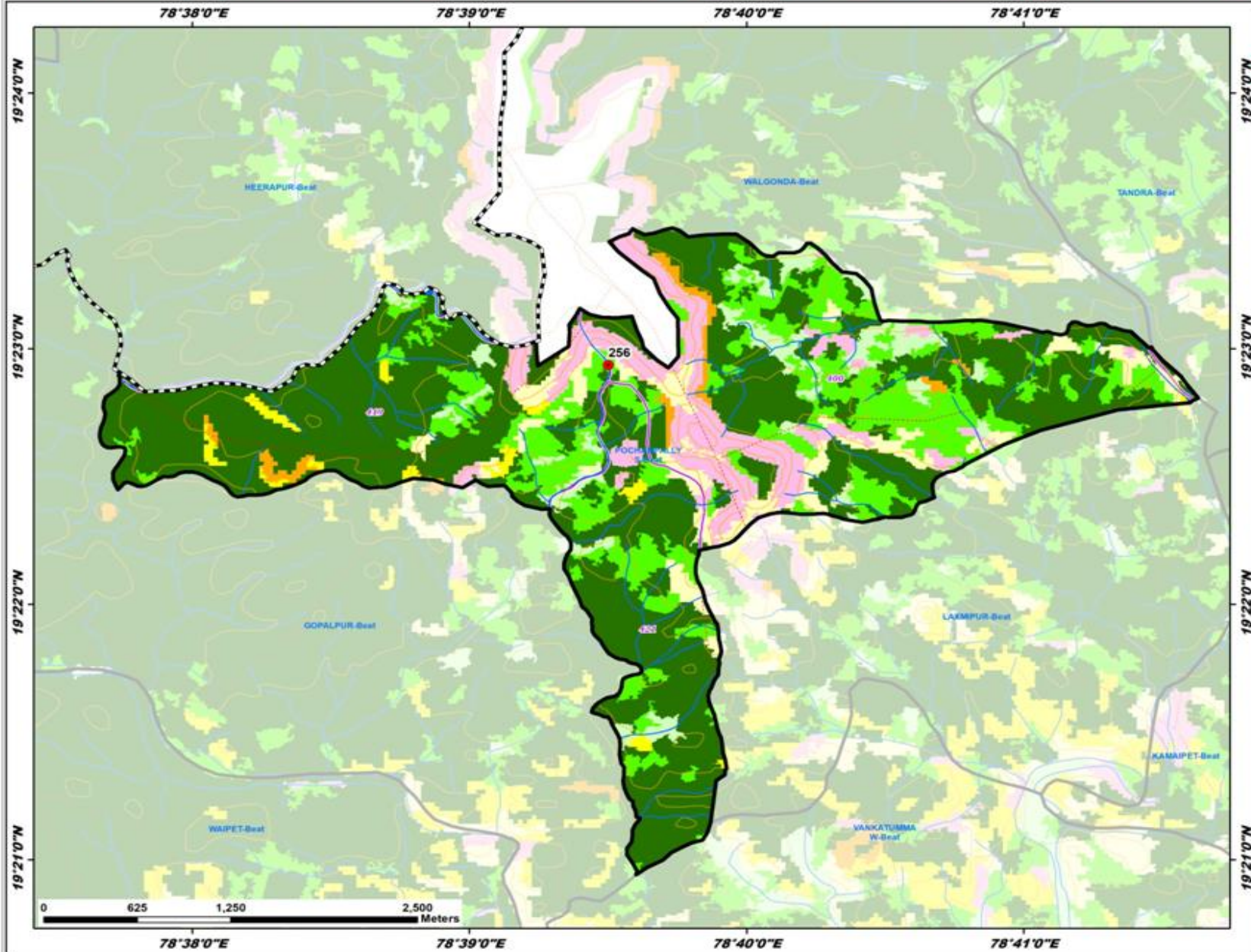
LEGEND

- 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
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- Not Suitable
- Water Body

Map Showing Suitability Index for Construction of SMC Works of Pochampally South Beat



Division : Uttoor FDPT
Range : Echoda KTR



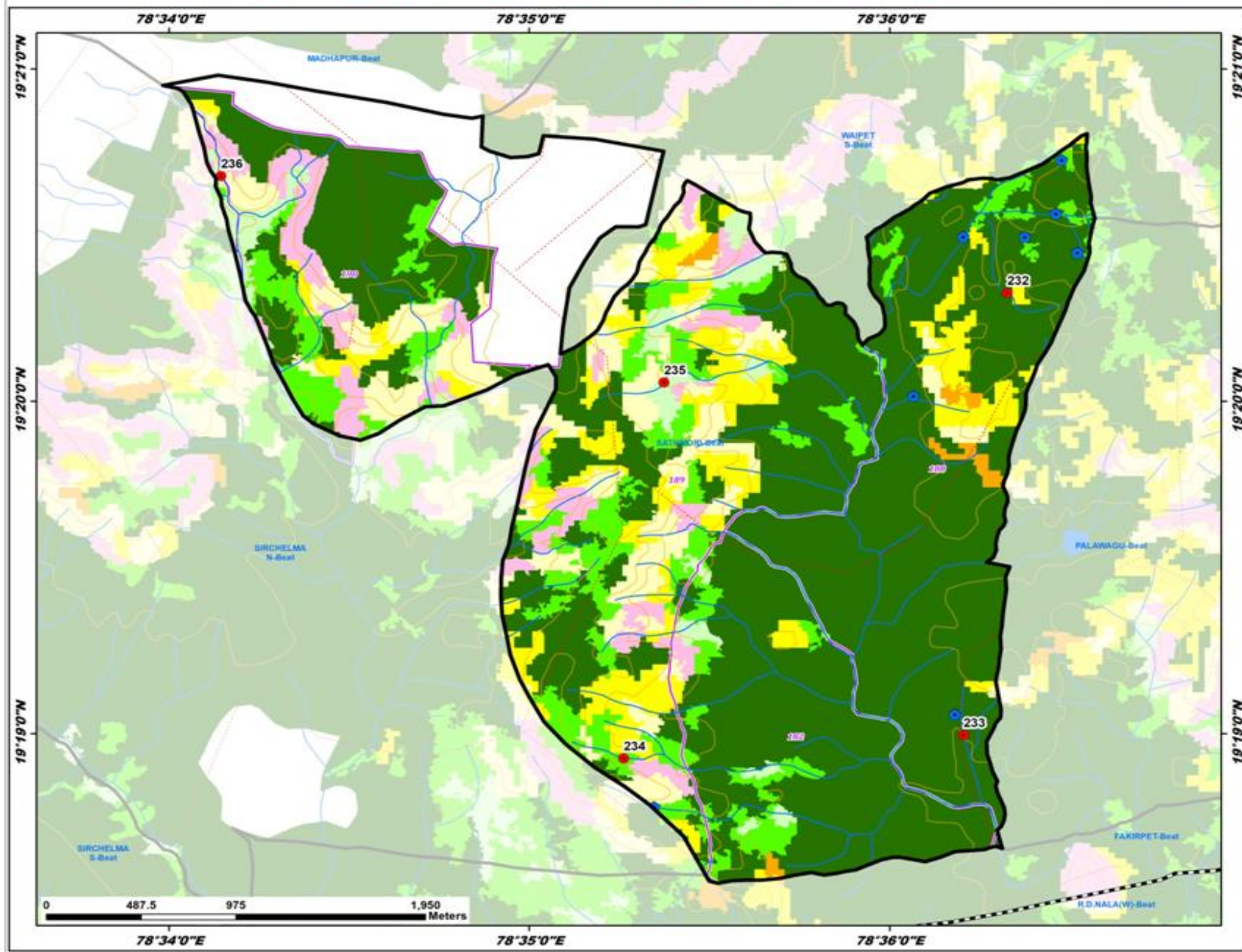
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
256	19.382272	78.658350	23.90	II

- LEGEND**
- Existing CD/PTs
 - Contours
 - Streams
 - Streams
 - Watershed Boundary
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 - Beat Boundary
 - Division Boundary
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Map Showing Suitability Index for Construction of SMC Works of Sathmori Beat



Division : Uttoor FDPT
Range : Echoda KTR



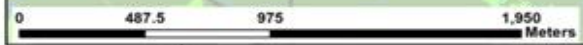
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
232	19.338787	78.605454	9.50	I
233	19.316606	78.603435	7.46	I
234	19.315432	78.587703	6.94	II
235	19.334293	78.589563	19.00	IV
236	19.346646	78.569057	47.29	V

LEGEND

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

Suitability Index

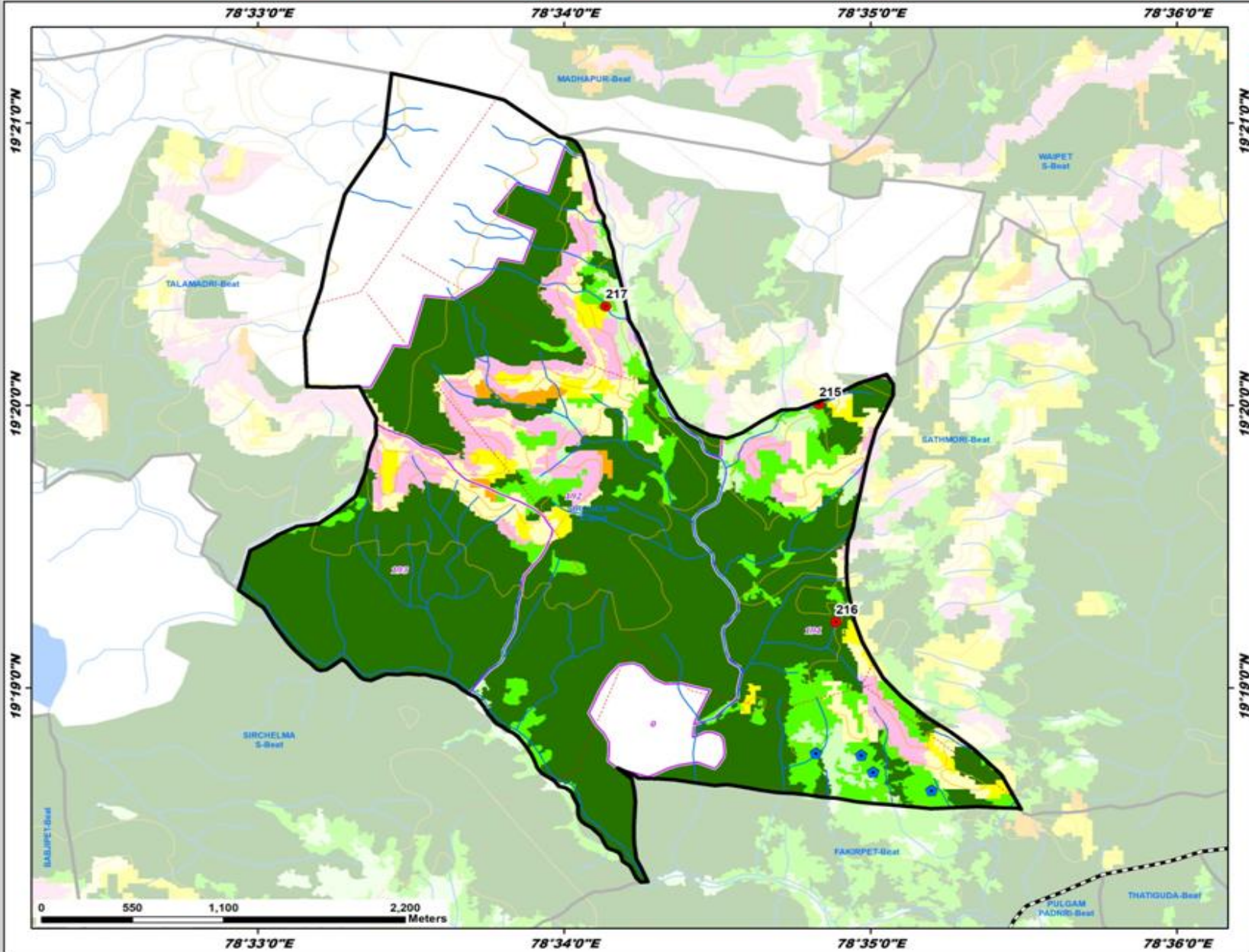
- CCTs/SCTs - Highly Suitable
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Map Showing Suitability Index for Construction of SMC Works of Sirchelma North Beat



Division : Utnoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
215	19.333392	78.580546	14.47	I
216	19.320559	78.581454	14.09	I
217	19.339179	78.568927	30.65	III

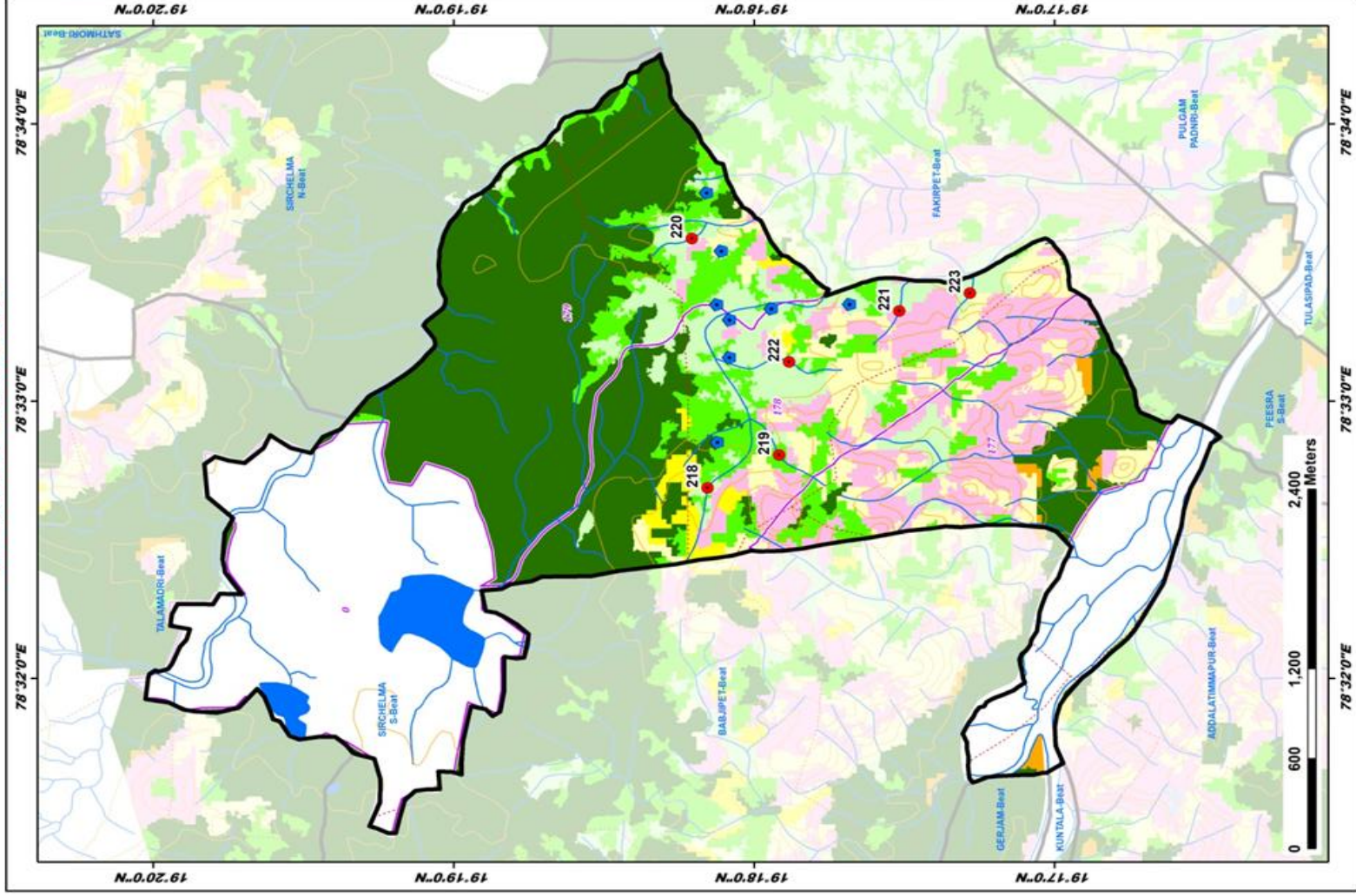
LEGEND

- Proposed PTs
- Existing CD/PTs
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- Streams
- Watershed Boundary
- Compartment Boundary
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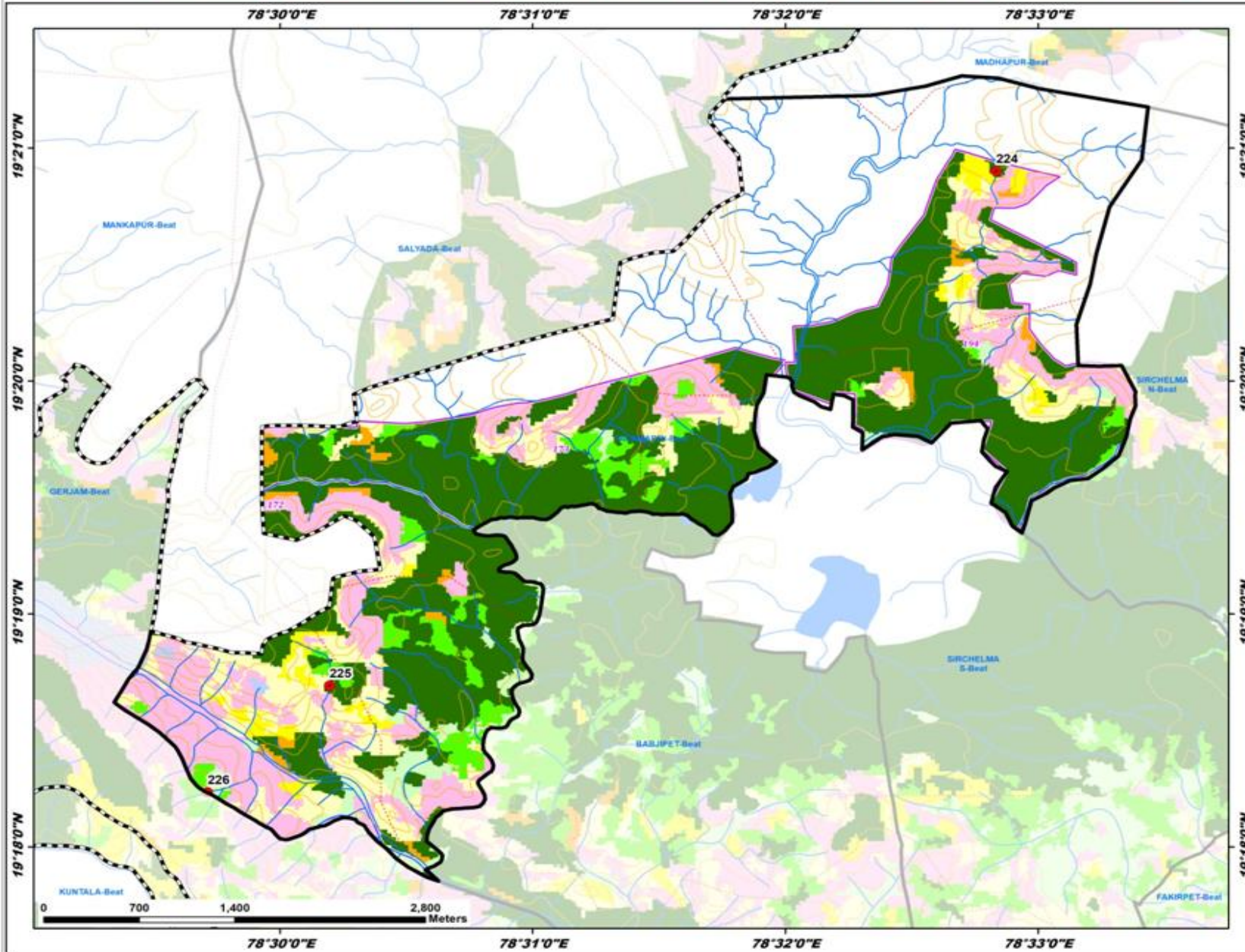


Map Showing Suitability Index for Construction of SMC Works of Sirchelma South Beat

Division : Uttoor FDPT
Range : Echoda KTR



Map Showing Suitability Index for Construction of SMC Works of Talamadri Beat



Division : Uttoor FDPT
Range : Echoda KTR

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
224	19.348354	78.547246	16.69	I
225	19.311540	78.503270	28.89	II
226	19.303924	78.495226	12.29	IV

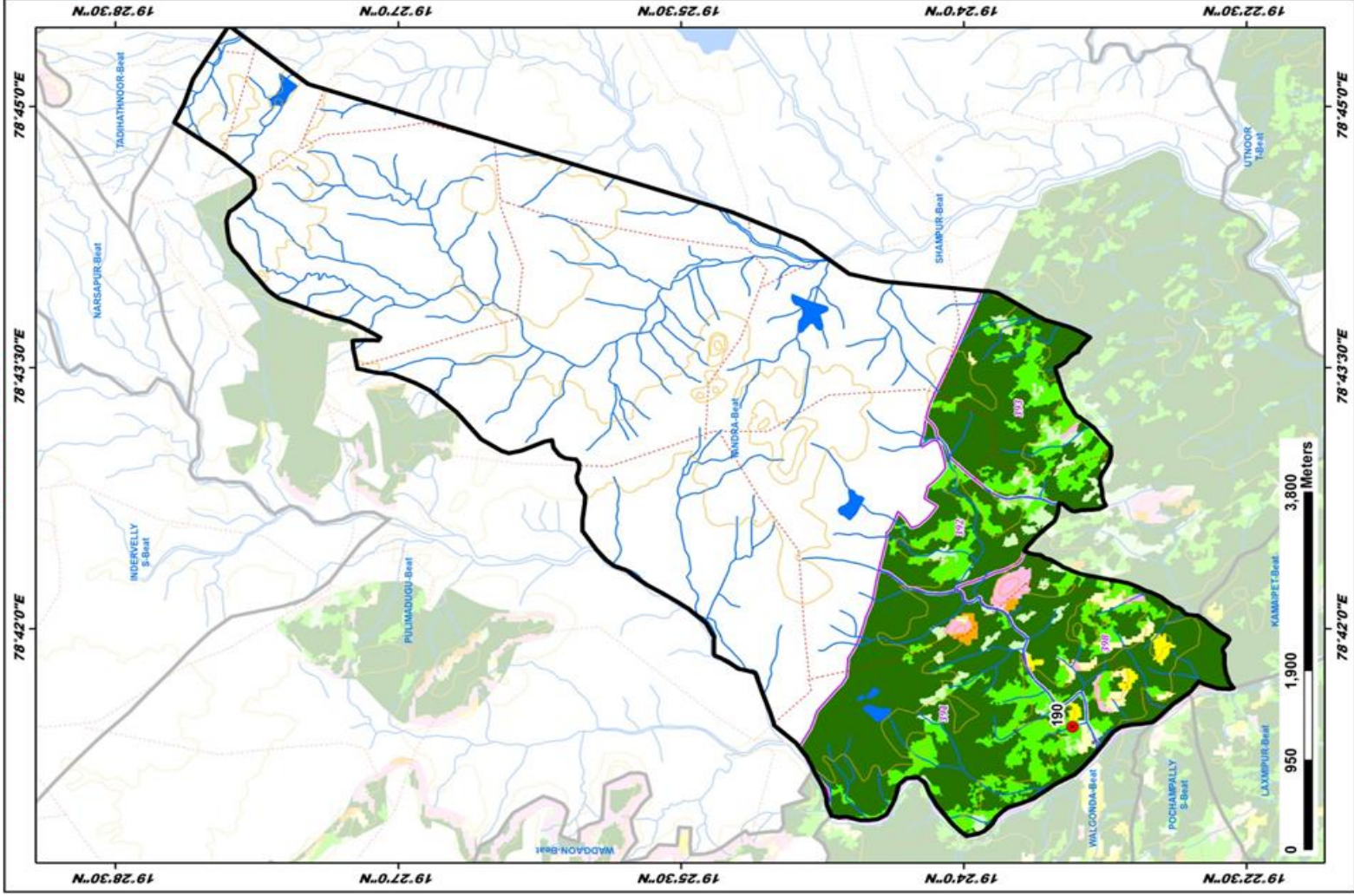
LEGEND

- Proposed PTs
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- Streams
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Map Showing Suitability Index for Construction of SMC Works of Tandra Beat



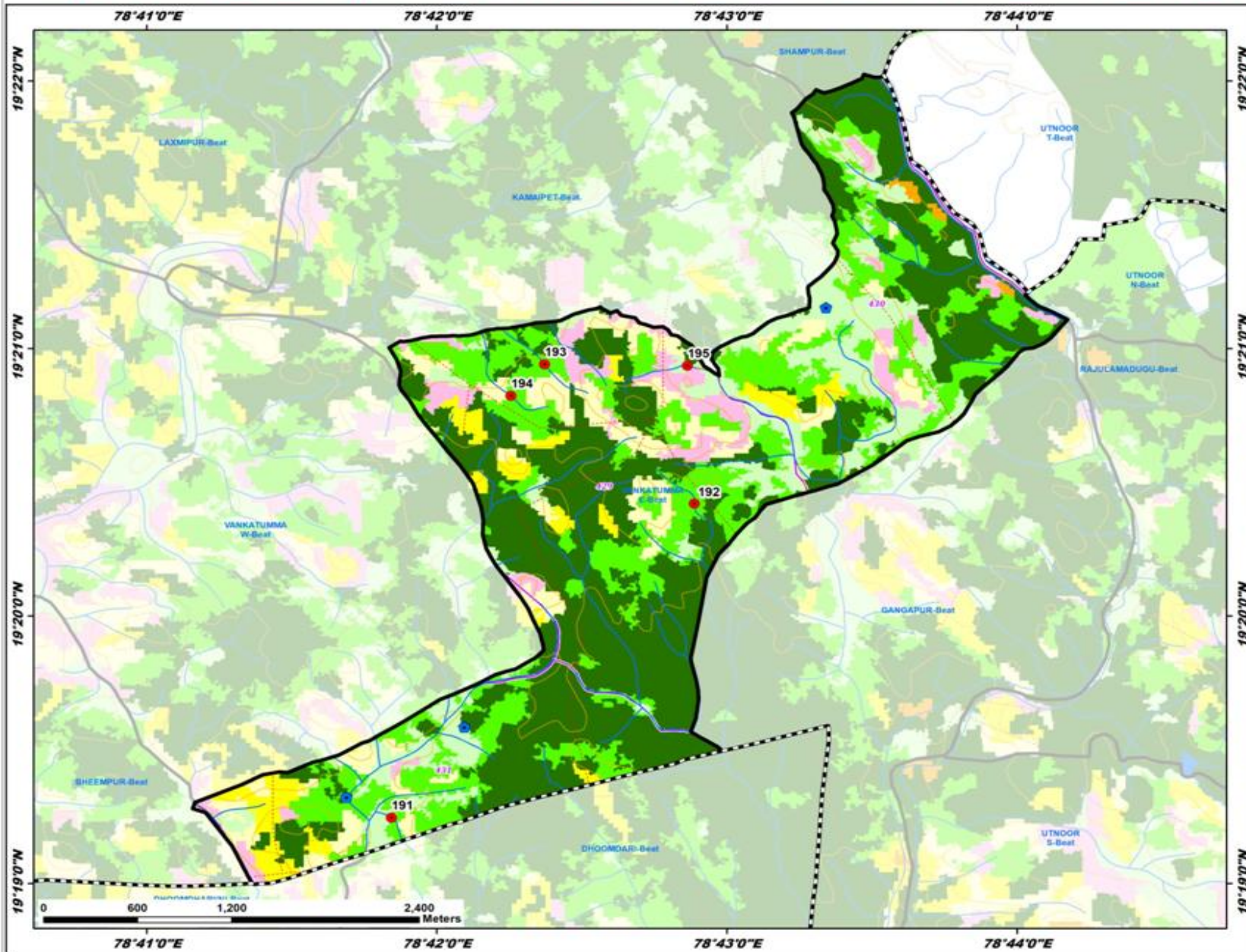
Division : Uttoor FDPT
Range : Echoda KTR



Map Showing Suitability Index for Construction of SMC Works of Vankatamma East Beat



Division : Utnoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
191	19.320773	78.697403	17.51	II
192	19.340340	78.714800	10.50	II
193	19.349019	78.706196	7.19	II
194	19.347058	78.704260	5.55	II
195	19.348991	78.714404	13.52	IV

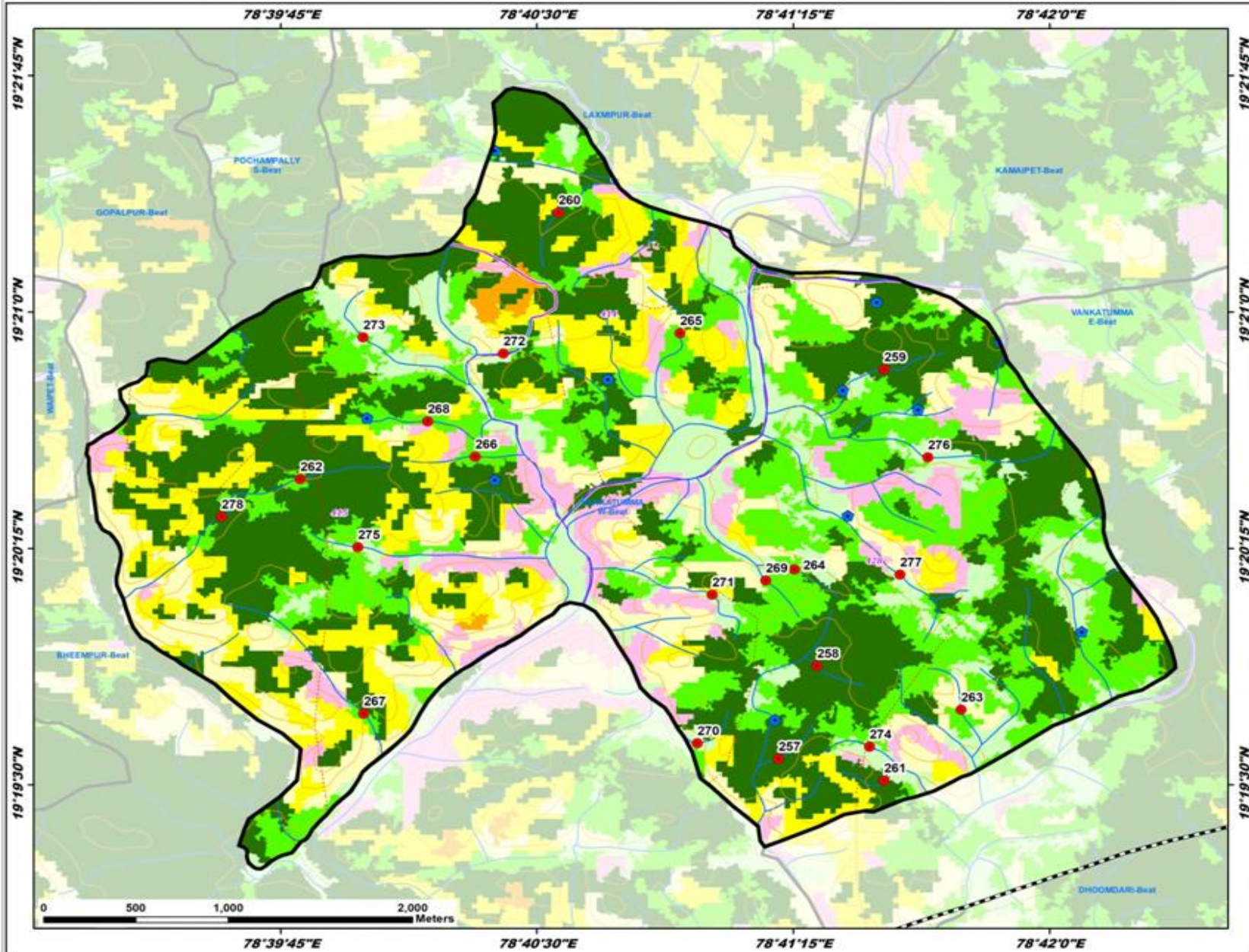
LEGEND

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- Existing CD/PTs
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- Streams
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- Water Body

Map Showing Suitability Index for Construction of SMC Works of Vankatamma West Beat



Division : Utnoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
257	19.326381	78.686786	9.43	I
258	19.331292	78.688664	7.85	I
259	19.346978	78.691938	12.30	I
260	19.355267	78.676050	13.07	I
261	19.325243	78.691944	5.89	I
262	19.341168	78.663463	11.06	II
263	19.328975	78.695689	10.16	II
264	19.336392	78.687564	11.66	II
265	19.348887	78.681986	12.46	II
266	19.342358	78.671995	6.53	II
267	19.328774	78.668561	41.31	III
268	19.344224	78.669671	25.65	III
269	19.335813	78.686163	5.31	IV
270	19.327200	78.682820	7.00	IV
271	19.335059	78.683546	14.02	IV
272	19.347818	78.673364	9.00	IV
273	19.348663	78.668532	17.94	IV
274	19.327030	78.691229	8.87	IV
275	19.337579	78.666267	11.98	IV
276	19.342327	78.694075	48.18	V
277	19.336120	78.692711	32.24	V
278	19.339183	78.659617	32.17	II

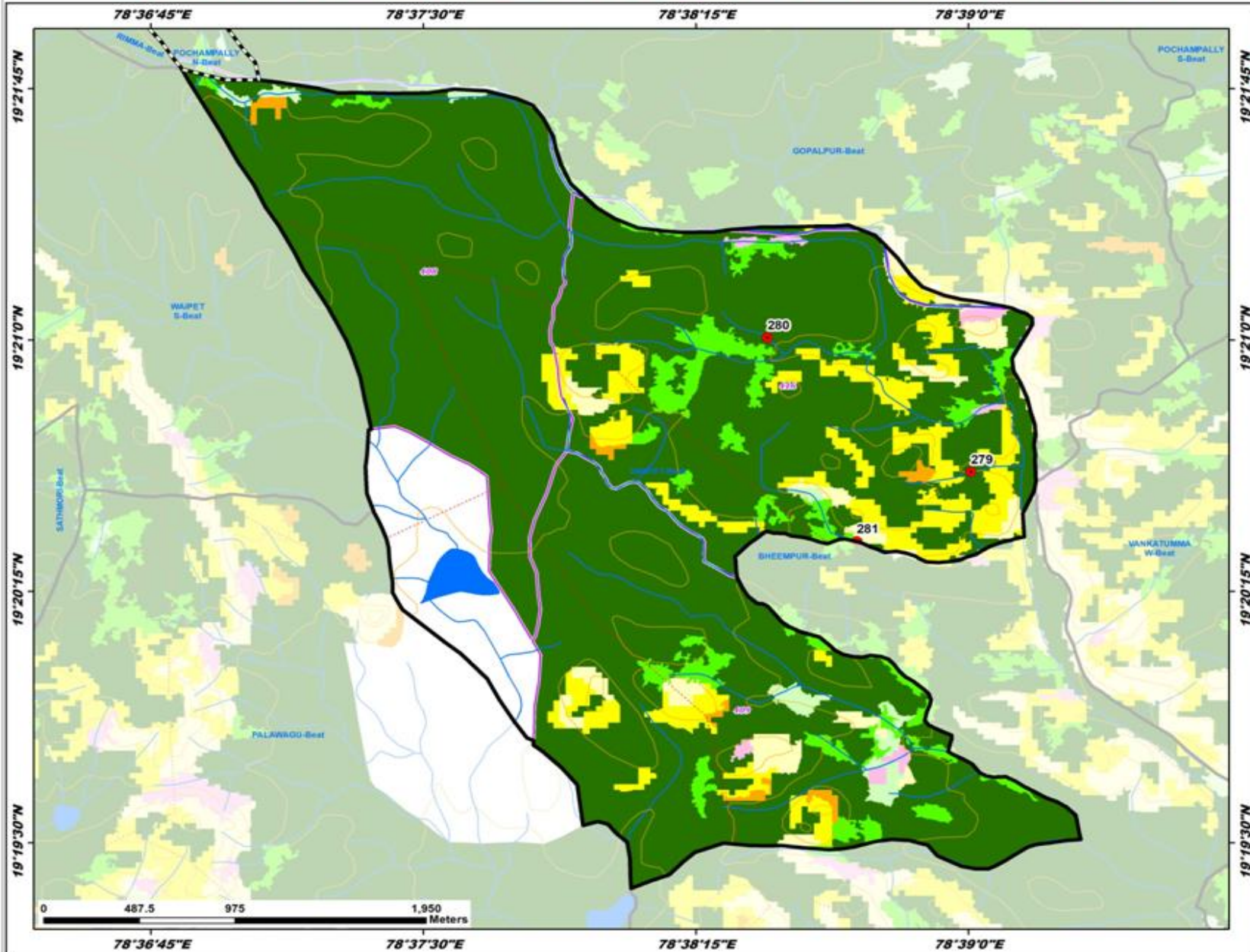
LEGEND

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Map Showing Suitability Index for Construction of SMC Works of Waipet Beat



Division : Utnoor FDPT
Range : Echoda KTR



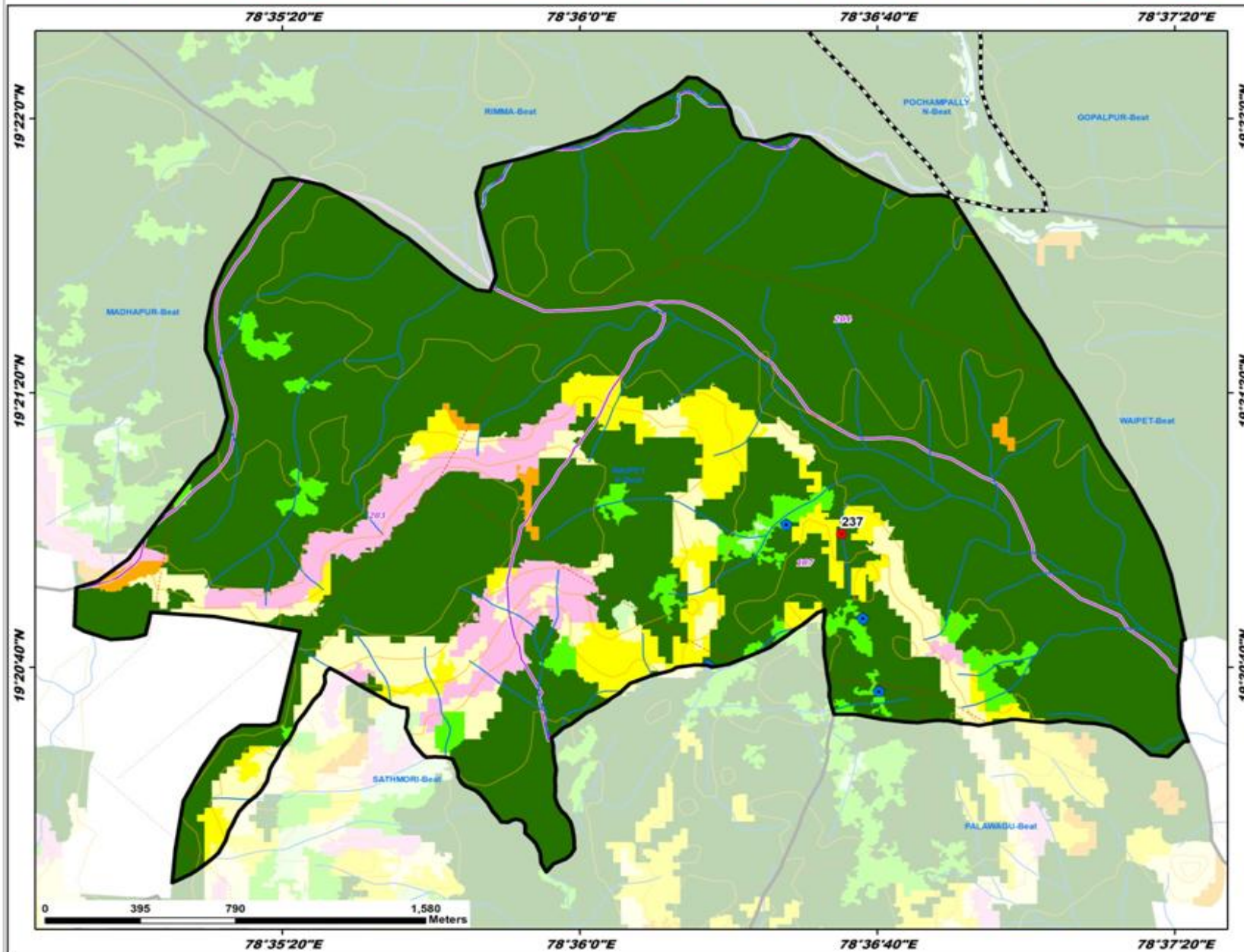
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
279	19.343447	78.650116	7.14	I
280	19.350129	78.640782	7.40	I
281	19.339996	78.648877	37.76	III

- LEGEND**
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Map Showing Suitability Index for Construction of SMC Works of Waipet South Beat



Division : Utnoor FDPT
Range : Echoda KTR



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
237	19.349831	78.609777	12.50	I

LEGEND

- Existing CD/PTs
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