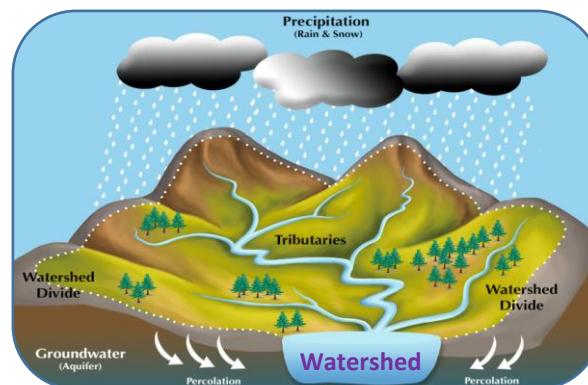


Government of Telangana – Forest Department



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



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

**Circle: Basara
District: Adilabad
Division: Adilabad**

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

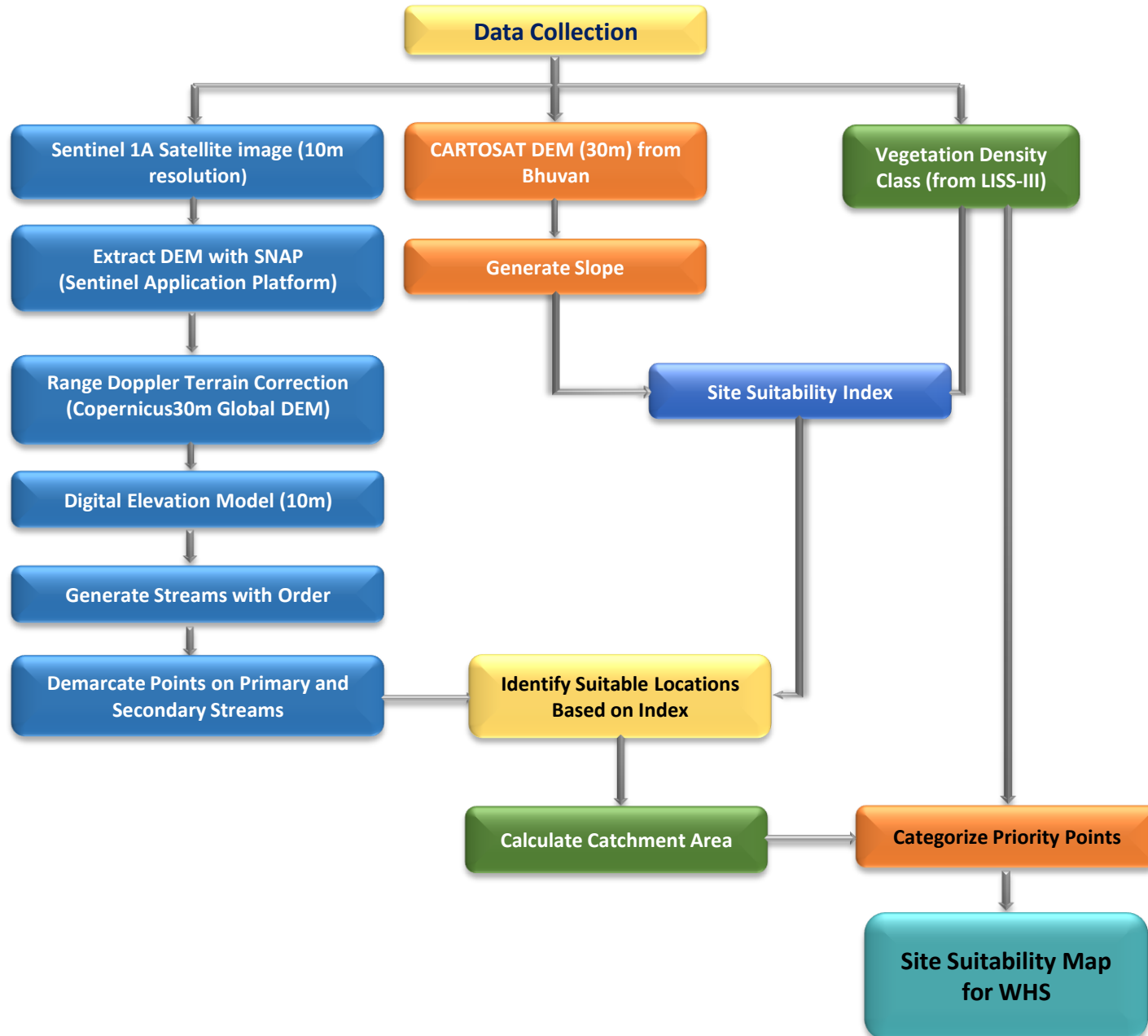
METHODOLOGY

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

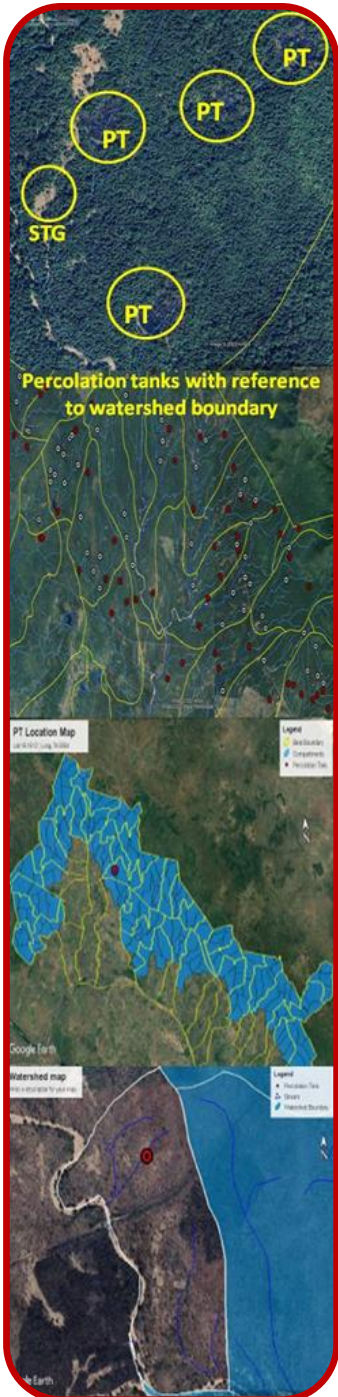
Suitability criteria for Continuous/Staggered contour trenches

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



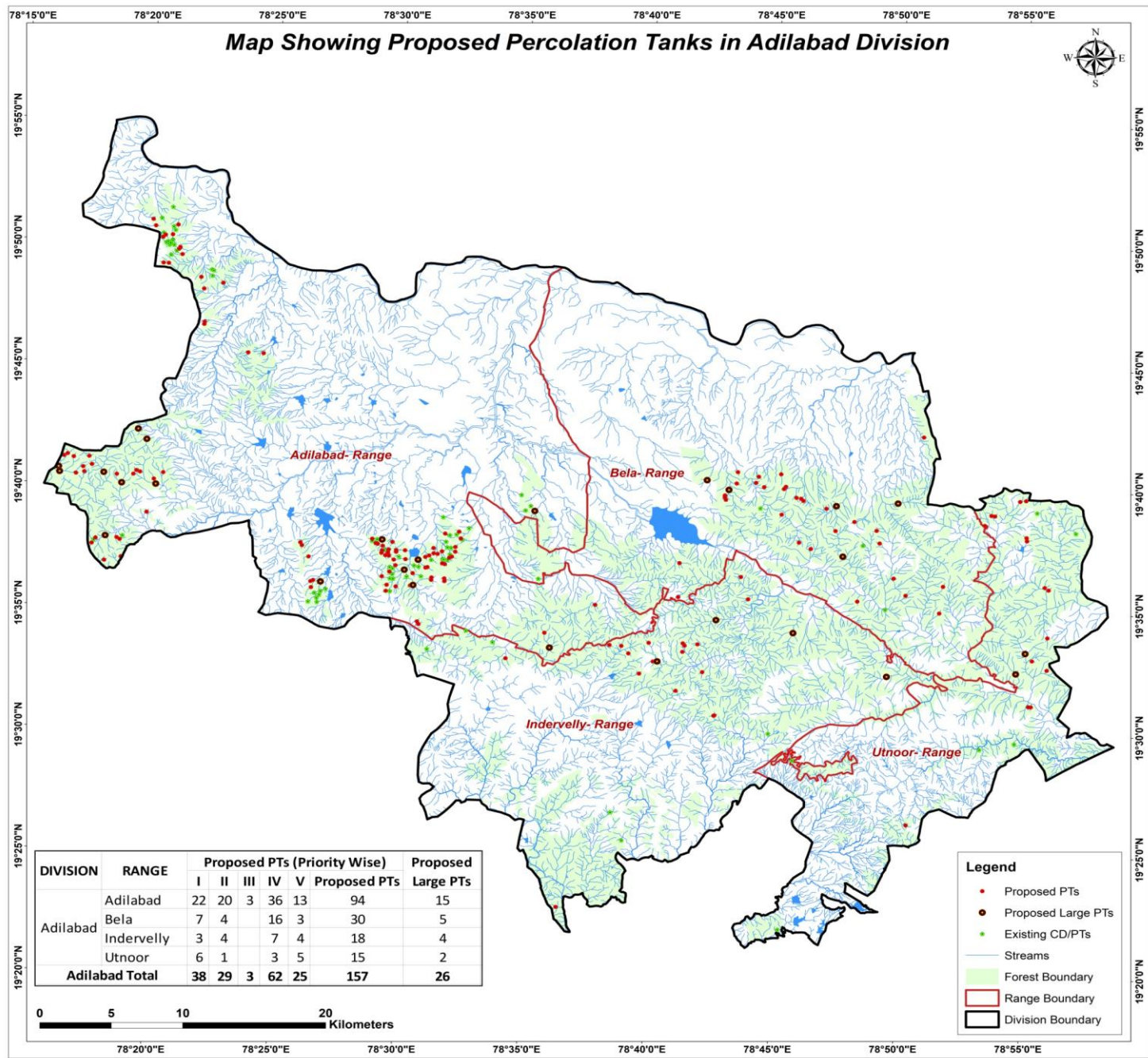
PRIORITY CLASSES FOR PERCOLATION TANK

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





Map Showing Proposed Percolation Tanks in Adilabad Division



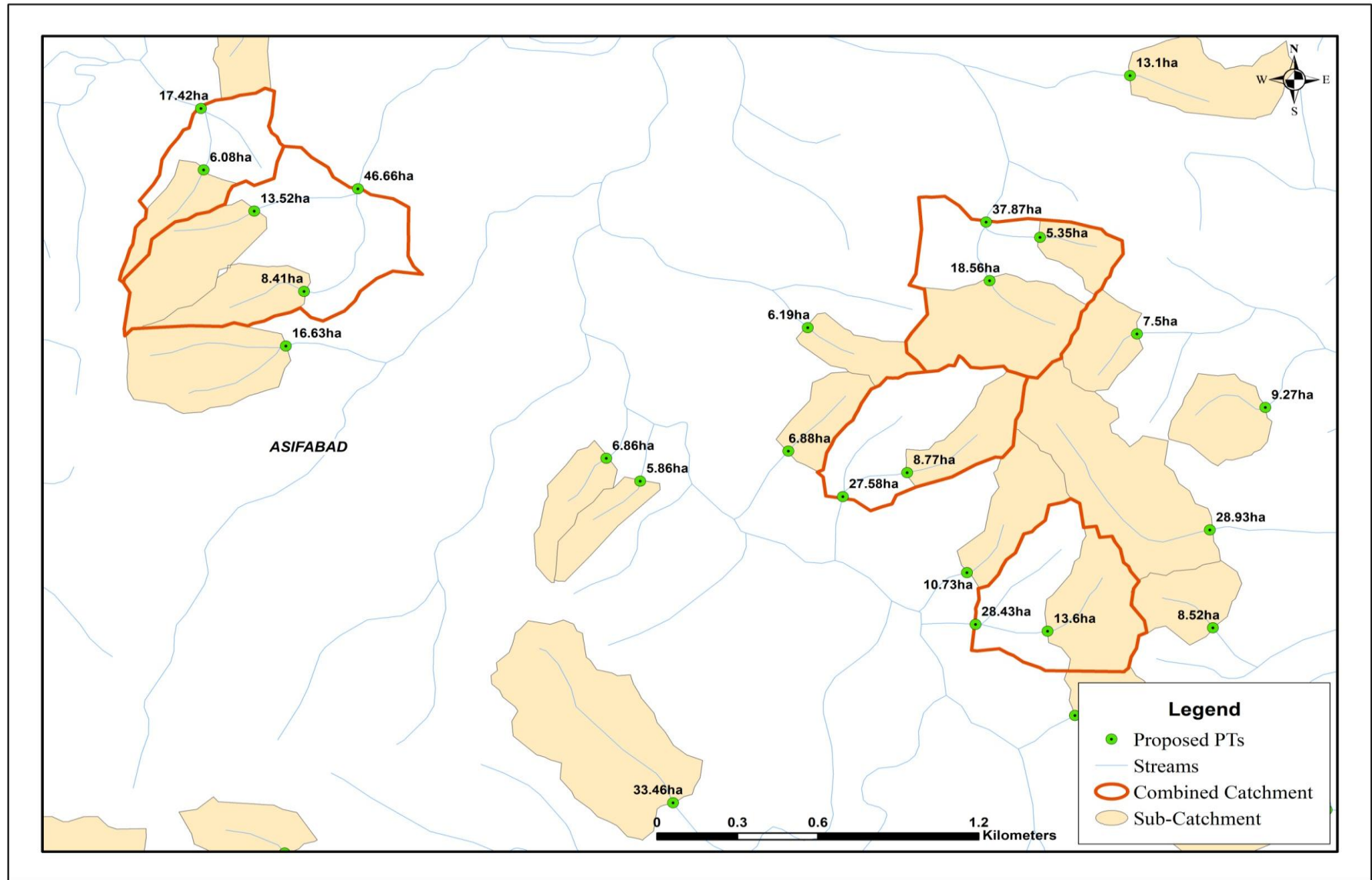
DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs	
		I	II	III	IV	V		
Adilabad	Adilabad	22	20	3	36	13	94	15
	Bela	7	4		16	3	30	5
	Indervelly	3	4		7	4	18	4
	Utnoor	6	1		3	5	15	2
Adilabad Total		38	29	3	62	25	157	26

Legend

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



CATCHMENT AREA



Sample Catchment Map



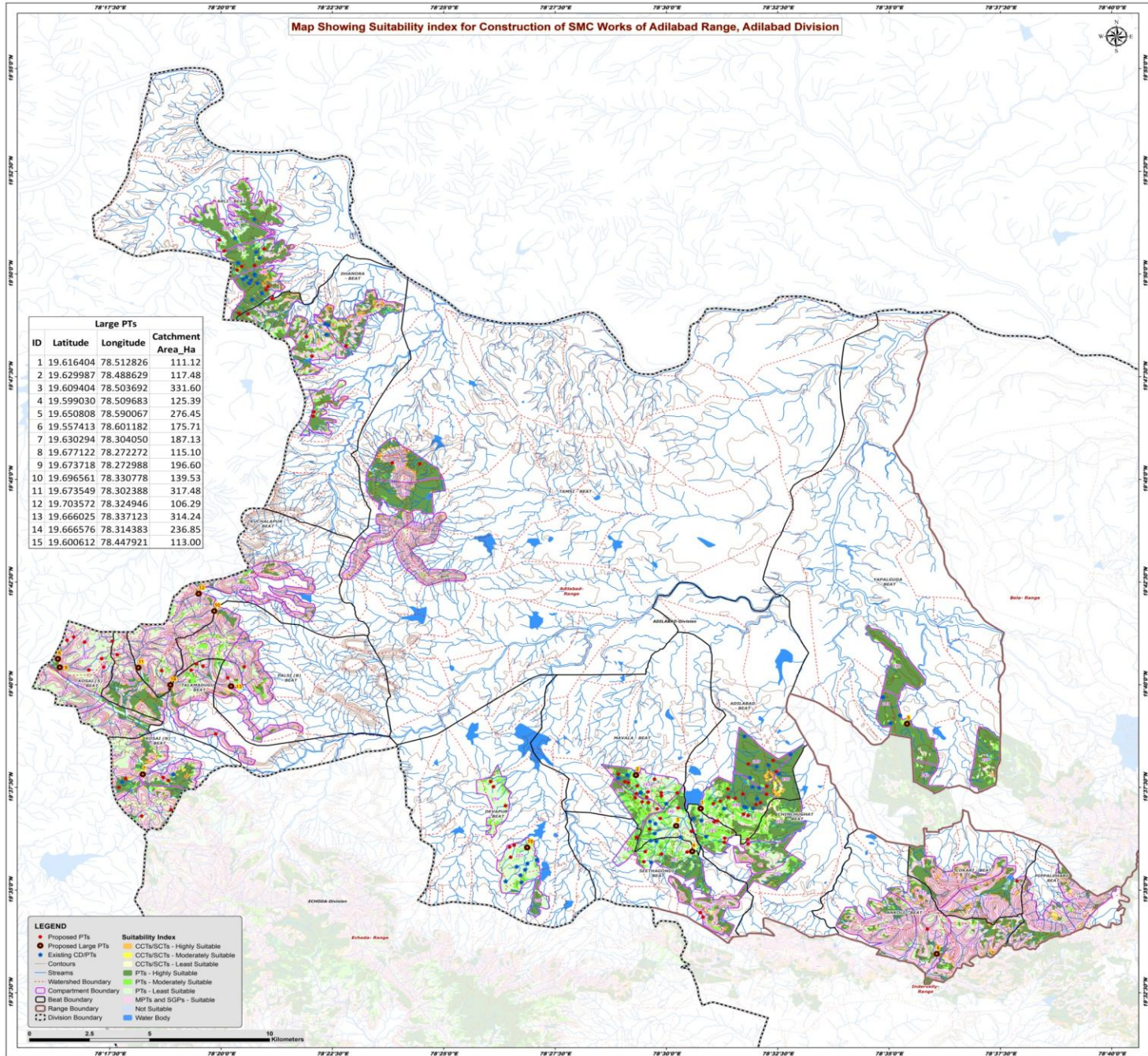
Map Showing Adilabad Range in Adilabad Division



Legend

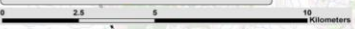
- Division Boundary
- Range Boundary

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

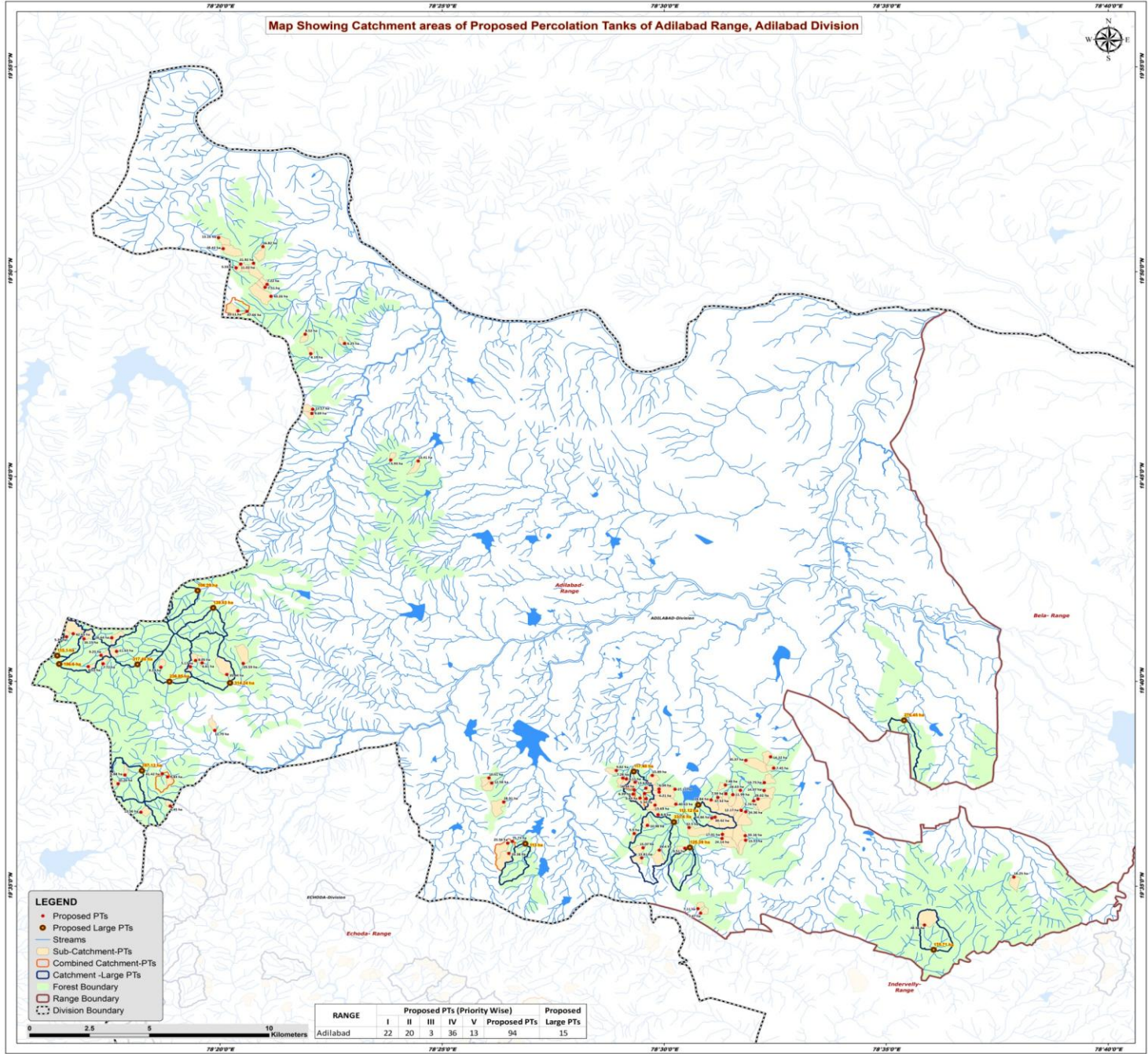


LEGEND

- Proposed PTs
- Proposed Large PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Range Boundary
- Division Boundary
- SMC Works - Highly Suitable
- SMC Works - Moderately Suitable
- SMC Works - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGTs - Suitable
- Not Suitable
- Water Body



Map Showing Catchment areas of Proposed Percolation Tanks of Adilabad Range, Adilabad 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	
Adilabad	22	20	3	36	13	94
						15

Beat wise Abstract of Proposed PT's – Adilabad Range

S. No.	Beat	Proposed PT's
1	ADILABAD	15
2	ANKOLI	1
3	ARLI	9
4	CHINCHUGHAT	6
5	DEVAPUR	6
6	DHANORA	7
7	KOSAI N	6
8	KOSAI S	7
9	KUCHALAPUR	1
10	LOKARI	1
11	MAVALA	19
12	PALSI B	2
13	SEETHAGONDI	7
14	TALAMADUGU	5
15	TAMSI	2
	Total	94

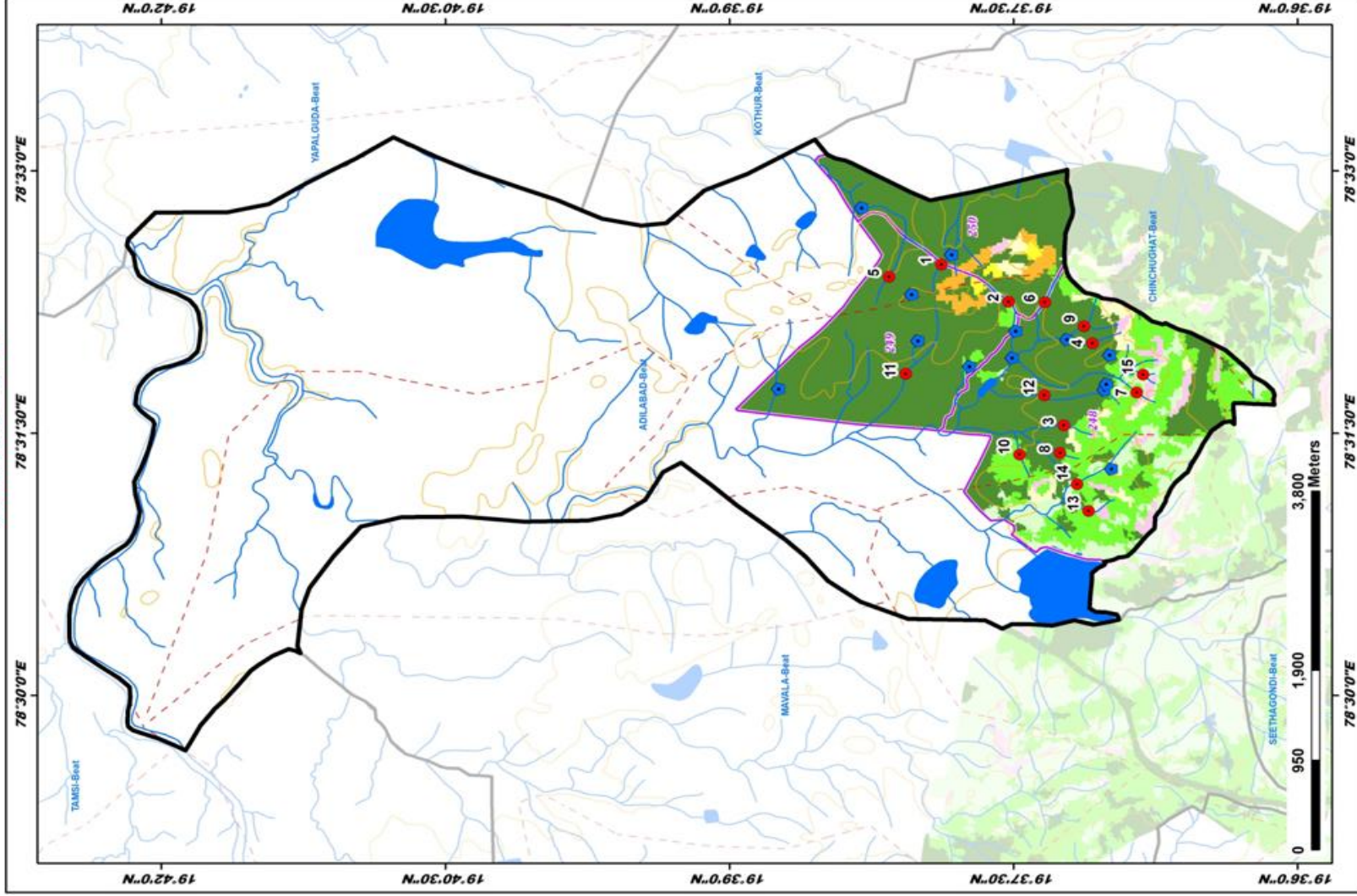
List of Proposed PTs – Adilabad Range

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	19.631341	78.541102	7.45	I	ADILABAD	41	19.604738	78.488767	5.90	II	SEETHAGONDI	81	19.678816	78.294508	11.63	IV	TALAMADUGU
2	19.625423	78.537572	14.73	I	ADILABAD	42	19.597948	78.498195	24.40	II	SEETHAGONDI	82	19.675116	78.324160	8.05	IV	TALAMADUGU
3	19.620566	78.525779	11.99	I	ADILABAD	43	19.572338	78.513664	7.47	IV	SEETHAGONDI	83	19.674156	78.326589	6.61	IV	TALAMADUGU
4	19.618049	78.533604	5.74	I	ADILABAD	44	19.598752	78.507774	9.51	IV	SEETHAGONDI	84	19.672351	78.311117	8.13	IV	KUCHALAPUR
5	19.635945	78.539936	14.22	I	ADILABAD	45	19.594836	78.491590	13.81	IV	SEETHAGONDI	85	19.673903	78.342027	29.59	III	PALSI B
6	19.622222	78.537514	14.97	I	ADILABAD	46	19.574131	78.512691	7.11	IV	SEETHAGONDI	86	19.669418	78.335884	35.44	V	PALSI B
7	19.614154	78.528907	12.17	II	ADILABAD	47	19.598939	78.492092	15.07	IV	SEETHAGONDI	87	19.625285	78.435276	12.58	IV	DEVAPUR
8	19.620907	78.523152	7.59	II	ADILABAD	48	19.567513	78.597720	48.56	V	ANKOLI	88	19.600788	78.441341	23.56	IV	DEVAPUR
9	19.618784	78.535229	29.02	II	ADILABAD	49	19.587029	78.631247	18.25	IV	LOKARI	89	19.627325	78.434240	10.51	IV	DEVAPUR
10	19.624474	78.522987	7.48	II	ADILABAD	50	19.834900	78.339359	5.55	I	ARLI	90	19.596628	78.441740	33.38	V	DEVAPUR
11	19.634496	78.530681	35.37	II	ADILABAD	51	19.836779	78.345902	21.92	I	ARLI	91	19.617561	78.439818	28.91	V	DEVAPUR
12	19.622291	78.528638	26.63	II	ADILABAD	52	19.843510	78.349415	16.82	I	ARLI	92	19.601524	78.443043	75.73	V	DEVAPUR
13	19.618394	78.517599	24.84	II	ADILABAD	53	19.826983	78.350241	7.51	I	ARLI	93	19.756298	78.407690	13.41	I	TAMSI
14	19.619400	78.520168	37.52	III	ADILABAD	54	19.836430	78.341093	11.02	I	ARLI	94	19.756683	78.397388	5.93	II	TAMSI
15	19.613591	78.530621	24.36	IV	ADILABAD	55	19.828164	78.350964	7.22	I	ARLI						
16	19.604385	78.521873	17.01	IV	CHINCHUGHAT	56	19.817376	78.340011	20.11	I	ARLI						
17	19.601996	78.530598	13.57	IV	CHINCHUGHAT	57	19.842699	78.334508	28.42	II	ARLI						
18	19.611013	78.517879	14.86	IV	CHINCHUGHAT	58	19.847160	78.332755	13.16	IV	ARLI						
19	19.602706	78.521730	24.14	IV	CHINCHUGHAT	59	19.775664	78.367810	9.69	I	DHANORA						
20	19.611397	78.519117	39.42	V	CHINCHUGHAT	60	19.807866	78.365297	8.52	I	DHANORA						
21	19.603828	78.530432	33.16	V	CHINCHUGHAT	61	19.804100	78.380086	6.25	I	DHANORA						
22	19.630383	78.482066	9.82	I	MAVALA	62	19.777341	78.368079	11.17	II	DHANORA						
23	19.627306	78.484493	7.28	I	MAVALA	63	19.799945	78.367361	6.19	IV	DHANORA						
24	19.626927	78.485824	8.11	I	MAVALA	64	19.817191	78.343454	47.66	V	DHANORA						
25	19.612394	78.497750	8.90	II	MAVALA	65	19.823301	78.352481	43.26	V	DHANORA						
26	19.621577	78.498146	6.21	II	MAVALA	66	19.624986	78.295094	10.26	I	KOSAI N						
27	19.620754	78.488342	6.39	II	MAVALA	67	19.628545	78.297612	6.88	I	KOSAI N						
28	19.622839	78.498104	6.09	II	MAVALA	68	19.615917	78.314664	6.45	IV	KOSAI N						
29	19.608028	78.493742	10.98	II	MAVALA	69	19.627773	78.313663	9.83	IV	KOSAI N						
30	19.625616	78.489103	13.62	II	MAVALA	70	19.613389	78.303622	13.36	IV	KOSAI N						
31	19.618913	78.493255	5.34	II	MAVALA	71	19.629076	78.311662	41.42	V	KOSAI N						
32	19.622730	78.504077	27.11	III	MAVALA	72	19.684338	78.292702	16.64	IV	KOSAI S						
33	19.621011	78.492663	17.27	IV	MAVALA	73	19.683936	78.282277	16.15	IV	KOSAI S						
34	19.623182	78.493125	5.25	IV	MAVALA	74	19.677232	78.288652	9.25	IV	KOSAI S						
35	19.619160	78.490952	9.49	IV	MAVALA	75	19.684732	78.275721	5.39	IV	KOSAI S						
36	19.616263	78.496584	13.69	IV	MAVALA	76	19.672648	78.283862	6.53	IV	KOSAI S						
37	19.622469	78.488795	16.34	IV	MAVALA	77	19.673823	78.289427	7.72	IV	KOSAI S						
38	19.628354	78.495562	15.89	IV	MAVALA	78	19.686044	78.278244	42.65	V	KOSAI S						
39	19.607150	78.509368	32.50	V	MAVALA	79	19.646642	78.331371	11.79	II	TALAMADUGU						
40	19.616668	78.504421	40.63	V	MAVALA	80	19.672580	78.322175	5.17	IV	TALAMADUGU						

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



Division : Adilabad
Range : Adilabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
1	19.631341	78.541102	7.45	I
2	19.629423	78.537572	14.73	I
3	19.620566	78.52779	11.99	I
4	19.618049	78.538604	5.74	I
5	19.635945	78.539936	14.22	I
6	19.622222	78.537514	14.97	I
7	19.614154	78.528907	12.17	II
8	19.620907	78.533152	7.59	II
9	19.618784	78.535229	29.02	II
10	19.624474	78.522987	7.48	II
11	19.634496	78.530681	35.37	II
12	19.622291	78.526838	26.63	II
13	19.618394	78.517599	24.84	II
14	19.619400	78.520168	37.52	III
15	19.613591	78.530621	24.36	IV

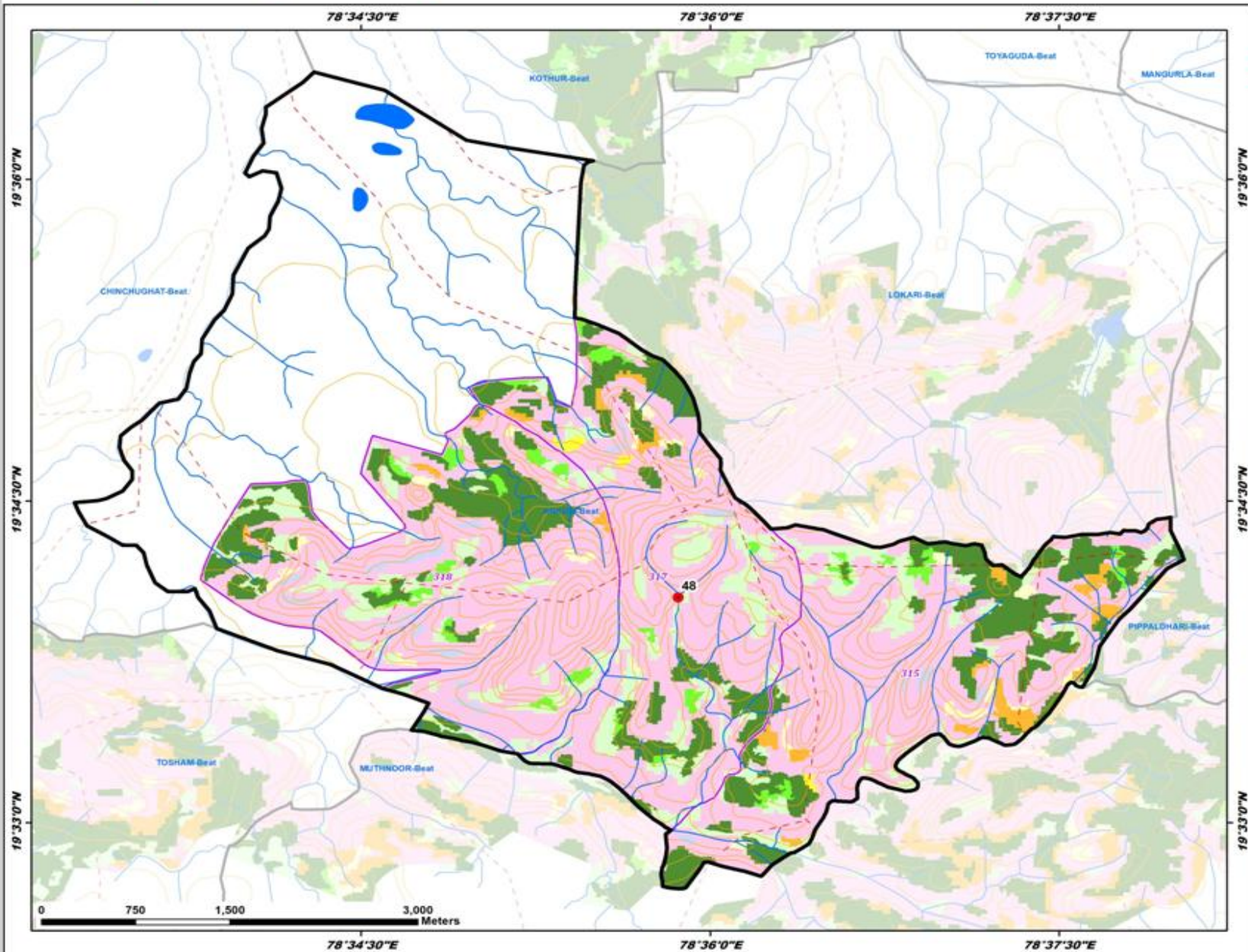
LEGEND

- 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 Ankoli Beat



Division : Adilabad
Range : Adilabad

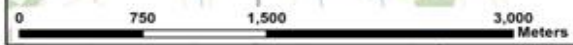
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
48	19.567513	78.597720	48.56	V

LEGEND

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

Suitability Index

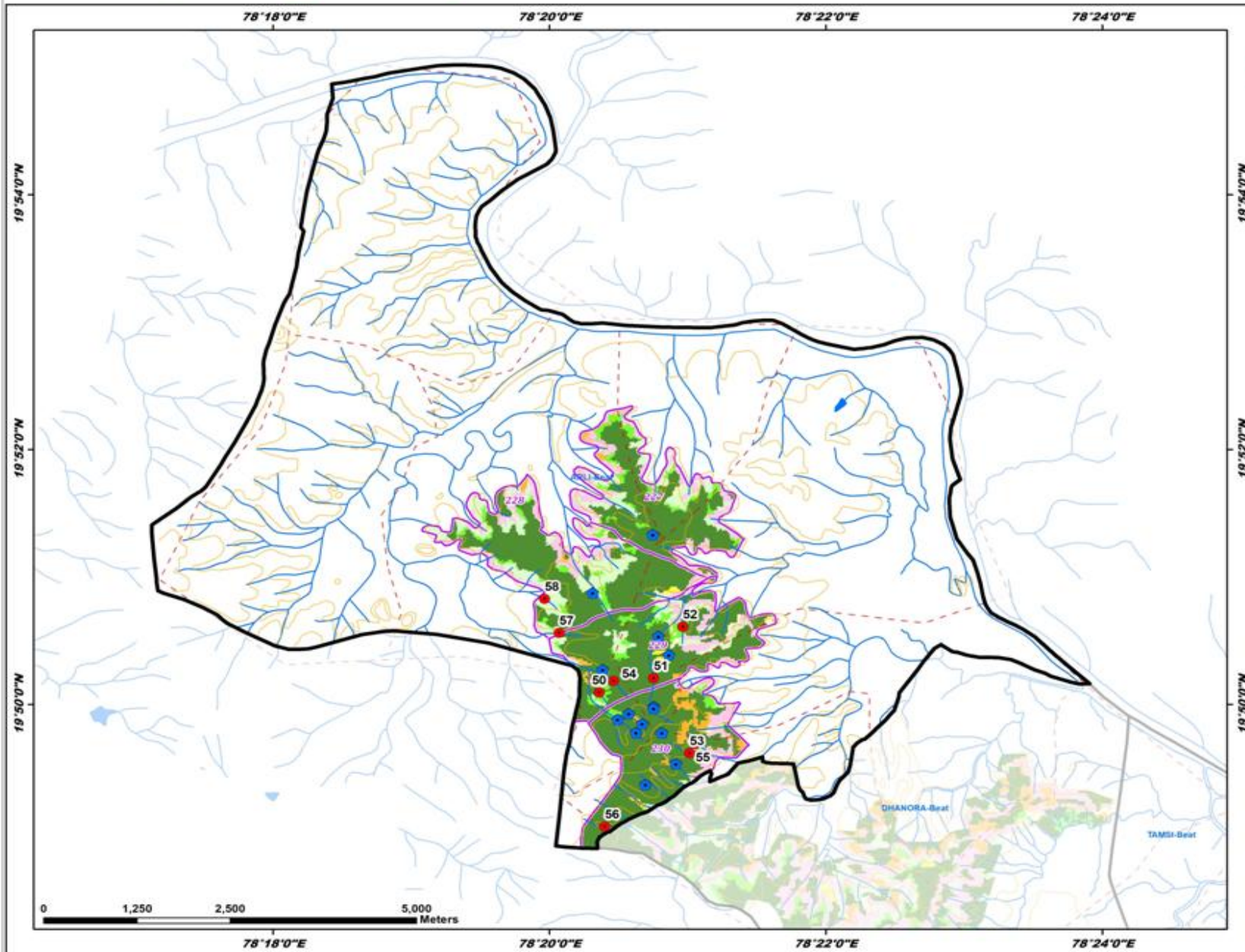
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Adilabad
Range : Adilabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
50	19.834900	78.339359	5.55	I
51	19.836779	78.345902	21.92	I
52	19.843510	78.349415	16.82	I
53	19.826983	78.350241	7.51	I
54	19.836430	78.341093	11.02	I
55	19.828164	78.350964	7.22	I
56	19.817376	78.340011	20.11	I
57	19.842699	78.334508	28.42	II
58	19.847160	78.332755	13.16	IV

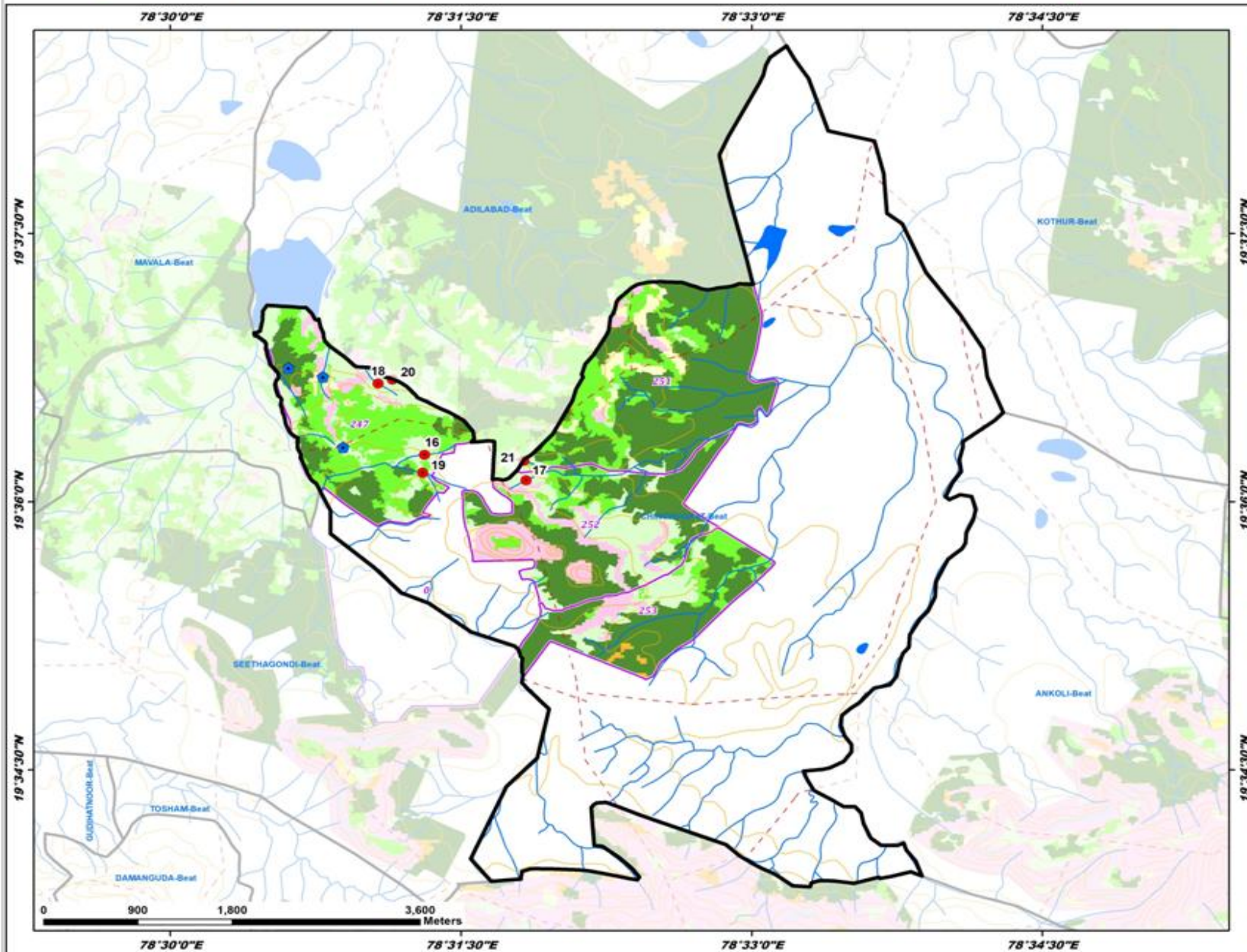
LEGEND

- 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 Chinchughat Beat



Division : Adilabad
Range : Adilabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
16	19.604385	78.521873	17.01	IV
17	19.601996	78.530598	13.57	IV
18	19.611013	78.517879	14.86	IV
19	19.602706	78.521730	24.14	IV
20	19.611397	78.519117	39.42	V
21	19.603828	78.530432	33.16	V

LEGEND

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

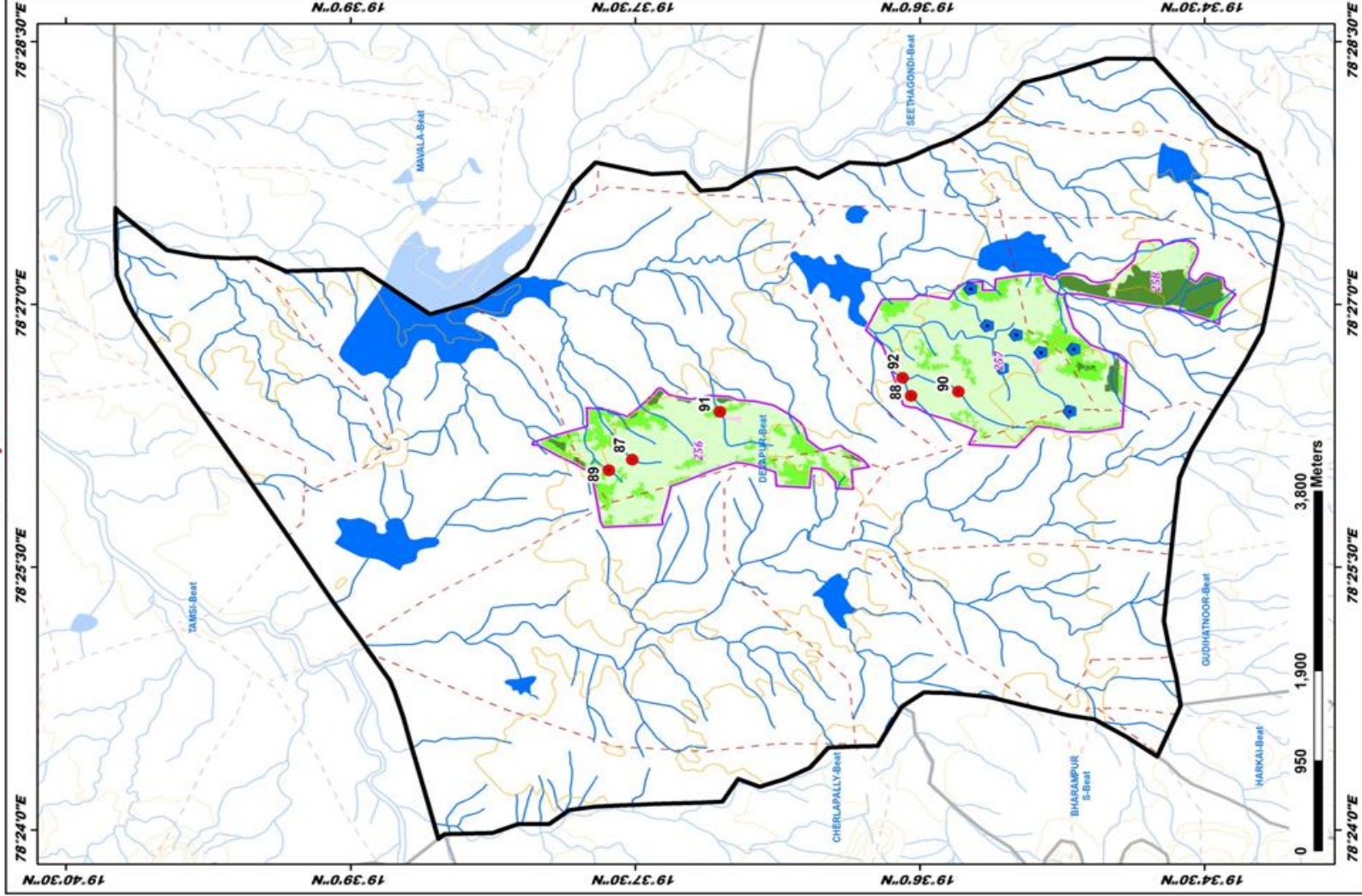
SUITABILITY INDEX

- 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 Devapur Beat



Division : Adilabad
Range : Adilabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
87	19.625285	78.432276	12.58	IV
88	19.600788	78.441341	23.56	IV
89	19.627325	78.434240	10.51	IV
90	19.596628	78.441740	33.38	V
91	19.617561	78.438818	28.91	V
92	19.601524	78.443043	75.73	V

LEGEND

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

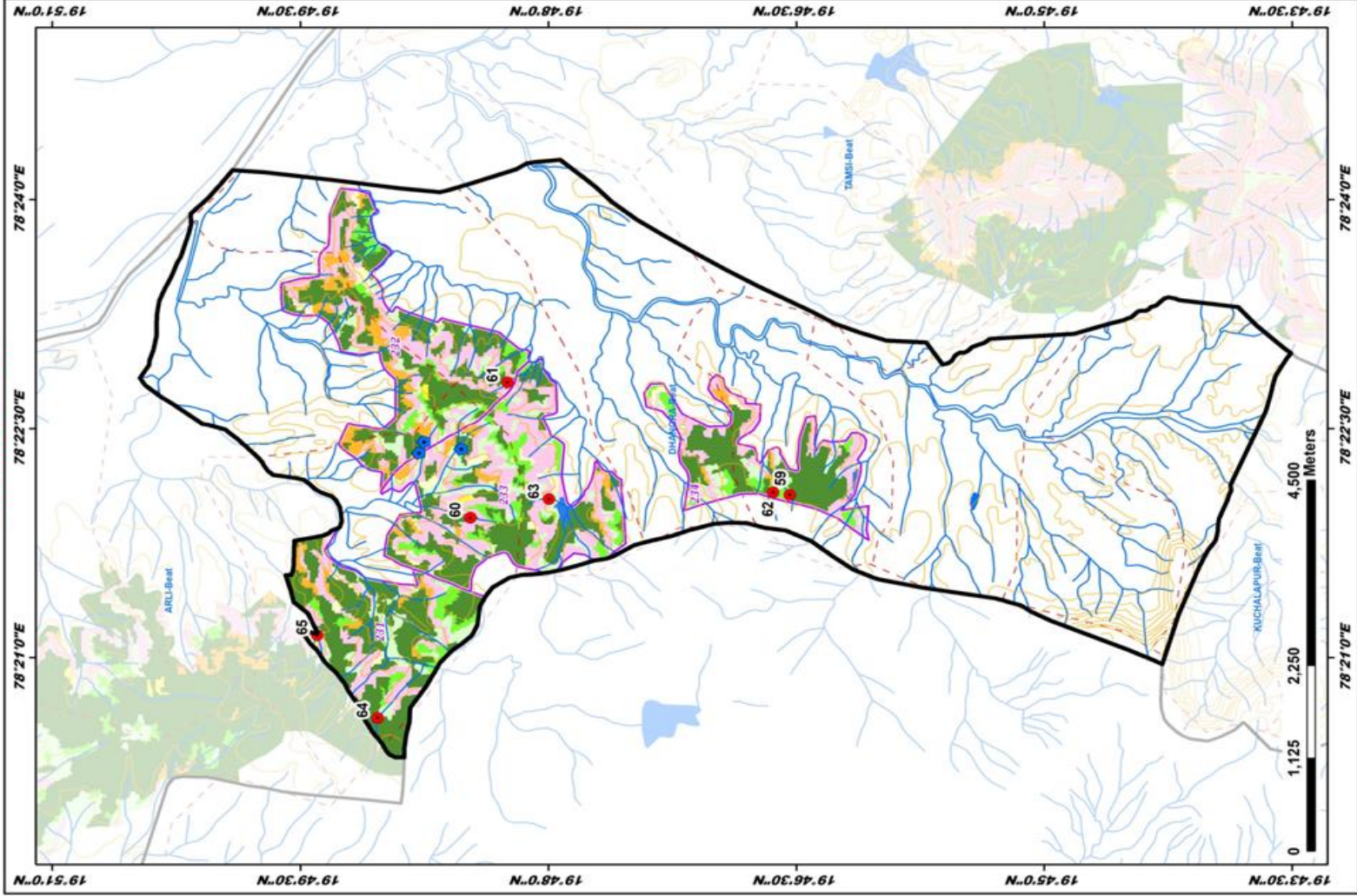
SUITABILITY INDEX

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

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



Division : Adilabad
Range : Adilabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
59	19.775664	78.367810	9.69	I
60	19.807866	78.365297	8.52	I
61	19.804100	78.380886	6.25	I
62	19.777341	78.368079	11.17	II
63	19.799945	78.367361	6.19	IV
64	19.812191	78.343454	47.66	V
65	19.823301	78.352481	43.26	V

LEGEND

- Proposed PTIs
- Existing CDPTIs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

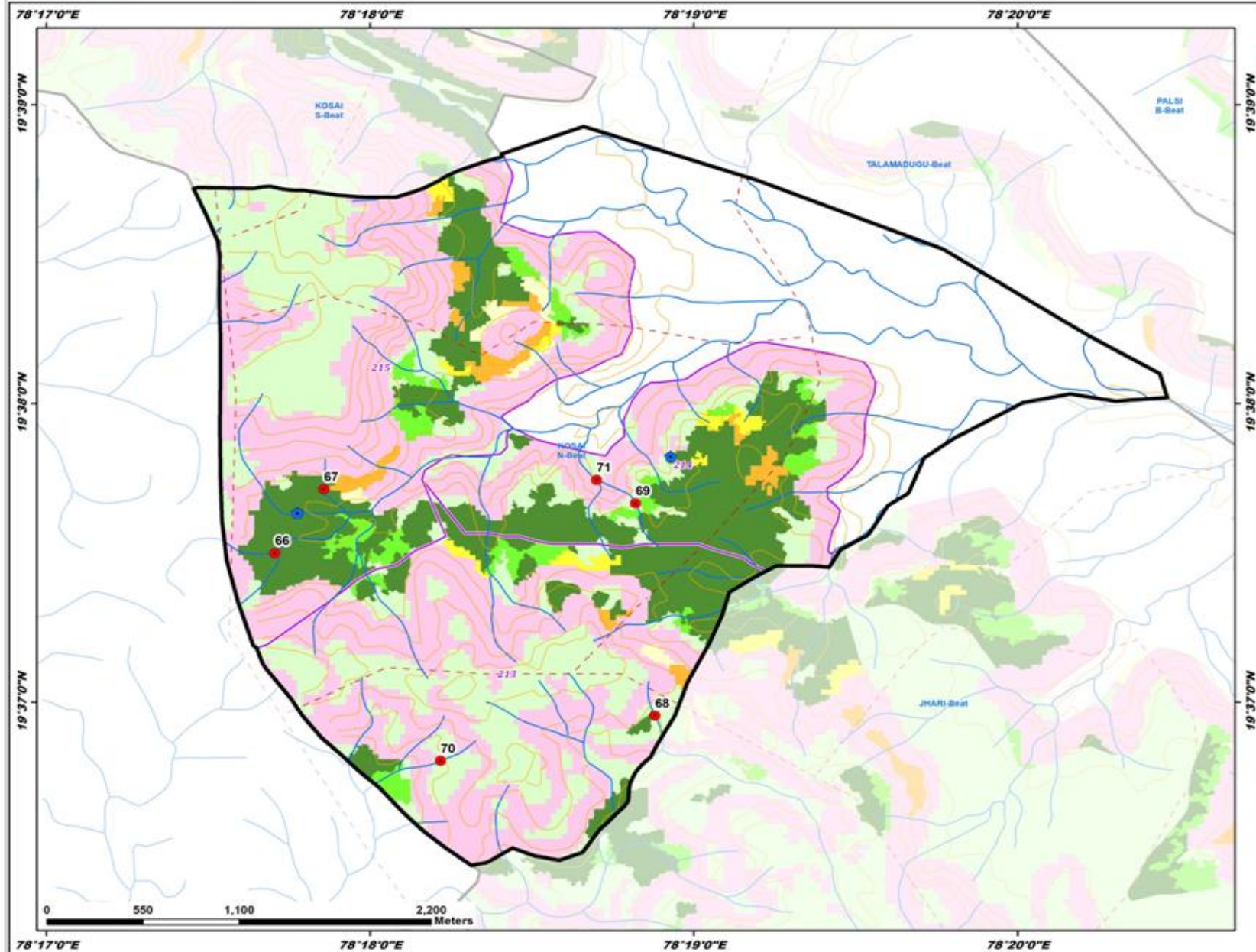
SUITABILITY INDEX

- CCTIs/SCTIs - Highly Suitable
- CCTIs/SCTIs - Moderately Suitable
- CCTIs/SCTIs - Least Suitable
- PTIs - Highly Suitable
- PTIs - Moderately Suitable
- PTIs - Least Suitable
- MPTIs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability Index for Construction of SMC Works of Kosai North Beat



Division : Adilabad
Range : Adilabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
66	19.624986	78.295094	10.26	I
67	19.628545	78.297612	6.88	I
68	19.615917	78.316664	6.45	IV
69	19.627773	78.313663	9.83	IV
70	19.613389	78.309622	13.36	IV
71	19.629076	78.311662	41.42	V

LEGEND

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

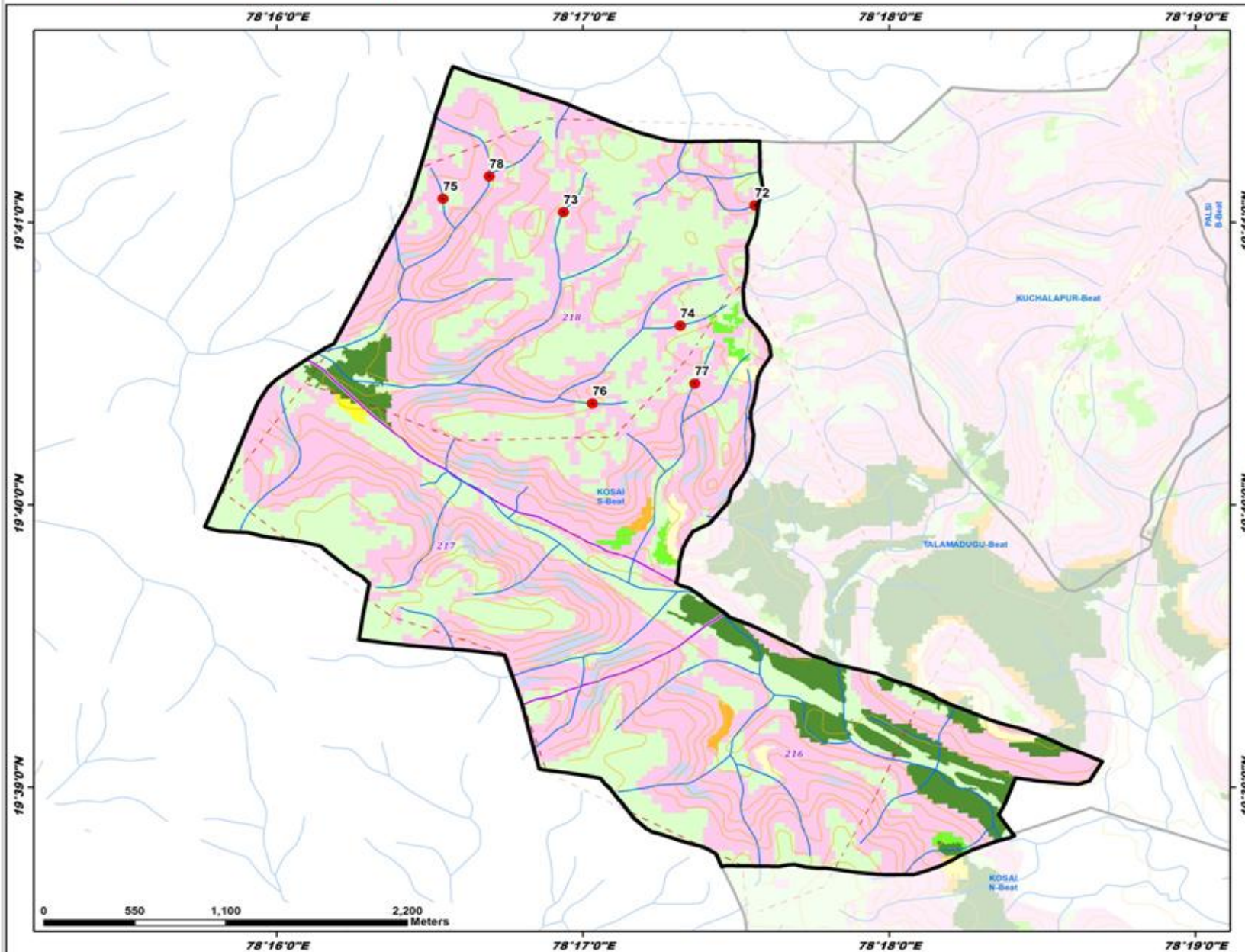
Suitability Index

- 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 Kosai South Beat



Division : Adilabad
Range : Adilabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
72	19.684338	78.292702	16.64	IV
73	19.683936	78.282277	16.15	IV
74	19.677232	78.288652	9.25	IV
75	19.684732	78.275721	5.39	IV
76	19.672648	78.283862	6.53	IV
77	19.673823	78.289427	7.72	IV
78	19.686044	78.278244	42.65	V

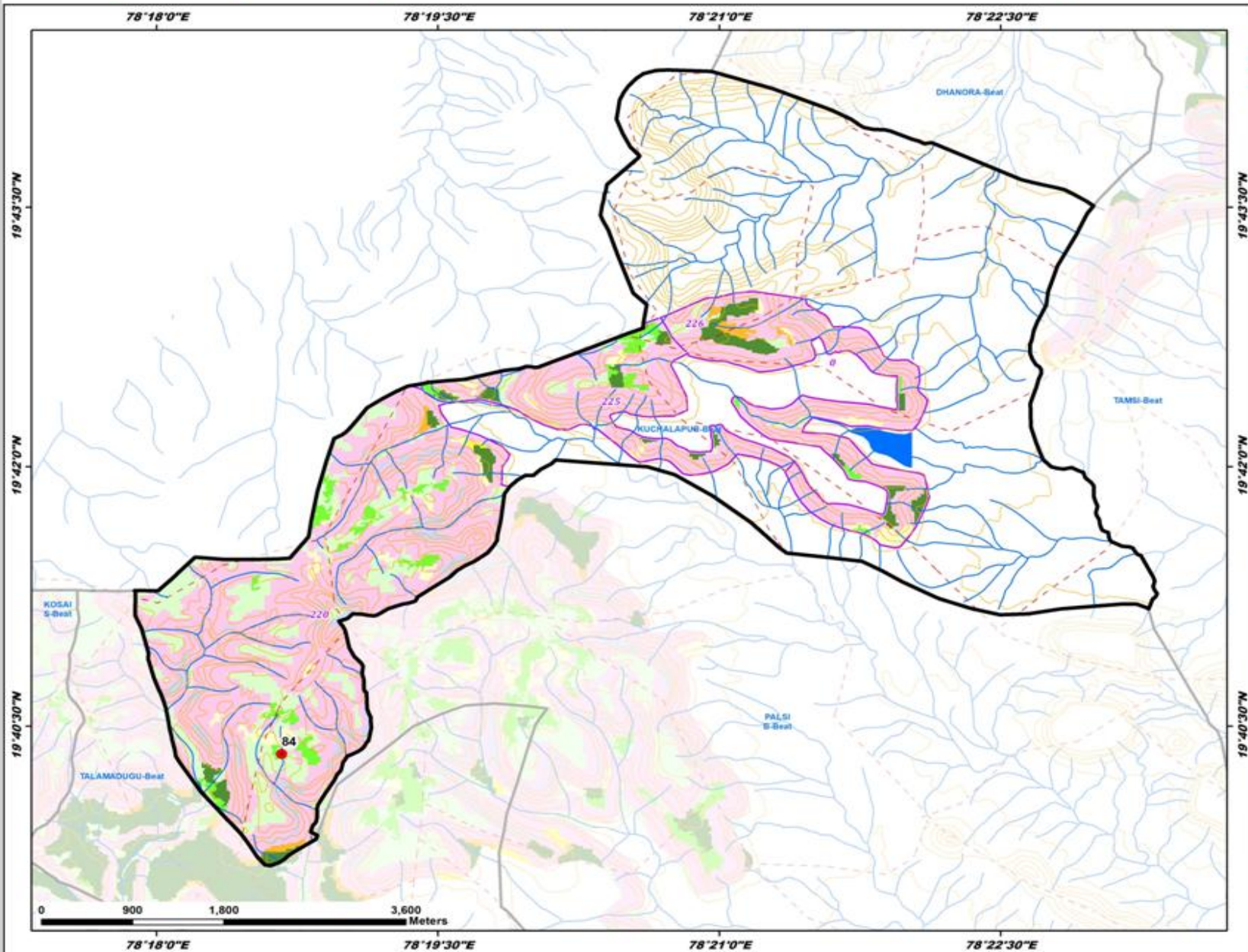
LEGEND

- 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 Kuchalapur Beat



Division : Adilabad
Range : Adilabad



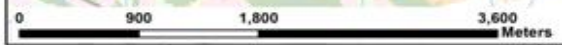
ID	Latitude	Longitude	Catchment Area Ha.	PRIORITY
84	19.672351	78.311117	8.13	IV

LEGEND

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

Suitability Index

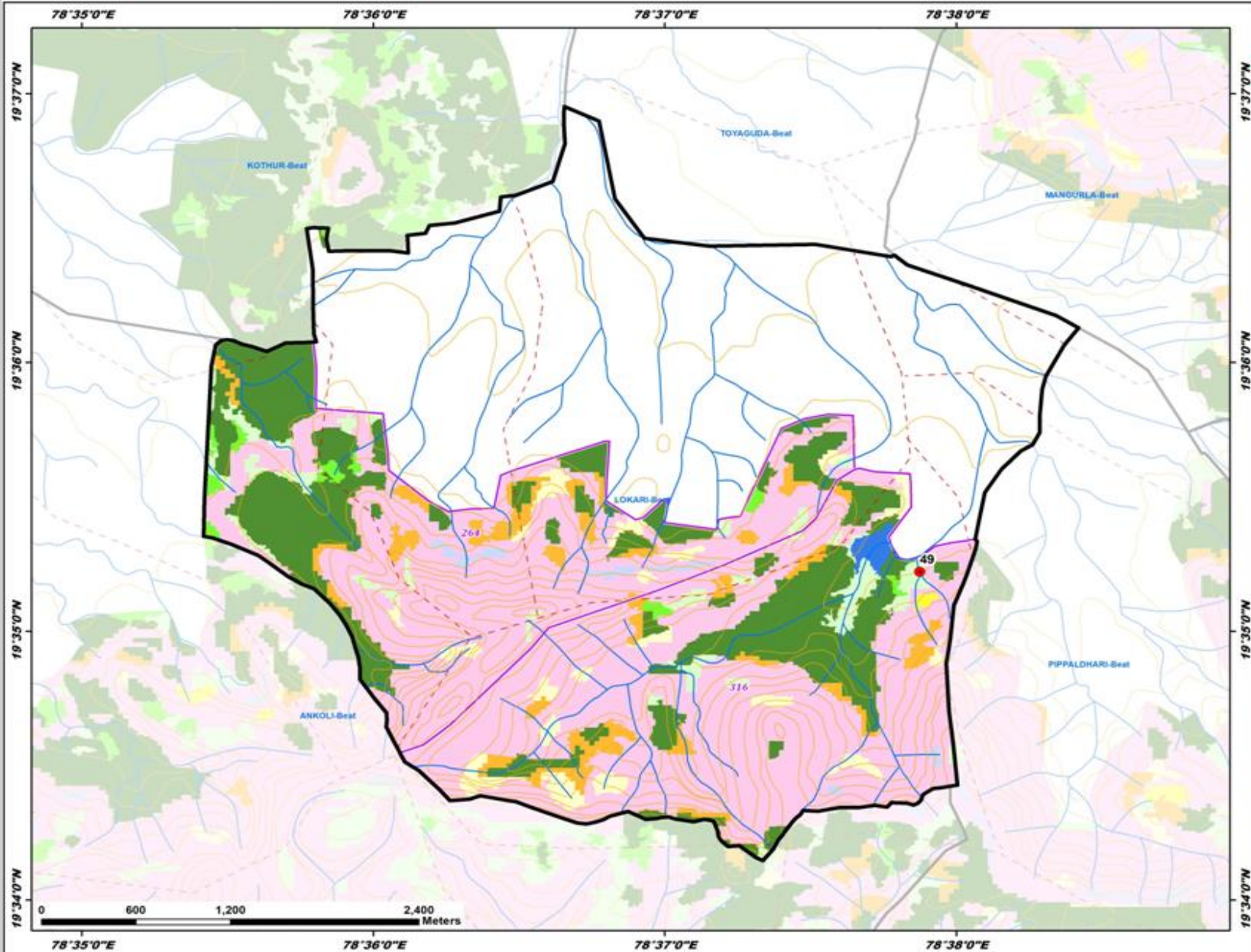
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Adilabad
Range : Adilabad



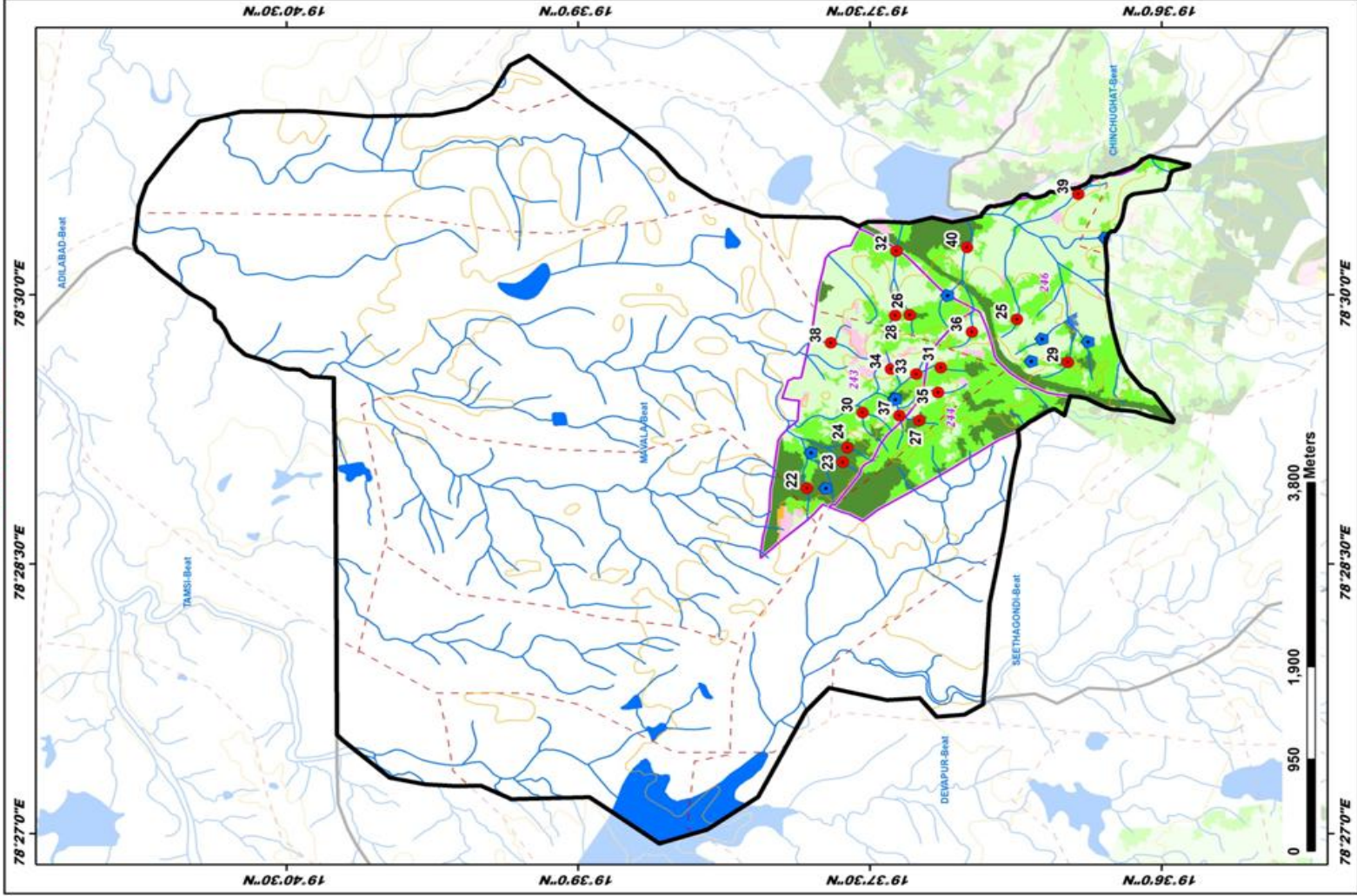
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
49	19.567029	78.631247	18.25	IV

- 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 Mavala Beat



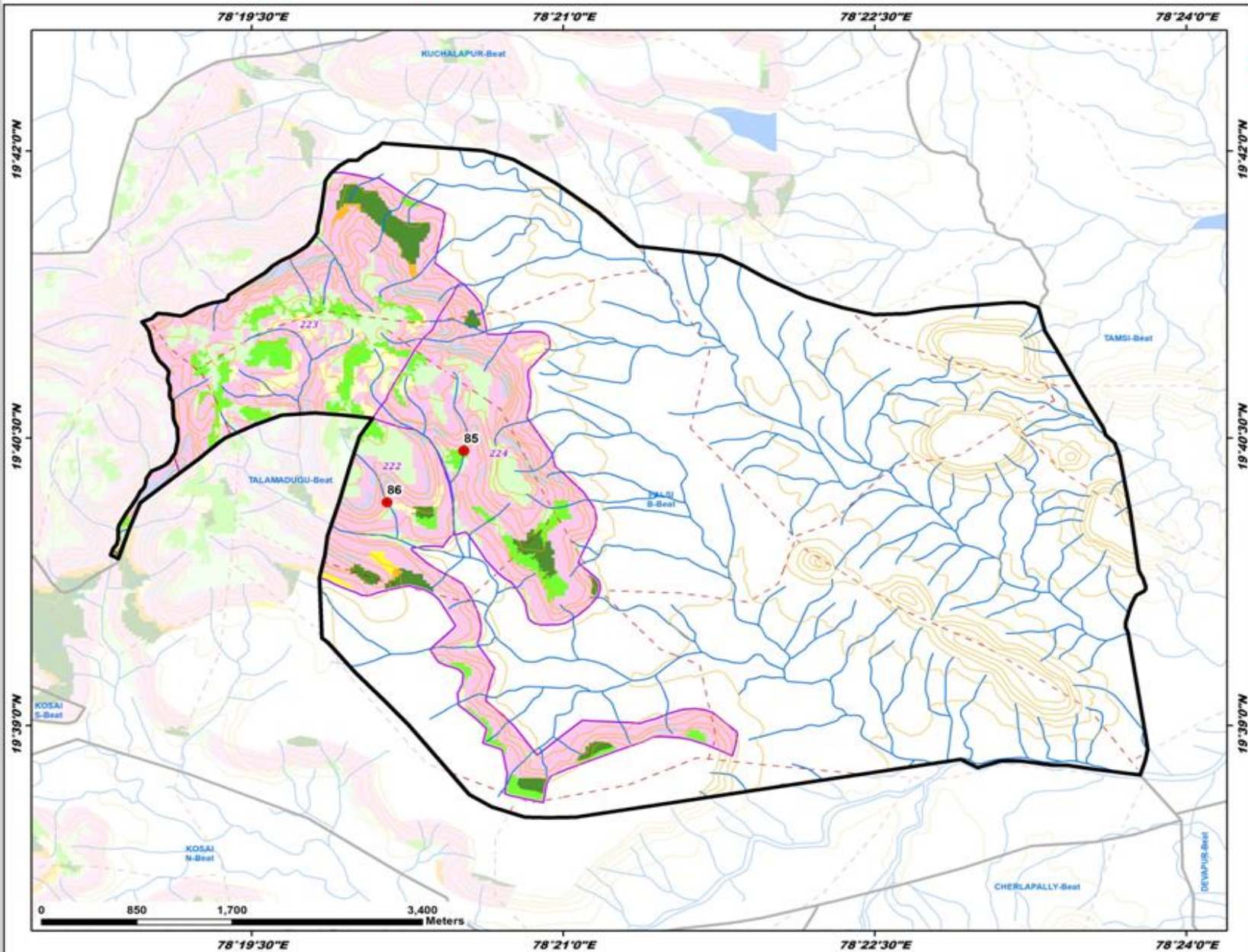
Division : Adilabad
Range : Adilabad



Map Showing Suitability Index for Construction of SMC Works of Palsi B Beat



Division : Adilabad
Range : Adilabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
85	19.673903	78.342027	29.59	III
86	19.669418	78.335884	35.44	V

LEGEND

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

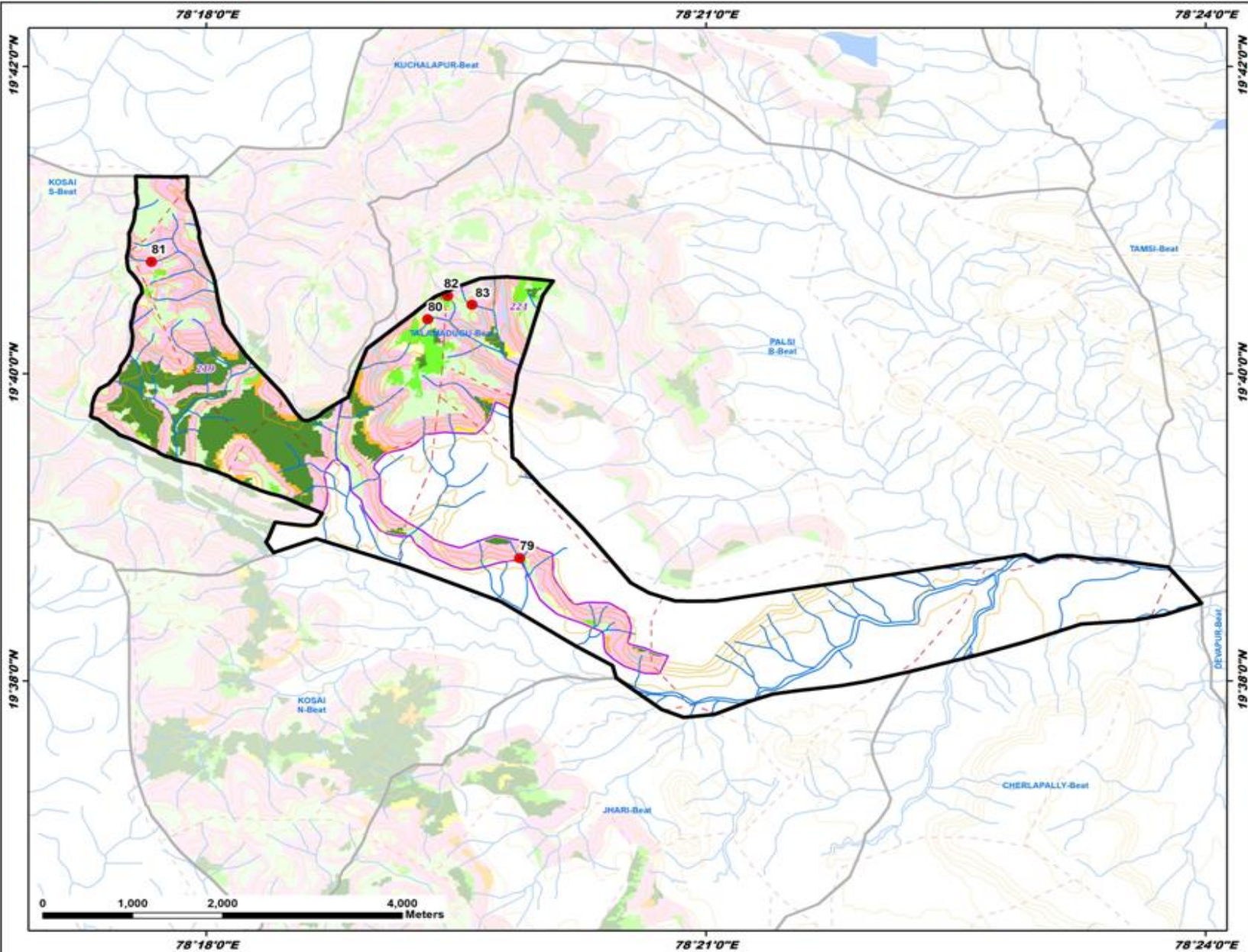
Suitability Index

- 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 Talamadugu Beat



Division : Adilabad
Range : Adilabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
79	19.646642	78.331371	11.79	II
80	19.672580	78.322175	5.17	IV
81	19.678816	78.294508	11.63	IV
82	19.675116	78.324160	8.05	IV
83	19.674156	78.326589	6.61	IV

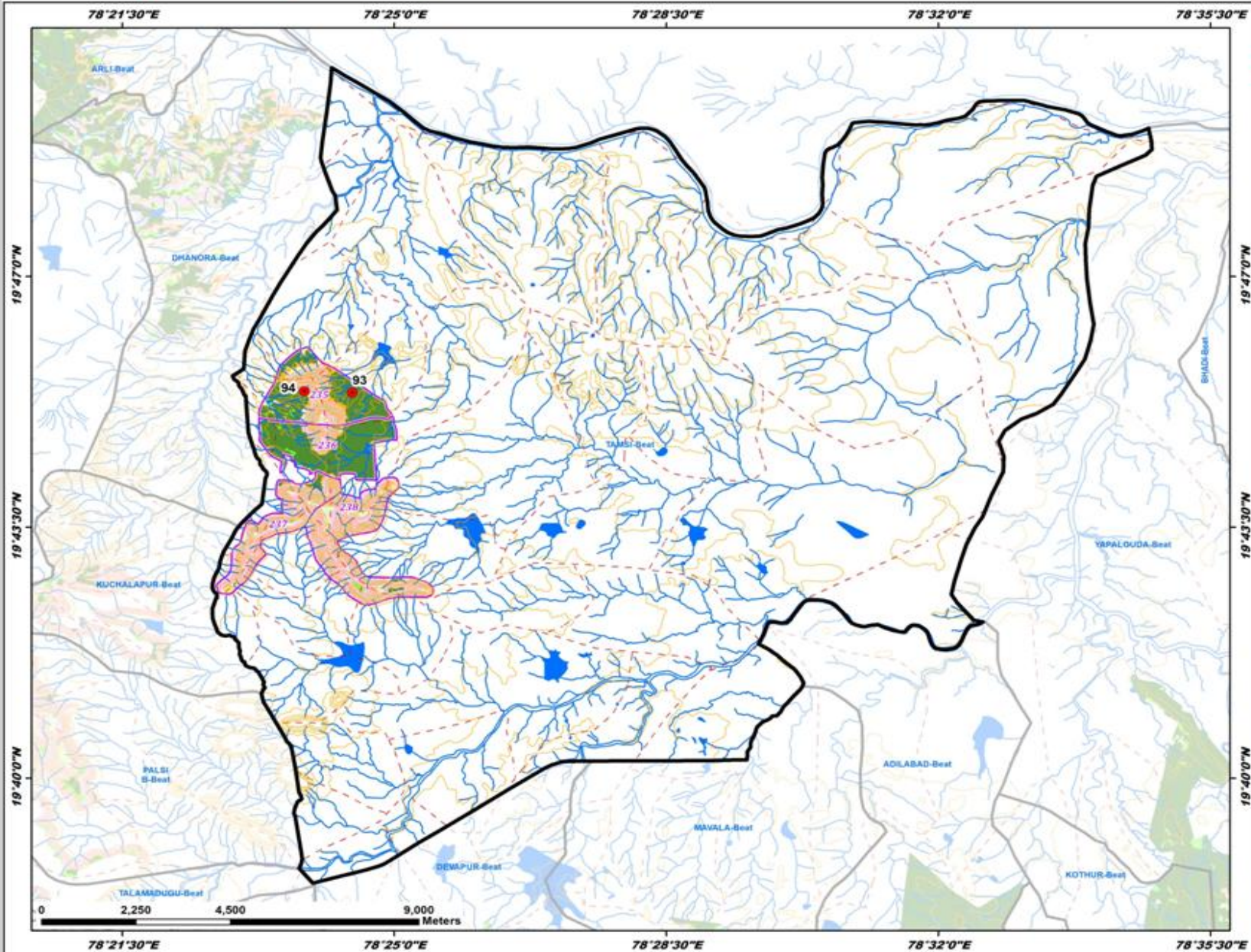
LEGEND

- 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 Tamsi Beat



Division : Adilabad
Range : Adilabad

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
93	19.756298	78.407690	13.41	I
94	19.756683	78.397388	5.93	II

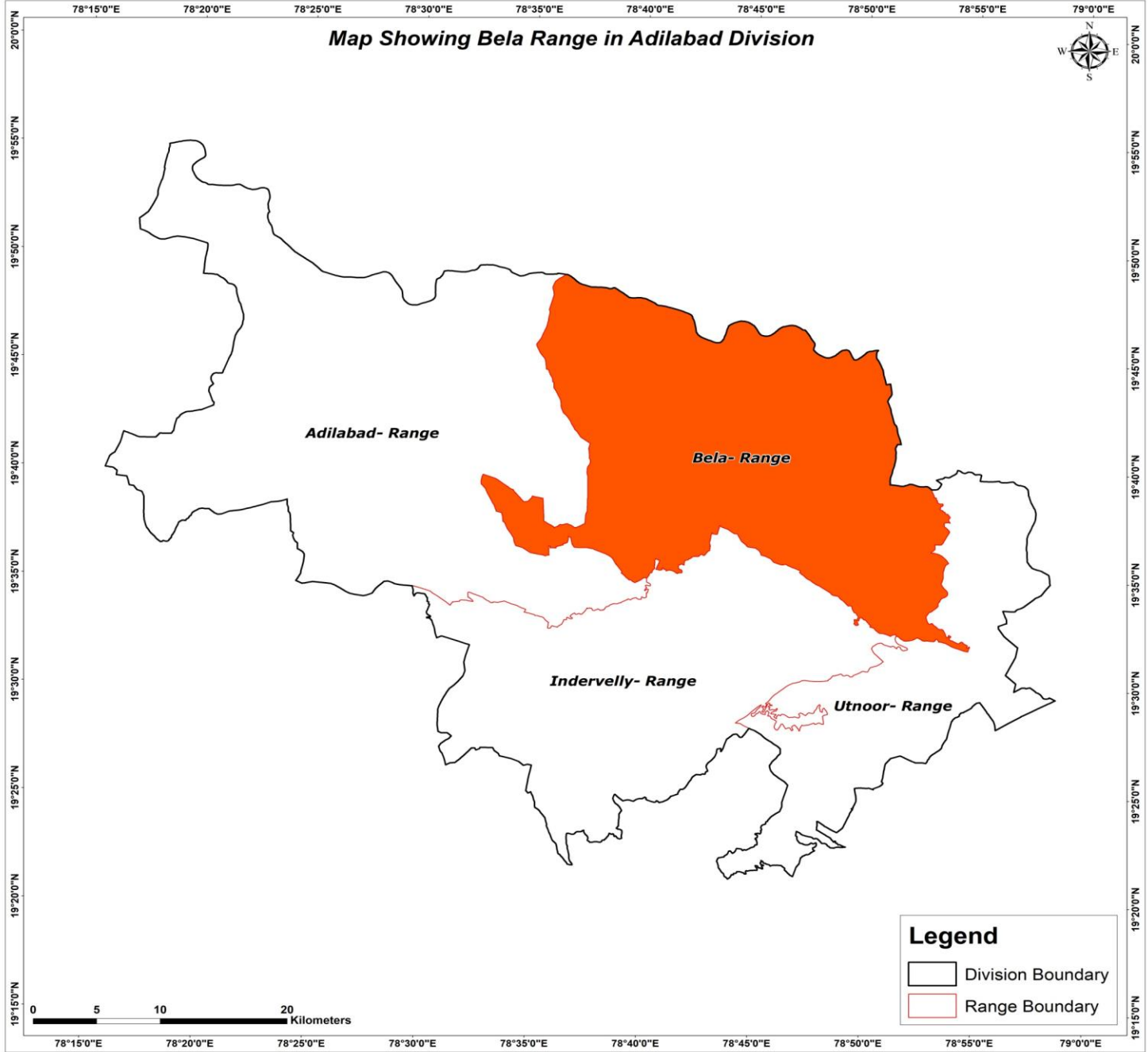
LEGEND

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

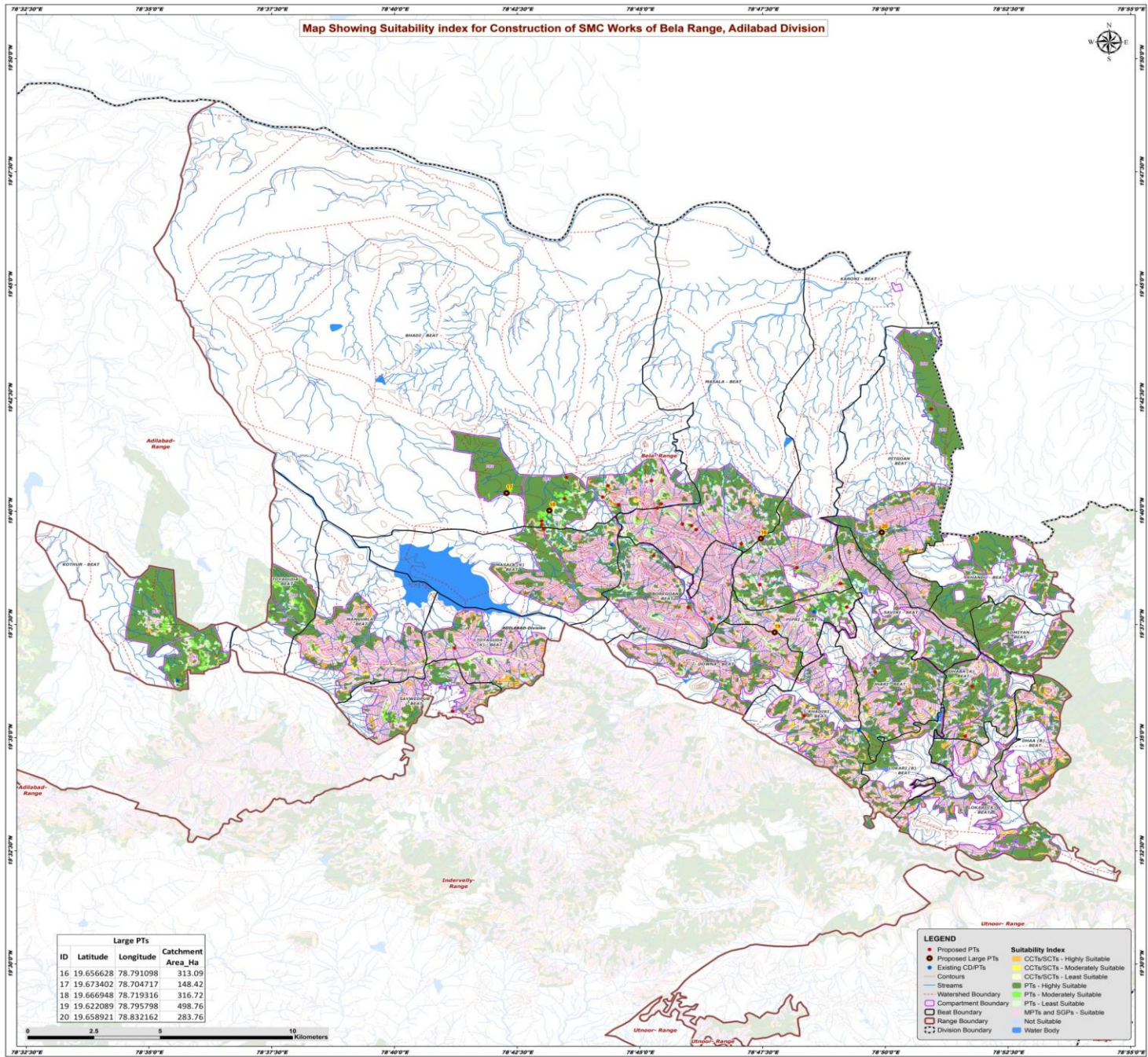
Suitability Index

- 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 Bela Range in Adilabad Division



Map Showing Suitability index for Construction of SMC Works of Bela Range, Adilabad Division



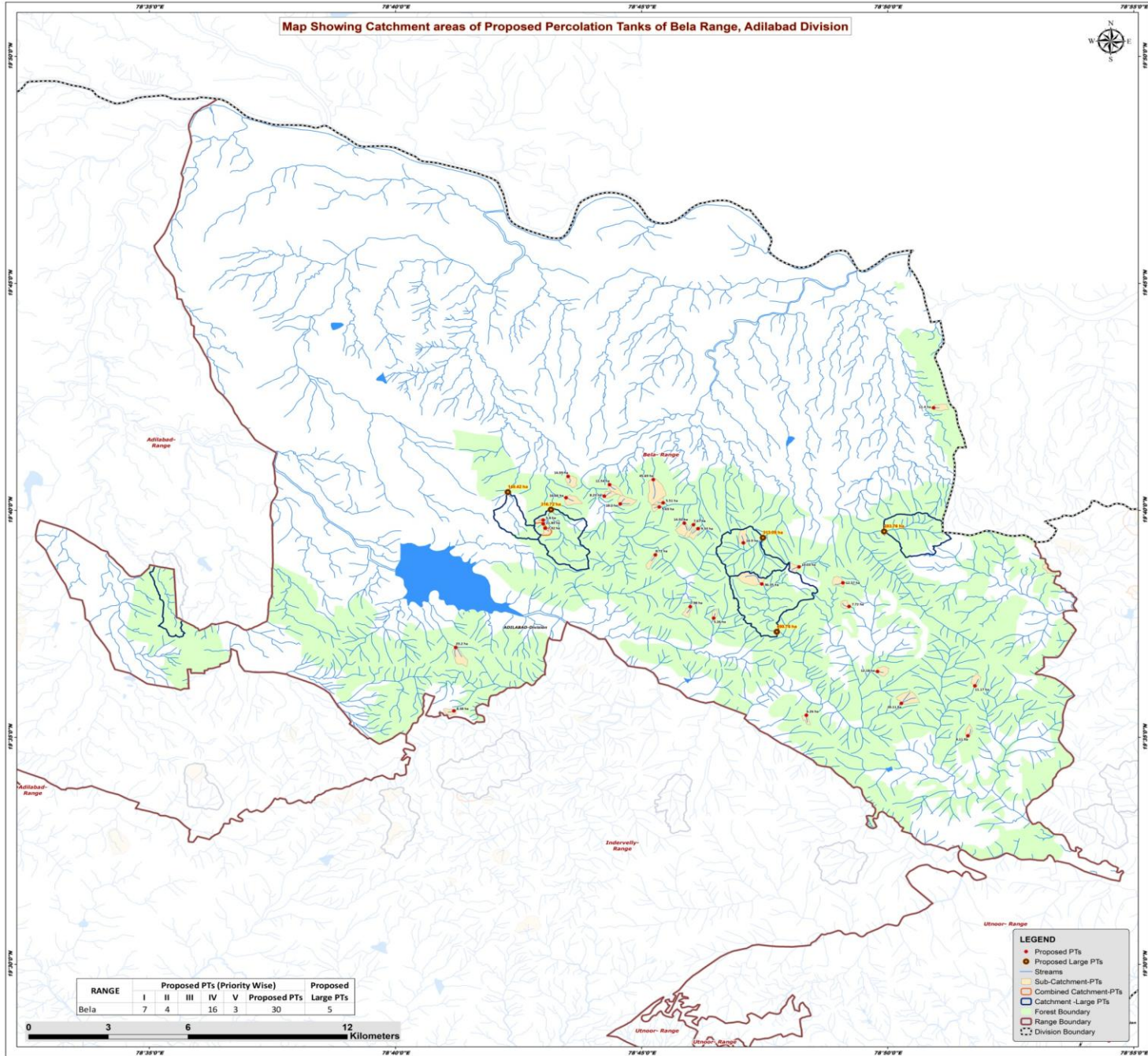
Large Pts			
ID	Latitude	Longitude	Catchment Area_Ha
16	19.656628	78.791098	313.09
17	19.673402	78.704717	148.42
18	19.666948	78.719316	316.72
19	19.622089	78.795798	498.76
20	19.658921	78.832162	283.76



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 GCPs - Suitable
- Not Suitable
- Water Body

Map Showing Catchment areas of Proposed Percolation Tanks of Bela Range, Adilabad Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Bela	7	4	16	3	30	5



- 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 – Bela Range

S. No.	Beat	Proposed PT's
1	BHADI	10
2	BOREGOAN	3
3	DHABA K	2
4	JHARI	2
5	KARONI	3
6	KHADIKI	1
7	MASALA	4
8	MASALA K	1
9	PIPRI	1
10	PITGOAN	1
11	SAYWEDPUR	1
12	TOYAGUDA K	1
	Total	30

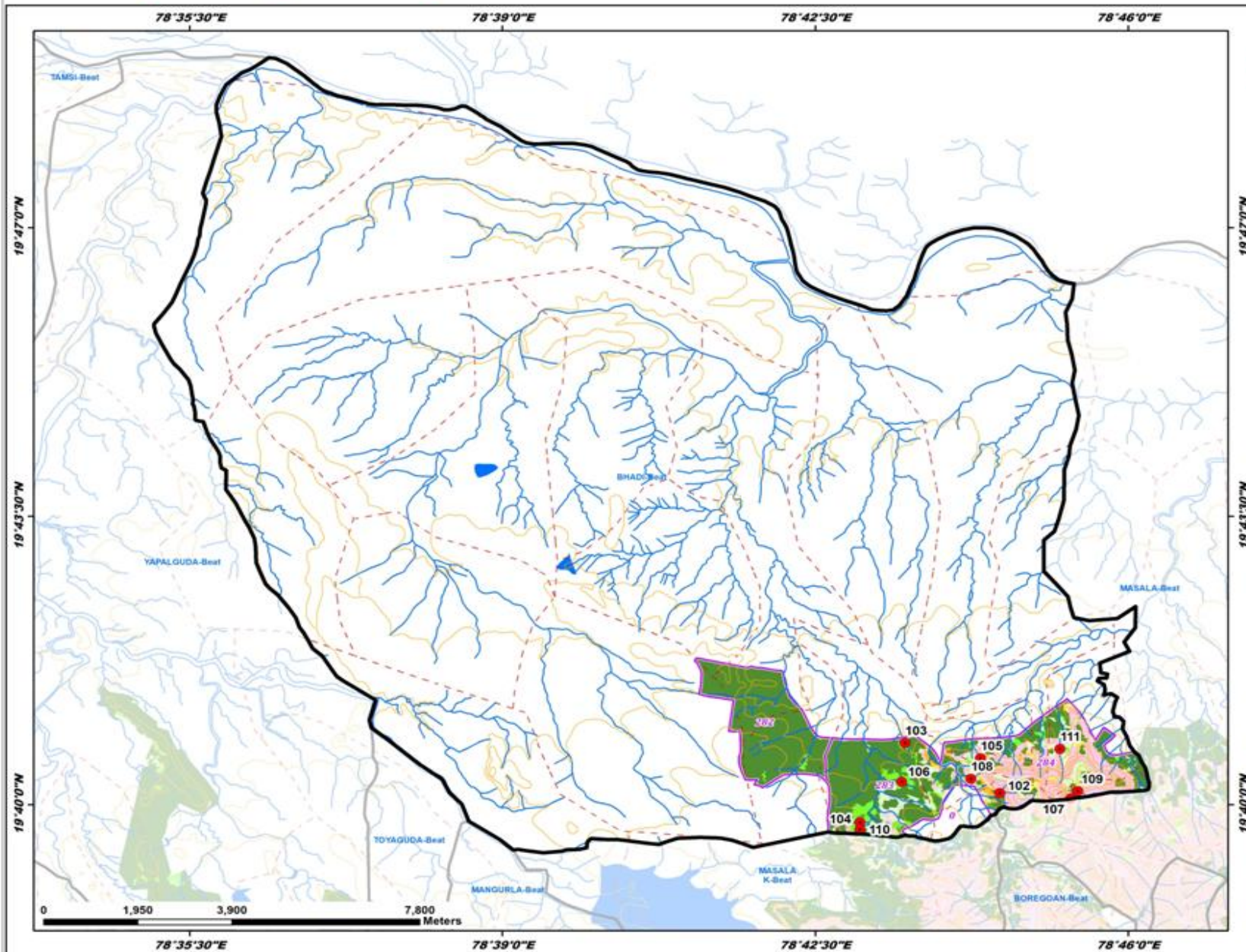
List of Proposed PTs – Bela Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
95	19.640069	78.818186	12.57	I	KARONI
96	19.645931	78.803309	10.03	IV	KARONI
97	19.639636	78.790740	36.35	V	KARONI
98	19.661425	78.767592	7.67	I	MASALA
99	19.654767	78.784493	14.90	IV	MASALA
100	19.659961	78.769165	9.33	IV	MASALA
101	19.661984	78.764485	14.92	IV	MASALA
102	19.669033	78.742771	18.20	I	BHADI
103	19.679136	78.725121	14.03	I	BHADI
104	19.663126	78.716713	5.40	II	BHADI
105	19.676096	78.739161	11.54	II	BHADI
106	19.671327	78.724454	16.66	II	BHADI
107	19.667945	78.756014	5.03	IV	BHADI
108	19.671912	78.737404	8.23	IV	BHADI
109	19.669459	78.757313	5.51	IV	BHADI
110	19.661744	78.716686	21.89	IV	BHADI
111	19.677981	78.754001	45.69	V	BHADI
112	19.660118	78.717349	7.02	II	MASALA K
113	19.602238	78.862908	11.17	I	DHABA K
114	19.583928	78.860522	8.11	I	DHABA K
115	19.650362	78.754685	8.72	IV	BOREGOAN
116	19.627108	78.774425	5.26	IV	BOREGOAN
117	19.631334	78.766490	7.98	IV	BOREGOAN
118	19.631391	78.820278	7.72	IV	PIPRI
119	19.704335	78.848906	11.40	I	PITGOAN
120	19.607511	78.829911	12.18	IV	JHARI
121	19.595820	78.837990	28.11	V	JHARI
122	19.591469	78.805837	6.26	IV	KHADIKI
123	19.593066	78.686464	8.38	IV	SAYWEDPUR
124	19.616350	78.687067	23.20	IV	TOYAGUDA K

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



Division : Adilabad
Range : Bela

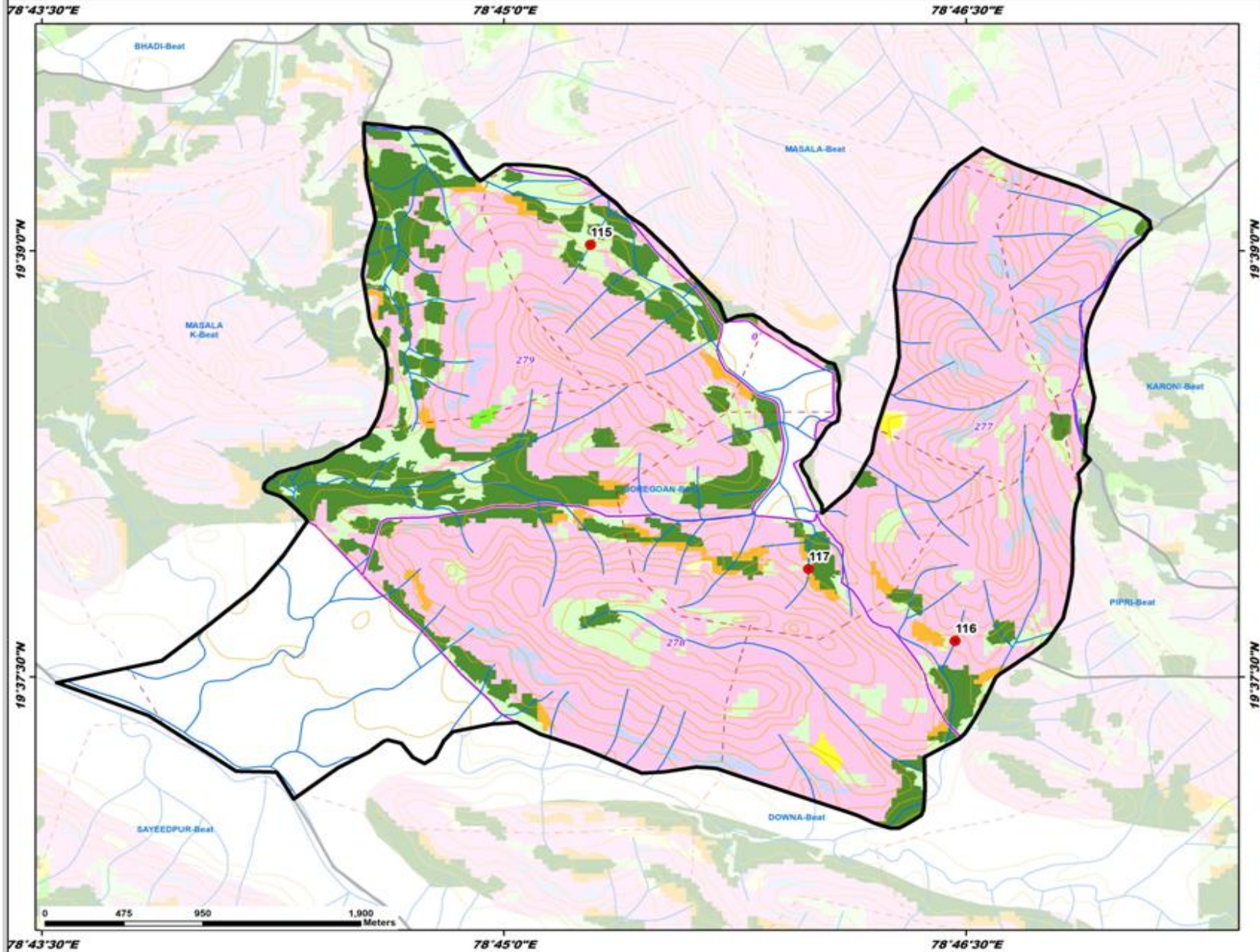


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
102	19.669033	78.742771	18.20	I
103	19.679136	78.725121	14.03	I
104	19.663126	78.716713	5.40	II
105	19.676096	78.739161	11.54	II
106	19.671327	78.724454	16.66	II
107	19.667945	78.756014	5.03	IV
108	19.671912	78.737404	8.23	IV
109	19.669459	78.757313	5.51	IV
110	19.661744	78.716686	21.89	IV
111	19.677981	78.754001	45.69	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 Boregoan Beat



Division : Adilabad
Range : Bela

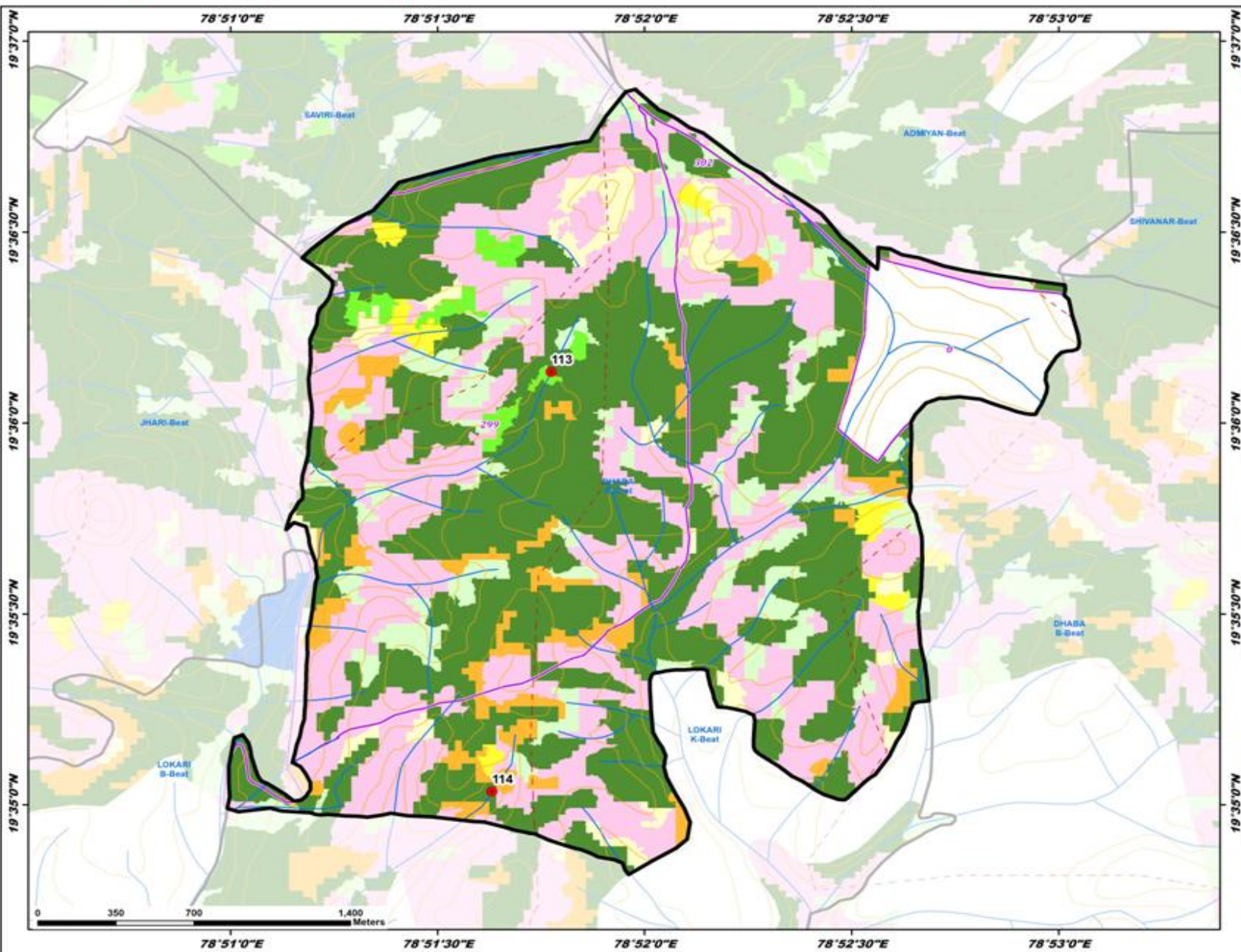
ID	Latitude	Longitude	Catchment Area Ha.	PRIORITY
115	19.650362	78.754685	8.72	IV
116	19.627108	78.774425	5.26	IV
117	19.631334	78.766490	7.98	IV

- 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 Dhaba K Beat



Division : Adilabad
Range : Bela



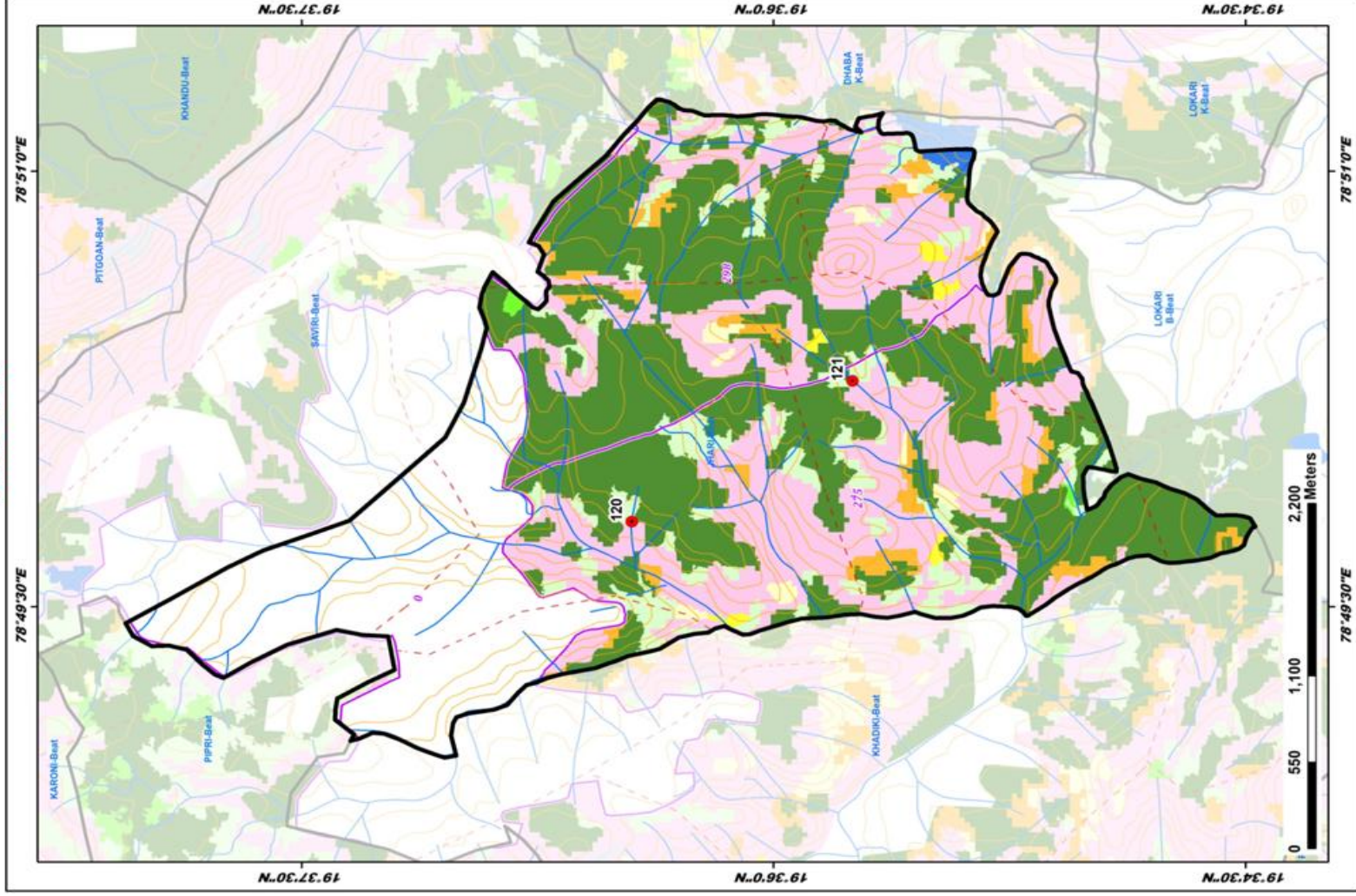
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
113	19.602238	78.862908	11.17	I
114	19.583928	78.860522	8.11	I

- 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 Jhari Beat



Division : Adilabad
Range : Bela

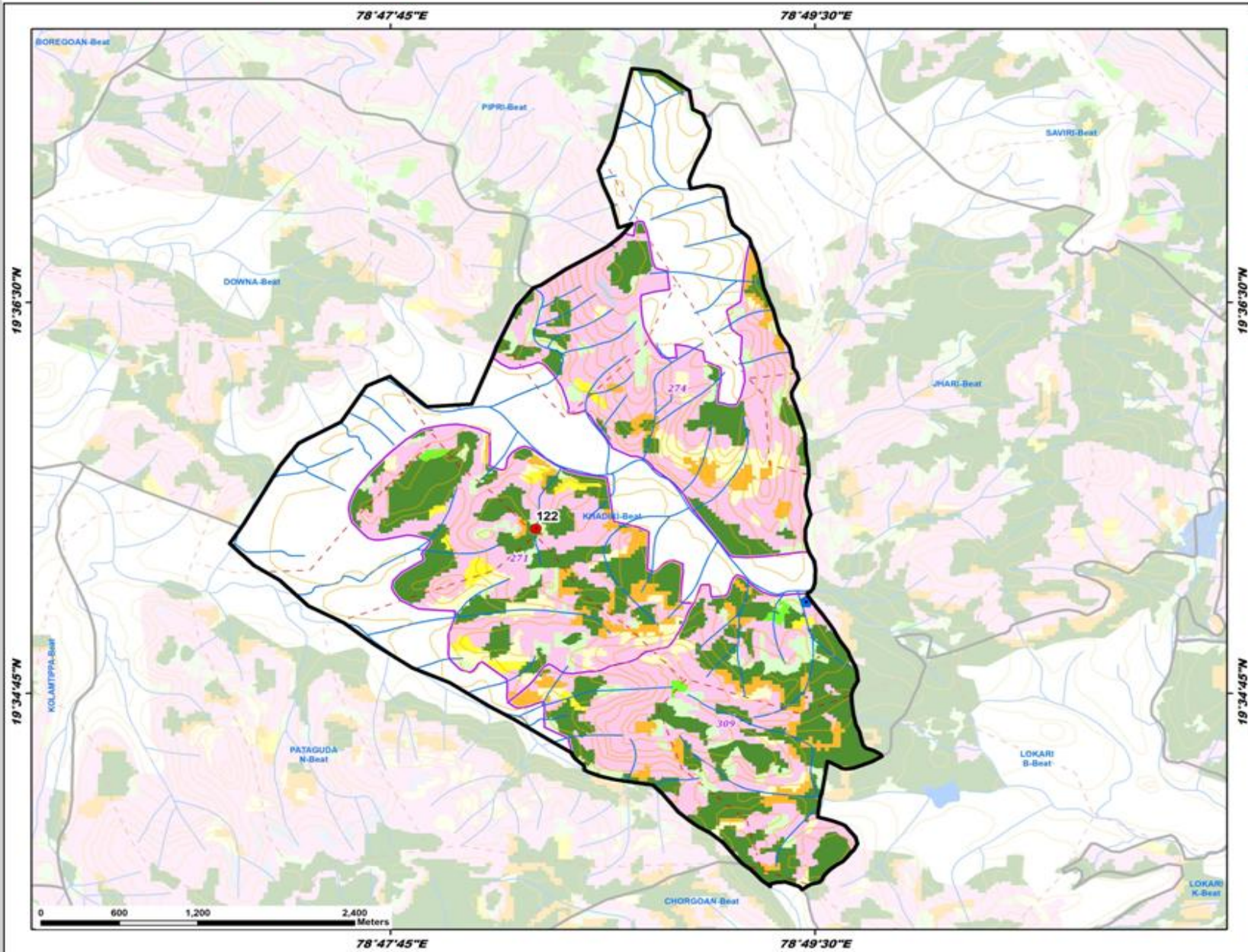


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
120	19.607311	78.829911	12.18	IV
121	19.595820	78.837990	28.11	V

LEGEND

- Proposed PTs (Red dot)
 - Existing CD/PTs (Blue dot)
 - Contours (Orange line)
 - Streams (Blue line)
 - Watershed Boundary (Dashed black line)
 - Compartment Boundary (Dashed purple line)
 - Beat Boundary (Thick black outline)
 - Division Boundary (Thick black outline)
- ### SUITABILITY INDEX
- CCTs/SCTs - Highly Suitable (Orange)
 - CCTs/SCTs - Moderately Suitable (Yellow)
 - CCTs/SCTs - Least Suitable (Light Green)
 - PTs - Highly Suitable (Dark Green)
 - PTs - Moderately Suitable (Light Green)
 - PTs - Least Suitable (Pink)
 - MPTs and SGPs - Suitable (Light Blue)
 - Not Suitable (White)
 - Water Body (Dark Blue)

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



Division : Adilabad
Range : Bela

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
122	19.591469	78.805837	6.25	IV

LEGEND

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

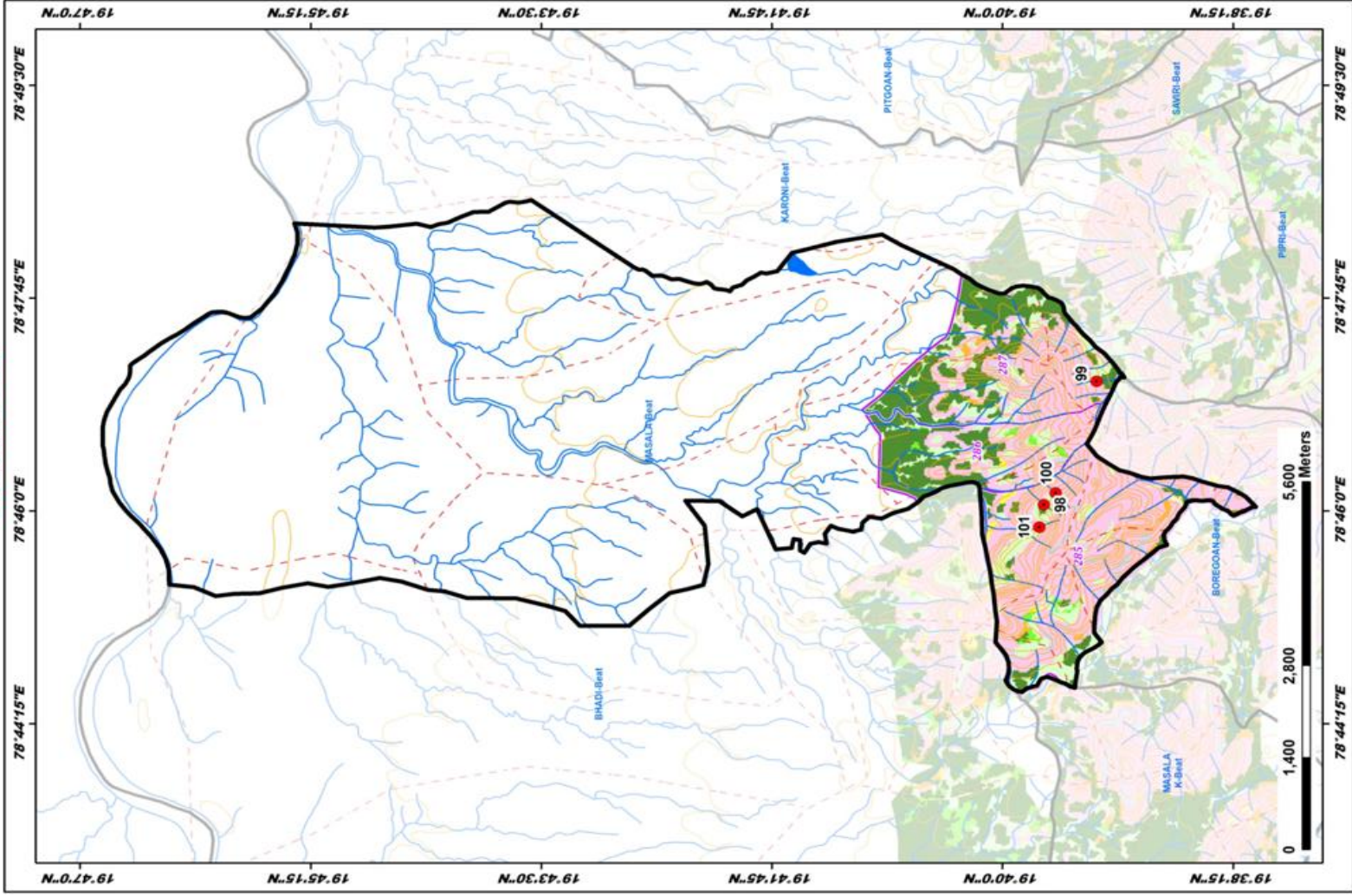
Suitability Index

- 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 Masala Beat



Division : Adilabad
Range : Bela



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
98	19.661425	78.767592	7.67	I
99	19.654767	78.764493	14.90	IV
100	19.659961	78.769165	9.33	IV
101	19.661984	78.764485	14.92	IV

LEGEND

- Proposed PTIs
- Existing CDIPs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

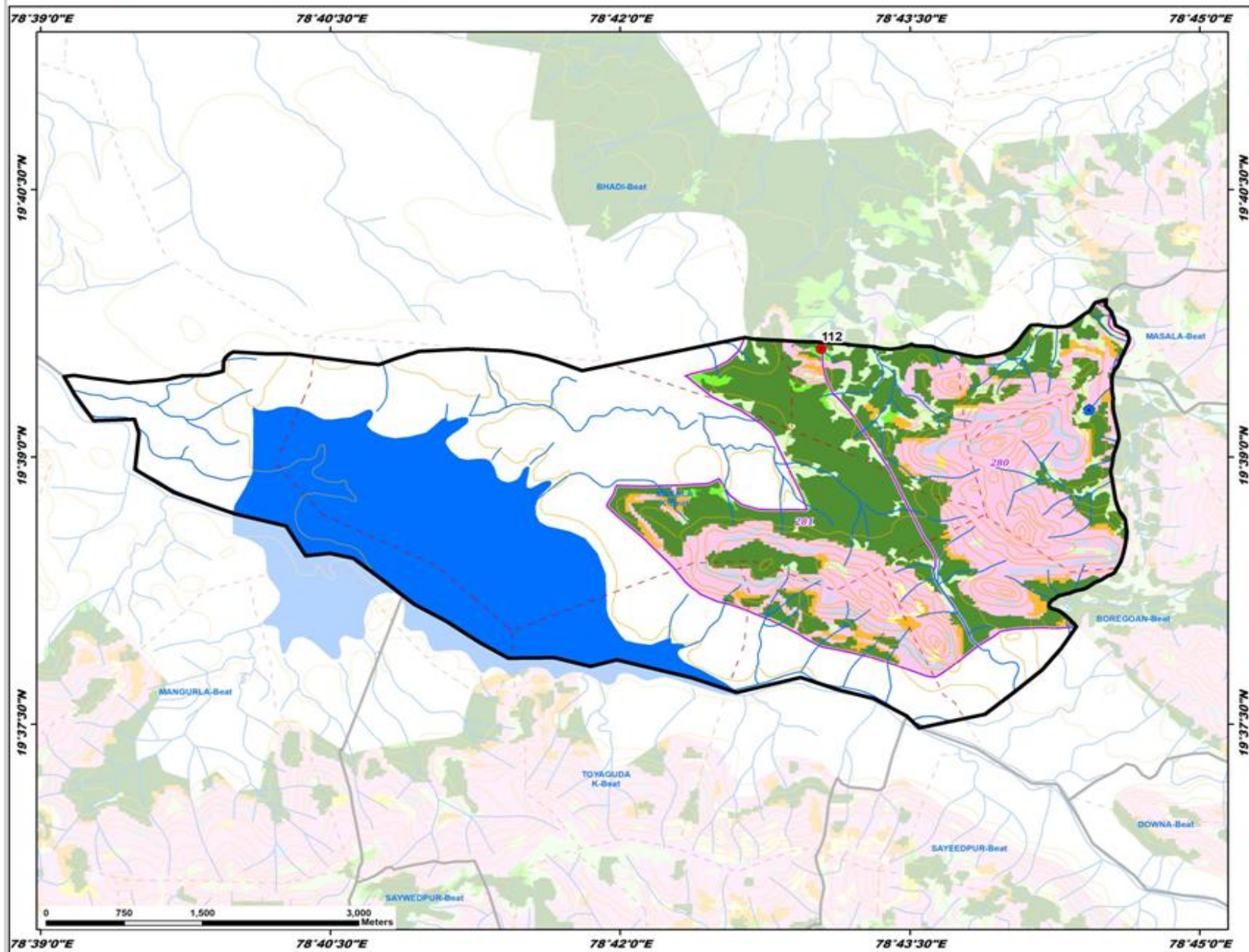
SUITABILITY INDEX

- CCTIs/SCTIs - Highly Suitable
- CCTIs/SCTIs - Moderately Suitable
- CCTIs/SCTIs - Least Suitable
- PTIs - Highly Suitable
- PTIs - Moderately Suitable
- PTIs - Least Suitable
- MPTIs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability Index for Construction of SMC Works of Masala K Beat



Division : Adilabad
Range : Bela



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
112	19.660118	78.717349	7.02	II

LEGEND

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

Suitability Index

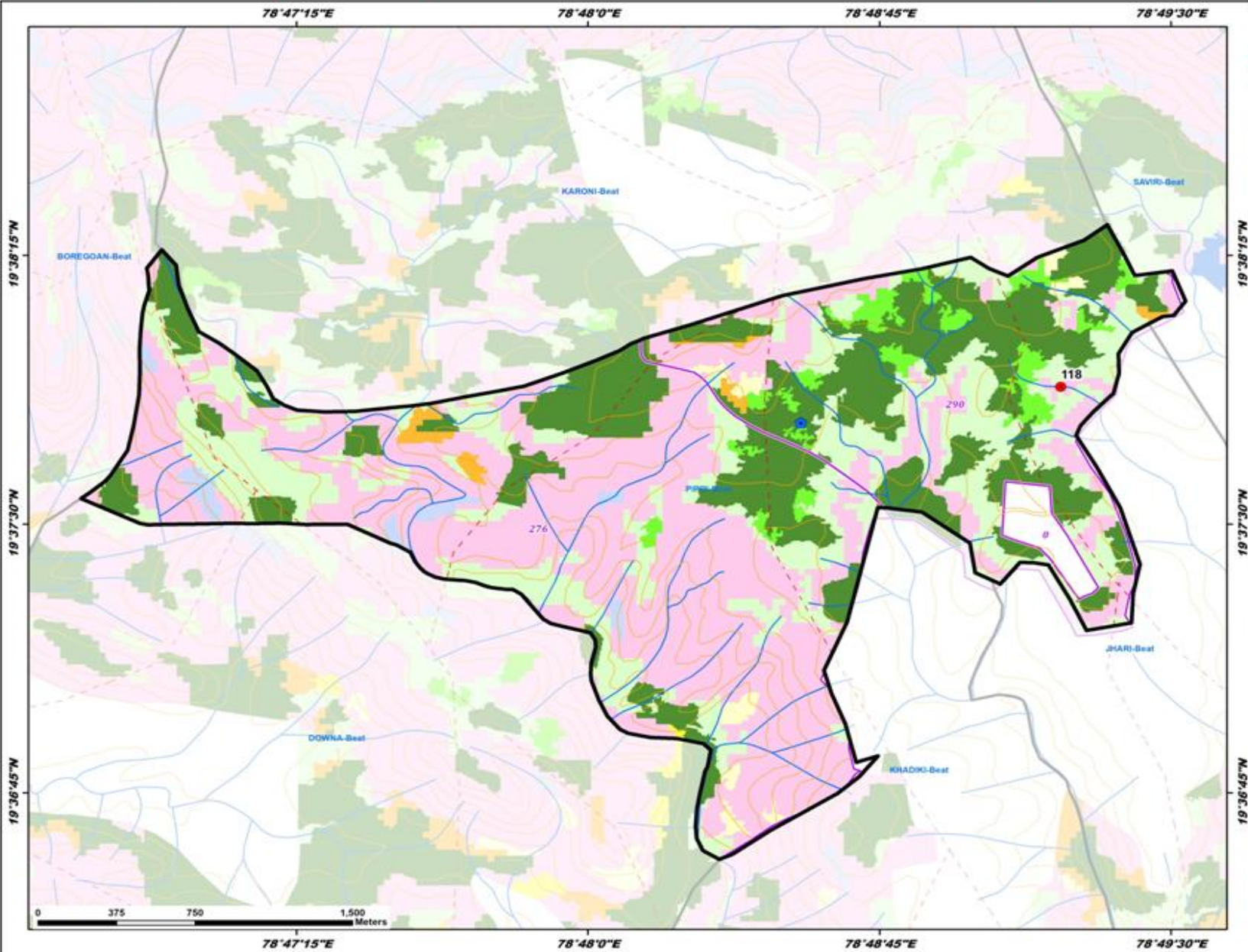
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Adilabad
Range : Bela



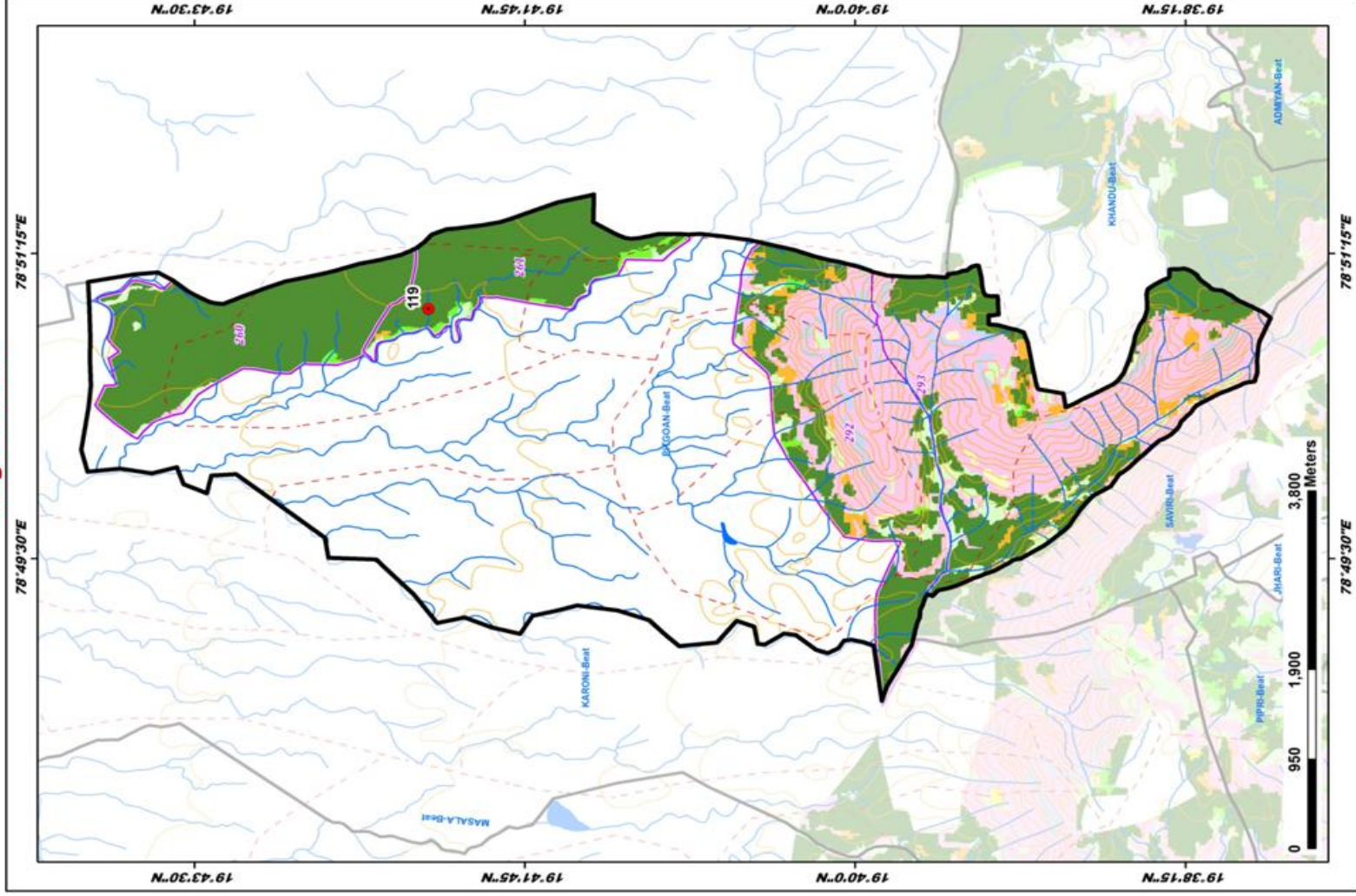
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
118	19.631391	78.820278	7.72	IV

- 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 Pitgoan Beat



Division : Adilabad
Range : Bela

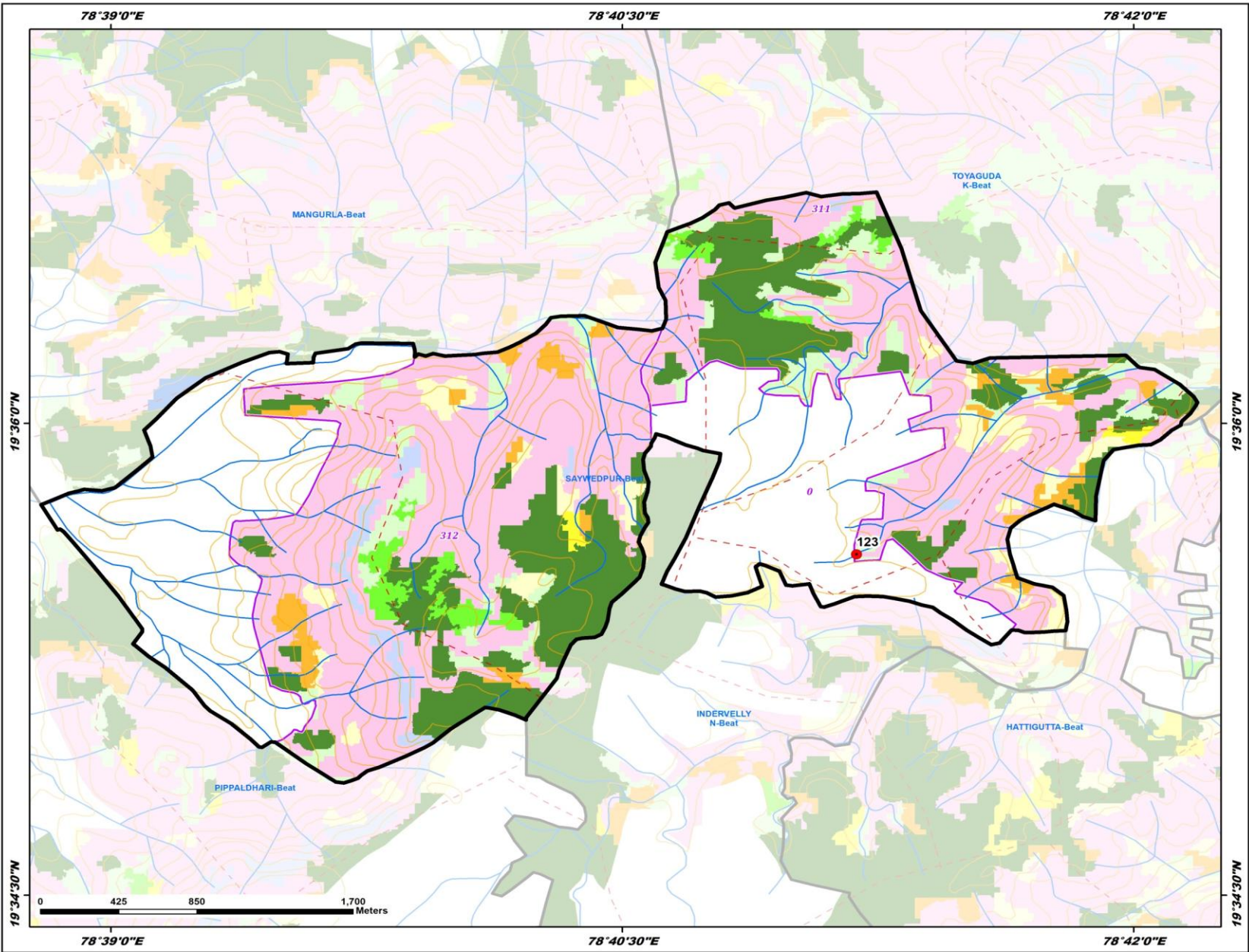


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
119	19.704335	78.848906	11.40	1

LEGEND

- Proposed PTIs
 - Existing CDPIs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
- ### SUITABILITY INDEX
- CCTIs/SCTs - Highly Suitable
 - CCTIs/SCTs - Moderately Suitable
 - CCTIs/SCTs - Least Suitable
 - PTIs - Highly Suitable
 - PTIs - Moderately Suitable
 - PTIs - Least Suitable
 - MPTIs and SGPs - Suitable
 - Not Suitable
 - Water Body

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



Division : Adilabad
Range : Bela

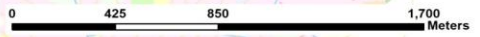
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
123	19.593066	78.686464	8.38	IV

LEGEND

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

Suitability Index

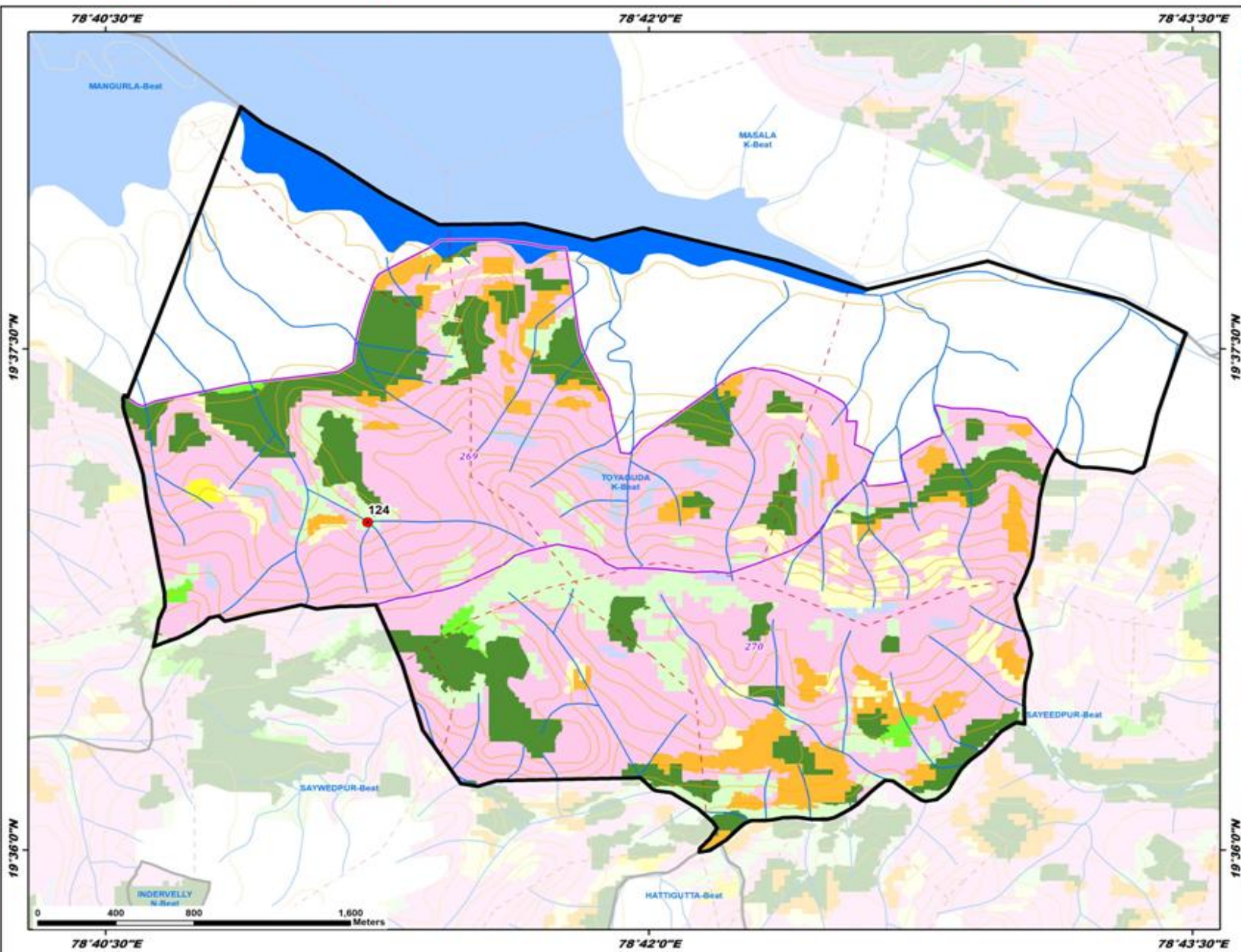
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability Index for Construction of SMC Works of Toyaguda K Beat



Division : Adilabad
Range : Bela



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
124	19.616350	78.667067	23.20	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



19°36'0"N

19°37'30"N

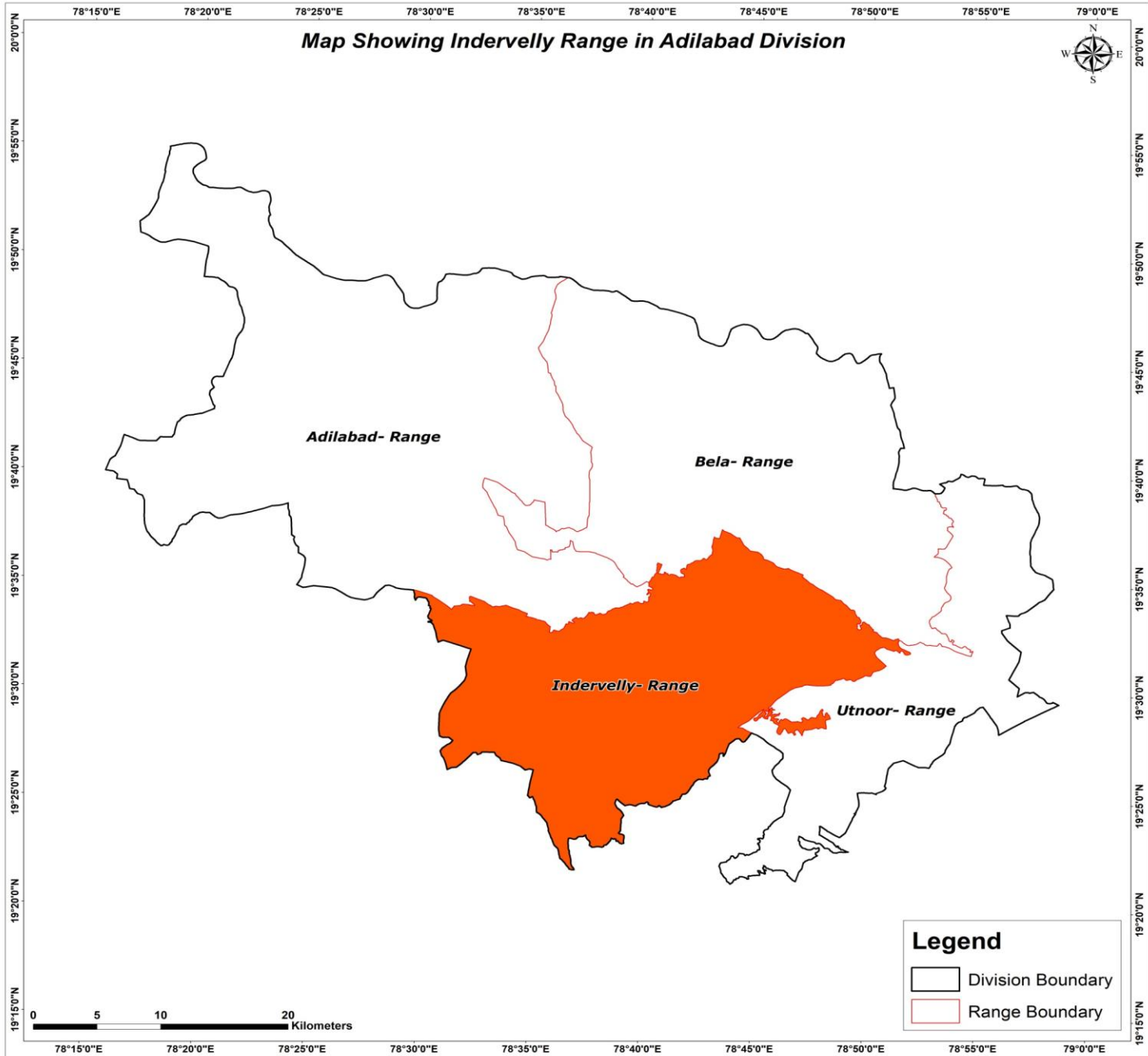
78°40'30"E

78°42'0"E

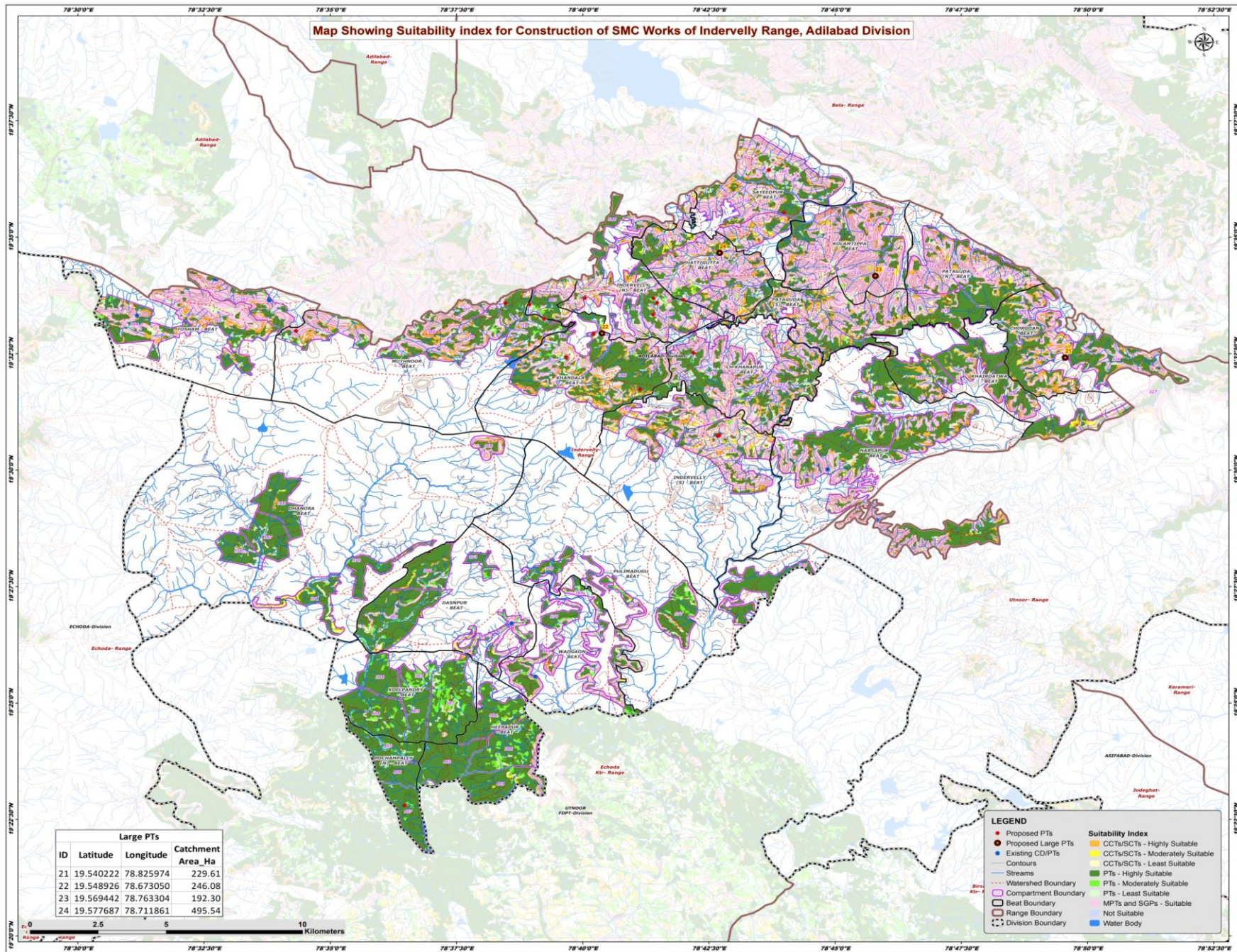
78°43'30"E

19°36'0"N

19°37'30"N



Map Showing Suitability index for Construction of SMC Works of Indervelly Range, Adilabad Division

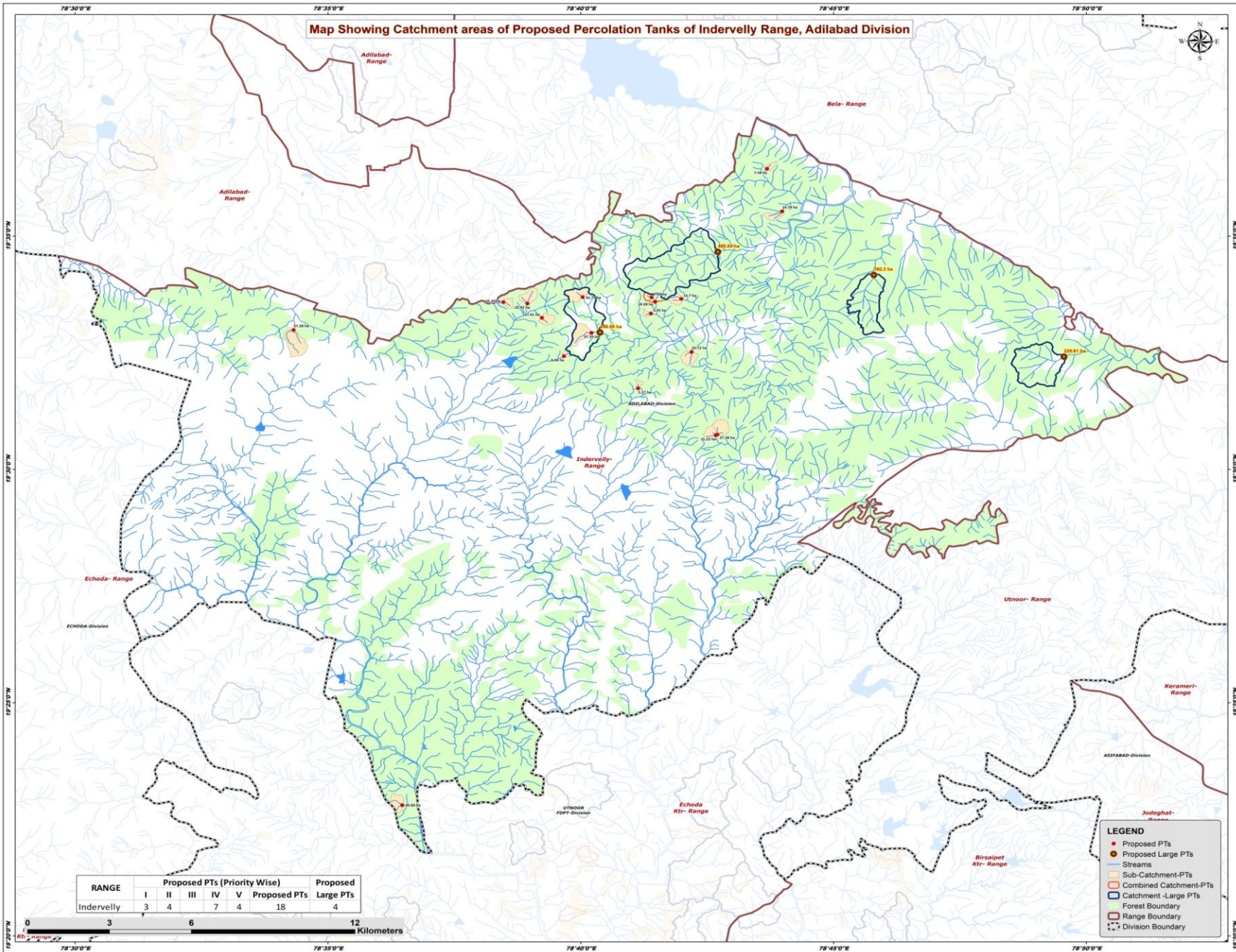


Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
21	19.540222	78.825974	229.61
22	19.548926	78.673050	246.08
23	19.569442	78.763304	192.30
24	19.577687	78.711861	495.54

- 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
 - MP Ts and SGPs - Suitable
 - Not Suitable
 - Water Body



Map Showing Catchment areas of Proposed Percolation Tanks of Indervelly Range, Adilabad Division



Beat wise Abstract of Proposed PT's – Indervelly Range

S. No.	Beat	Proposed PT's
1	CH KHANAPUR	1
2	HATTIGUTTA	1
3	INDERVELLY N	4
4	INDERVELLY S	2
5	KHANDALA	4
6	MUTHNOOR	3
7	POCHAMPALLY N	1
8	SAYEEDPUR	2
	Total	18

List of Proposed PTs – Indervelly Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
125	19.379993	78.607867	30.83	II	POCHAMPALLY N
126	19.541925	78.703223	25.72	V	CH KHANAPUR
127	19.561523	78.667329	31.75	II	INDERVELLY N
128	19.555667	78.689821	5.35	IV	INDERVELLY N
129	19.559856	78.691207	19.39	IV	INDERVELLY N
130	19.561431	78.690037	7.05	IV	INDERVELLY N
131	19.512165	78.711167	15.23	I	INDERVELLY S
132	19.512411	78.711699	27.28	II	INDERVELLY S
133	19.528932	78.685613	5.27	I	KHANDALA
134	19.540412	78.661141	6.04	II	KHANDALA
135	19.559227	78.649073	25.92	V	KHANDALA
136	19.548762	78.670232	37.35	V	KHANDALA
137	19.559725	78.641184	10.25	IV	MUTHNOOR
138	19.554131	78.653865	17.41	IV	MUTHNOOR
139	19.549756	78.572044	57.39	V	MUTHNOOR
140	19.560918	78.699840	15.70	IV	HATTIGUTTA
141	19.592175	78.733069	14.74	I	SAYEEDPUR
142	19.607351	78.728084	7.39	IV	SAYEEDPUR

Map Showing Suitability Index for Construction of SMC Works of CH Khanapur Beat



78°42'0"E

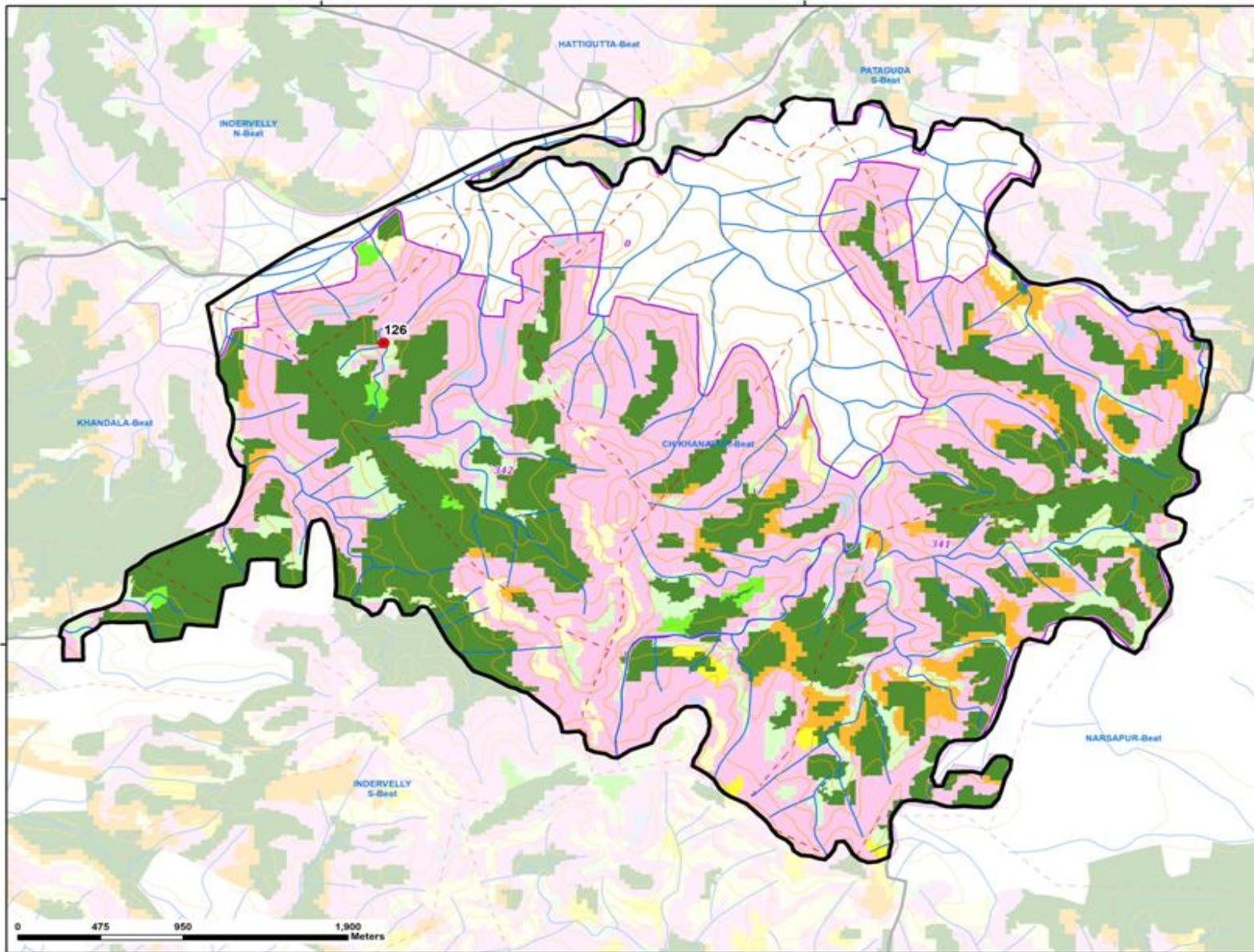
78°43'30"E

19°33'0"N

19°33'0"N

19°31'30"N

19°31'30"N



Division : Adilabad
Range : Indervelly

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
126	19.541925	78.703223	25.72	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

0 475 950 1,900 Meters

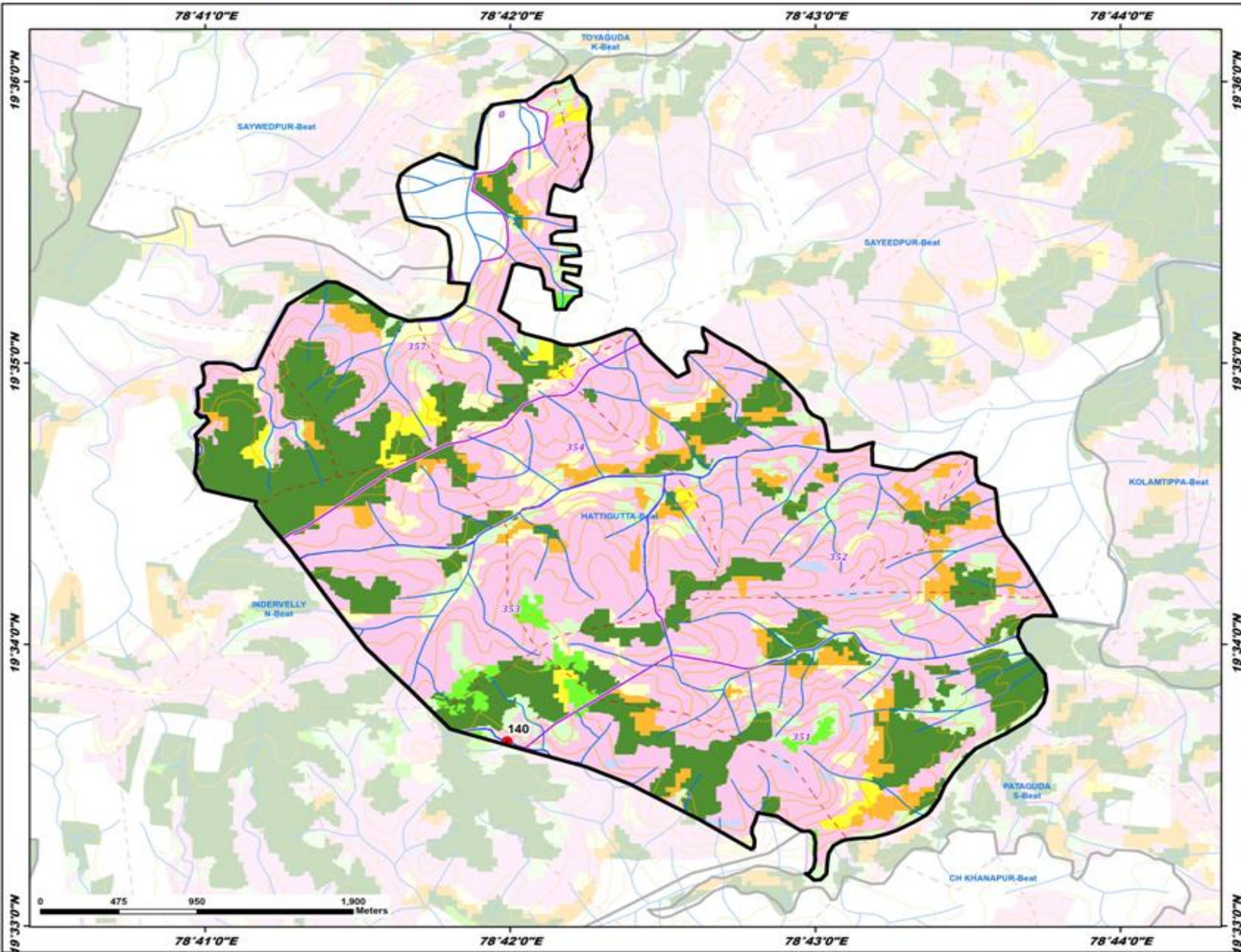
78°42'0"E

78°43'30"E

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



Division : Adilabad
Range : Indervelly



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
140	19.560918	78.699840	15.70	IV

LEGEND

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

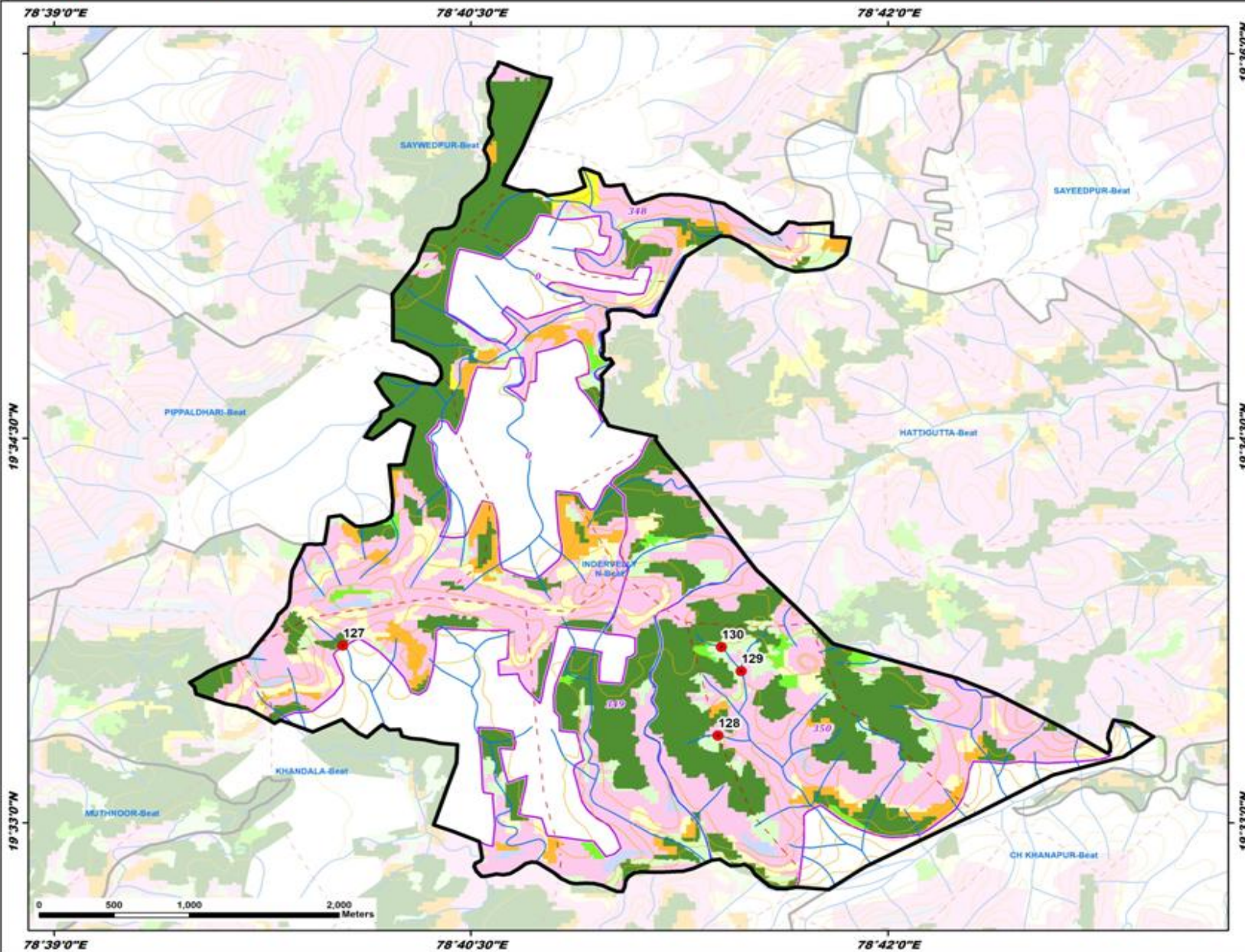
Suitability Index

- 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 Indervelly North Beat



Division : Adilabad
Range : Indervelly



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
127	19.561523	78.667329	31.75	II
128	19.555667	78.688821	5.35	IV
129	19.559856	78.691207	19.39	IV
130	19.561431	78.690037	7.05	IV

LEGEND

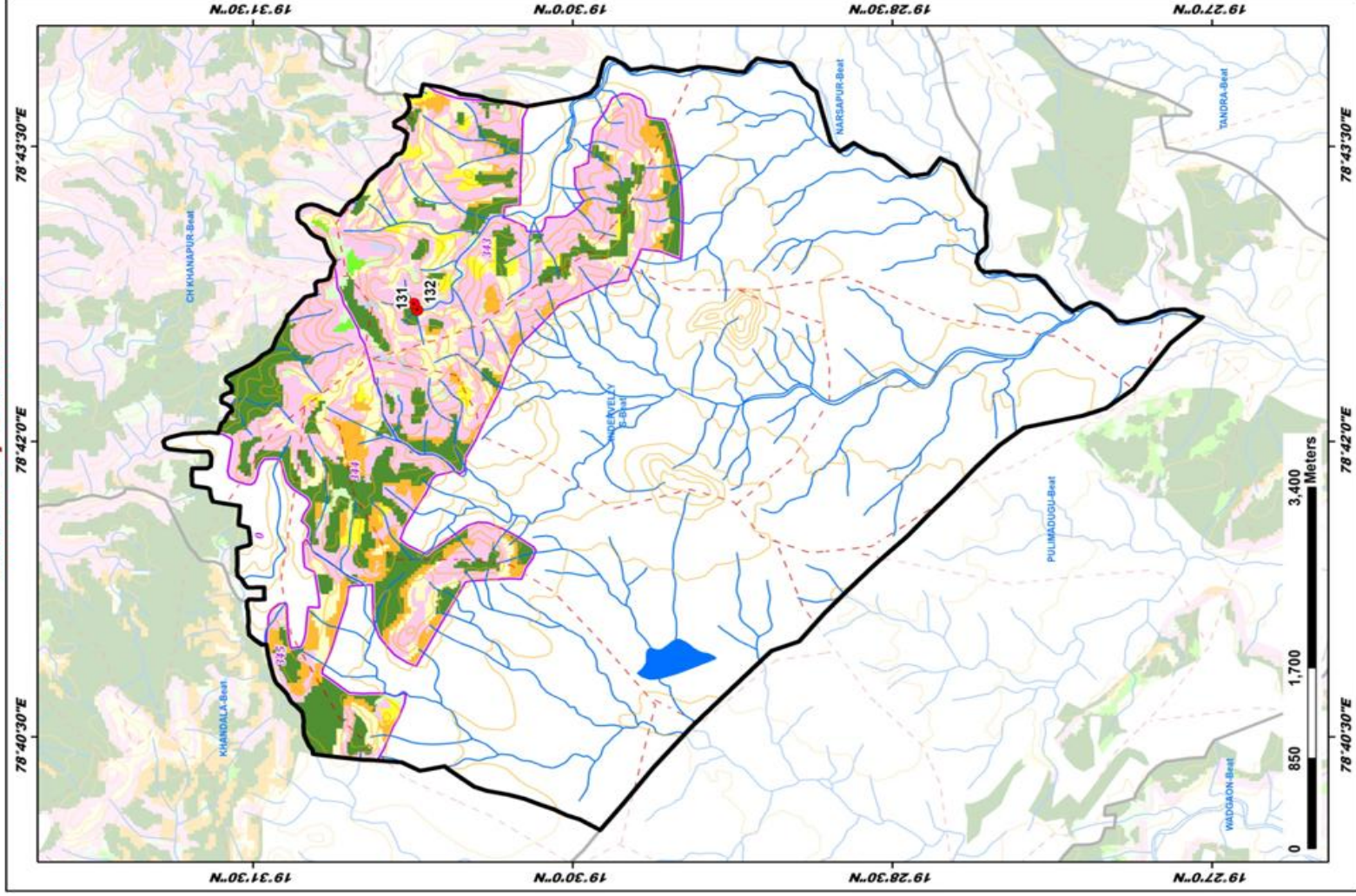
- Proposed PTs
 - Existing CD/PTs
 - Contours
 - Streams
 - - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
 - CCTs/SCTs - Moderately Suitable
 - CCTs/SCTs - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately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

0 500 1,000 2,000 Meters

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



Division : Adilabad
Range : Indervelly



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
131	19.512165	78.711167	15.23	I
132	19.512411	78.711699	27.28	II

LEGEND

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

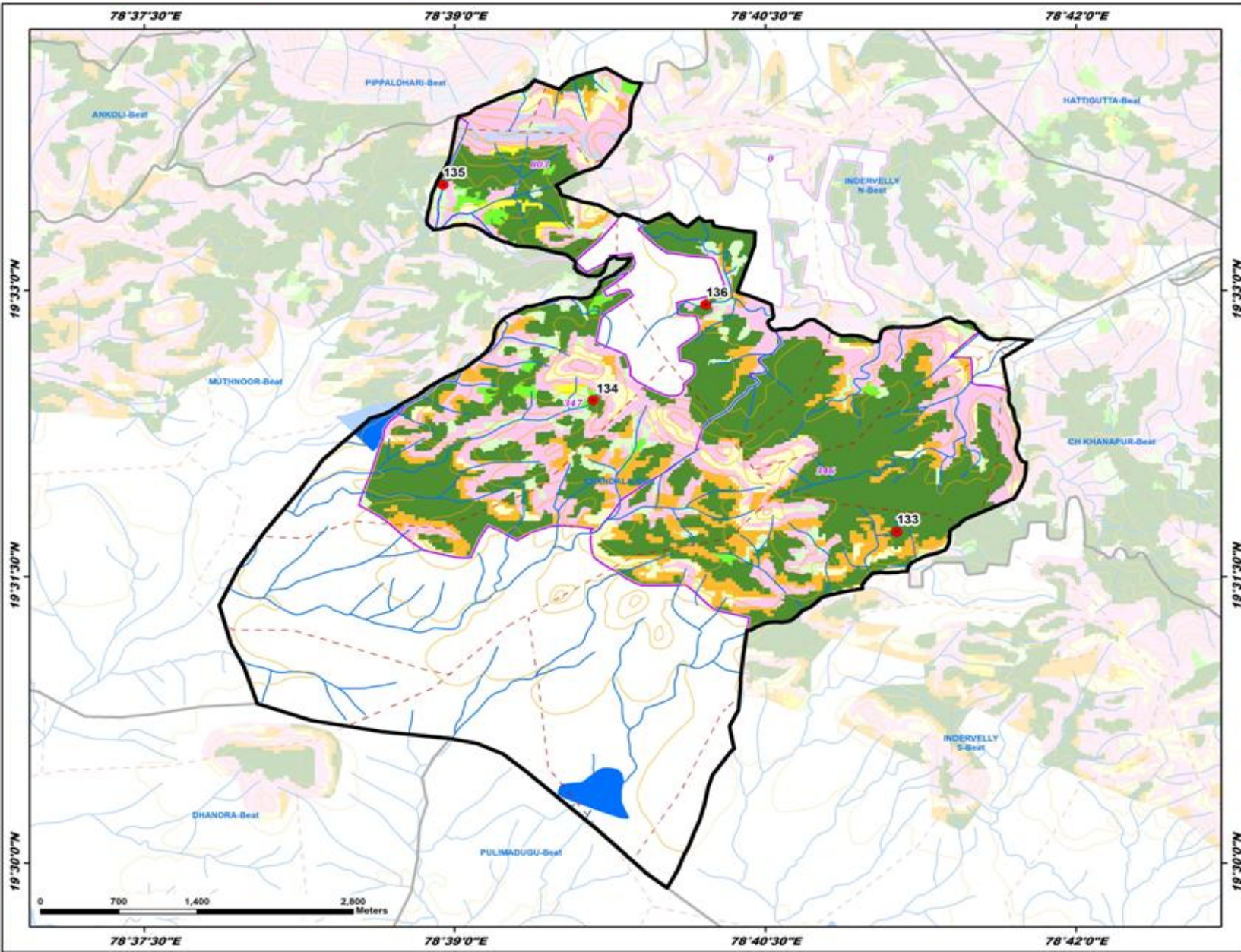
SUITABILITY INDEX

- 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 Khandala Beat



Division : Adilabad
Range : Indervelly



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
133	19.528932	78.685613	5.27	I
134	19.540412	78.661141	6.04	II
135	19.559227	78.649073	25.92	V
136	19.548762	78.670232	37.35	V

LEGEND

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

Suitability Index

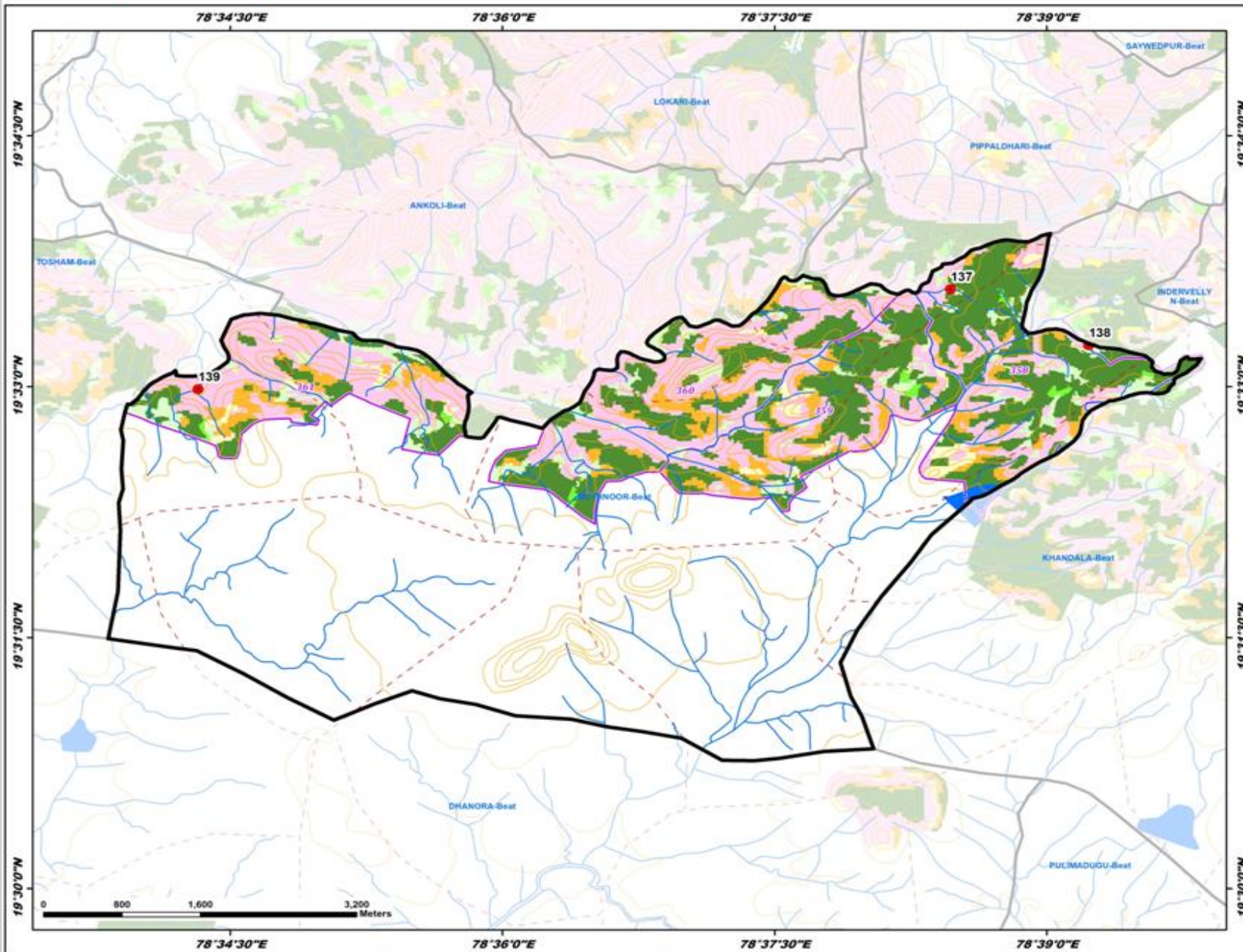
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Adilabad
Range : Indervelly



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
137	19.559725	78.641184	10.25	IV
138	19.554131	78.653865	17.41	IV
139	19.549756	78.572044	57.39	V

LEGEND

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

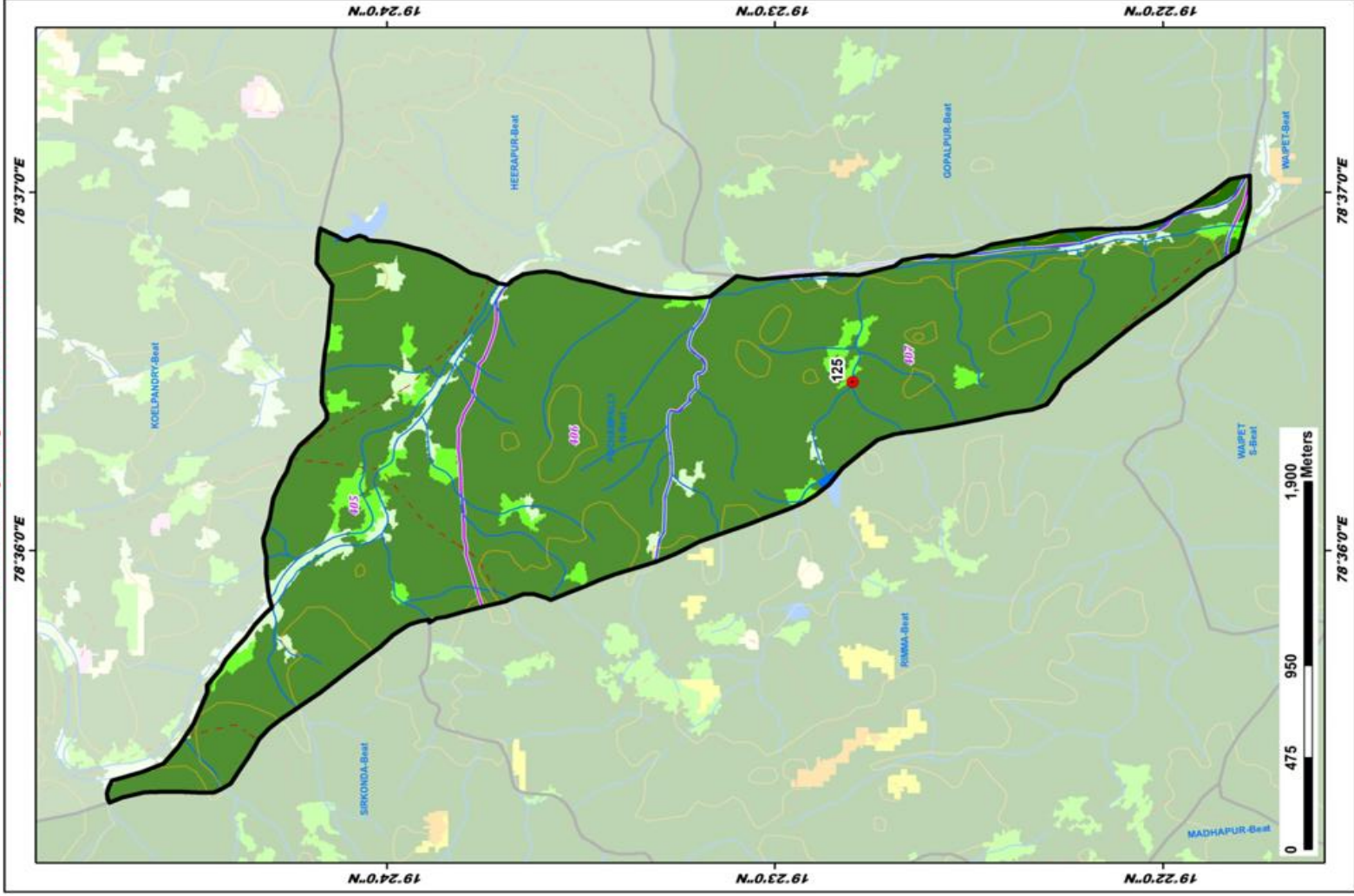
Suitability Index

- 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 Pochampally North Beat



Division : Adilabad
Range : Indervelly



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
125	19.379993	78.607867	30.83	II

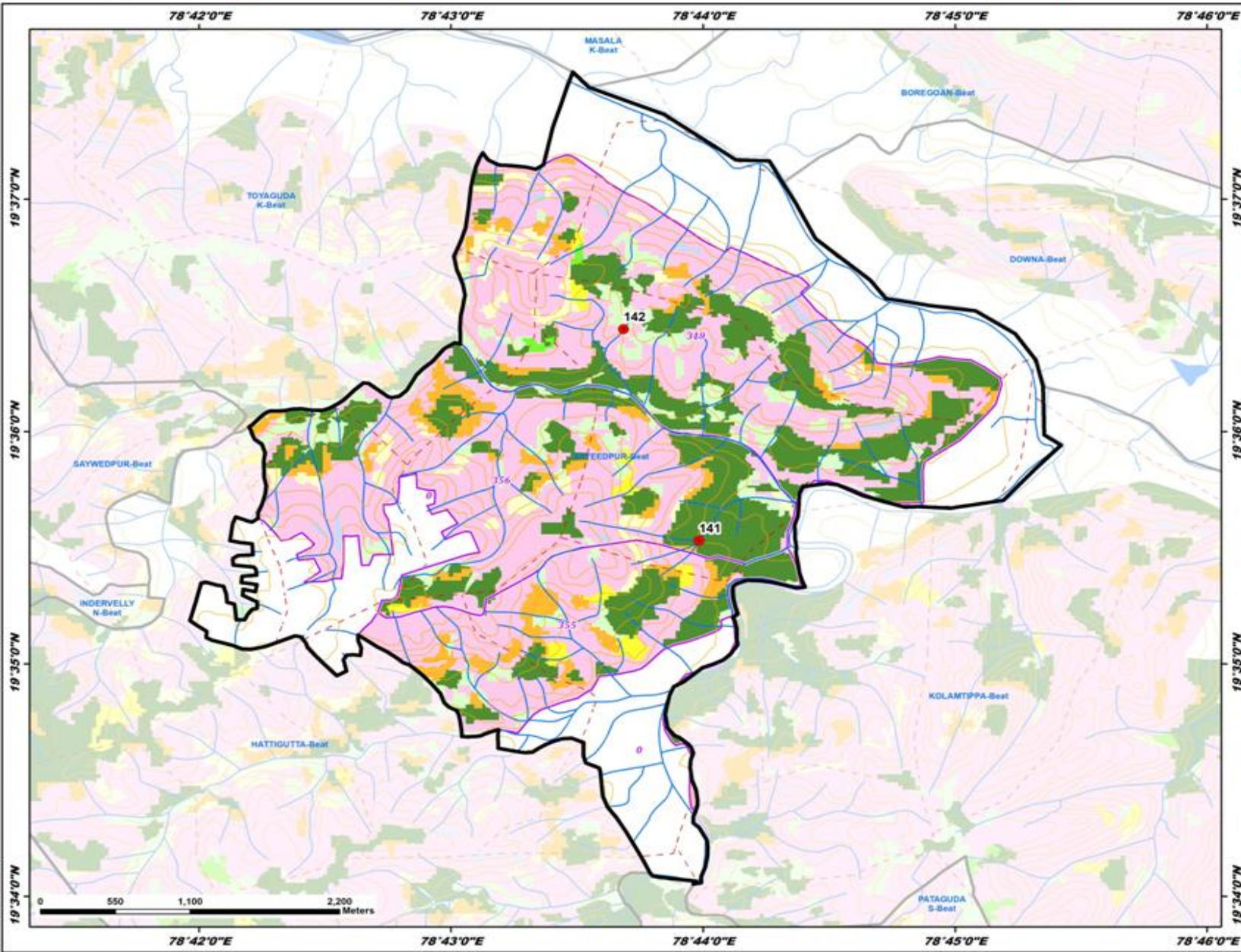
LEGEND

- Proposed PTs
 - Existing CDPTs
 - 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 Sayedpur Beat



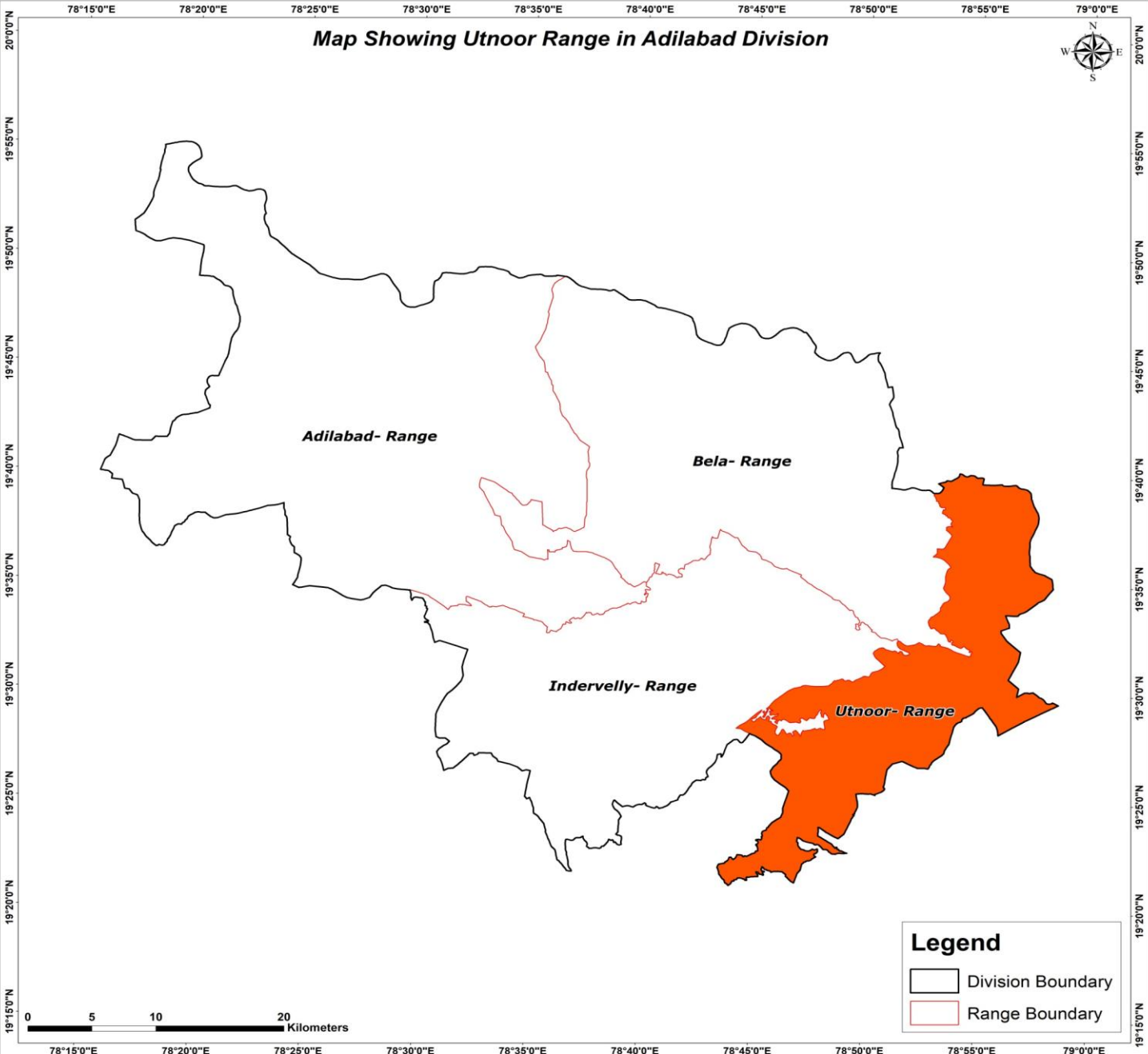
Division : Adilabad
Range : Indervelly



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
141	19.592175	78.733069	14.74	I
142	19.607351	78.728084	7.39	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 Utnoor Range in Adilabad Division

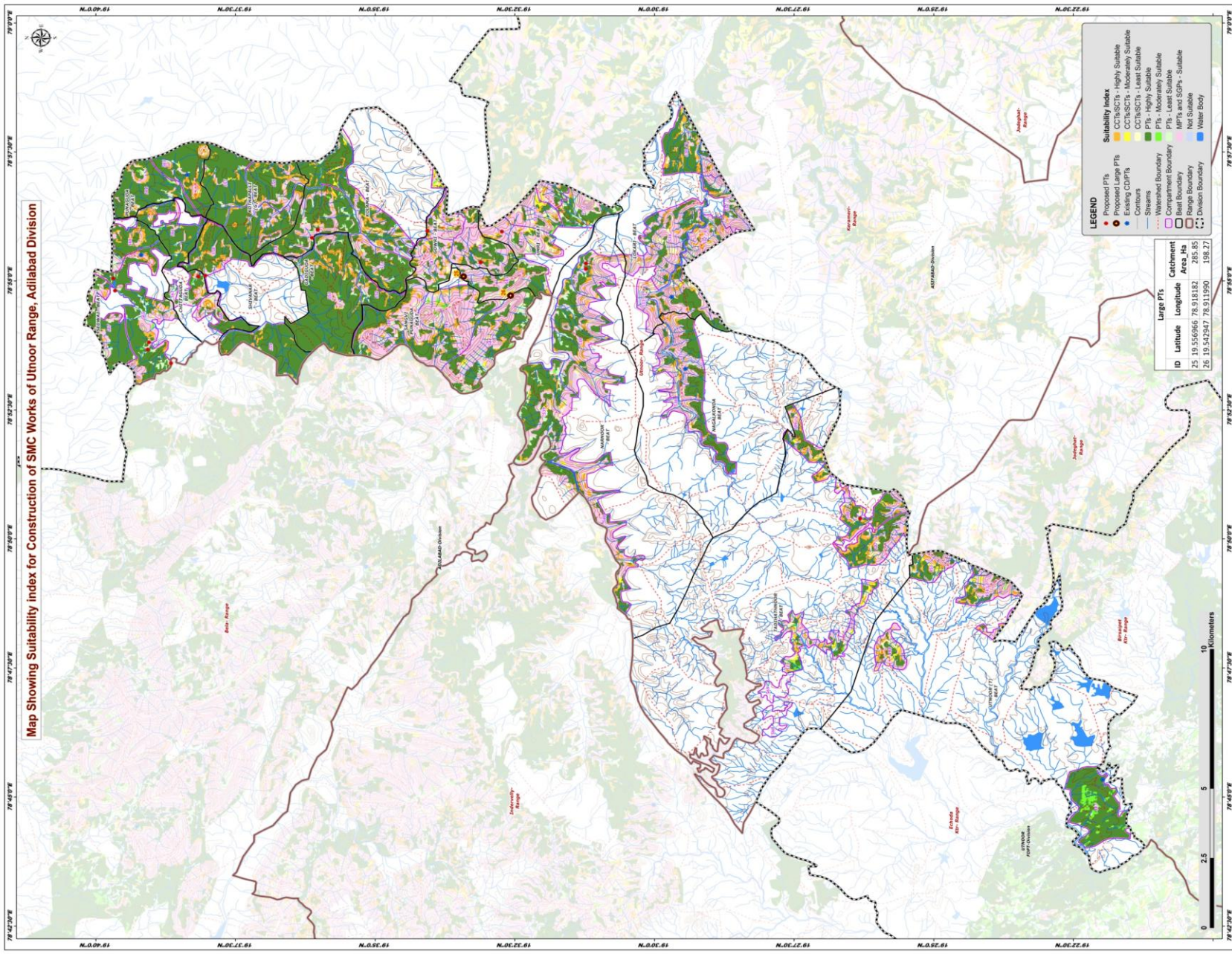


0 5 10 20 Kilometers

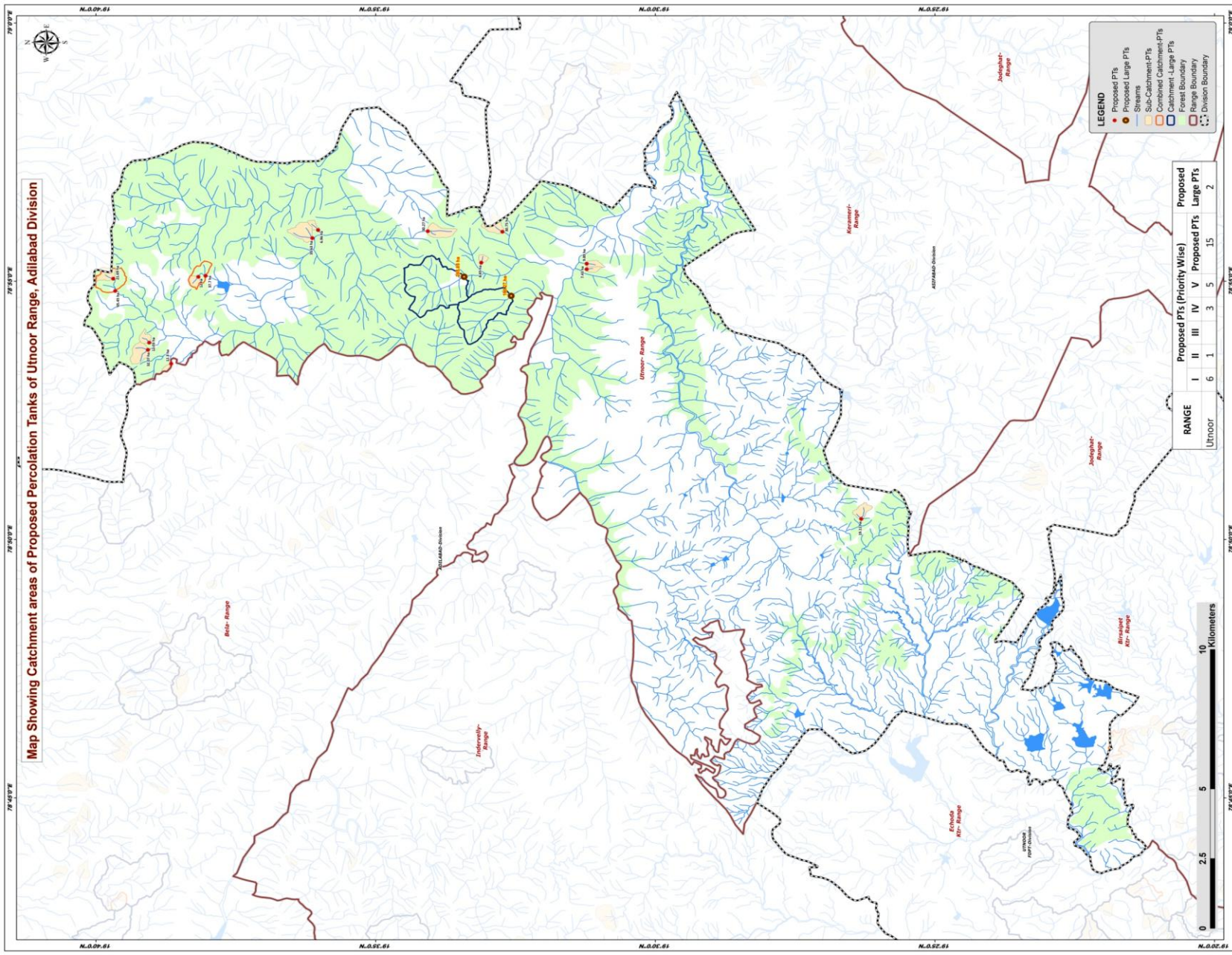
Legend

- Division Boundary
- Range Boundary

Map Showing Suitability Index for Construction of SMC Works of Unoor Range, Adilabad Division



Map Showing Catchment areas of Proposed Percolation Tanks of Unnoor Range, Adilabad Division



Beat wise Abstract of Proposed PT's – Utnoor Range

S. No.	Beat	Proposed PT's
1	CHITTAGUDA	1
2	GOWRI	2
3	KOLAMA	2
4	NARNOOR	2
5	SEDWAI	5
6	SHIVANAR	1
7	TADIHATHNOOR	1
8	UMRI	1
	Total	15

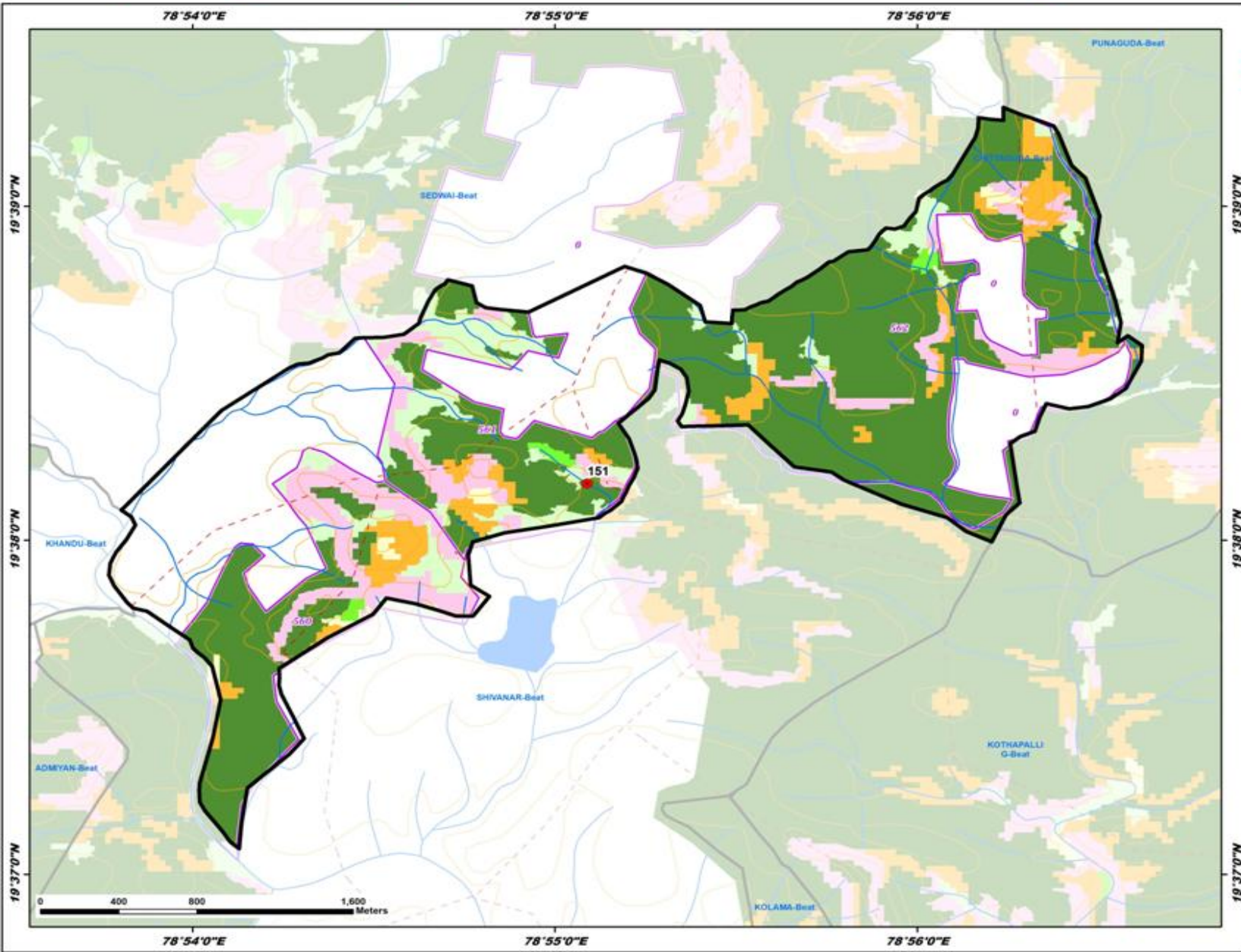
List of Proposed PTs – Utnoor Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
143	19.600477	78.933259	6.96	I	KOLAMA
144	19.602195	78.930644	35.63	V	KOLAMA
145	19.633997	78.918470	37.70	V	SHIVANAR
146	19.551838	78.922725	6.45	I	GOWRI
147	19.567764	78.932859	30.27	II	GOWRI
148	19.545548	78.932691	30.75	V	UMRI
149	19.520428	78.920603	7.43	I	NARNOOR
150	19.520435	78.922389	9.89	IV	NARNOOR
151	19.636165	78.918160	12.00	I	CHITTAGUDA
152	19.661517	78.917571	21.69	I	SEDWAI
153	19.644272	78.890159	12.30	IV	SEDWAI
154	19.650786	78.896913	12.03	IV	SEDWAI
155	19.660956	78.913603	65.45	V	SEDWAI
156	19.651166	78.894612	32.07	V	SEDWAI
157	19.438618	78.840063	19.11	I	TADIHATHNOOR

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



Division : Adilabad
Range : Utnoor



ID	Latitude	Longitude	Catchment Area Ha.	PRIORITY
151	19.636165	78.918160	12.00	I

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



19°39'0"N
19°38'0"N
19°37'0"N

19°39'0"N
19°38'0"N
19°37'0"N

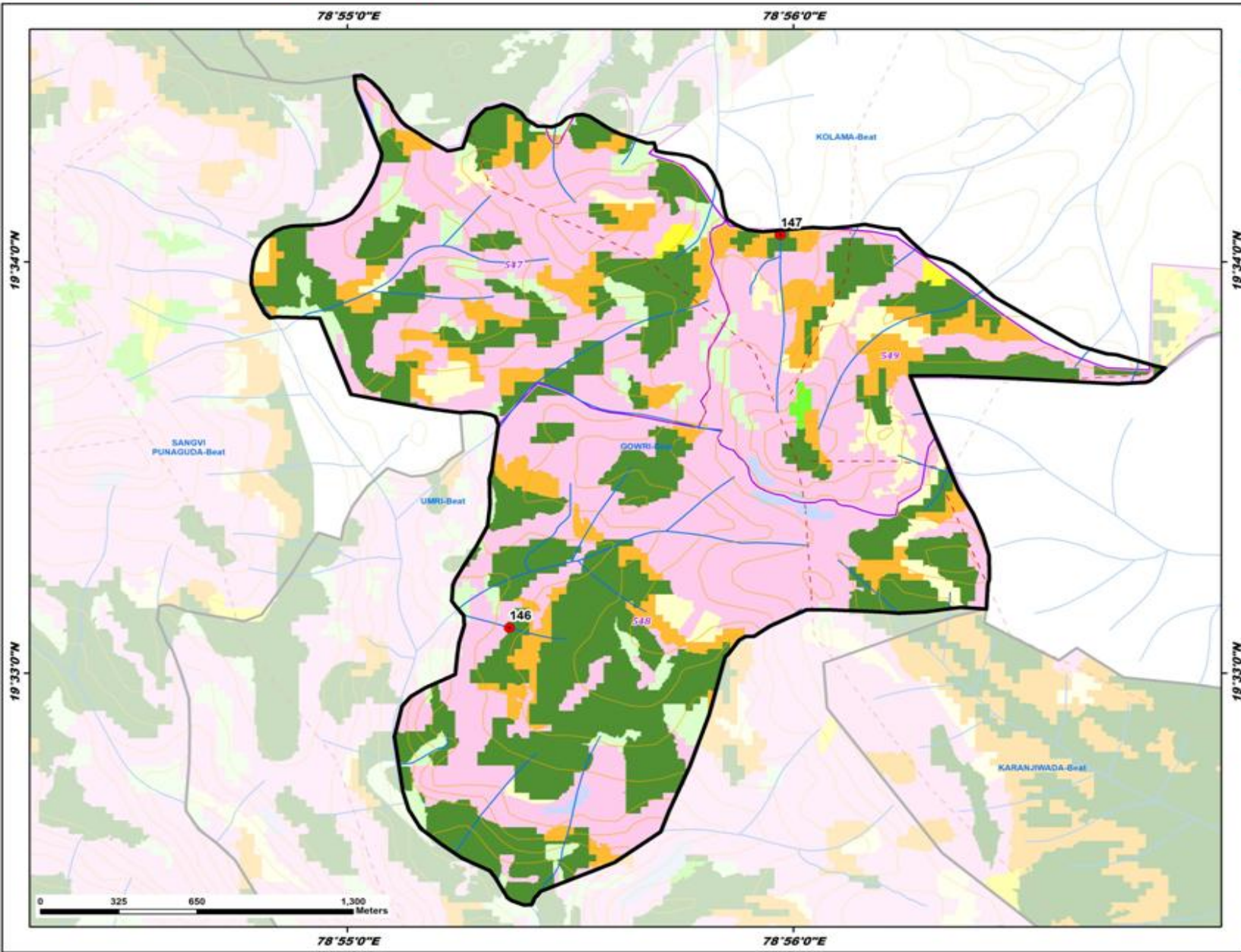
78°54'0"E 78°55'0"E 78°56'0"E

78°54'0"E 78°55'0"E 78°56'0"E

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



Division : Adilabad
Range : Utnoor



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
146	19.551838	78.922725	6.45	I
147	19.567764	78.932859	30.27	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



78°55'0"E 78°56'0"E

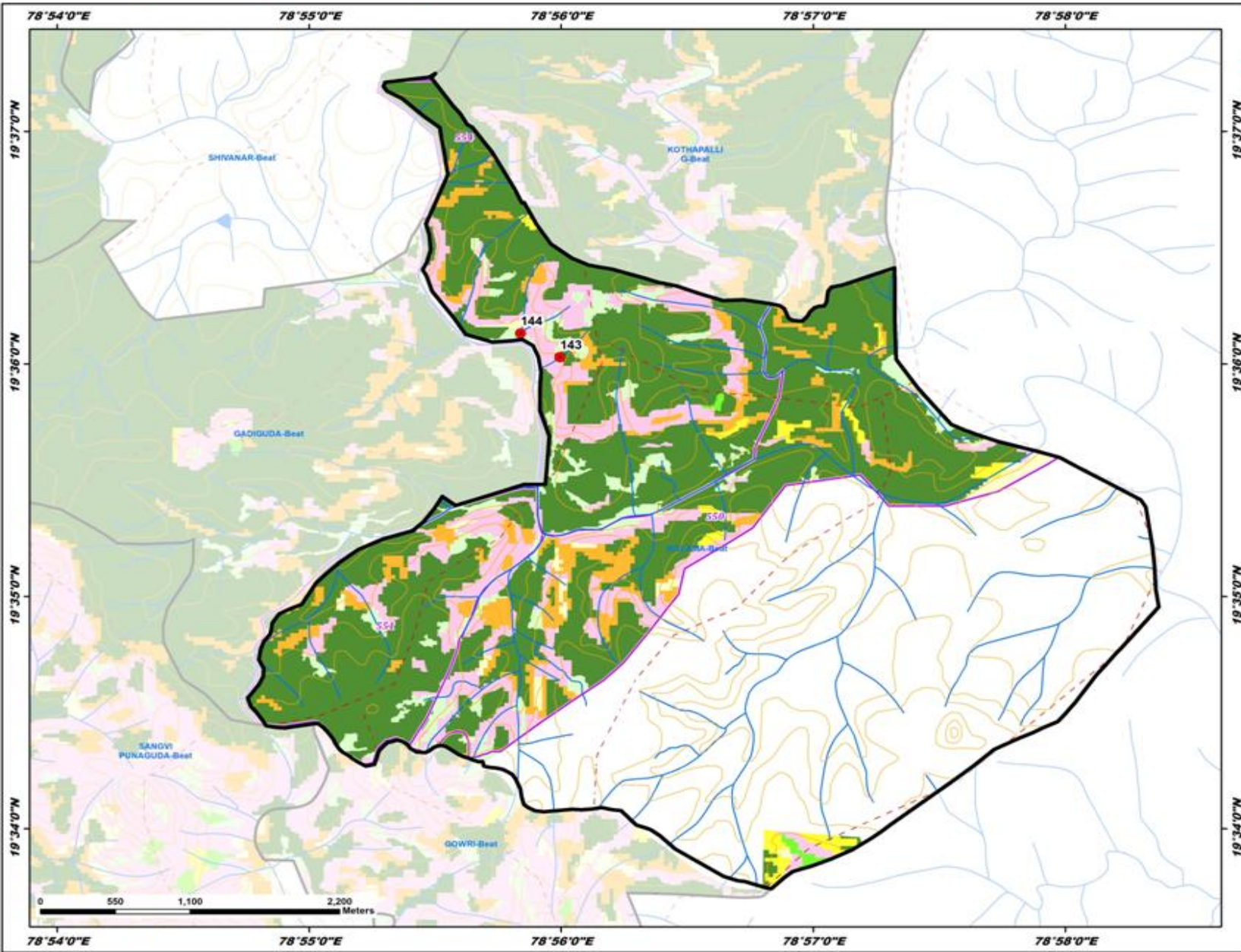
19°34'0"N
19°33'0"N

19°34'0"N
19°33'0"N

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



Division : Adilabad
Range : Utnoor



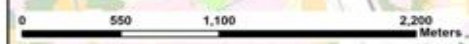
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
143	19.600477	78.933259	6.96	I
144	19.602195	78.930644	35.63	V

LEGEND

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

Suitability Index

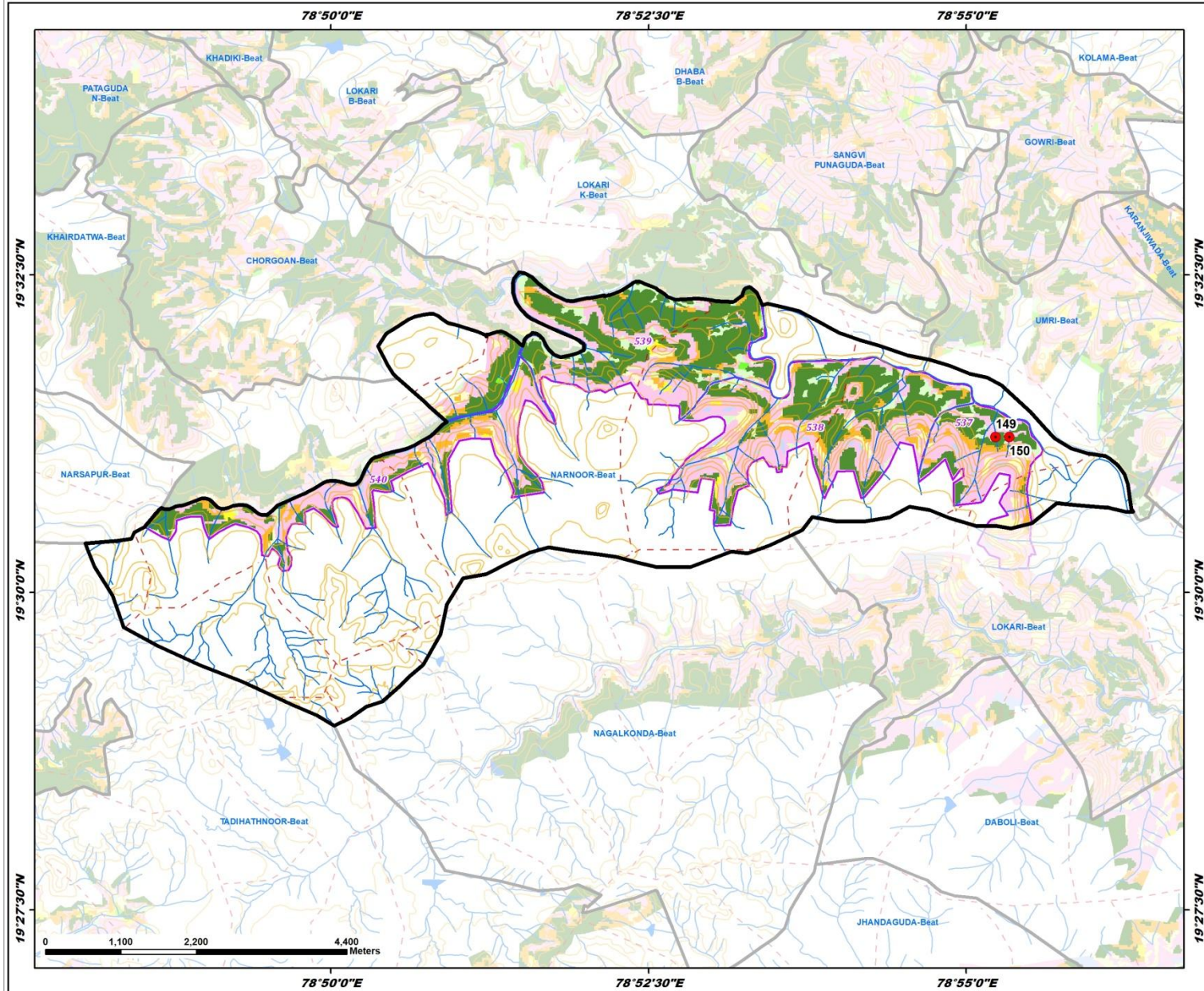
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Adilabad
Range : Utnoor



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
149	19.520428	78.920603	7.43	I
150	19.520435	78.922389	9.89	IV

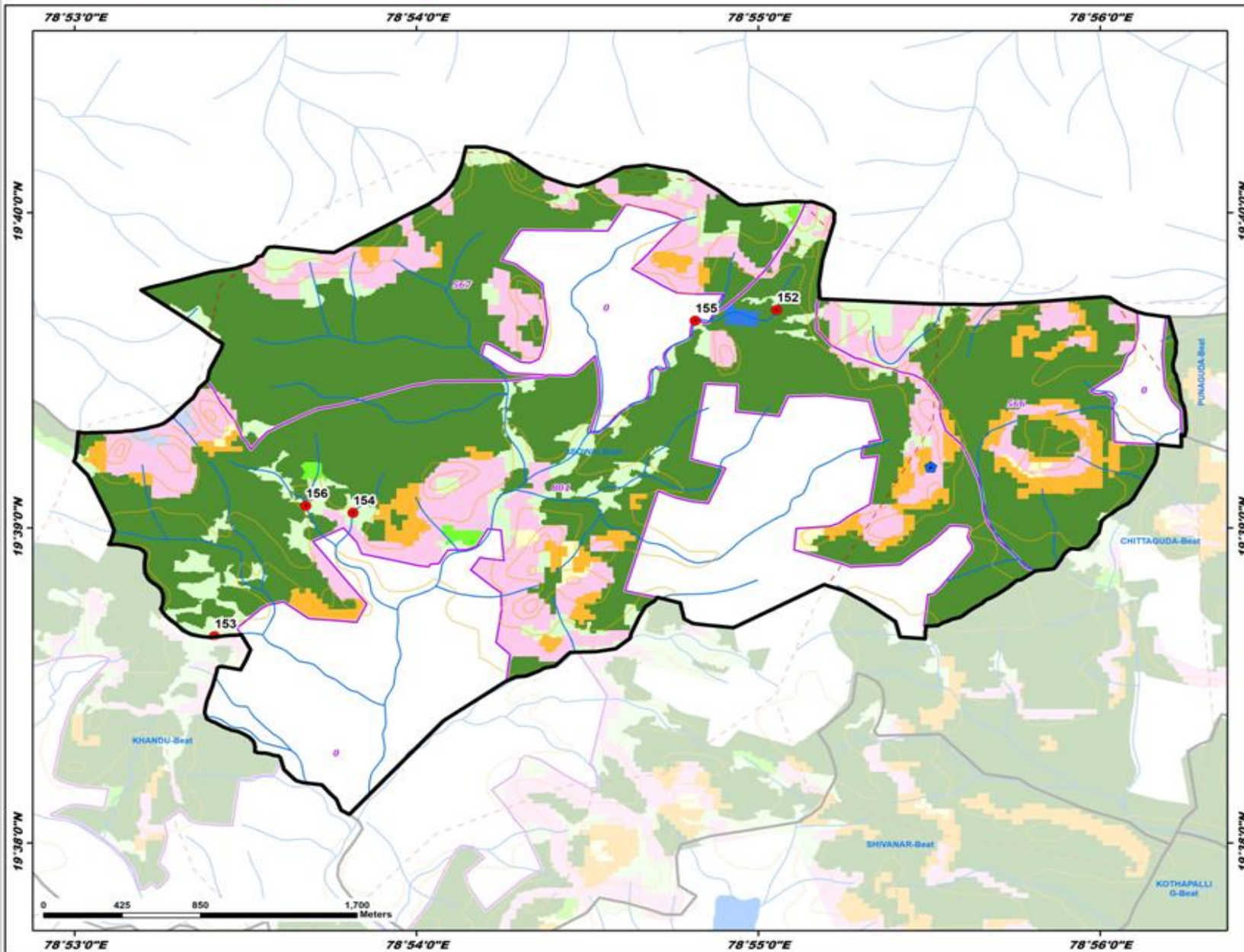
LEGEND

- 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 Sedwai Beat



Division : Adilabad
Range : Utnoor



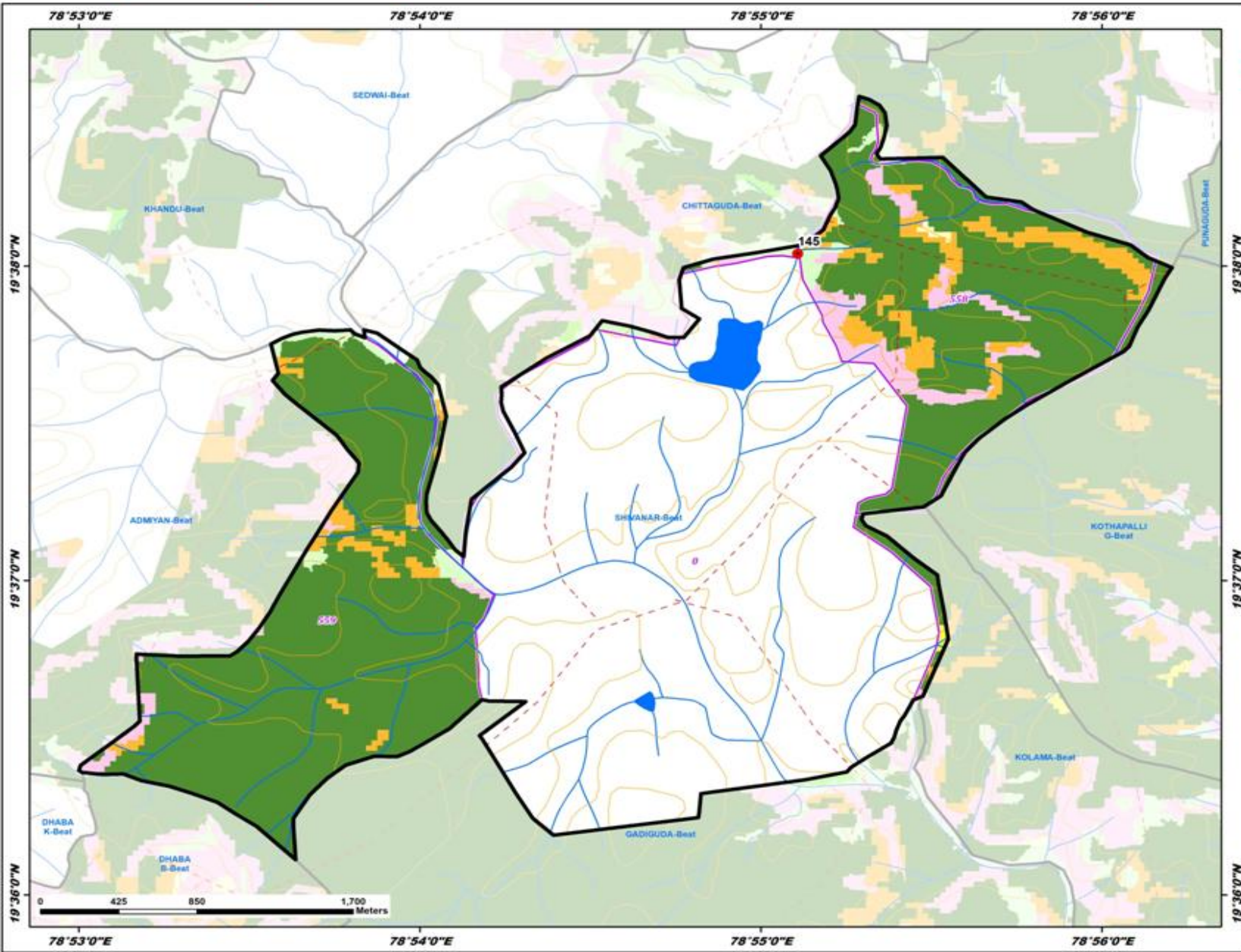
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
152	19.661517	78.917571	21.69	I
153	19.644272	78.890259	12.30	IV
154	19.650786	78.896913	12.03	IV
155	19.660956	78.913603	65.45	V
156	19.651166	78.894612	32.07	V

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



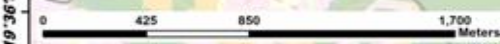
Map Showing Suitability Index for Construction of SMC Works of Shivanar Beat



Division : Adilabad
Range : Utnoor

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
145	19.633997	78.918470	37.70	V

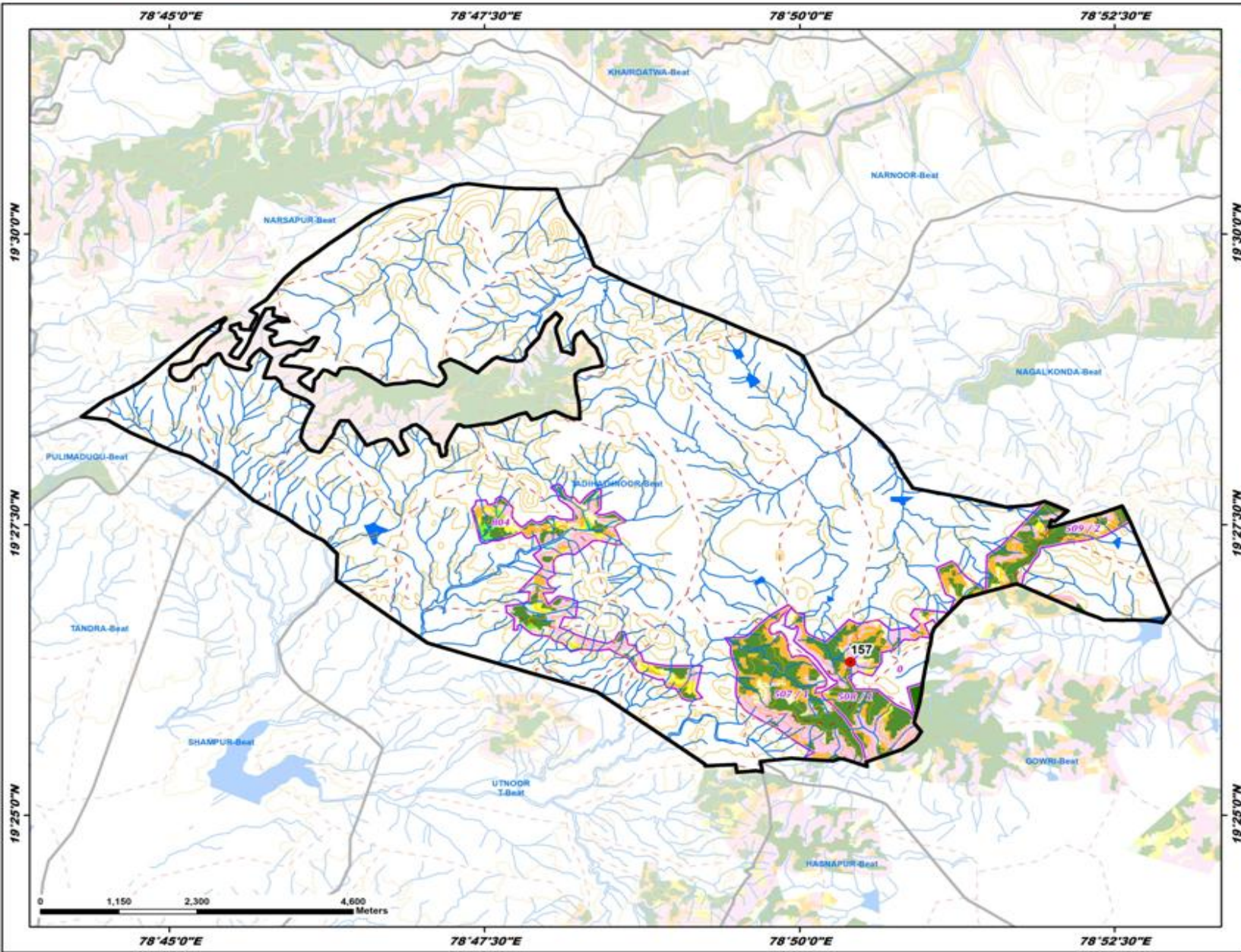
- LEGEND**
- Proposed PTs
 - Existing CD/PTs
 - Contours
 - Streams
 - - - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
 - Suitability Index**
 - CCTs/SCTs - Highly Suitable
 - CCTs/SCTs - Moderately Suitable
 - CCTs/SCTs - Least Suitable
 - PTs - Highly Suitable
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



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



Division : Adilabad
Range : Utnoor



ID	Latitude	Longitude	Catchment Area Ha.	PRIORITY
157	19.438618	78.840063	19.11	I

LEGEND

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

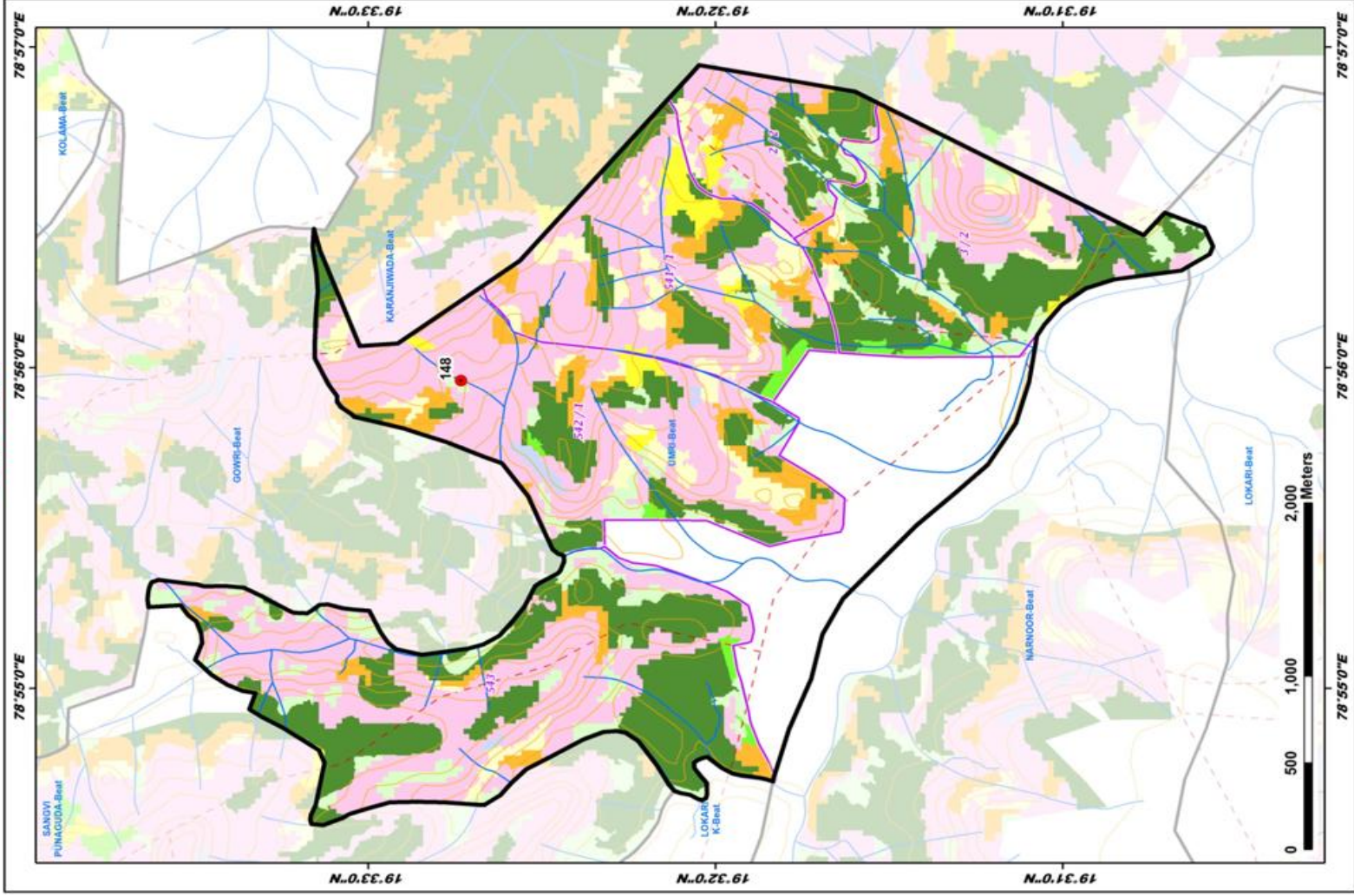
Suitability Index

- 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 Umri Beat



Division : Adilabad
Range : Utnoor



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
148	19.545548	78.932691	30.75	V

LEGEND

- Proposed PTs (Red dot)
 - Existing CD/PTs (Blue dot)
 - Contours (Dashed line)
 - Streams (Blue line)
 - Watershed Boundary (Thick black line)
 - Compartment Boundary (Dotted line)
 - Beat Boundary (Thin black line)
 - Division Boundary (Dashed black line)
- ### SUITABILITY INDEX
- CCTs/SCTs - Highly Suitable (Orange)
 - CCTs/SCTs - Moderately Suitable (Yellow)
 - CCTs/SCTs - Least Suitable (Light Green)
 - PTs - Highly Suitable (Dark Green)
 - PTs - Moderately Suitable (Medium Green)
 - PTs - Least Suitable (Light Pink)
 - MPTs and SGPs - Suitable (Light Blue)
 - Not Suitable (White)
 - Water Body (Dark Blue)