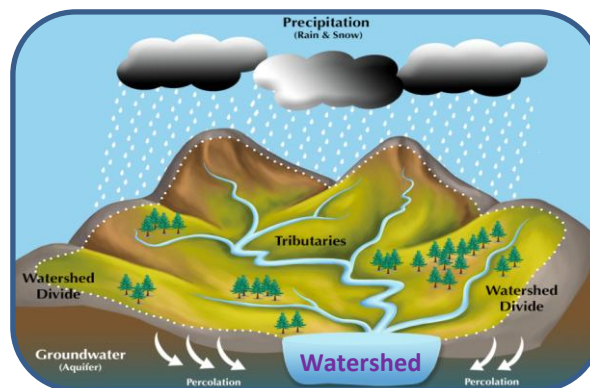


Government of Telangana – Forest Department



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



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

Circle: Charminar
District: Sangareddy
Division: Sangareddy

**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.



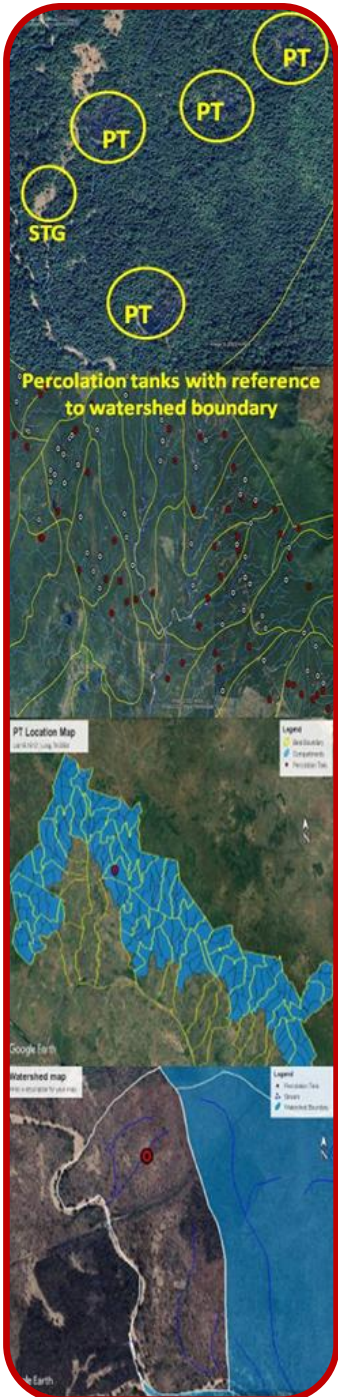
Suitability criteria for Check-Dams and Percolation Tanks (SITE SUITABILITY INDEX)

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





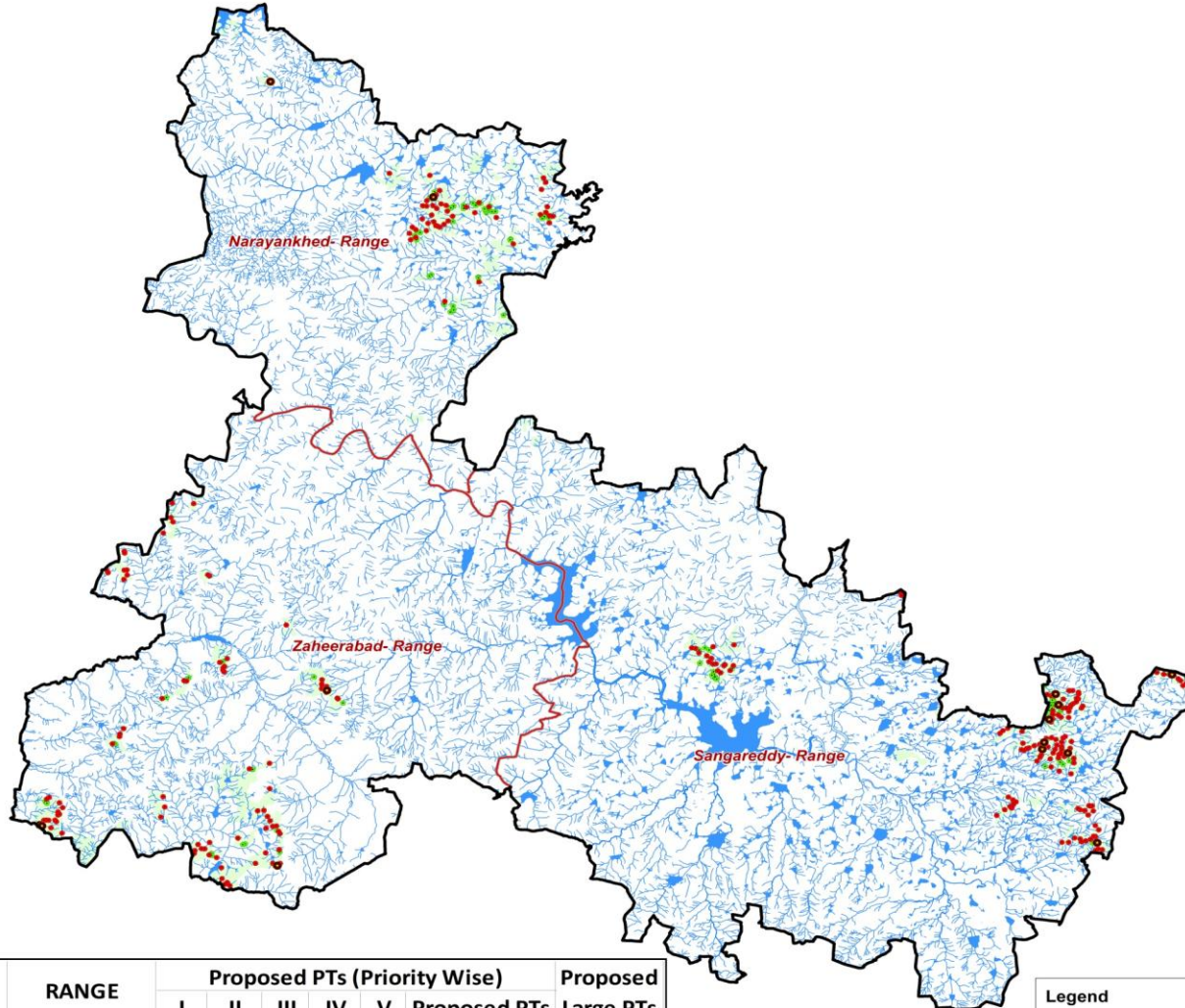
PRIORITY CLASSES FOR PERCOLATION TANK

Priority	Catchment Area(Ha)	Density Class
1	0-25 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



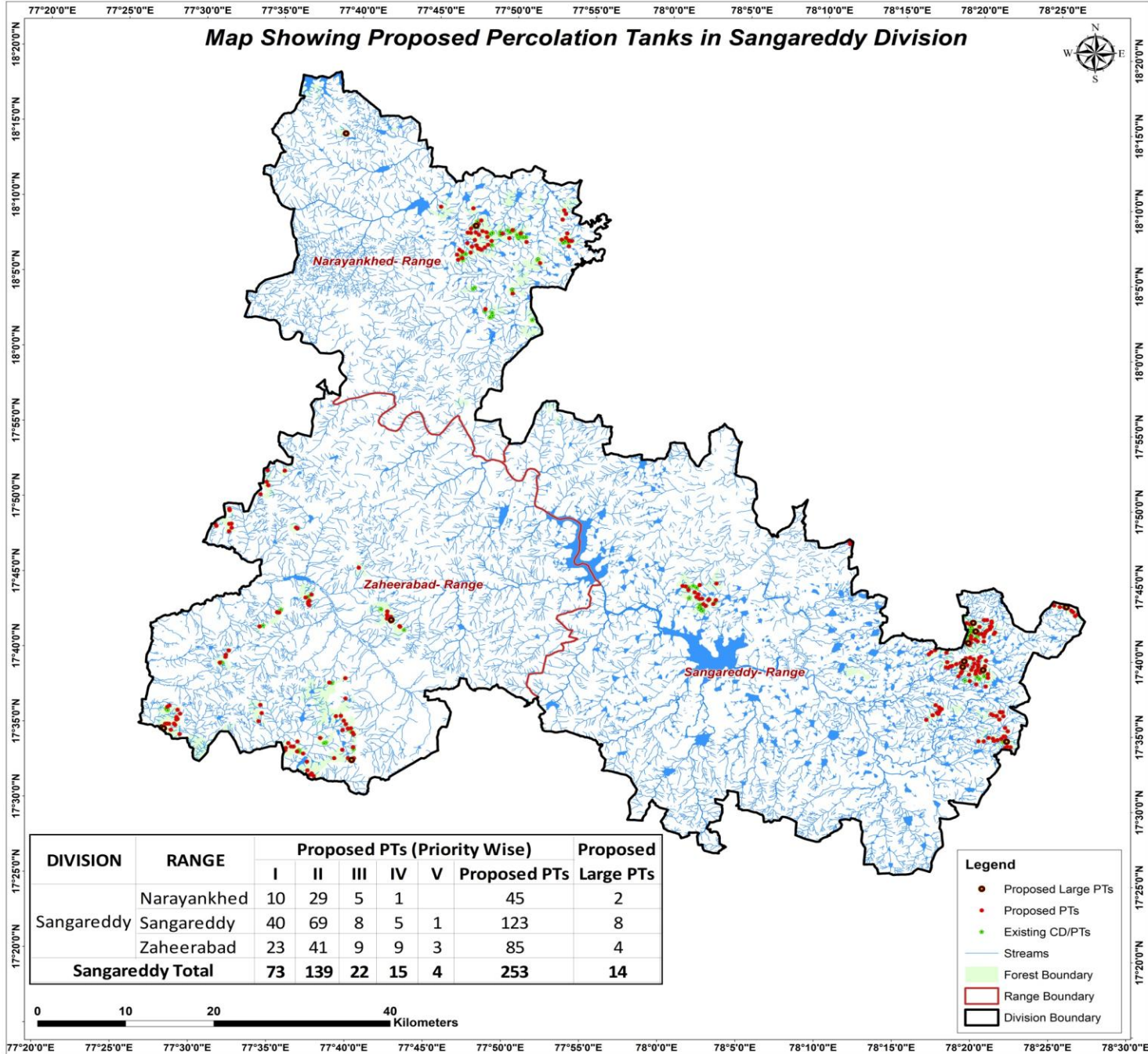


Map Showing Proposed Percolation Tanks in Sangareddy Division

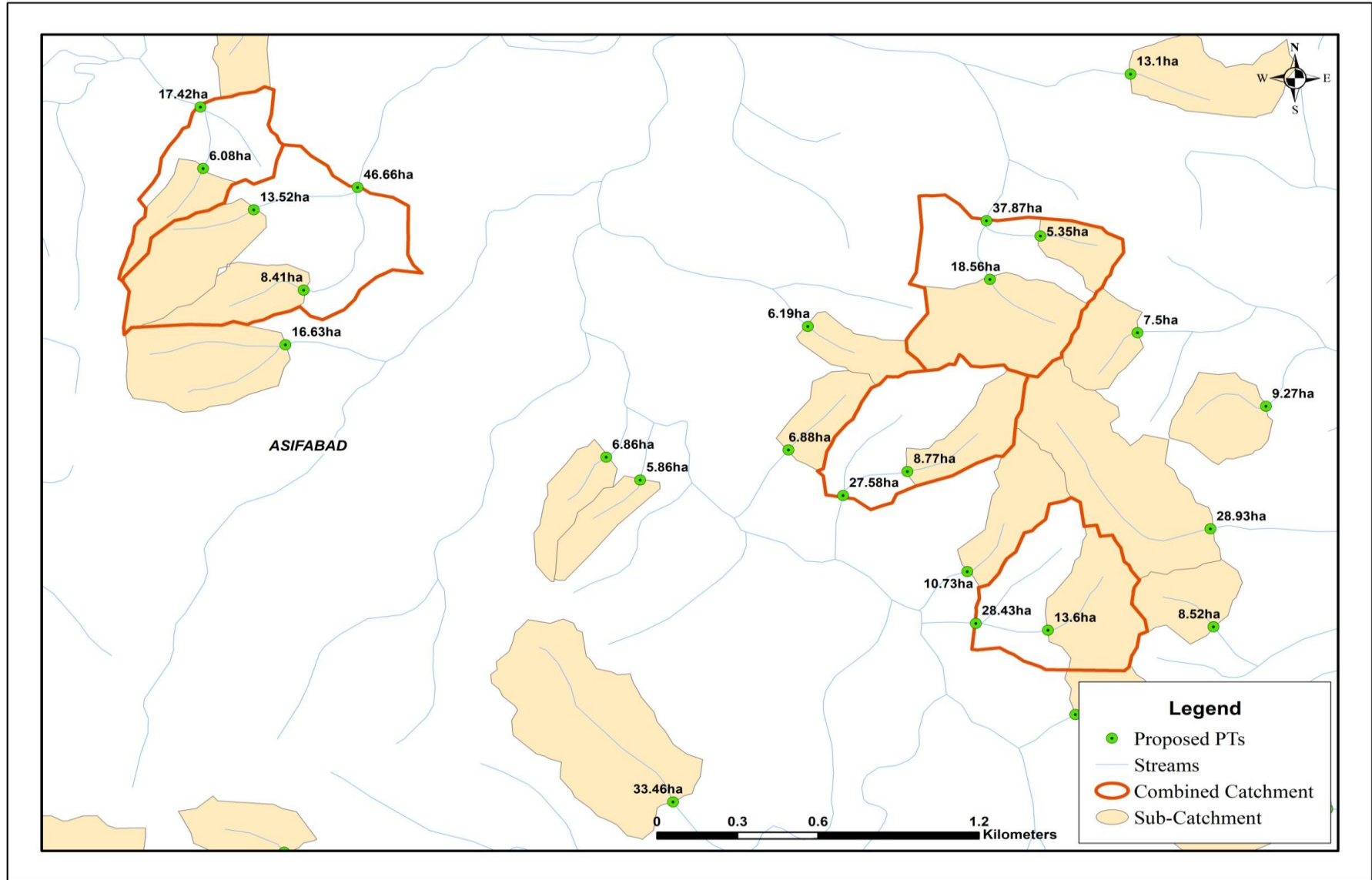


DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
		I	II	III	IV	V		
Sangareddy	Narayankhed	10	29	5	1		45	2
	Sangareddy	40	69	8	5	1	123	8
	Zaheerabad	23	41	9	9	3	85	4
Sangareddy Total		73	139	22	15	4	253	14

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



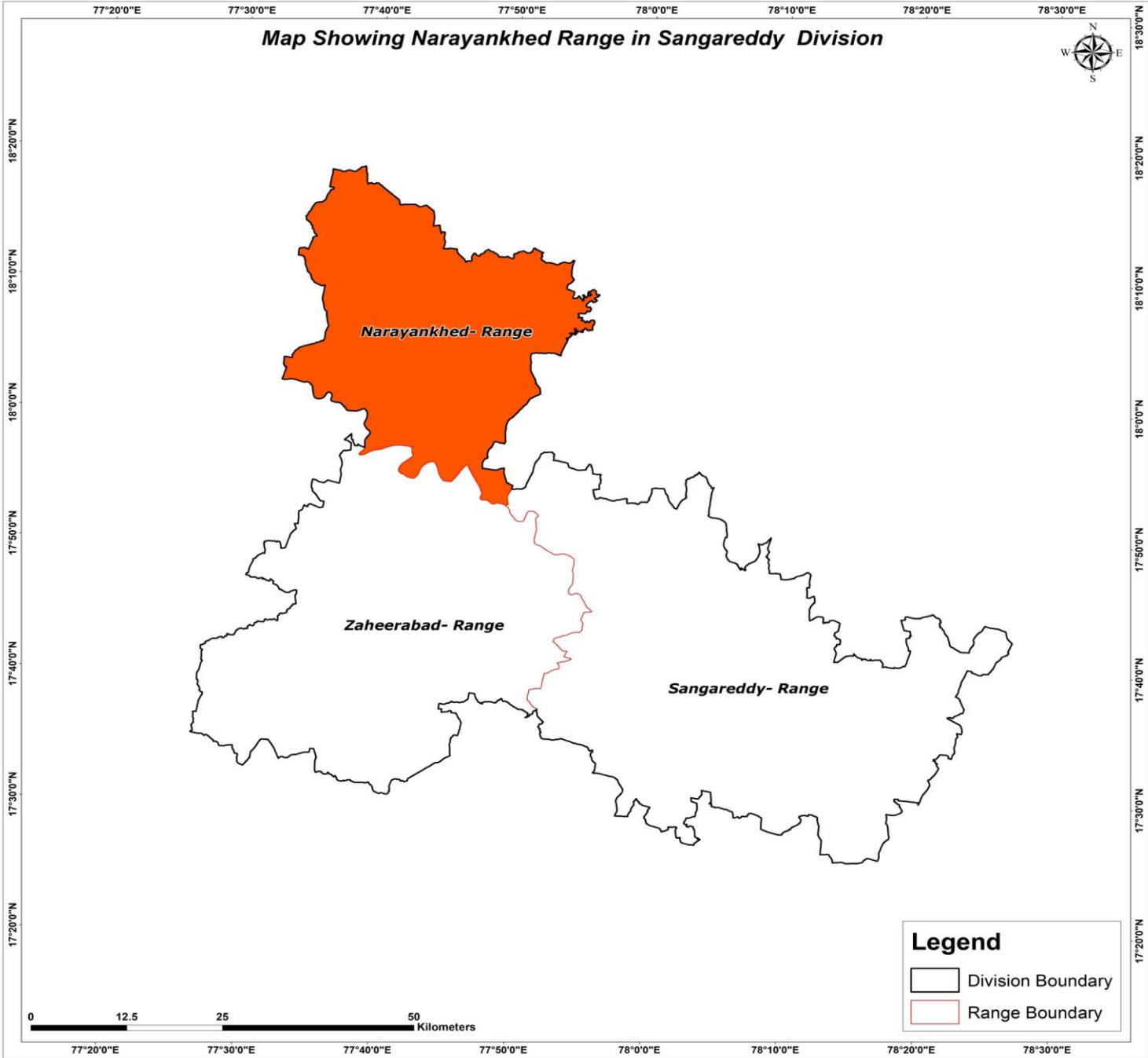
CATCHMENT AREA



Sample Catchment Map



Map Showing Narayankhed Range in Sangareddy Division



18°20'0"N
18°10'0"N
18°0'0"N
17°50'0"N
17°40'0"N
17°30'0"N
17°20'0"N

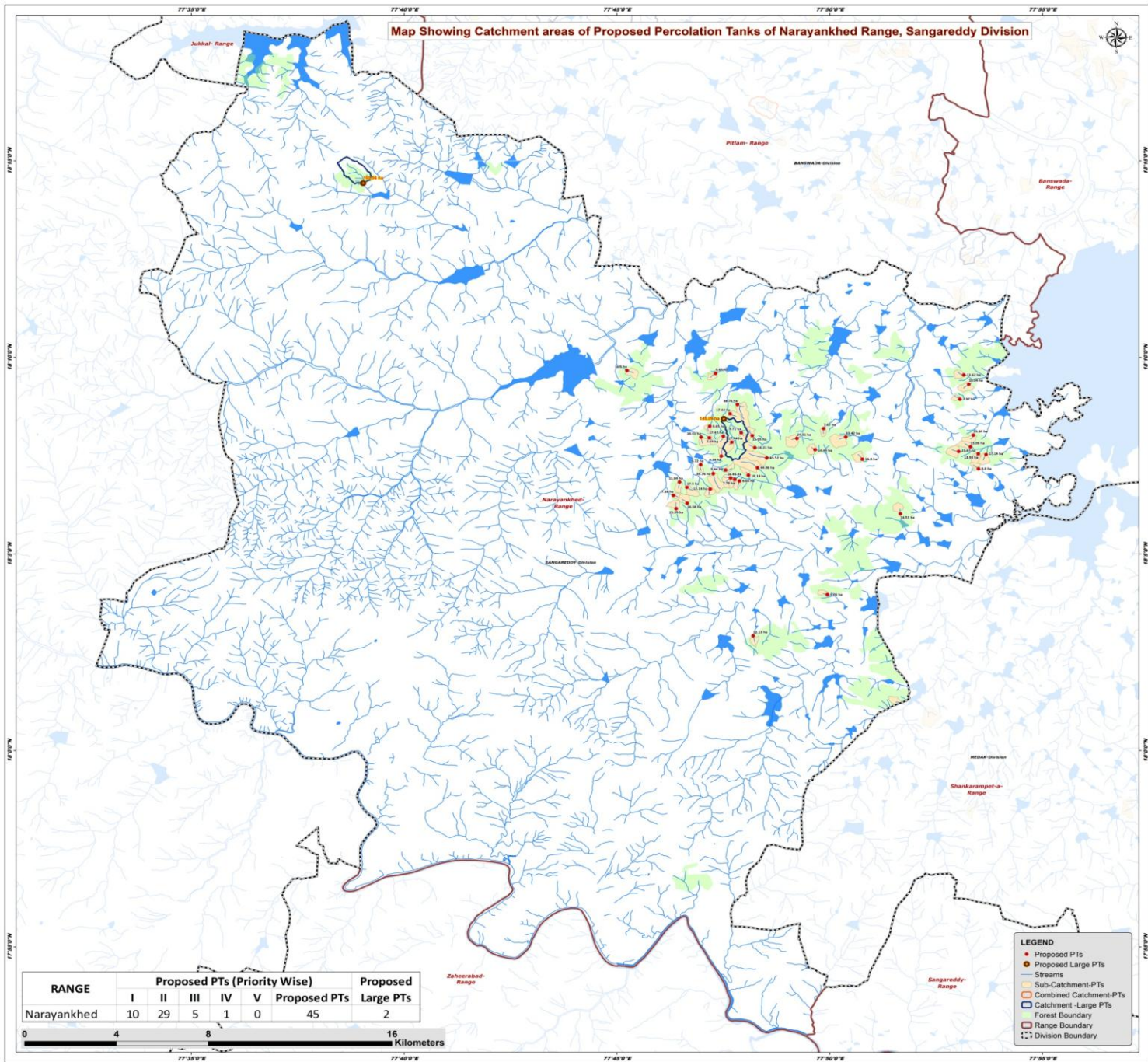
18°30'0"E
18°20'0"E
18°10'0"E
18°0'0"E
17°50'0"E
17°40'0"E
17°30'0"E
17°20'0"E

0 12.5 25 50 Kilometers

Legend
□ Division Boundary
□ Range Boundary

77°20'0"E 77°30'0"E 77°40'0"E 77°50'0"E 78°0'0"E 78°10'0"E 78°20'0"E 78°30'0"E

Map Showing Catchment areas of Proposed Percolation Tanks of Narayankhed Range, Sangareddy Division



RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
	I	II	III	IV	V		
Narayankhed	10	29	5	1	0	45	2



- 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 – Narayankhed Range

S. No.	Beat	Proposed PT's
1	BACHAPALLY	9
2	BIBIPET	2
3	KADPAL	8
4	MADWAR	1
5	MARDI	5
6	MUNIGEPALLY	1
7	NAGDHAR	5
8	NARAYANAKHED	1
9	RAPARTHY	2
10	SANJEEVANRAOPET	11
	Total	45

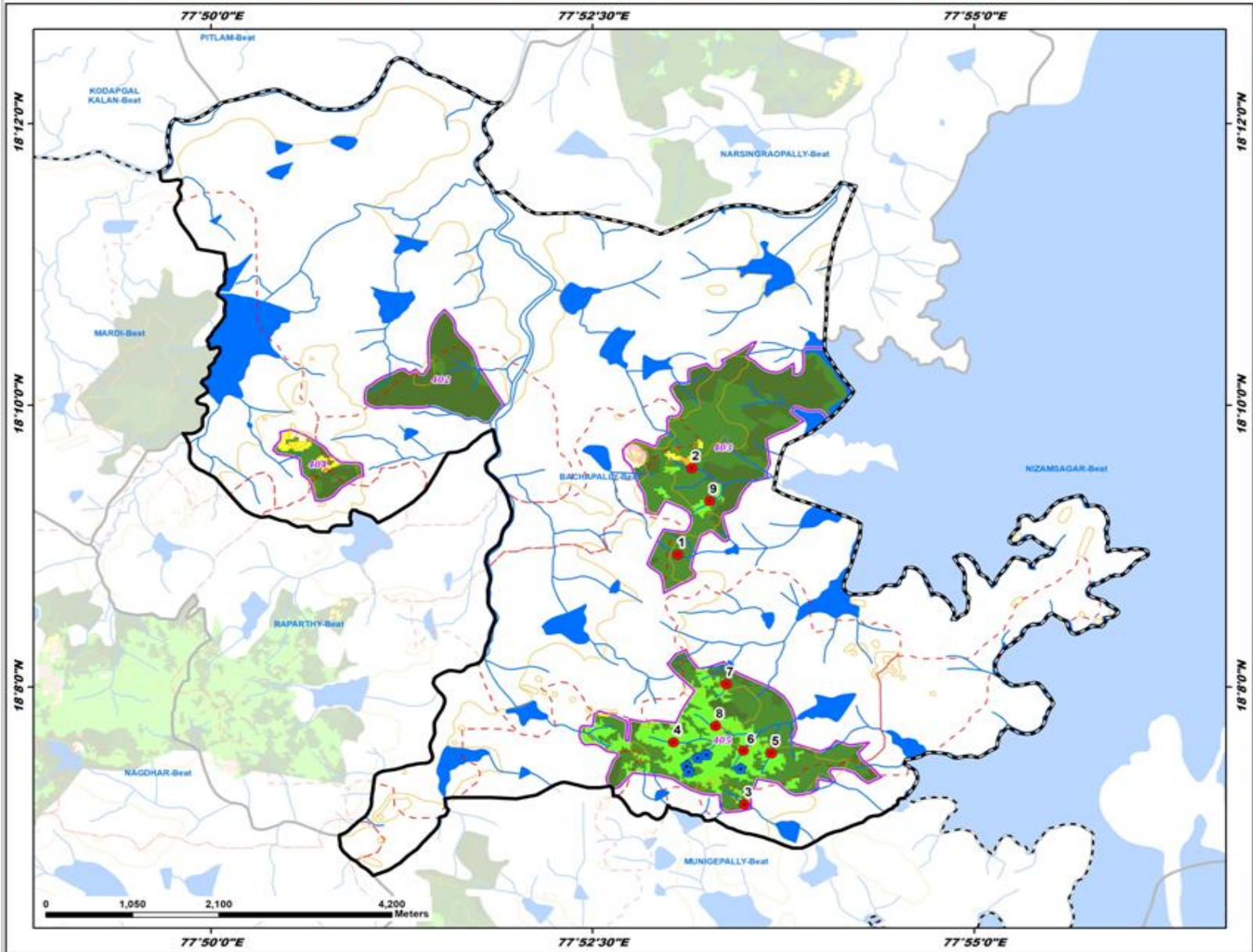
List of Proposed PTs – Narayankhed Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
1	18.148986	77.884328	7.37	I	BACHAPALLY
2	18.159246	77.885858	13.62	I	BACHAPALLY
3	18.119448	77.891621	9.90	I	BACHAPALLY
4	18.126787	77.883845	21.87	II	BACHAPALLY
5	18.125488	77.894576	17.14	II	BACHAPALLY
6	18.125802	77.891502	13.93	II	BACHAPALLY
7	18.133686	77.889602	15.34	II	BACHAPALLY
8	18.128732	77.888454	15.06	II	BACHAPALLY
9	18.155322	77.887803	18.04	II	BACHAPALLY
10	18.142792	77.794331	17.44	I	MARDI
11	18.133476	77.803040	15.05	II	MARDI
12	18.134734	77.798691	9.71	II	MARDI
13	18.146647	77.797214	38.76	III	MARDI
14	18.128416	77.804037	16.21	IV	MARDI
15	18.127547	77.827624	14.49	II	NAGDHAR
16	18.132311	77.820478	24.01	II	NAGDHAR
17	18.136504	77.830962	7.67	II	NAGDHAR
18	18.124018	77.808718	43.52	III	NAGDHAR
19	18.119882	77.805096	44.96	III	NAGDHAR
20	18.123513	77.846086	16.80	II	RAPARTHY
21	18.132886	77.839654	33.42	III	RAPARTHY
22	18.132832	77.782946	14.41	I	SANJEEVANRAOPET
23	18.137437	77.786363	8.65	I	SANJEEVANRAOPET
24	18.130703	77.794999	17.44	II	SANJEEVANRAOPET
25	18.124813	77.790847	9.39	II	SANJEEVANRAOPET
26	18.133231	77.791679	17.47	II	SANJEEVANRAOPET
27	18.115567	77.794587	16.45	II	SANJEEVANRAOPET
28	18.114906	77.796152	7.79	II	SANJEEVANRAOPET
29	18.114263	77.797954	8.64	II	SANJEEVANRAOPET
30	18.116719	77.801527	10.14	II	SANJEEVANRAOPET
31	18.118904	77.792572	9.44	II	SANJEEVANRAOPET
32	18.132568	77.786200	7.44	II	SANJEEVANRAOPET
33	18.066124	77.832431	9.05	II	MADWAR
34	18.100341	77.861007	14.53	I	MUNIGEPALLY
35	18.048628	77.803369	12.13	I	NARAYANKHED
36	18.161161	77.753967	16.60	I	BIBIPET
37	18.159897	77.788615	9.65	I	BIBIPET
38	18.102529	77.773216	15.39	II	KADPAL
39	18.113844	77.774512	11.84	II	KADPAL
40	18.104809	77.777530	16.58	II	KADPAL
41	18.108188	77.772138	7.16	II	KADPAL
42	18.111554	77.777400	17.50	II	KADPAL
43	18.121217	77.782800	6.72	II	KADPAL
44	18.110851	77.786543	12.14	II	KADPAL
45	18.117401	77.787760	35.76	III	KADPAL

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



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
1	18.148986	77.884328	7.37	I
2	18.159246	77.885858	13.62	I
3	18.119448	77.891621	9.90	I
4	18.126787	77.883645	21.87	II
5	18.125468	77.894576	17.14	II
6	18.125802	77.891502	13.93	II
7	18.133686	77.889602	15.34	II
8	18.128732	77.888454	15.06	II
9	18.155322	77.887803	18.04	II

LEGEND

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

Suitability Index

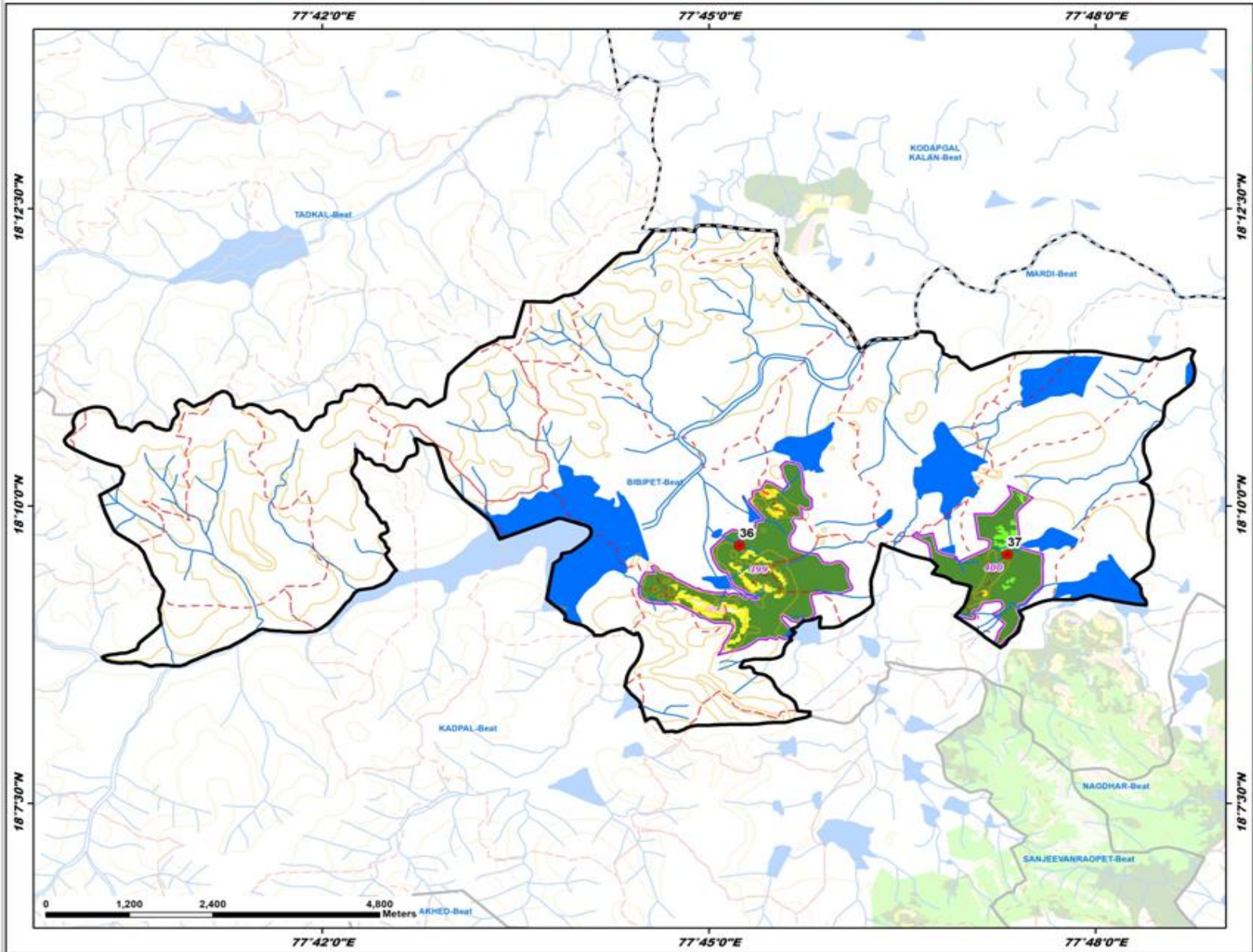
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
36	18.161161	77.753967	16.60	I
37	18.159897	77.788615	9.65	I

LEGEND

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

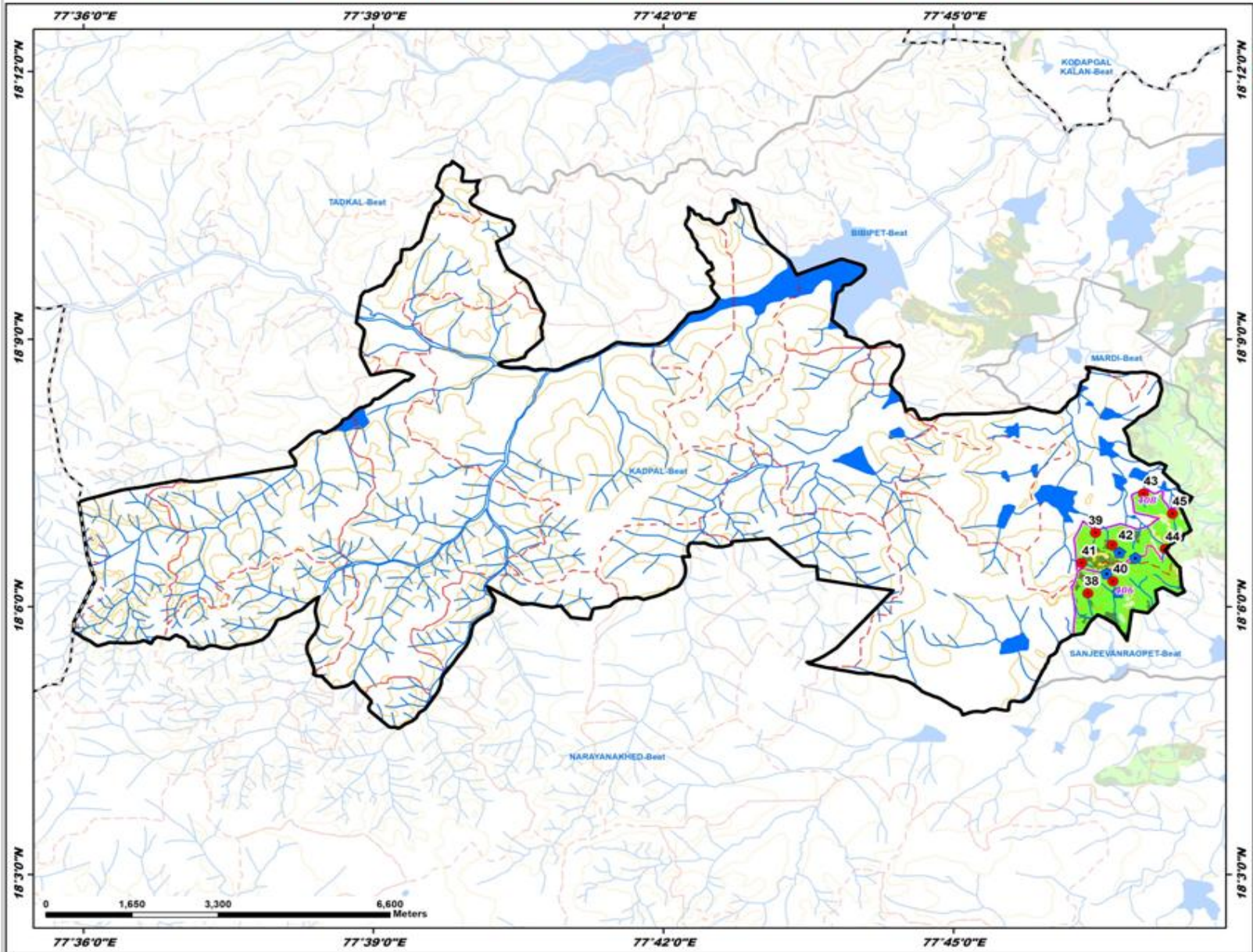
Suitability Index

- 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 Kadpal Beat



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
38	18.102529	77.779216	15.39	II
39	18.113844	77.774512	11.84	II
40	18.104809	77.777530	16.58	II
41	18.108188	77.772138	7.16	II
42	18.111554	77.777400	17.50	II
43	18.121217	77.782800	6.72	II
44	18.110851	77.786543	12.14	II
45	18.117401	77.787760	35.76	III

LEGEND

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

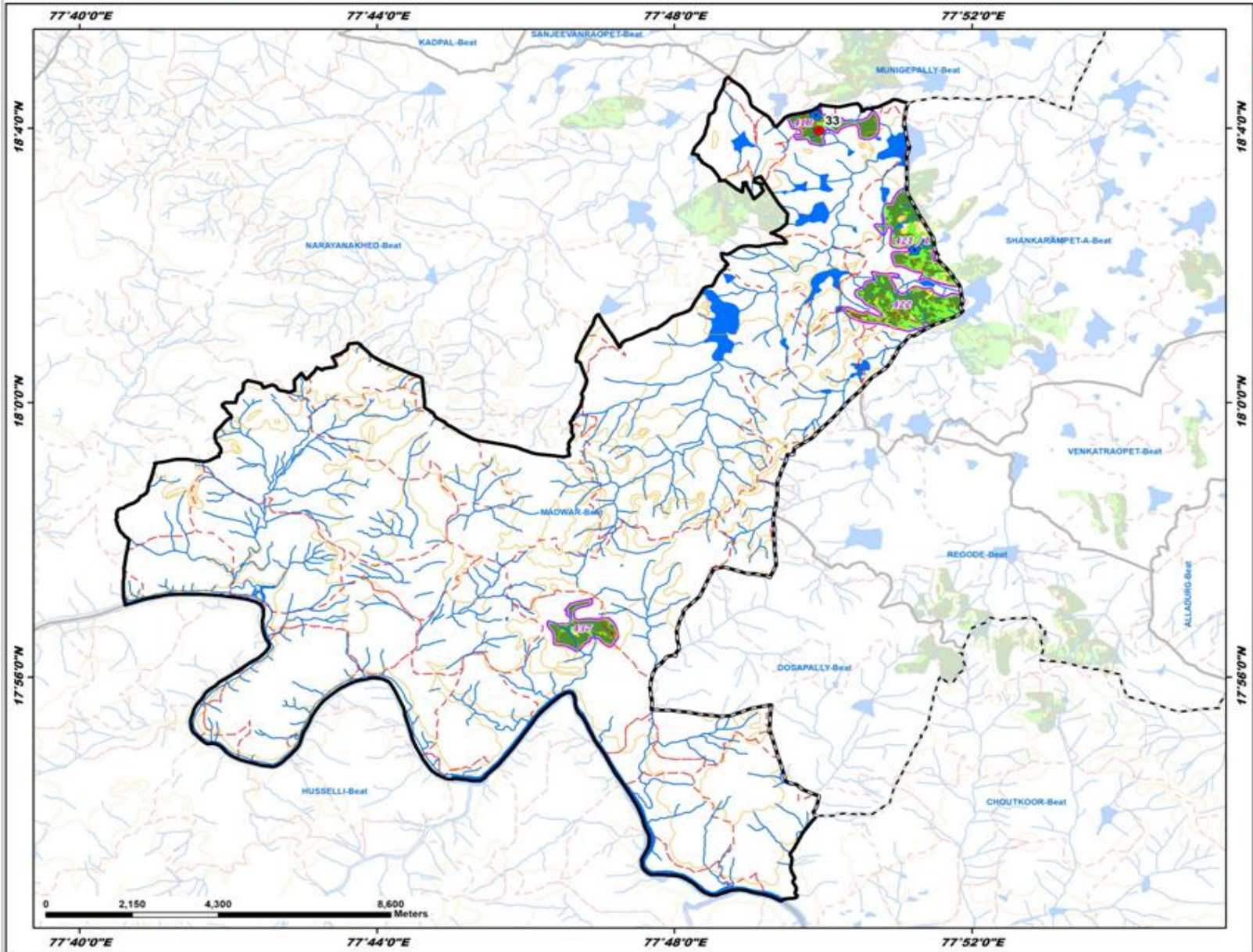
Suitability Index

- 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 Madwar Beat



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
33	18.066124	77.832431	9.05	II

LEGEND

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

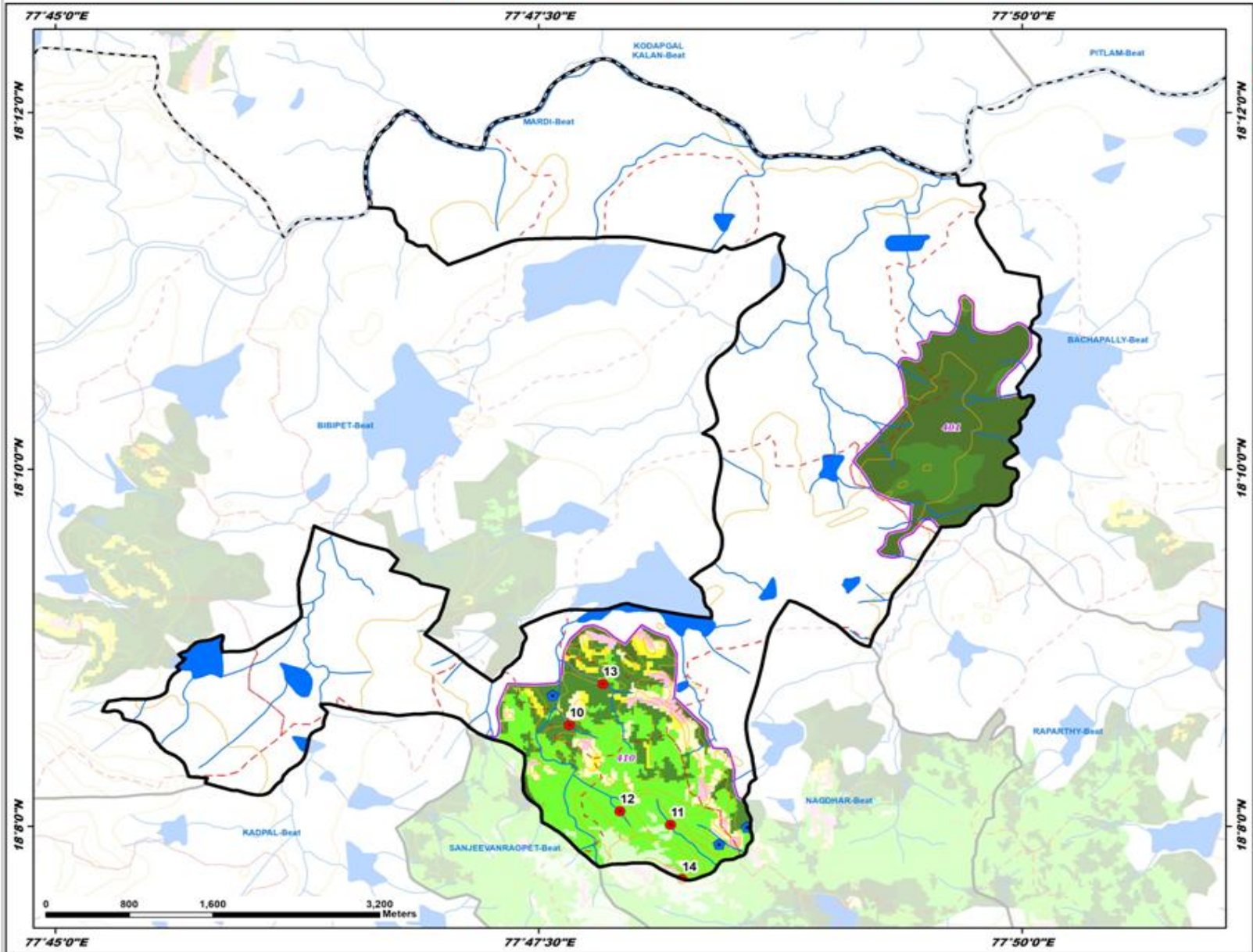
Suitability Index

- 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 Mardi Beat



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
10	18.142792	77.794331	17.44	I
11	18.133476	77.803040	15.05	II
12	18.134734	77.798691	9.71	II
13	18.146647	77.797214	38.76	III
14	18.128416	77.804017	16.21	IV

LEGEND

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

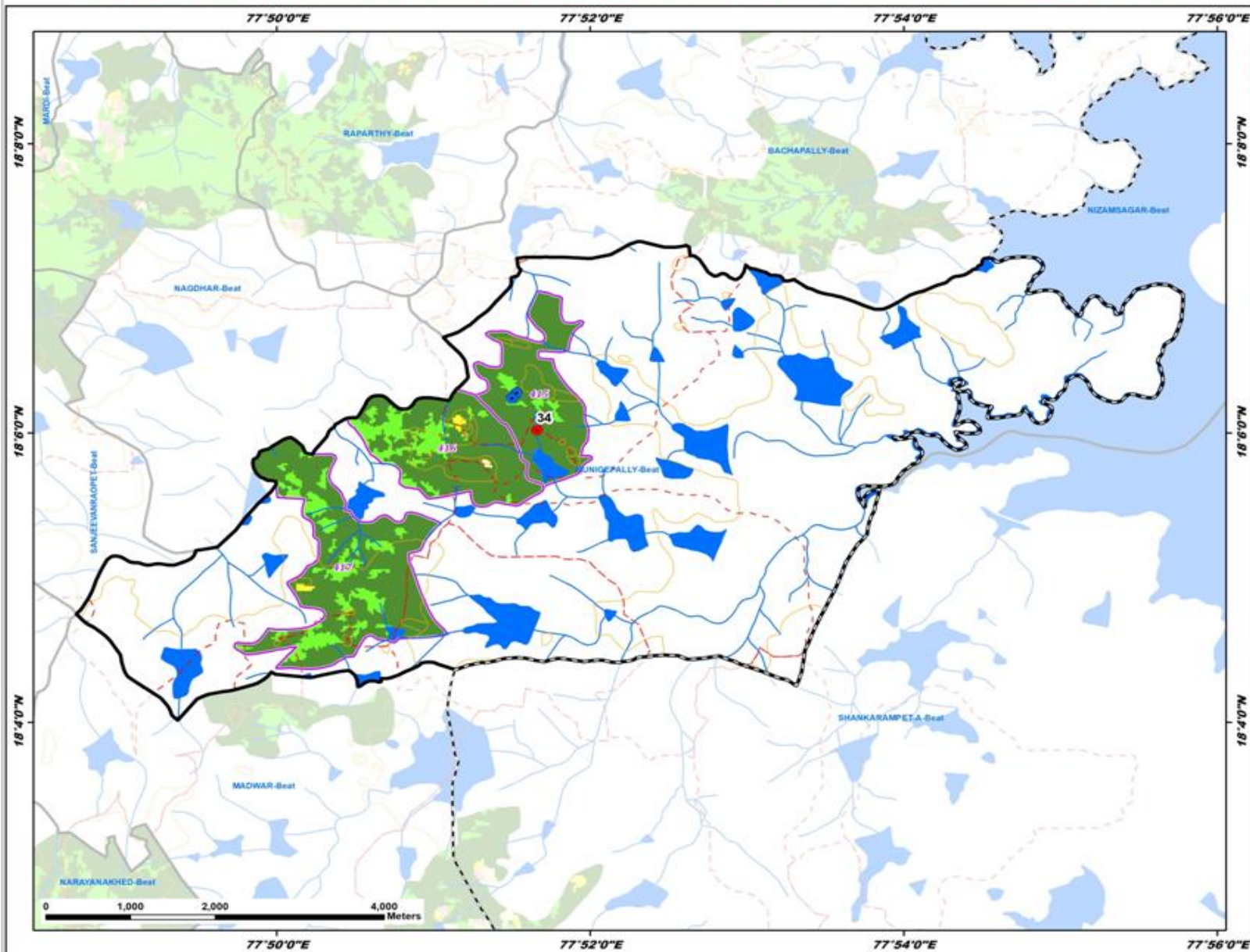
Suitability Index

- 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 Munigepally Beat



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
34	18.100341	77.861007	14.53	I

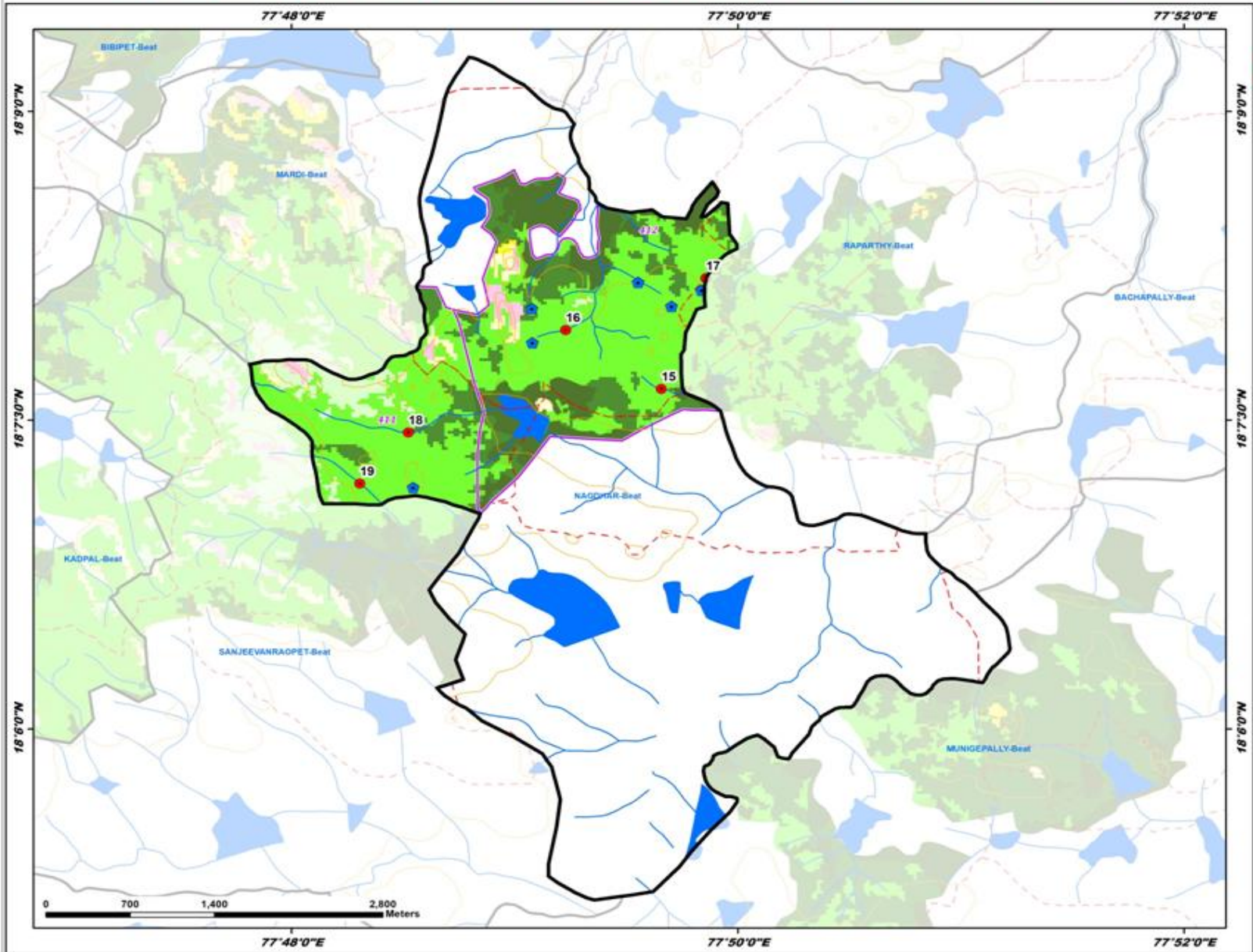
LEGEND

- 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 Nagdhar Beat



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
15	18.127547	77.827624	14.49	II
16	18.132311	77.820478	24.01	II
17	18.136504	77.830962	7.67	II
18	18.124018	77.808718	43.52	III
19	18.119882	77.805096	44.96	III

LEGEND

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

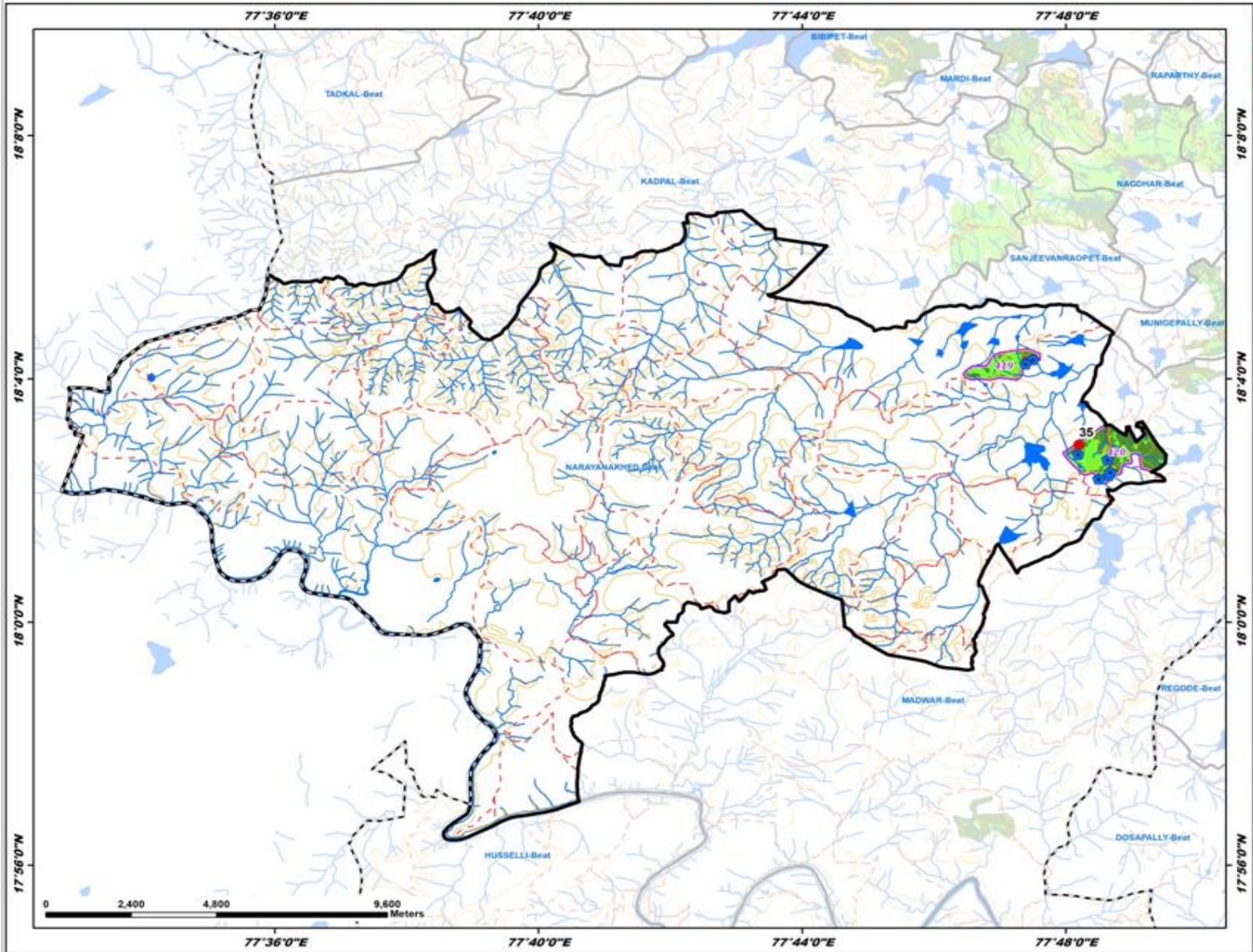
Suitability Index

- 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 Narayankhed Beat



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
35	18.048528	77.803369	12.13	I

LEGEND

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

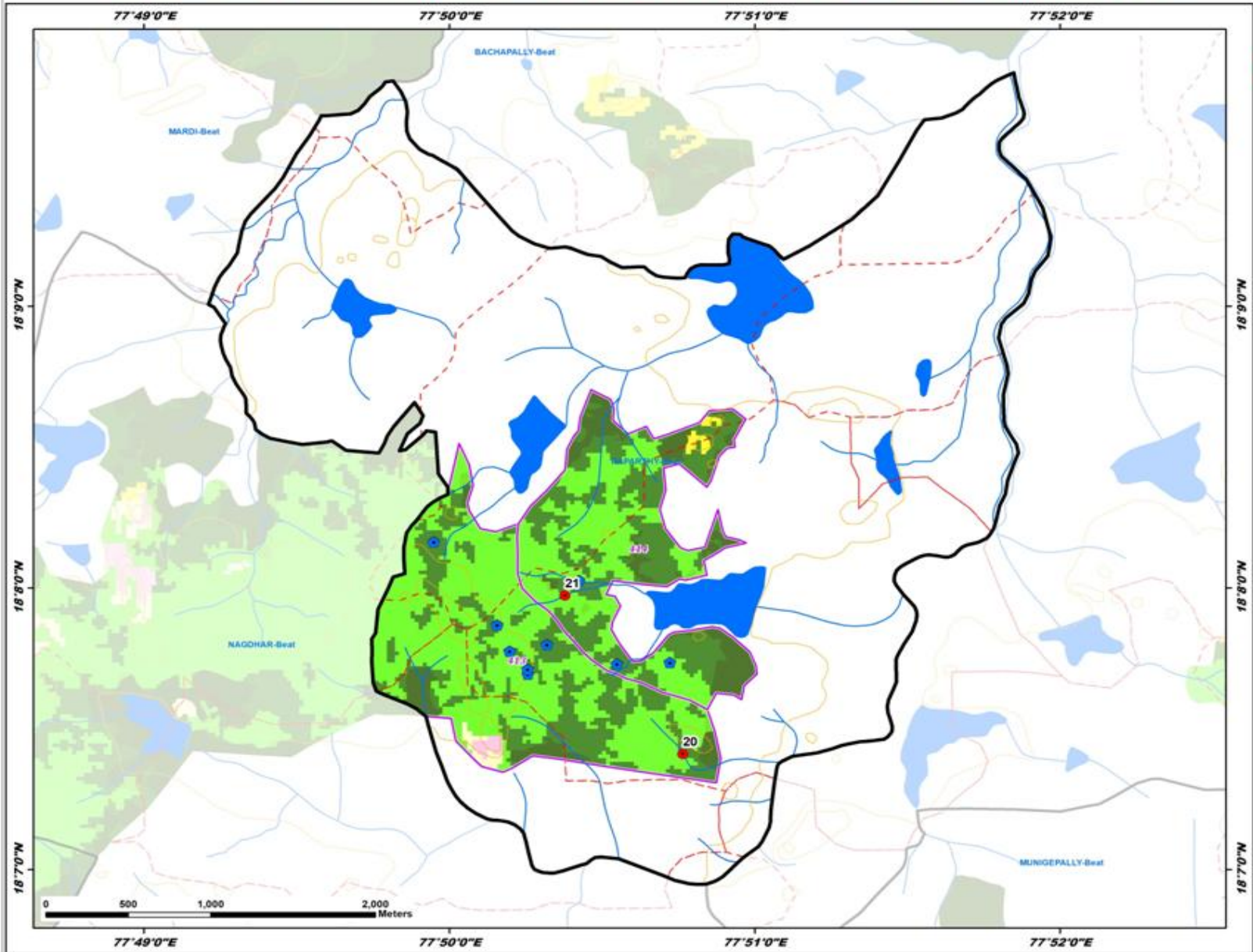
Suitability Index

- 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 Raparthy Beat



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
20	18.123513	77.846086	16.80	II
21	18.132886	77.839654	33.42	III

LEGEND

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

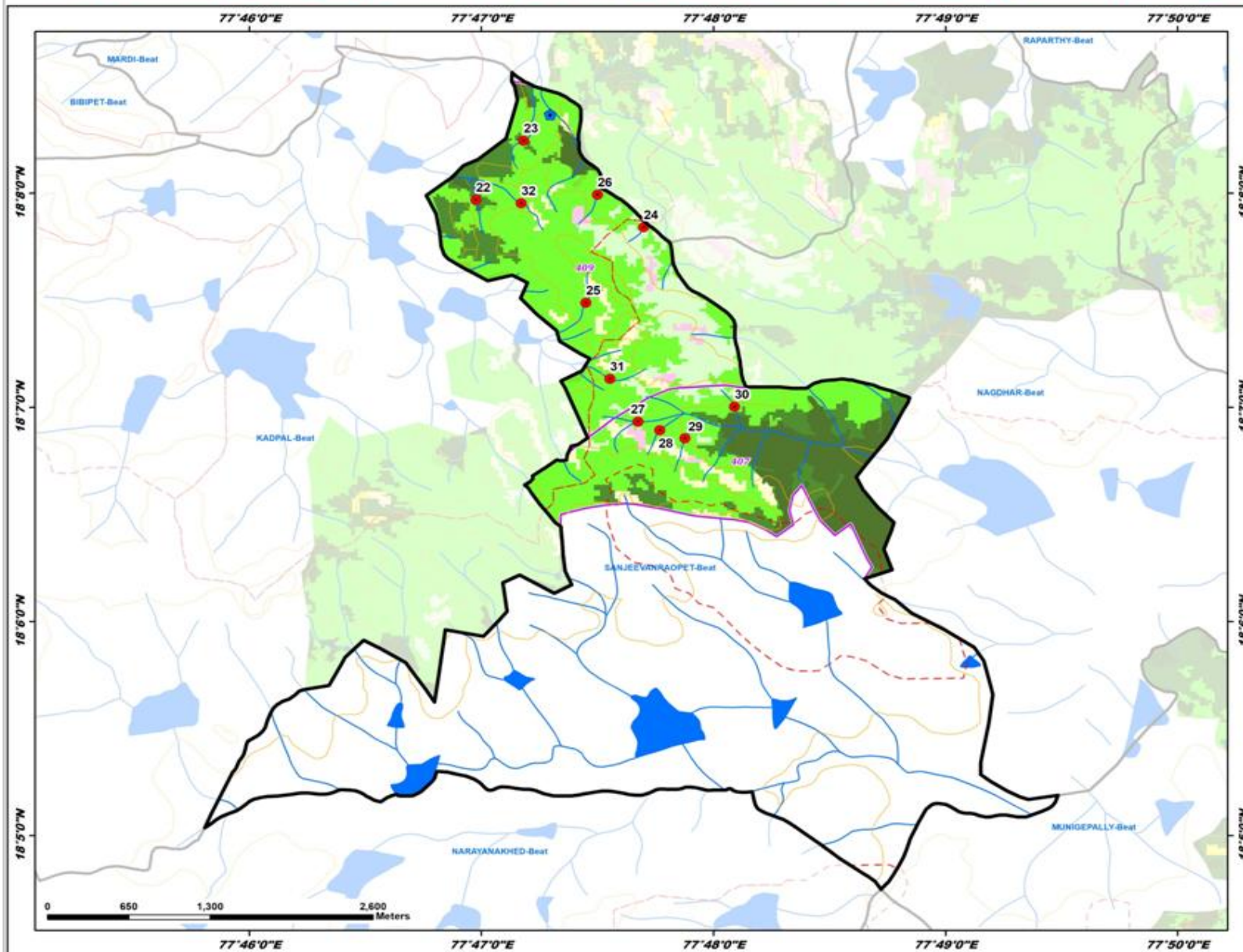
Suitability Index

- 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 Sanjeevanraopet Beat



Division : Sangareddy
Range : Narayankhed



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
22	18.132832	77.782996	14.41	I
23	18.137437	77.786363	8.65	I
24	18.130703	77.794999	17.44	II
25	18.124813	77.790847	9.39	II
26	18.133231	77.791679	17.47	II
27	18.115567	77.794587	16.45	II
28	18.114906	77.796152	7.79	II
29	18.114263	77.797954	8.64	II
30	18.116719	77.801527	10.14	II
31	18.118904	77.792572	9.44	II
32	18.132568	77.786200	7.44	II

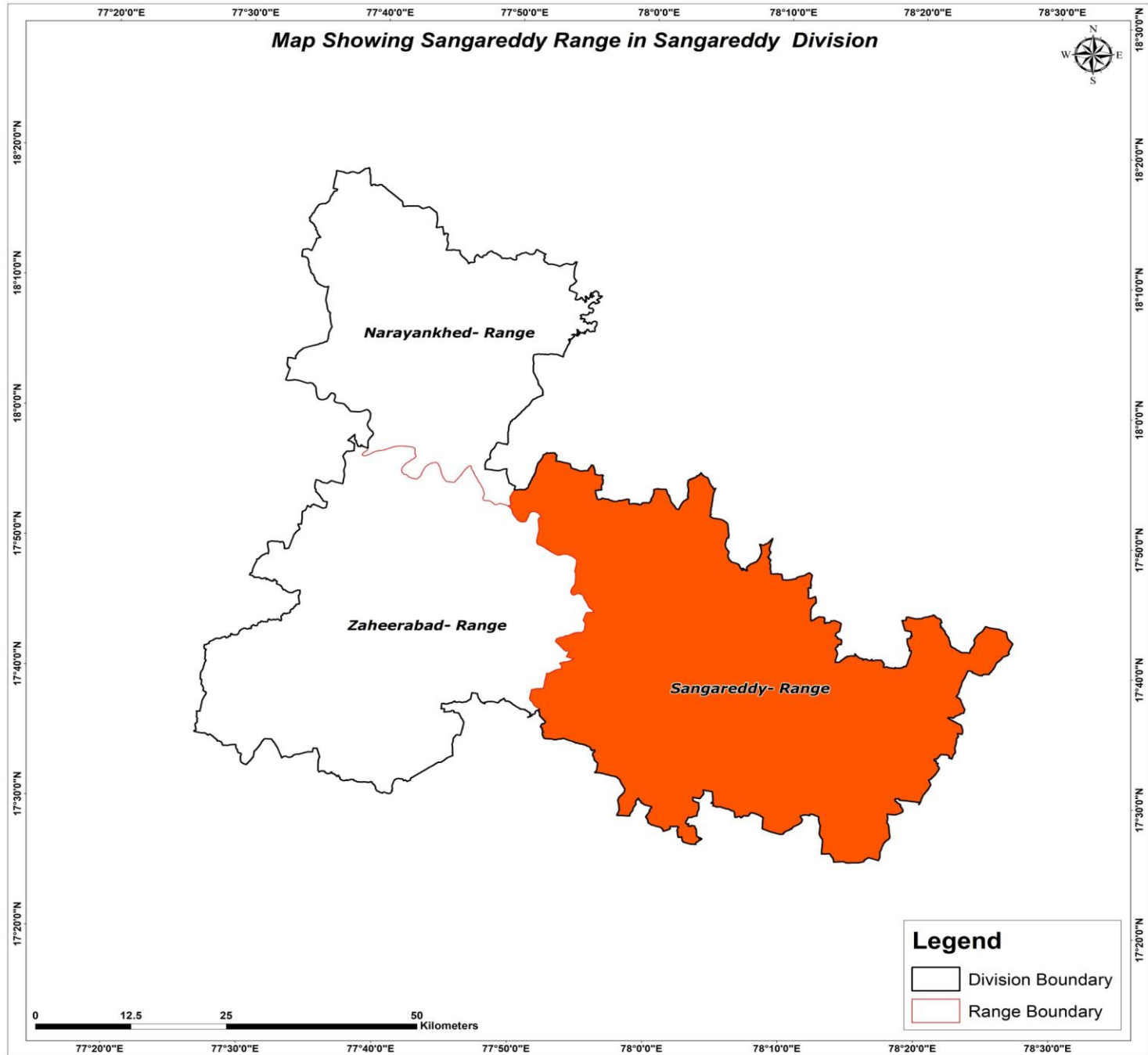
LEGEND

- 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 Sangareddy Range in Sangareddy Division



18°20'0"N
18°10'0"N
18°0'0"N
17°50'0"N
17°40'0"N
17°30'0"N
17°20'0"N

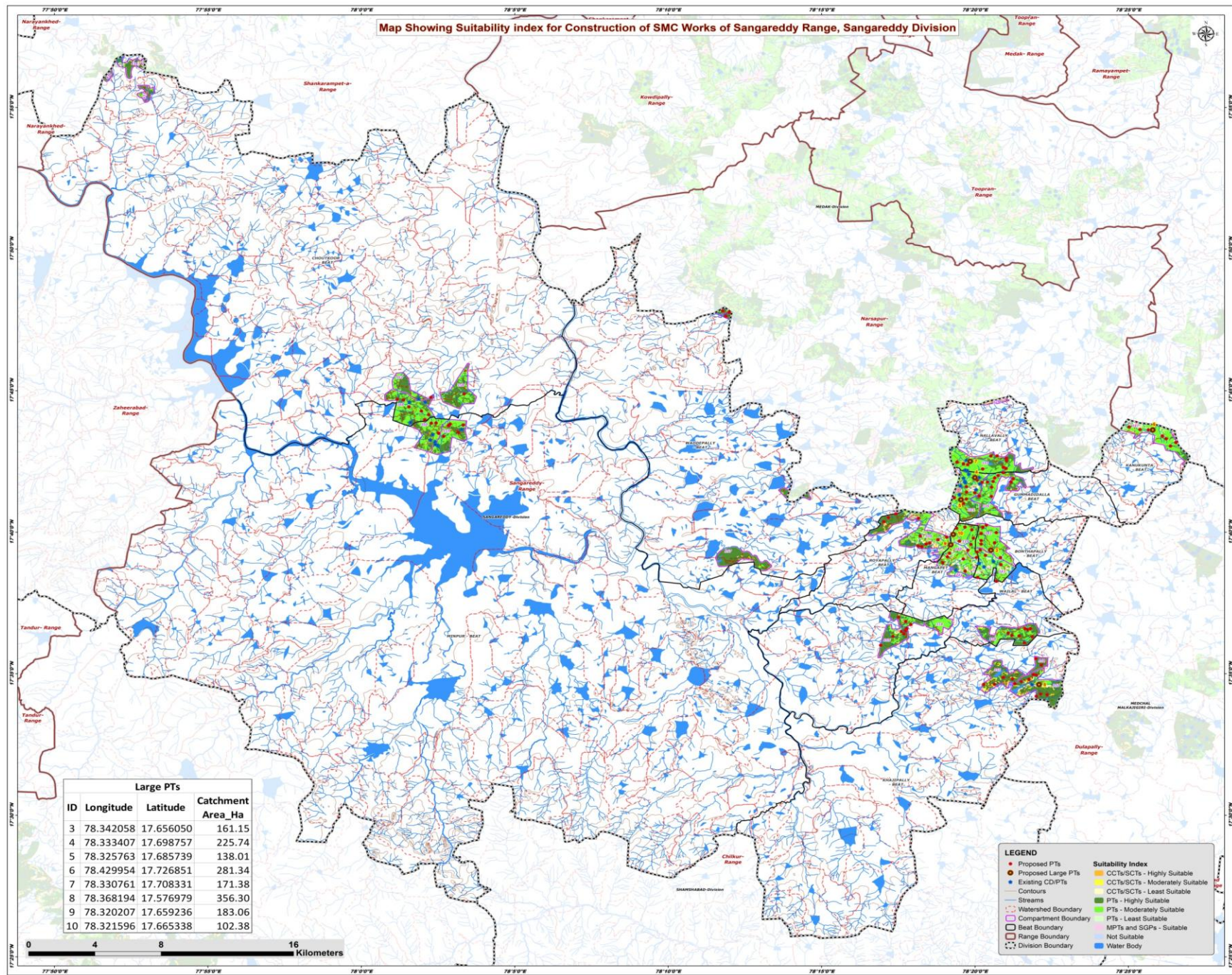
18°30'0"E
18°20'0"E
18°10'0"E
18°0'0"E
17°50'0"E
17°40'0"E
17°30'0"E
17°20'0"E

0 12.5 25 50 Kilometers

Legend
□ Division Boundary
□ Range Boundary

77°20'0"E 77°30'0"E 77°40'0"E 77°50'0"E 78°0'0"E 78°10'0"E 78°20'0"E 78°30'0"E

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



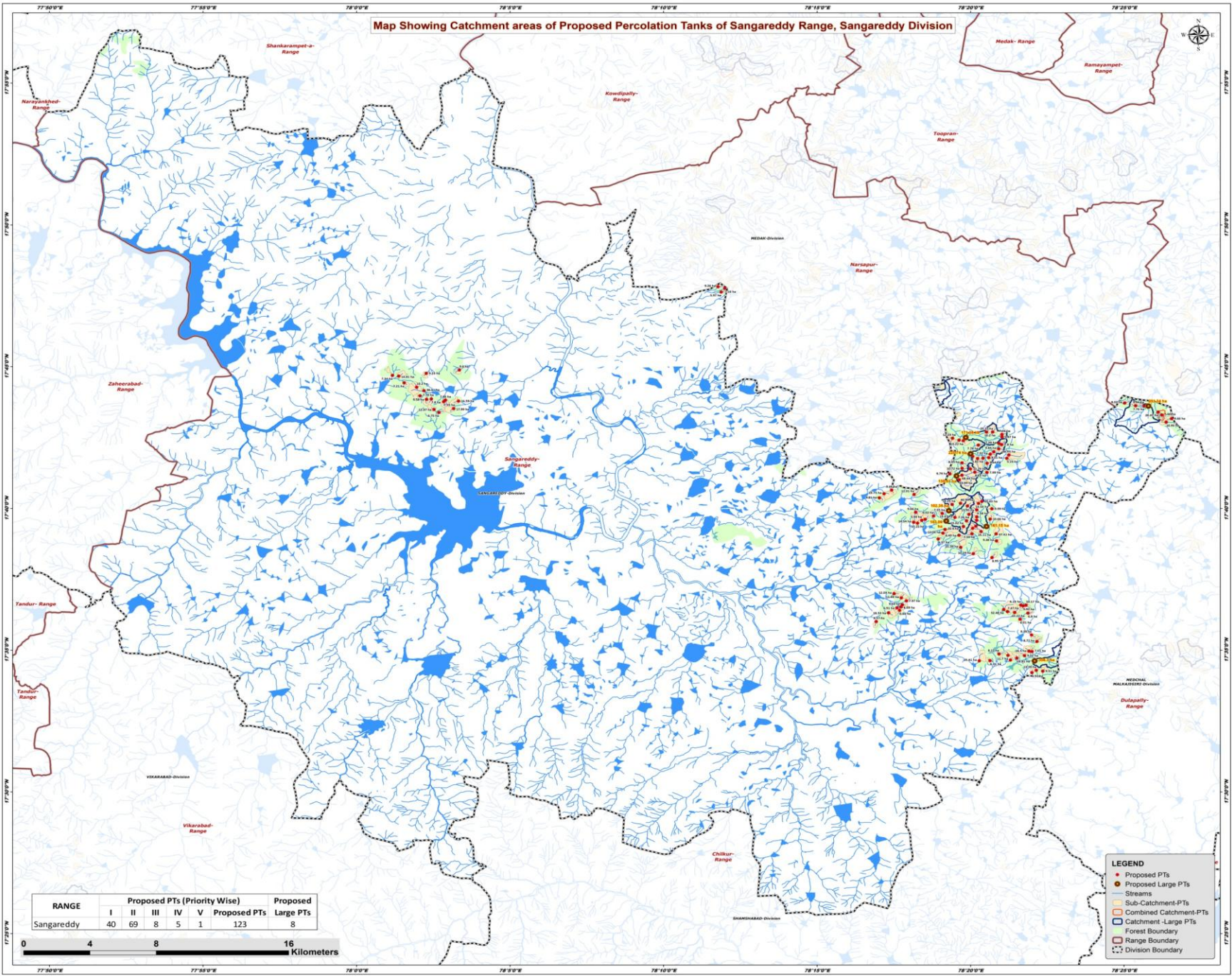
Large PTs			
ID	Longitude	Latitude	Catchment Area_Ha
3	78.342058	17.656050	161.15
4	78.333407	17.698757	225.74
5	78.325763	17.685739	138.01
6	78.429954	17.726851	281.34
7	78.330761	17.708331	171.38
8	78.368194	17.576979	356.30
9	78.320207	17.659236	183.06
10	78.321596	17.665338	102.38

LEGEND

- Proposed PTs
- Proposed Large PTs
- Existing CDPTs
- 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
- MP/TPs and SGP/SGPs - Suitable
- Not Suitable
- Water Body

0 4 8 16 Kilometers

Map Showing Catchment areas of Proposed Percolation Tanks of Sangareddy Range, Sangareddy Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Sangareddy	40	69	8	5	1	123

- 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 – Sangareddy Range

S. No.	Beat	Proposed PT's
1	BONTHAPALLY	14
2	CHOUTKOOR	8
3	GUMMADIDALLA	18
4	KANUKUNTA	7
5	KHAJIPALLY	14
6	MANGAPET	13
7	MINPUR	8
8	NALLAVALLY	10
9	ROYAPALLY	11
10	WADDEPALLY	3
11	WAILAL	17
	Total	123

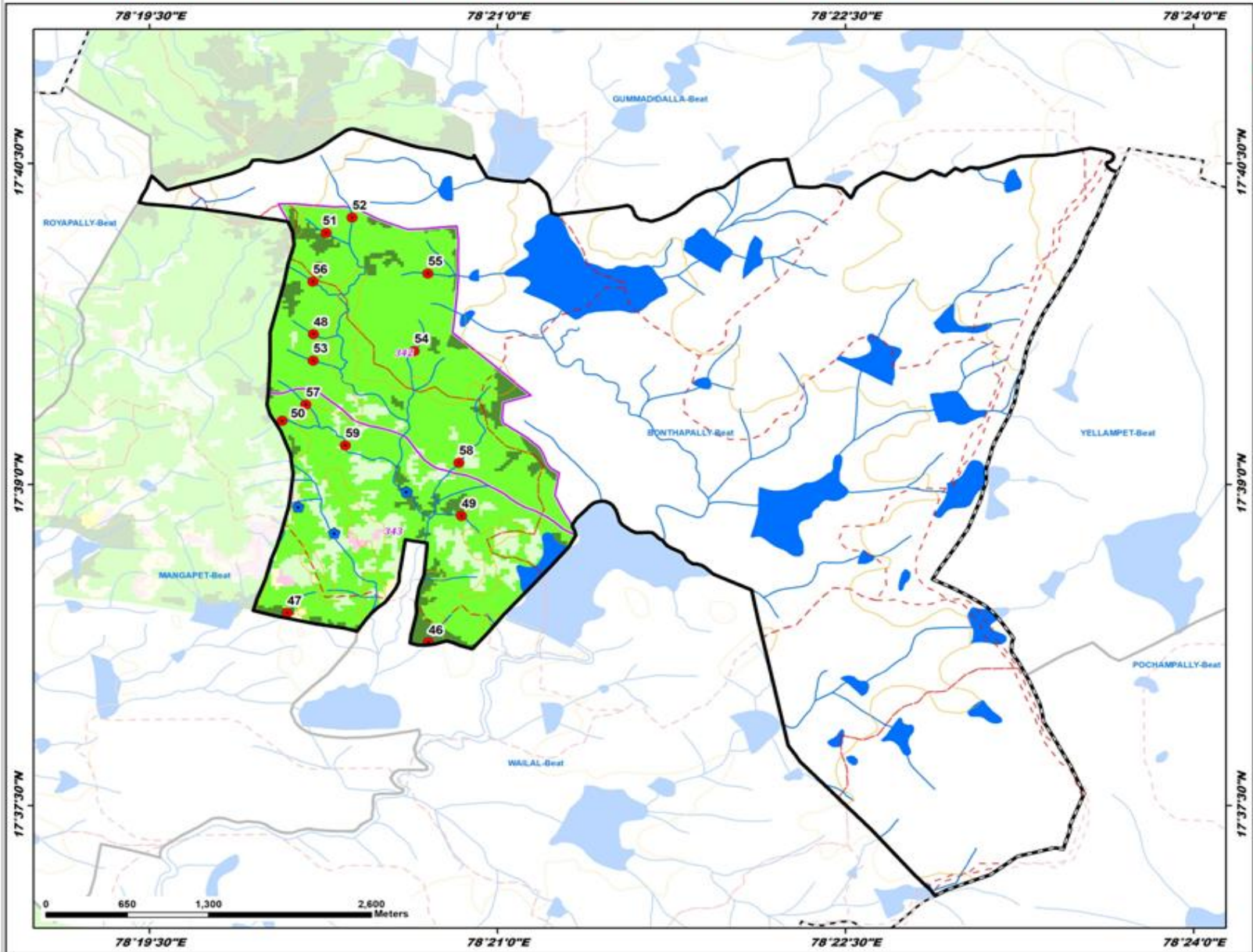
List of Proposed PTs – Sangareddy Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
46	17.637730	78.345042	8.95	I	BONTHAPALLY	87	17.708633	78.350509	5.47	II	NALLAVALLY	128	17.668076	78.331719	21.57	II	MANGAPET
47	17.640011	78.334896	10.24	I	BONTHAPALLY	88	17.704142	78.350300	7.80	II	NALLAVALLY	129	17.663136	78.332507	8.16	II	MANGAPET
48	17.661714	78.336784	9.58	II	BONTHAPALLY	89	17.707921	78.323645	12.24	II	NALLAVALLY	130	17.661375	78.324929	19.47	II	MANGAPET
49	17.647560	78.347426	9.38	II	BONTHAPALLY	90	17.711516	78.342083	20.32	II	NALLAVALLY	131	17.659424	78.331195	7.26	II	MANGAPET
50	17.654967	78.334546	12.36	II	BONTHAPALLY	91	17.706444	78.329444	13.22	II	NALLAVALLY	132	17.652124	78.318414	12.04	II	MANGAPET
51	17.669586	78.337707	14.54	II	BONTHAPALLY	92	17.704848	78.348796	7.39	II	NALLAVALLY	133	17.651736	78.334187	7.59	II	MANGAPET
52	17.670783	78.339565	20.65	II	BONTHAPALLY	93	17.706798	78.327142	6.95	II	NALLAVALLY	134	17.643740	78.328028	25.39	III	MANGAPET
53	17.659646	78.336762	8.56	II	BONTHAPALLY	94	17.703859	78.337605	7.78	II	NALLAVALLY	135	17.654308	78.319544	26.90	III	MANGAPET
54	17.660386	78.344021	10.66	II	BONTHAPALLY	95	17.744842	78.019548	7.34	I	CHOUTKOOR	136	17.669662	78.327922	40.94	III	MANGAPET
55	17.666427	78.345011	9.99	II	BONTHAPALLY	96	17.744440	78.022896	14.81	I	CHOUTKOOR	137	17.650889	78.327105	8.49	IV	MANGAPET
56	17.665795	78.336755	15.95	II	BONTHAPALLY	97	17.746053	78.037903	9.23	I	CHOUTKOOR	138	17.657987	78.304591	10.22	I	ROYAPALLY
57	17.656222	78.336234	11.16	II	BONTHAPALLY	98	17.732860	78.034512	7.78	II	CHOUTKOOR	139	17.664396	78.303645	9.66	I	ROYAPALLY
58	17.651699	78.347234	37.41	III	BONTHAPALLY	99	17.740457	78.025905	7.21	II	CHOUTKOOR	140	17.675278	78.286419	19.73	I	ROYAPALLY
59	17.653038	78.339078	25.11	V	BONTHAPALLY	100	17.737922	78.032642	10.20	II	CHOUTKOOR	141	17.672857	78.283878	9.81	I	ROYAPALLY
60	17.698515	78.344071	7.92	I	GUMMADIDALLA	101	17.748067	78.055823	9.60	II	CHOUTKOOR	142	17.658504	78.302540	14.54	I	ROYAPALLY
61	17.696180	78.340205	5.82	II	GUMMADIDALLA	102	17.735828	78.036660	36.61	III	CHOUTKOOR	143	17.677421	78.290526	9.46	I	ROYAPALLY
62	17.696497	78.343268	9.01	II	GUMMADIDALLA	103	17.725326	78.052732	17.99	I	MINPUR	144	17.659610	78.306891	5.99	I	ROYAPALLY
63	17.701685	78.348653	9.84	II	GUMMADIDALLA	104	17.723071	78.044739	6.75	II	MINPUR	145	17.674841	78.302717	11.01	II	ROYAPALLY
64	17.697257	78.334577	7.65	II	GUMMADIDALLA	105	17.730315	78.048327	7.86	II	MINPUR	146	17.660224	78.308762	12.21	II	ROYAPALLY
65	17.690217	78.328814	10.72	II	GUMMADIDALLA	106	17.724819	78.042091	12.07	II	MINPUR	147	17.663705	78.318028	7.55	II	ROYAPALLY
66	17.699980	78.345944	5.29	II	GUMMADIDALLA	107	17.730774	78.038034	9.58	II	MINPUR	148	17.662202	78.313278	6.02	II	ROYAPALLY
67	17.698046	78.354156	36.93	II	GUMMADIDALLA	108	17.729748	78.055385	16.59	II	MINPUR	149	17.796997	78.196314	9.26	I	WADDEPALLY
68	17.696146	78.353070	5.19	II	GUMMADIDALLA	109	17.730970	78.040671	7.80	II	MINPUR	150	17.796018	78.199967	7.16	I	WADDEPALLY
69	17.693176	78.342396	9.54	II	GUMMADIDALLA	110	17.729444	78.047366	7.55	II	MINPUR	151	17.793852	78.198018	5.97	I	WADDEPALLY
70	17.687744	78.342267	7.99	II	GUMMADIDALLA	111	17.581102	78.348846	8.12	I	KHAJIPALLY	152	17.609991	78.296349	5.44	I	WAILAL
71	17.687955	78.335727	8.83	II	GUMMADIDALLA	112	17.592259	78.366464	9.39	I	KHAJIPALLY	153	17.612269	78.298501	7.97	I	WAILAL
72	17.686941	78.322203	9.79	II	GUMMADIDALLA	113	17.580070	78.362696	9.02	I	KHAJIPALLY	154	17.614037	78.295825	11.49	I	WAILAL
73	17.693410	78.328752	8.45	II	GUMMADIDALLA	114	17.588403	78.369462	8.77	I	KHAJIPALLY	155	17.606736	78.294837	6.66	I	WAILAL
74	17.683522	78.327234	33.99	III	GUMMADIDALLA	115	17.570091	78.366710	6.92	I	KHAJIPALLY	156	17.601526	78.360290	6.01	I	WAILAL
75	17.695975	78.337204	34.62	III	GUMMADIDALLA	116	17.582502	78.366753	7.01	I	KHAJIPALLY	157	17.608787	78.295634	6.09	I	WAILAL
76	17.686187	78.328714	68.64	IV	GUMMADIDALLA	117	17.582759	78.365106	16.50	I	KHAJIPALLY	158	17.600120	78.282164	8.57	I	WAILAL
77	17.689857	78.333260	10.29	IV	GUMMADIDALLA	118	17.577145	78.344006	6.31	I	KHAJIPALLY	159	17.605272	78.288891	18.53	II	WAILAL
78	17.721608	78.437289	5.66	II	KANUKUNTA	119	17.571441	78.369071	13.39	I	KHAJIPALLY	160	17.616559	78.291884	12.03	II	WAILAL
79	17.726915	78.427621	7.76	II	KANUKUNTA	120	17.578671	78.358529	10.81	I	KHAJIPALLY	161	17.609345	78.361925	5.92	II	WAILAL
80	17.728598	78.417085	8.02	II	KANUKUNTA	121	17.580255	78.353756	11.70	I	KHAJIPALLY	162	17.605486	78.357363	10.22	II	WAILAL
81	17.719444	78.442547	9.66	II	KANUKUNTA	122	17.570982	78.372613	9.31	I	KHAJIPALLY	163	17.608178	78.293459	6.91	II	WAILAL
82	17.717341	78.439582	10.95	II	KANUKUNTA	123	17.577487	78.355032	7.37	I	KHAJIPALLY	164	17.605090	78.364557	6.80	II	WAILAL
83	17.723336	78.435250	20.47	IV	KANUKUNTA	124	17.577077	78.338130	25.61	II	KHAJIPALLY	165	17.605973	78.353450	7.47	II	WAILAL
84	17.727062	78.423022	9.94	IV	KANUKUNTA	125	17.648693	78.315836	6.37	I	MANGAPET	166	17.609822	78.360666	6.16	II	WAILAL
85	17.710168	78.350448	7.26	I	NALLAVALLY	126	17.668941	78.323404	14.25	II	MANGAPET	167	17.609782	78.363492	10.17	II	WAILAL
86	17.711564	78.345412	10.20	I	NALLAVALLY	127	17.656024	78.329563	15.02	II	MANGAPET	168	17.607234	78.351415	32.48	III	WAILAL

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



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
46	17.637730	78.345042	8.95	I
47	17.640011	78.334896	10.24	I
48	17.661714	78.336784	9.58	II
49	17.647560	78.347425	9.38	II
50	17.654967	78.334546	12.36	II
51	17.669586	78.337707	14.54	II
52	17.670783	78.339565	20.65	II
53	17.659646	78.336762	8.56	II
54	17.660386	78.344021	10.66	II
55	17.666427	78.345011	9.99	II
56	17.665795	78.336755	15.95	II
57	17.656222	78.336234	11.18	II
58	17.651699	78.347234	37.41	III
59	17.653018	78.339078	25.11	V

LEGEND

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

Suitability Index

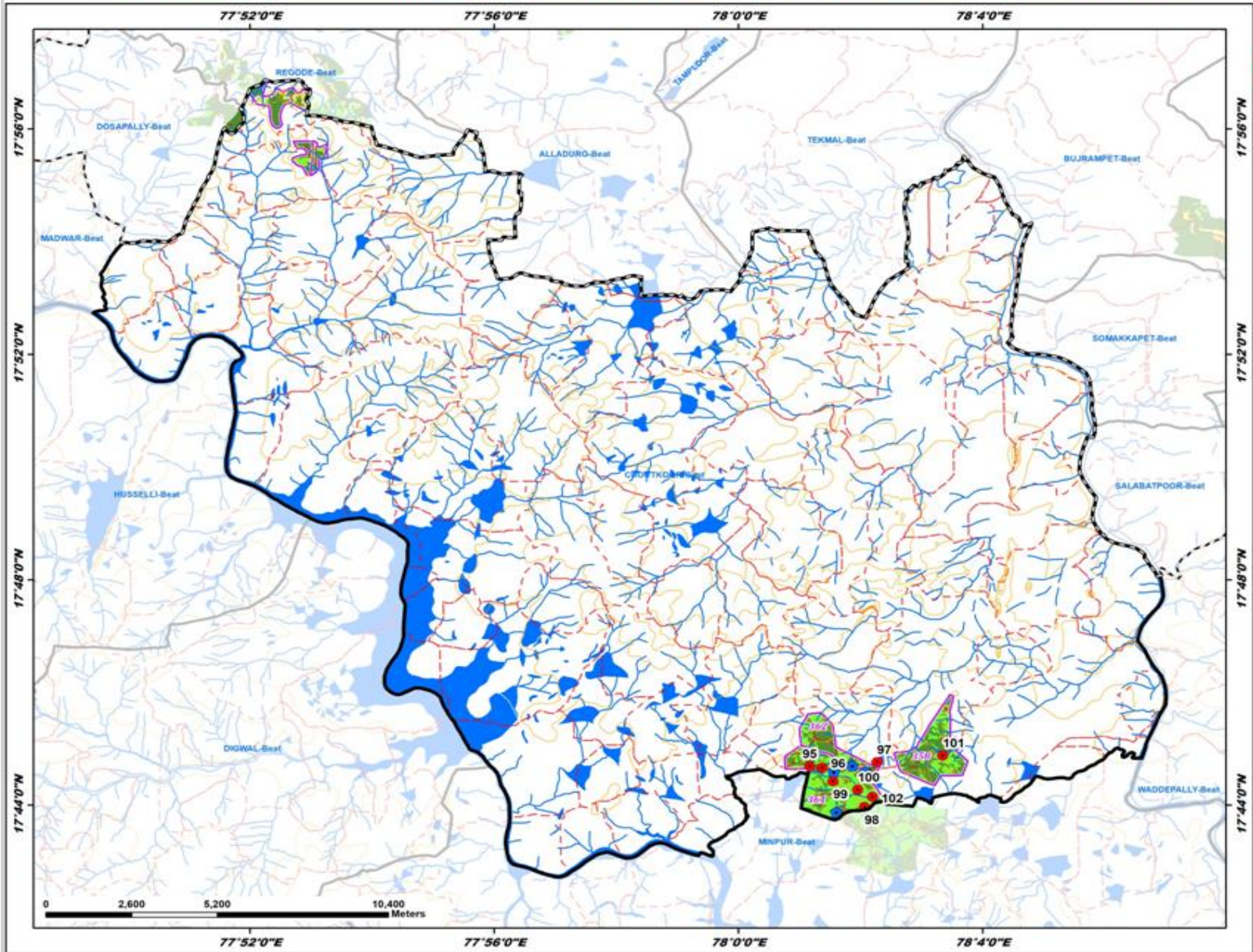
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
95	17.748842	78.019548	7.34	I
96	17.748440	78.022896	14.81	I
97	17.746053	78.037903	9.23	I
98	17.732860	78.034512	7.78	II
99	17.740457	78.025905	7.21	II
100	17.737922	78.032642	10.20	II
101	17.748067	78.055823	9.60	II
102	17.735828	78.036660	36.61	III

LEGEND

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

Suitability Index

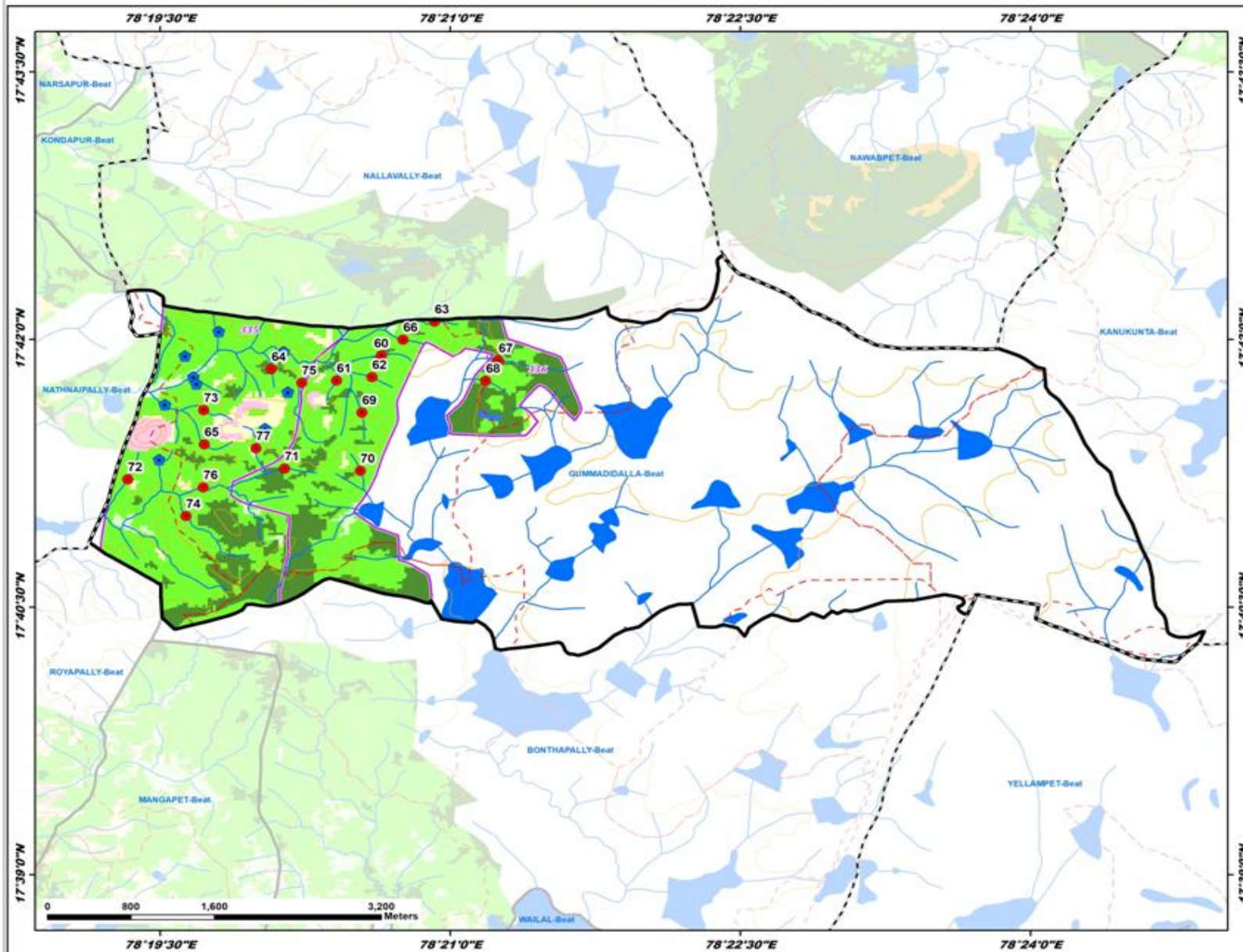
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- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
60	17.69855	78.344071	7.92	I
61	17.696180	78.340205	5.82	II
62	17.696497	78.343268	9.01	II
63	17.701685	78.348653	9.94	II
64	17.697257	78.334577	7.65	II
65	17.690217	78.328814	10.72	II
66	17.699980	78.345944	5.29	II
67	17.698046	78.354156	36.93	II
68	17.696146	78.353070	5.19	II
69	17.693176	78.342396	9.54	II
70	17.687744	78.342267	7.99	II
71	17.687955	78.335727	8.83	II
72	17.686941	78.322203	9.79	II
73	17.693430	78.328752	8.45	II
74	17.683522	78.327234	33.99	III
75	17.695975	78.337204	34.62	III
76	17.686187	78.328714	68.64	IV
77	17.689857	78.333260	10.29	IV

LEGEND

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

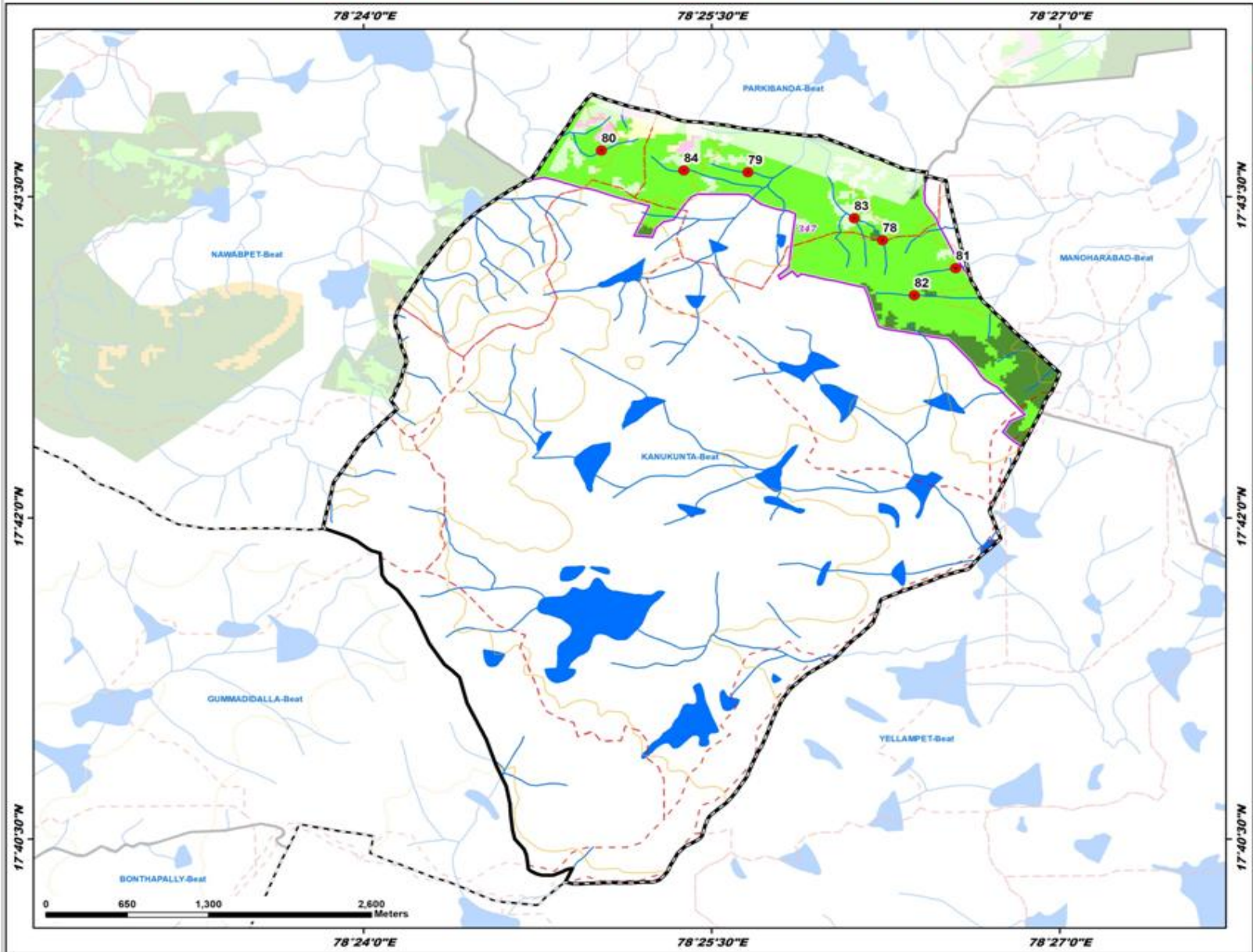
Suitability Index

- 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 Kanukunta Beat



Division : Sangareddy
Range : Sangareddy



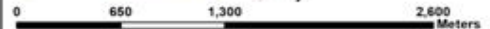
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
78	17.721608	78.437289	5.66	II
79	17.726915	78.427621	7.76	II
80	17.728598	78.437085	8.02	II
81	17.719444	78.442547	9.66	II
82	17.717341	78.439582	10.95	II
83	17.723336	78.435250	20.47	IV
84	17.727062	78.423022	9.94	IV

LEGEND

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

Suitability Index

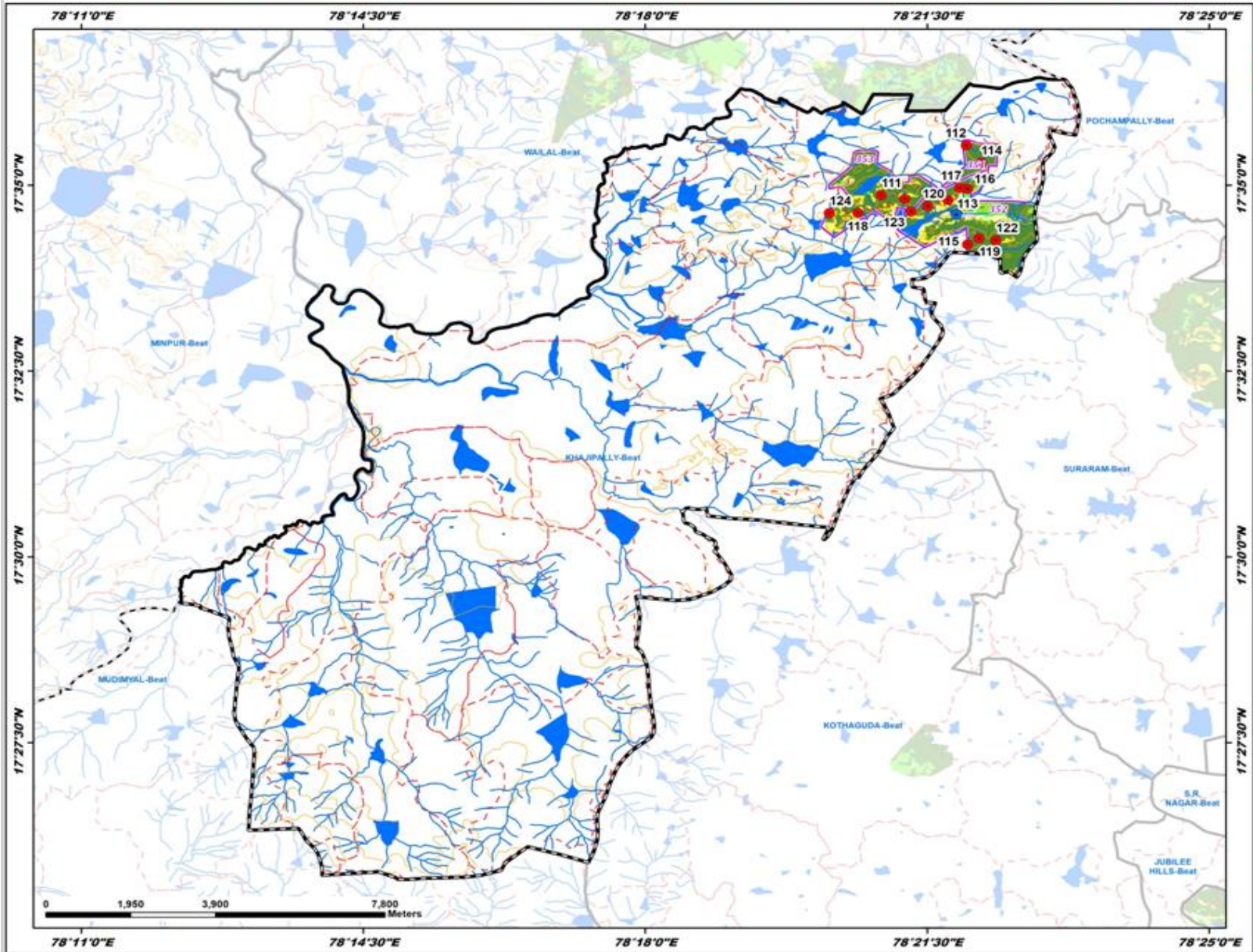
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
111	17.581302	78.348846	8.32	I
112	17.592259	78.366464	9.39	I
113	17.580070	78.362696	9.02	I
114	17.588403	78.369462	8.77	I
115	17.570091	78.366710	6.92	I
116	17.582502	78.366753	7.01	I
117	17.582759	78.365106	16.50	I
118	17.577545	78.344006	6.31	I
119	17.571441	78.369071	13.39	I
120	17.578671	78.358529	10.81	I
121	17.580255	78.353756	11.70	I
122	17.570982	78.372613	9.31	I
123	17.577487	78.359032	7.37	I
124	17.577077	78.338130	25.61	II

LEGEND

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

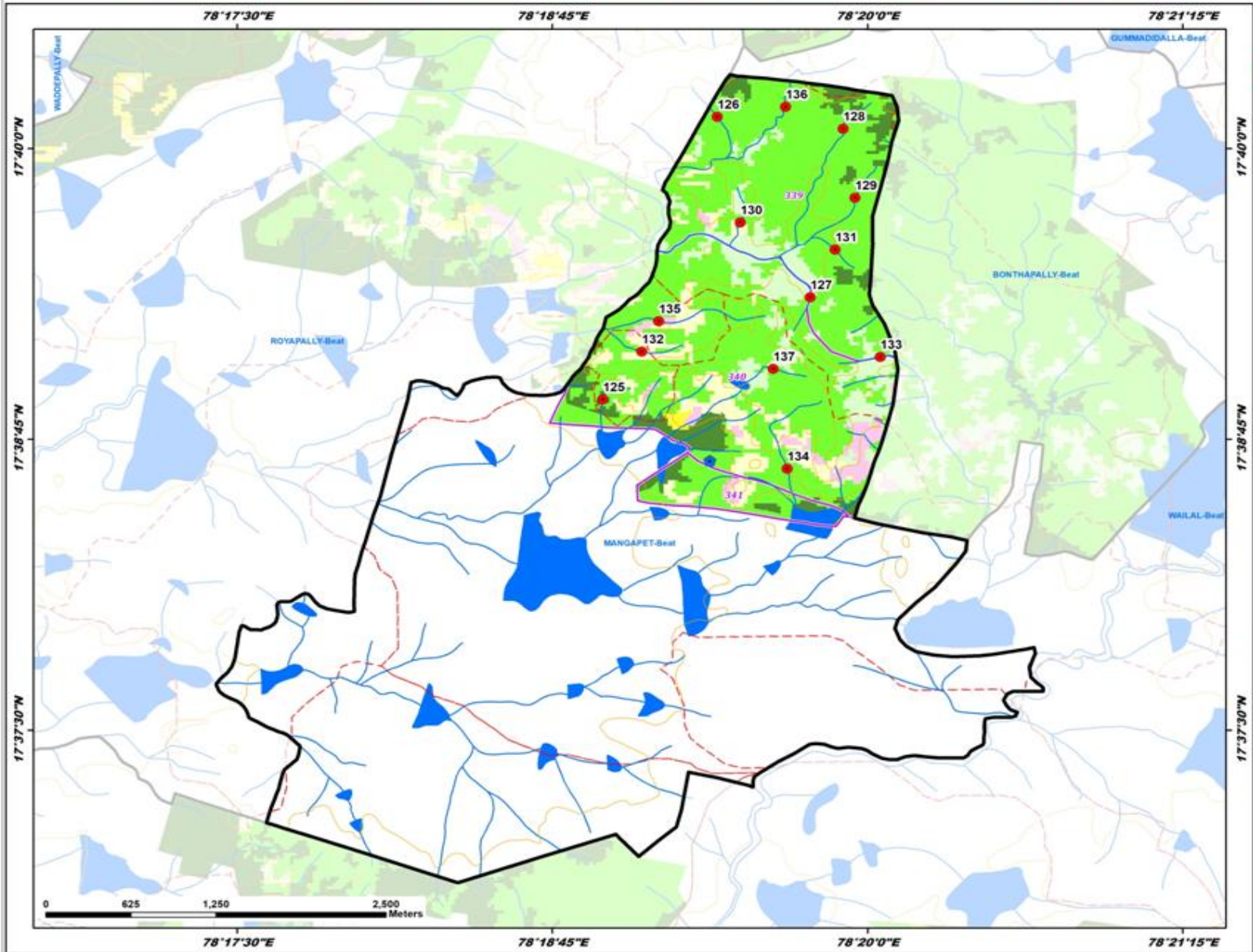
Suitability Index

- 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 Mangapet Beat



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
125	17.648093	78.315836	6.37	I
126	17.668941	78.323404	14.25	II
127	17.656024	78.329563	15.02	II
128	17.668076	78.331719	21.57	II
129	17.663136	78.332507	8.16	II
130	17.661375	78.324929	19.47	II
131	17.659424	78.331195	7.26	II
132	17.652124	78.318414	12.04	II
133	17.651736	78.334187	7.59	II
134	17.643740	78.328028	25.39	III
135	17.654308	78.319544	26.90	III
136	17.669662	78.327922	40.94	III
137	17.650889	78.327105	8.49	IV

LEGEND

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

Suitability Index

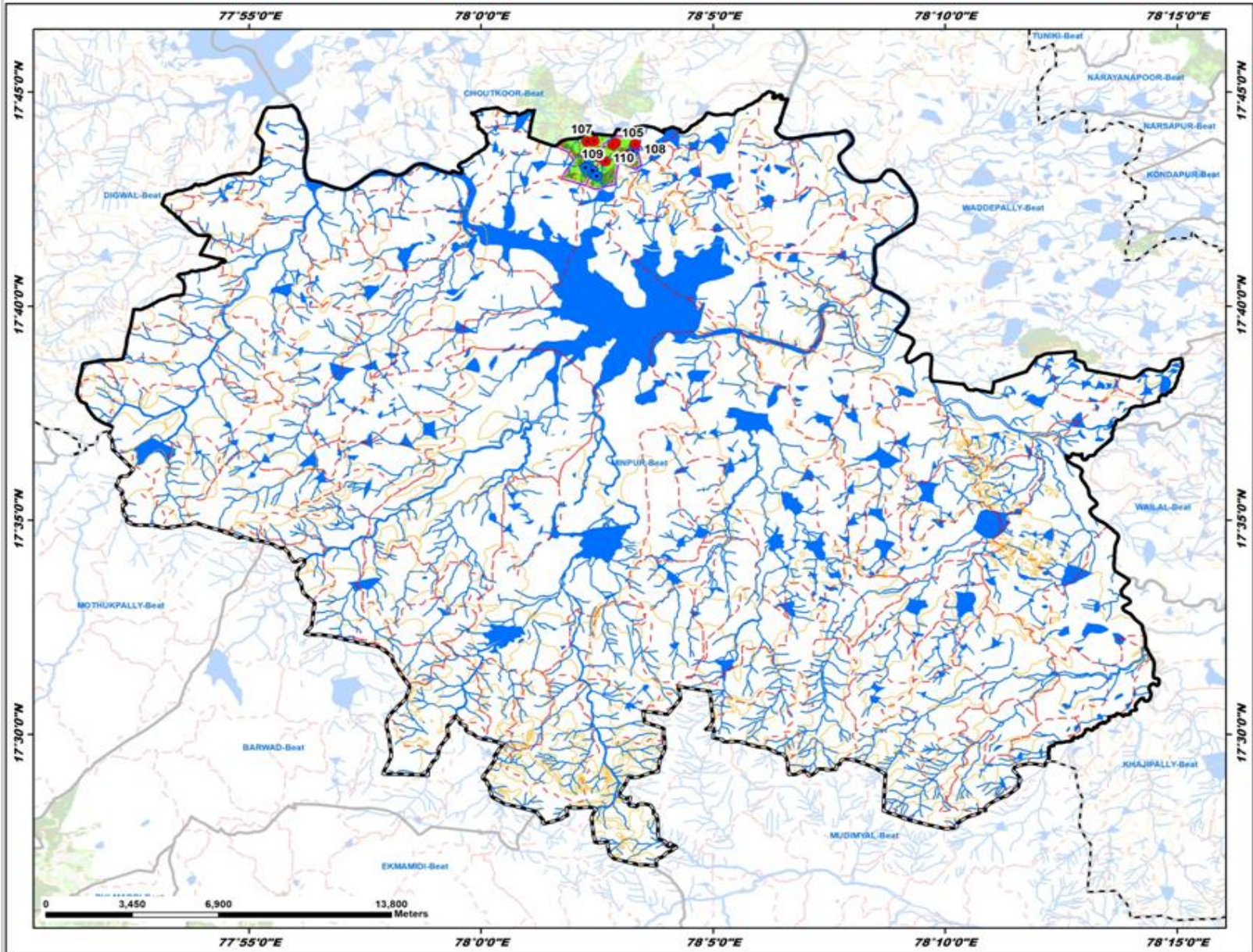
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- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
103	17.725326	78.052732	17.99	I
104	17.723071	78.044739	6.75	II
105	17.730315	78.048327	7.86	II
106	17.724819	78.042091	12.07	II
107	17.730774	78.038034	9.58	II
108	17.729748	78.055385	16.59	II
109	17.730970	78.040671	7.80	II
110	17.729444	78.047366	7.55	II

LEGEND

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

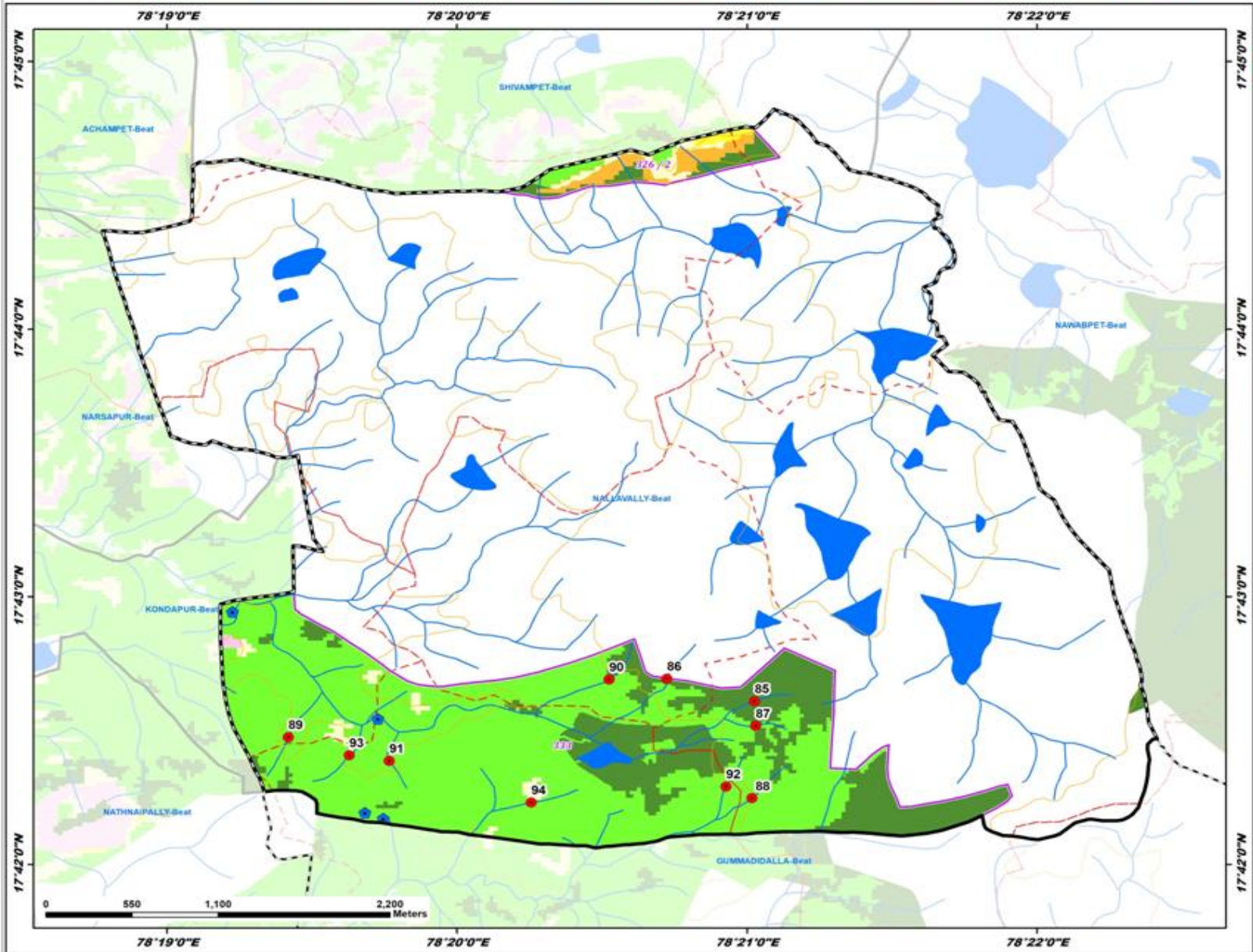
Suitability Index

- 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 Nallavally Beat



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
85	17.710568	78.350648	7.25	I
86	17.711564	78.345412	10.20	I
87	17.708633	78.350509	5.47	II
88	17.704142	78.350300	7.80	II
89	17.707921	78.323645	12.24	II
90	17.711536	78.342083	20.32	II
91	17.706444	78.329644	13.22	II
92	17.704848	78.348796	7.39	II
93	17.706798	78.327142	6.95	II
94	17.703859	78.337605	7.78	II

LEGEND

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

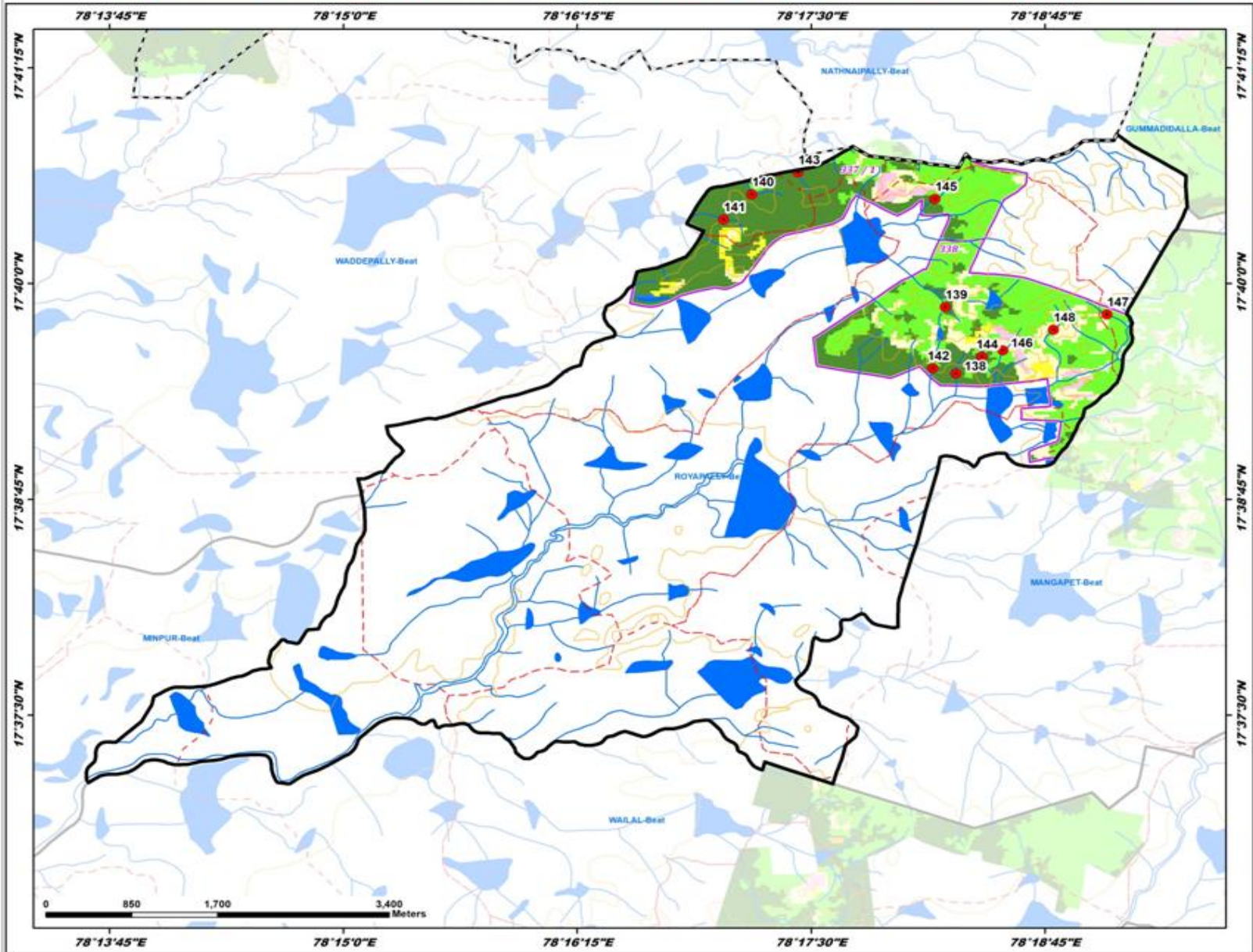
Suitability Index

- 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 Royapally Beat



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
138	17.657987	78.304591	10.22	I
139	17.664396	78.303645	9.66	I
140	17.675278	78.286419	19.73	I
141	17.672857	78.283878	9.81	I
142	17.658504	78.302540	14.54	I
143	17.677421	78.290526	8.46	I
144	17.659610	78.306891	5.99	I
145	17.674841	78.302717	11.01	II
146	17.660224	78.308762	12.21	II
147	17.663705	78.318028	7.55	II
148	17.662202	78.313278	6.02	II

LEGEND

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

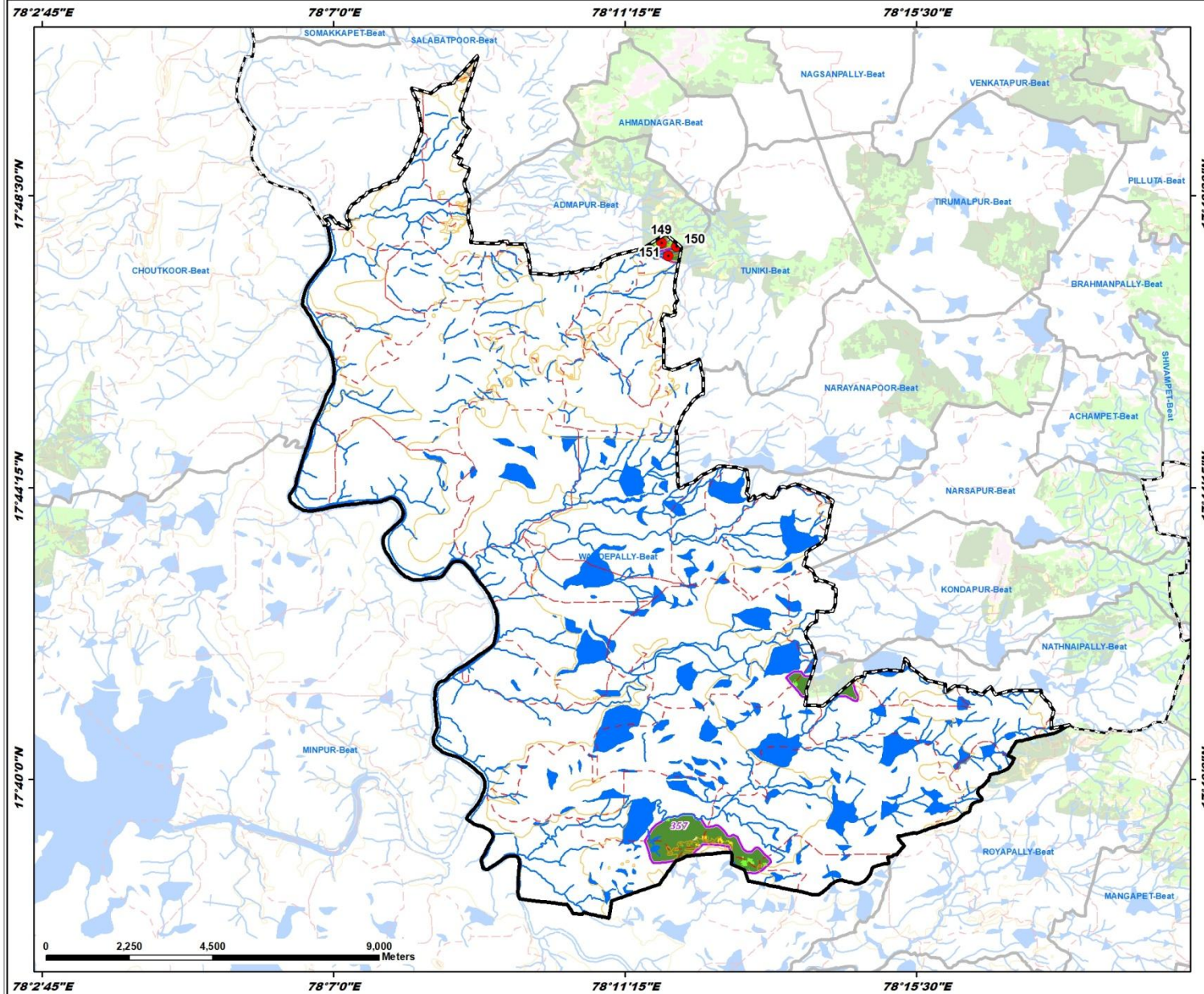
Suitability Index

- 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 Waddepally Beat



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
149	17.796997	78.196314	9.26	I
150	17.796018	78.199967	7.16	I
151	17.793852	78.198018	5.97	I

LEGEND

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

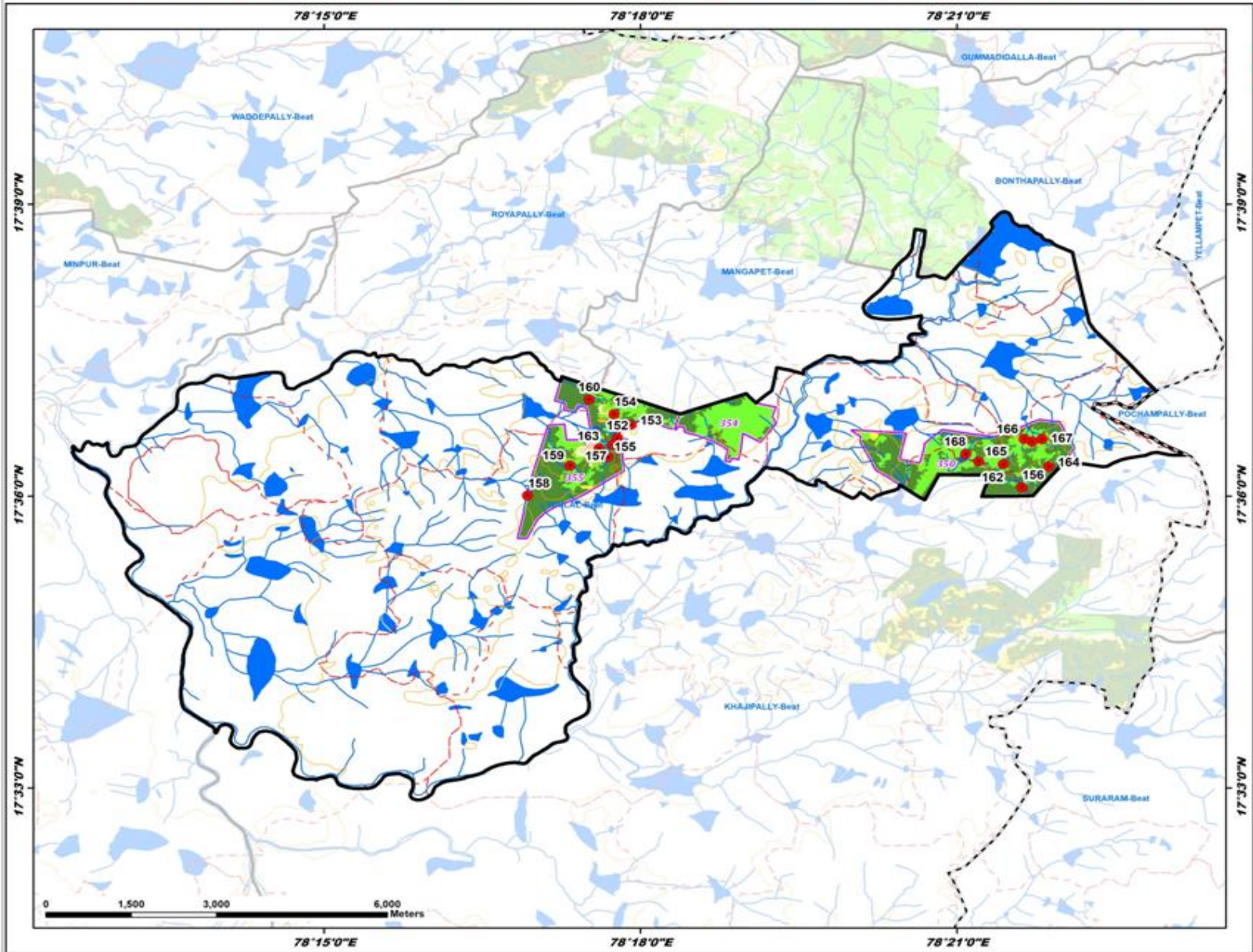
Suitability Index

- 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 Wailal Beat



Division : Sangareddy
Range : Sangareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
152	17.609991	78.296349	5.44	I
153	17.612269	78.298501	7.97	I
154	17.614037	78.295825	11.49	I
155	17.606736	78.294837	6.66	I
156	17.601526	78.360290	6.01	I
157	17.608787	78.295634	6.09	I
158	17.600120	78.282164	8.57	I
159	17.605272	78.288891	18.53	II
160	17.616559	78.291884	12.03	II
161	17.609345	78.361925	5.92	II
162	17.605486	78.357363	10.22	II
163	17.608178	78.293459	6.91	II
164	17.605090	78.364557	6.80	II
165	17.605973	78.353450	7.47	II
166	17.609822	78.360666	6.16	II
167	17.609782	78.363492	10.17	II
168	17.607234	78.351415	32.48	III

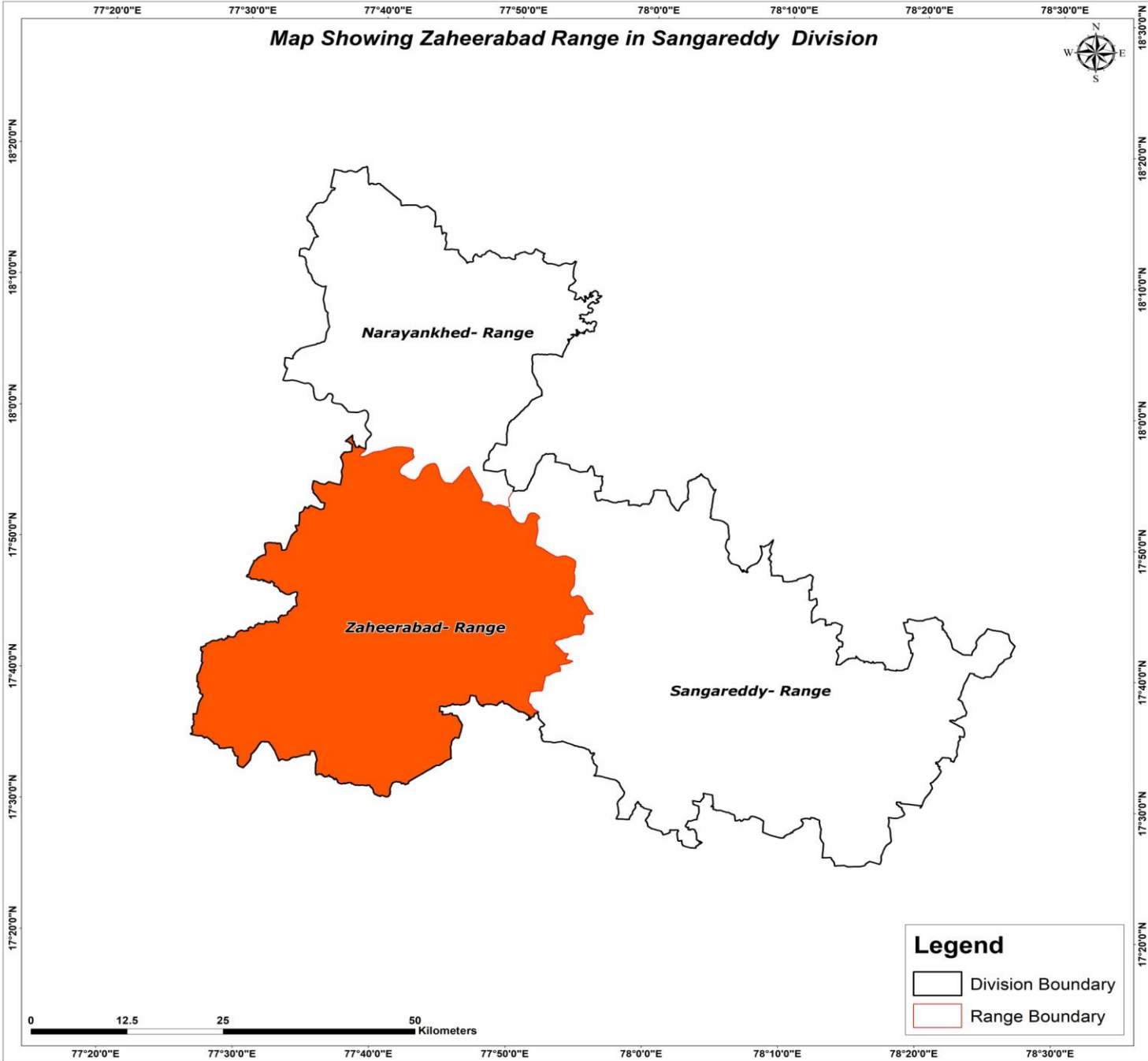
LEGEND

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

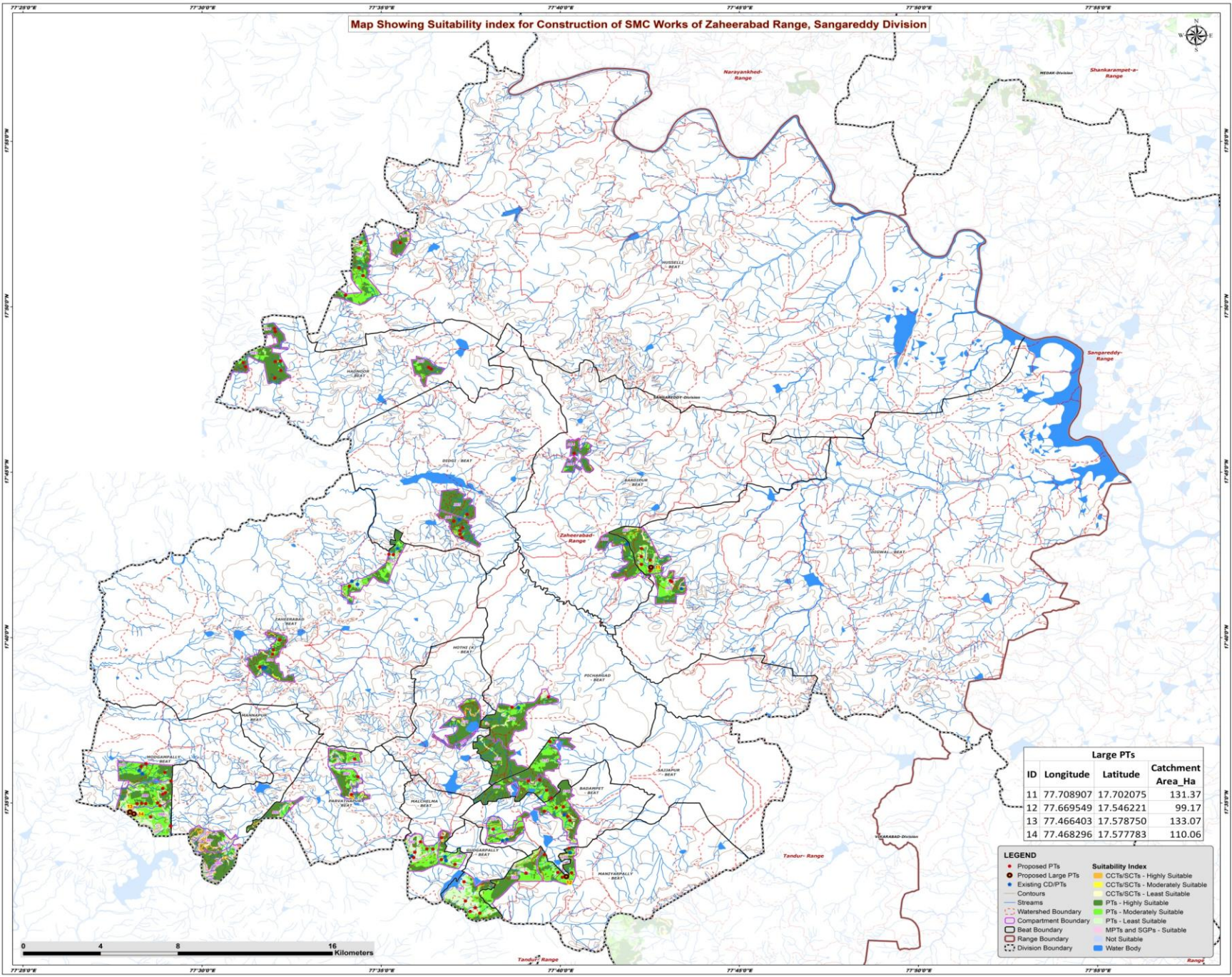
Suitability Index

- 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 Zaheerabad Range in Sangareddy Division



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



Large PTs

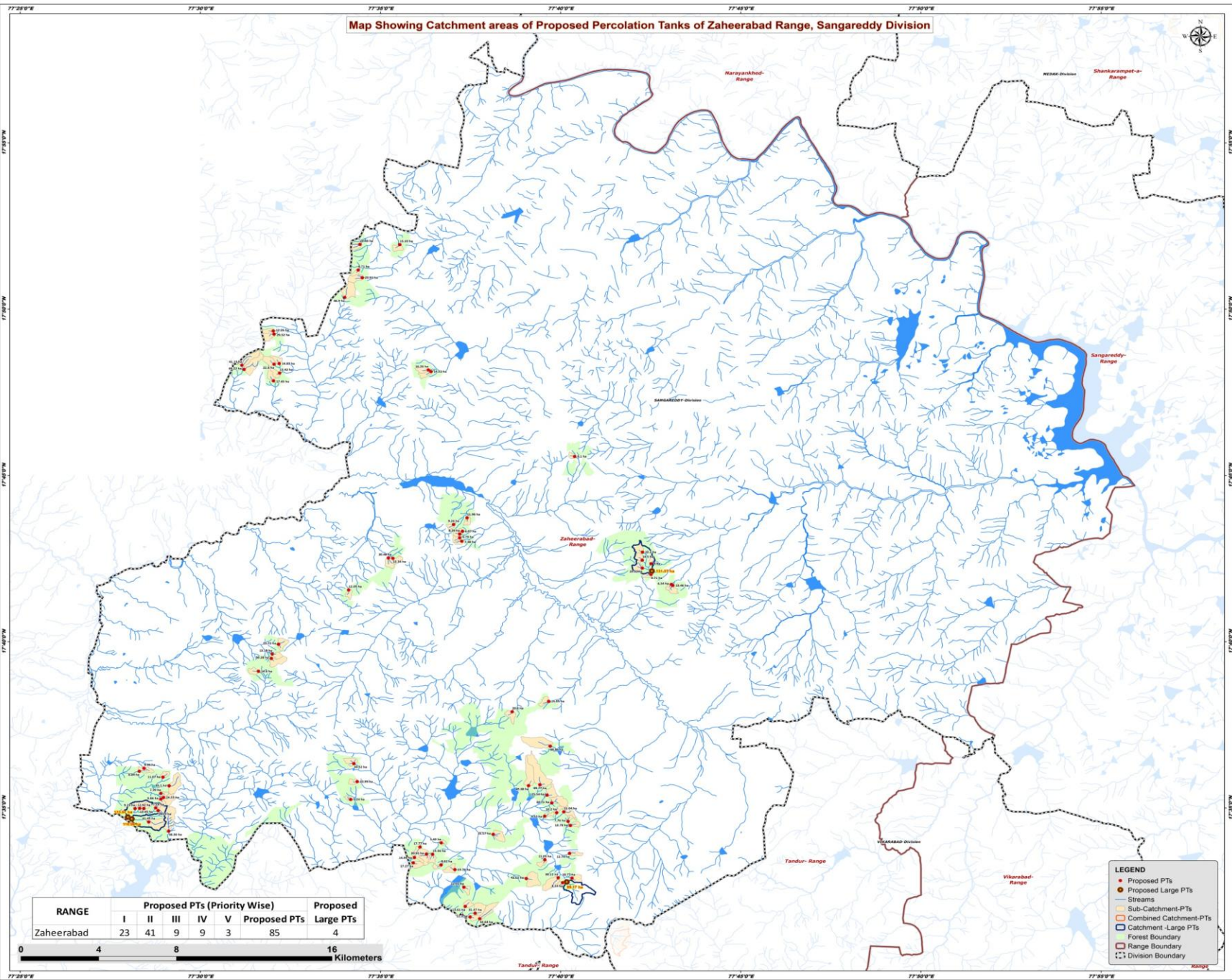
ID	Longitude	Latitude	Catchment Area_Ha
11	77.708907	17.702075	131.37
12	77.669549	17.546221	99.17
13	77.466403	17.578750	133.07
14	77.468296	17.577783	110.06

LEGEND

- Proposed PTs
- Proposed Large PTs
- Existing CD/PTs
- 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 SGP's - Suitable
 - Not Suitable
 - Water Body



Map Showing Catchment areas of Proposed Percolation Tanks of Zaheerabad Range, Sangareddy Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Zaheerabad	23	41	9	9	3	85

0 4 8 16 Kilometers

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

Beat wise Abstract of Proposed PT's – Zaheerabad Range

S. No.	Beat	Proposed PT's
1	BADAMPET	7
2	BARDIPUR	1
3	DIDGI	6
4	DIGWAL	7
5	GUDGARPALLY	5
6	HADNOOR	10
7	HUSSELLI	5
8	MALCHELMA	8
9	MANIYARPALLY	6
10	MODGAMPALLY	14
11	PARVATHAPUR	3
12	PICHARGAD	2
13	SAJJAPUR	4
14	ZAHEERABAD	7
	Total	85

List of Proposed PTs – Zaheerabad Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
169	17.759496	77.673177	8.10	I	BARDIPUR
170	17.728756	77.623394	11.96	I	DIDGI
171	17.721964	77.621268	6.97	I	DIDGI
172	17.717000	77.620971	7.38	I	DIDGI
173	17.718716	77.620007	9.79	I	DIDGI
174	17.725408	77.617166	9.24	I	DIDGI
175	17.720611	77.620020	8.29	II	DIDGI
176	17.711515	77.704551	22.20	I	DIGWAL
177	17.707480	77.704433	14.50	II	DIGWAL
178	17.695338	77.717919	6.54	II	DIGWAL
179	17.705724	77.708537	9.00	II	DIGWAL
180	17.700305	77.708497	9.71	II	DIGWAL
181	17.703503	77.704490	19.92	II	DIGWAL
182	17.694817	77.718597	13.46	II	DIGWAL
183	17.801303	77.536658	15.42	I	HADNOOR
184	17.802033	77.606726	14.51	I	HADNOOR
185	17.797389	77.533863	17.45	I	HADNOOR
186	17.822383	77.533769	12.26	I	HADNOOR
187	17.802826	77.605471	16.26	I	HADNOOR
188	17.806020	77.536473	14.83	II	HADNOOR
189	17.803110	77.520250	49.22	II	HADNOOR
190	17.820783	77.534096	29.52	II	HADNOOR
191	17.805699	77.534112	22.60	II	HADNOOR
192	17.805232	77.519240	41.13	III	HADNOOR
193	17.852951	77.573054	8.71	I	HUSSELLI
194	17.865668	77.592267	15.35	I	HUSSELLI
195	17.849087	77.574925	23.91	II	HUSSELLI
196	17.865787	77.573843	23.43	II	HUSSELLI
197	17.839182	77.566780	46.90	III	HUSSELLI
198	17.579172	77.659310	9.52	I	BADAMPET
199	17.576578	77.670115	7.76	II	BADAMPET
200	17.585788	77.662569	34.71	II	BADAMPET
201	17.581339	77.668158	21.04	II	BADAMPET
202	17.574506	77.671200	10.78	II	BADAMPET
203	17.580914	77.664874	10.20	II	BADAMPET
204	17.570076	77.635491	25.57	III	BADAMPET
205	17.543579	77.621925	12.01	II	GUDGARPALLY
206	17.527784	77.629285	32.64	III	GUDGARPALLY
207	17.533931	77.622585	13.61	IV	GUDGARPALLY
208	17.528652	77.624803	11.30	IV	GUDGARPALLY

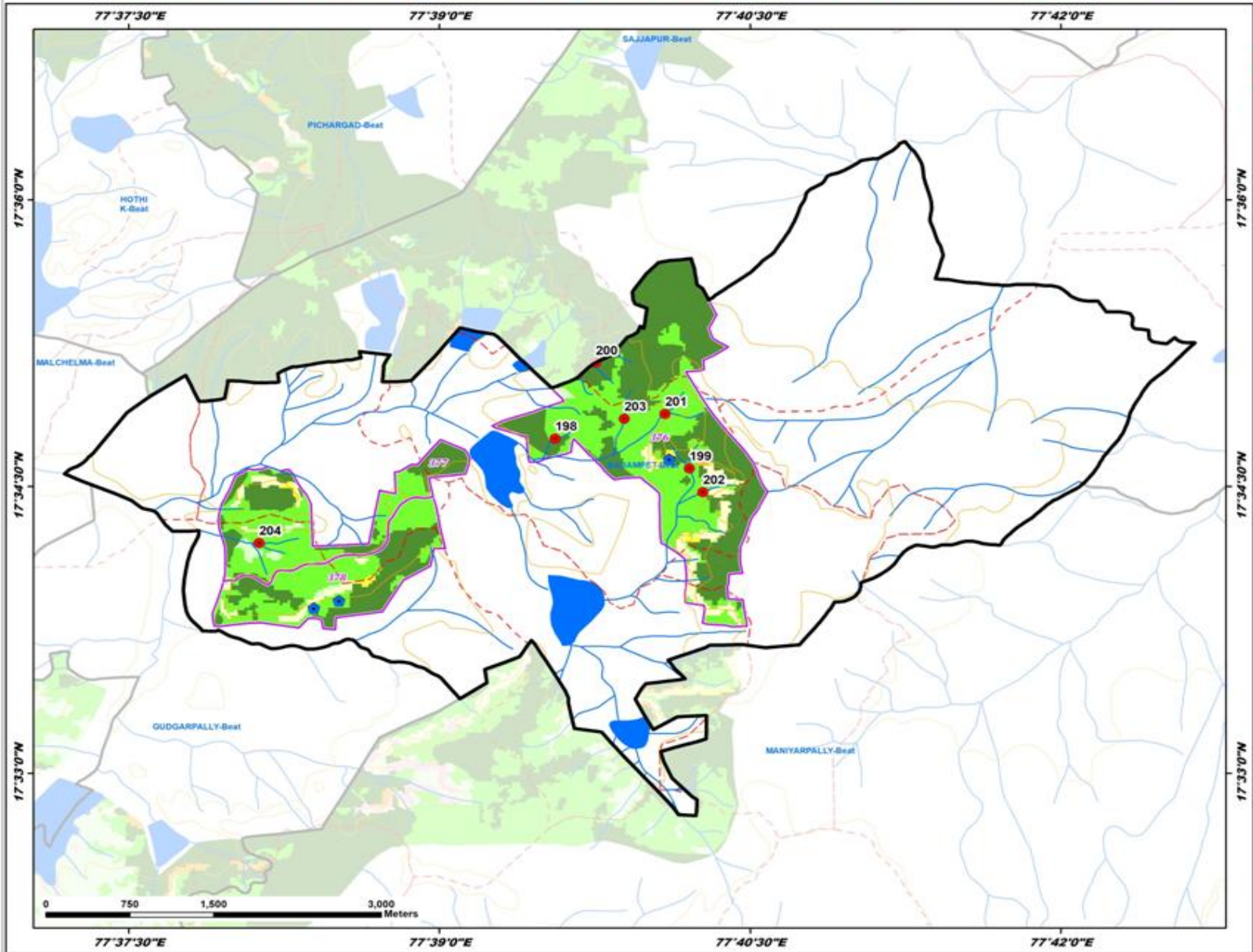
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
209	17.530506	77.627138	31.47	V	GUDGARPALLY
210	17.560049	77.607463	14.36	II	MALCHELMA
211	17.563725	77.601632	17.77	II	MALCHELMA
212	17.554751	77.611355	8.61	II	MALCHELMA
213	17.565808	77.611414	5.49	II	MALCHELMA
214	17.560144	77.604599	20.91	II	MALCHELMA
215	17.552378	77.617747	19.76	II	MALCHELMA
216	17.558450	77.599016	14.49	IV	MALCHELMA
217	17.555832	77.598473	17.27	IV	MALCHELMA
218	17.560519	77.670829	12.74	I	MANIYARPALLY
219	17.557314	77.659398	11.05	I	MANIYARPALLY
220	17.545846	77.667637	8.24	II	MANIYARPALLY
221	17.548161	77.671956	18.77	II	MANIYARPALLY
222	17.548258	77.665568	39.12	V	MANIYARPALLY
223	17.547927	77.650804	43.02	V	MANIYARPALLY
224	17.631532	77.644245	20.60	II	PICHARGAD
225	17.636732	77.661156	15.05	IV	PICHARGAD
226	17.594925	77.657124	89.77	III	SAJJAPUR
227	17.594475	77.651844	49.38	III	SAJJAPUR
228	17.589712	77.660389	25.54	III	SAJJAPUR
229	17.614236	77.661833	68.86	IV	SAJJAPUR
230	17.601691	77.471766	8.84	I	MODGAMPALLY
231	17.603204	77.473968	9.96	I	MODGAMPALLY
232	17.583311	77.479321	7.14	II	MODGAMPALLY
233	17.598696	77.482712	11.07	II	MODGAMPALLY
234	17.583103	77.471937	12.45	II	MODGAMPALLY
235	17.581936	77.480485	14.79	II	MODGAMPALLY
236	17.587733	77.481732	9.86	II	MODGAMPALLY
237	17.582966	77.469798	9.23	II	MODGAMPALLY
238	17.594385	77.485564	45.10	II	MODGAMPALLY
239	17.582991	77.473854	12.92	II	MODGAMPALLY
240	17.588544	77.482948	24.55	II	MODGAMPALLY
241	17.576272	77.476108	41.45	III	MODGAMPALLY
242	17.590571	77.481700	7.39	IV	MODGAMPALLY
243	17.571684	77.485377	58.36	IV	MODGAMPALLY
244	17.587572	77.569566	5.24	I	PARVATHAPUR
245	17.596518	77.572565	10.99	I	PARVATHAPUR
246	17.605508	77.571012	20.52	II	PARVATHAPUR
247	17.665361	77.536150	23.72	I	ZAHEERABAD
248	17.651780	77.526876	14.60	I	ZAHEERABAD

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
249	17.692569	77.568591	12.05	II	ZAHEERABAD
250	17.660430	77.533228	13.18	II	ZAHEERABAD
251	17.708629	77.586985	20.48	II	ZAHEERABAD
252	17.658227	77.532847	30.28	III	ZAHEERABAD
253	17.708439	77.589091	13.34	IV	ZAHEERABAD

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



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
198	17.579172	77.659310	9.52	I
199	17.576578	77.670115	7.76	II
200	17.585788	77.662569	34.71	II
201	17.581339	77.668158	21.04	II
202	17.574506	77.671200	10.78	II
203	17.580914	77.664874	10.20	II
204	17.570076	77.635491	25.57	III

LEGEND

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

Suitability Index

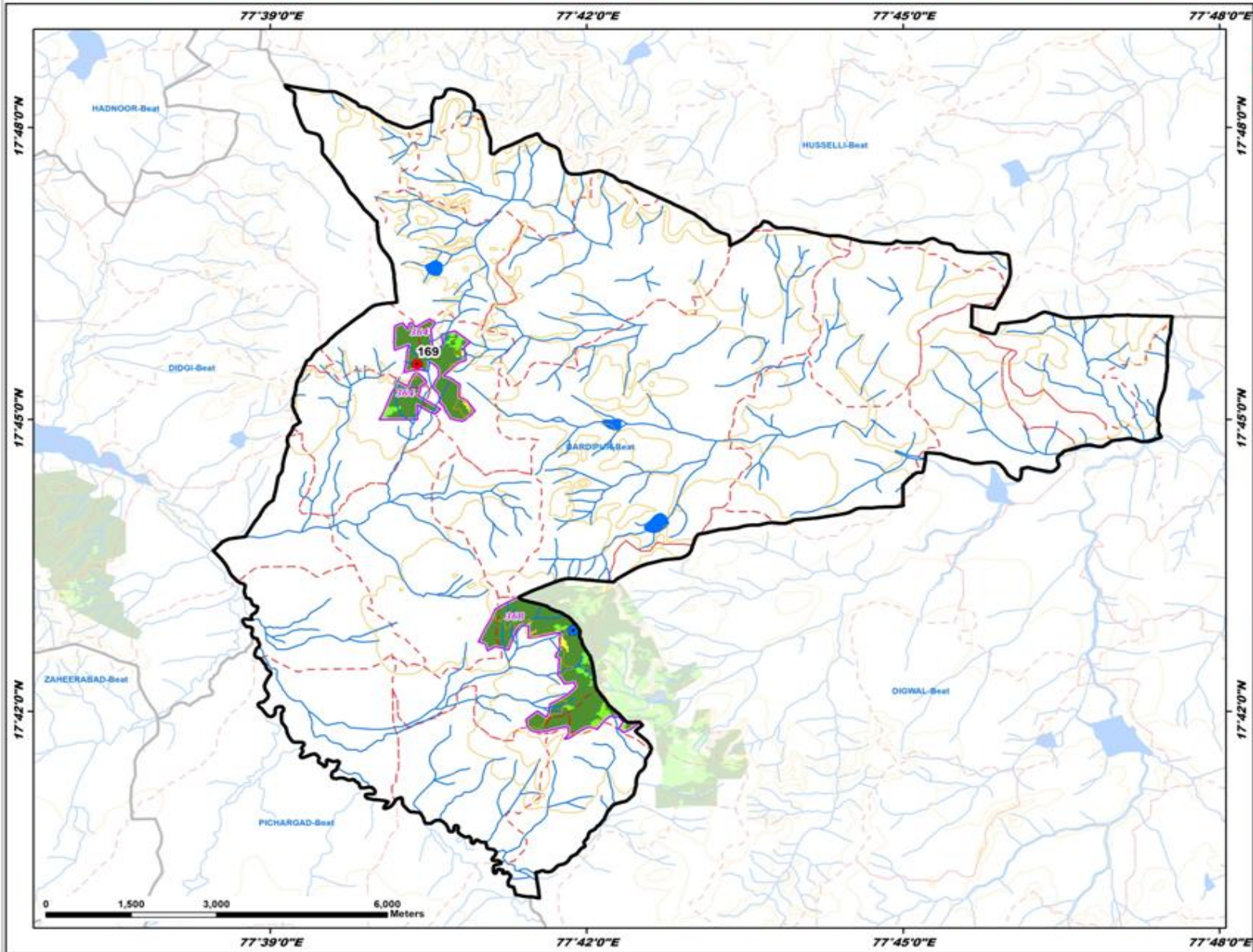
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
169	17.759496	77.673177	8.10	I

LEGEND

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

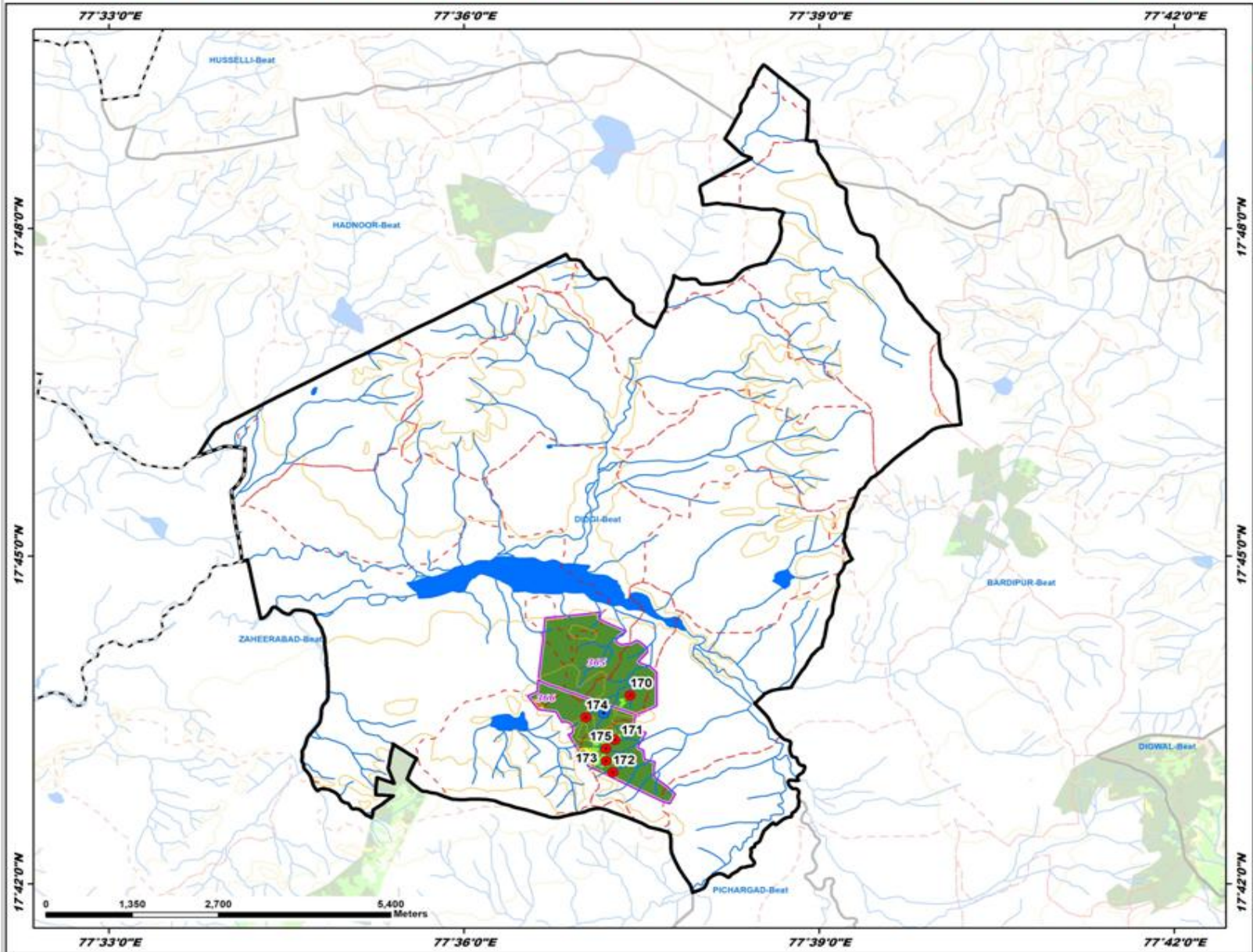
Suitability Index

- 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 Didgi Beat



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
170	17.728756	77.623394	11.96	I
171	17.721964	77.621268	6.97	I
172	17.717000	77.620971	7.38	I
173	17.718716	77.620007	9.79	I
174	17.725408	77.617166	9.24	I
175	17.720611	77.620020	8.29	II

LEGEND

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

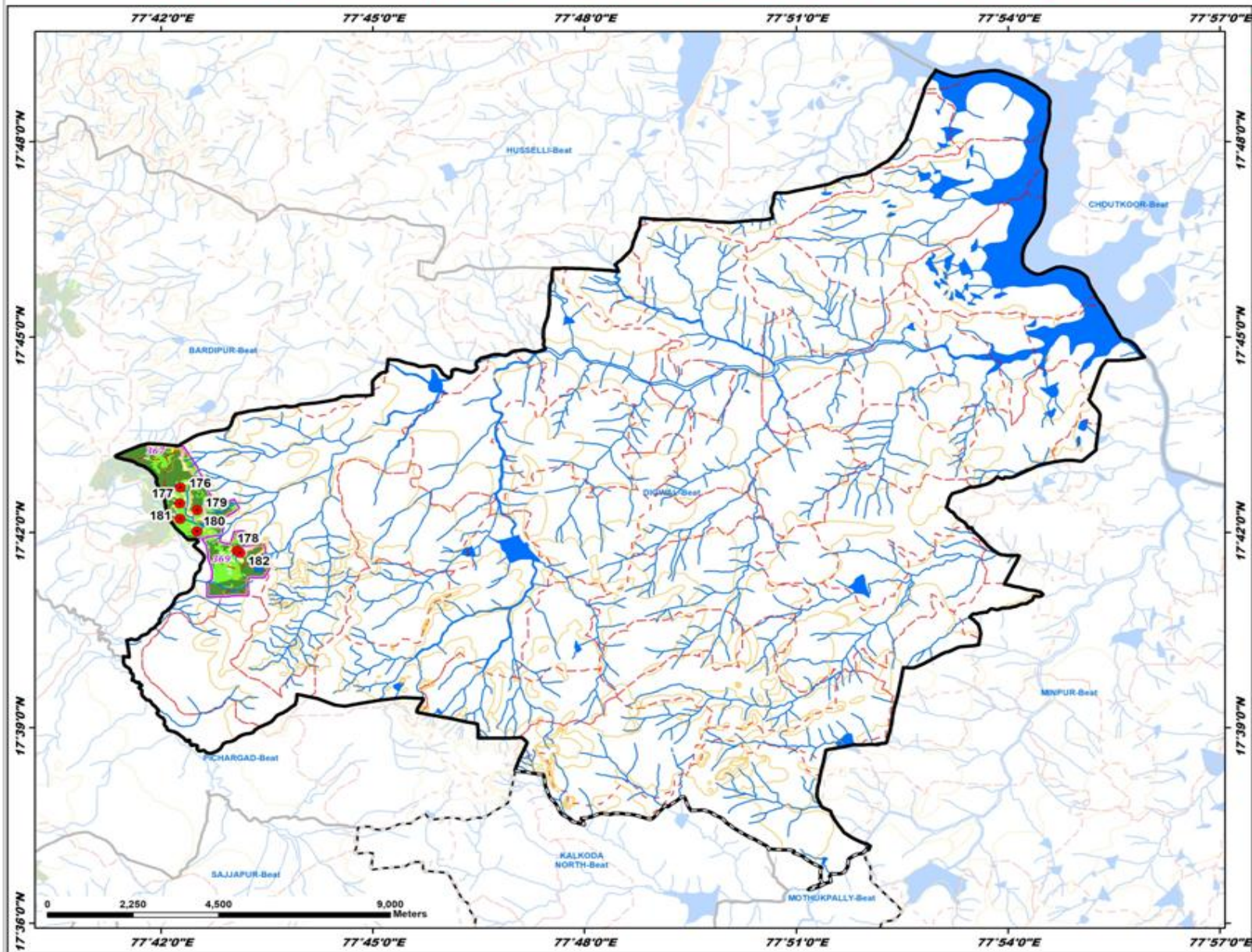
Suitability Index

- 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 Digwal Beat



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
176	17.711515	77.704551	22.20	I
177	17.707480	77.704433	14.50	II
178	17.695338	77.717919	6.54	II
179	17.705724	77.708537	9.00	II
180	17.700305	77.708497	9.71	II
181	17.703503	77.704490	19.92	II
182	17.694817	77.718597	13.46	II

LEGEND

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

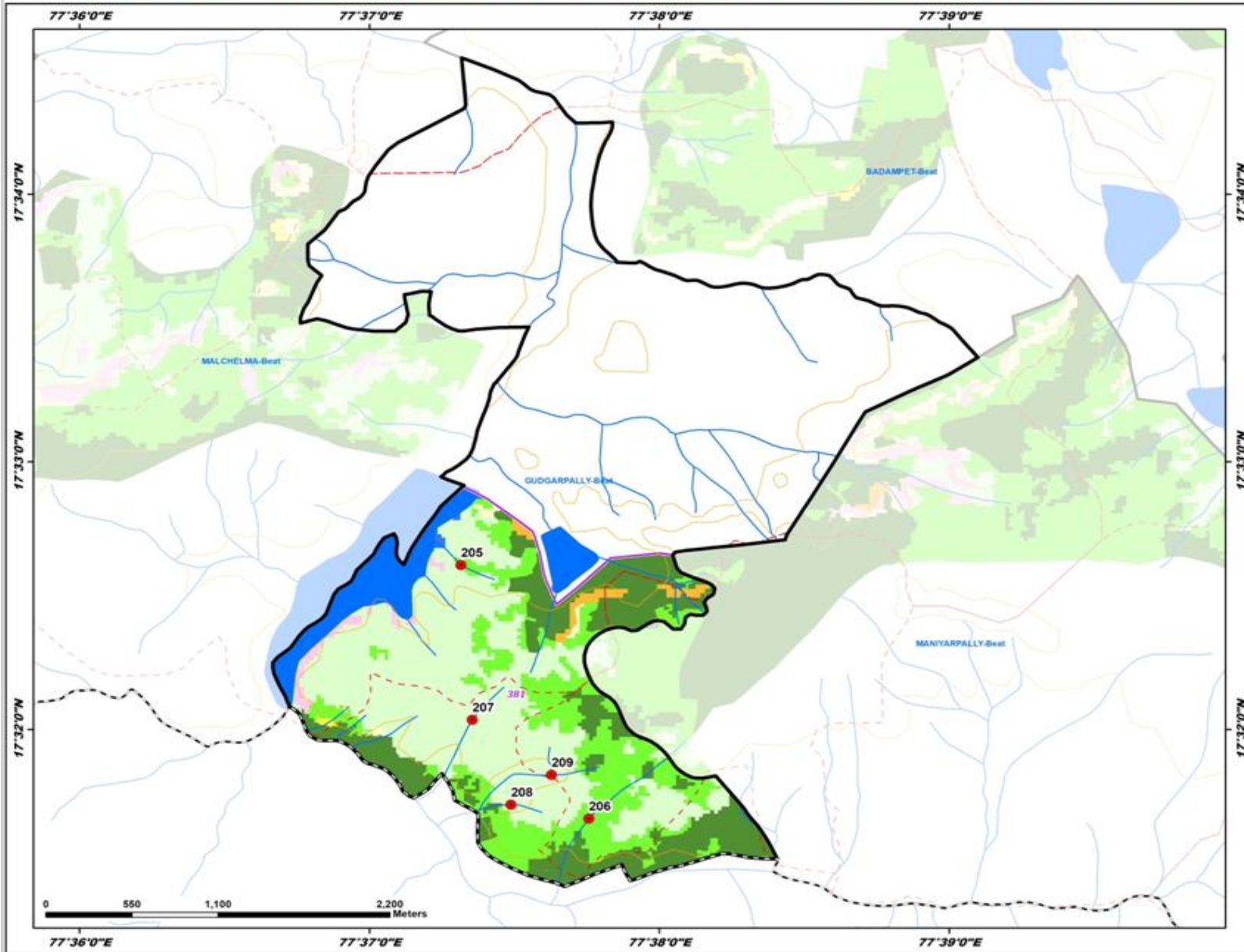
Suitability Index

- 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 Gudgarpally Beat



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
205	17.543579	77.623925	12.01	II
206	17.527784	77.625085	32.64	III
207	17.533931	77.622585	13.61	IV
208	17.528652	77.624803	11.30	IV
209	17.530506	77.627138	31.47	V

LEGEND

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

Suitability Index

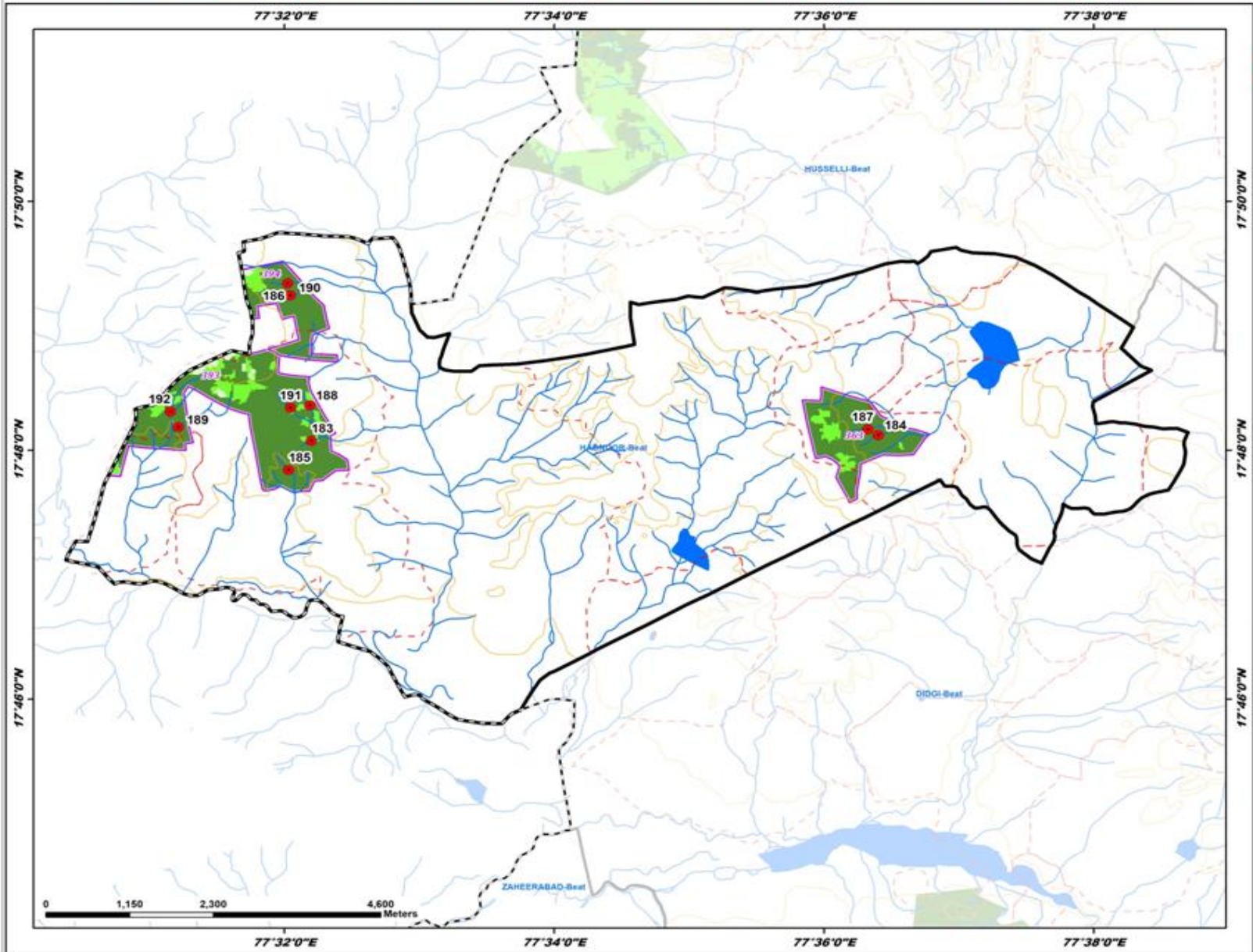
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
183	17.801303	77.536658	15.42	I
184	17.802033	77.606726	14.51	I
185	17.797389	77.533863	17.45	I
186	17.822383	77.533769	12.26	I
187	17.802826	77.605471	16.26	I
188	17.806020	77.536473	14.83	II
189	17.803110	77.520250	49.22	II
190	17.820783	77.534096	29.52	II
191	17.805699	77.534112	22.60	II
192	17.805232	77.539240	41.13	III

LEGEND

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

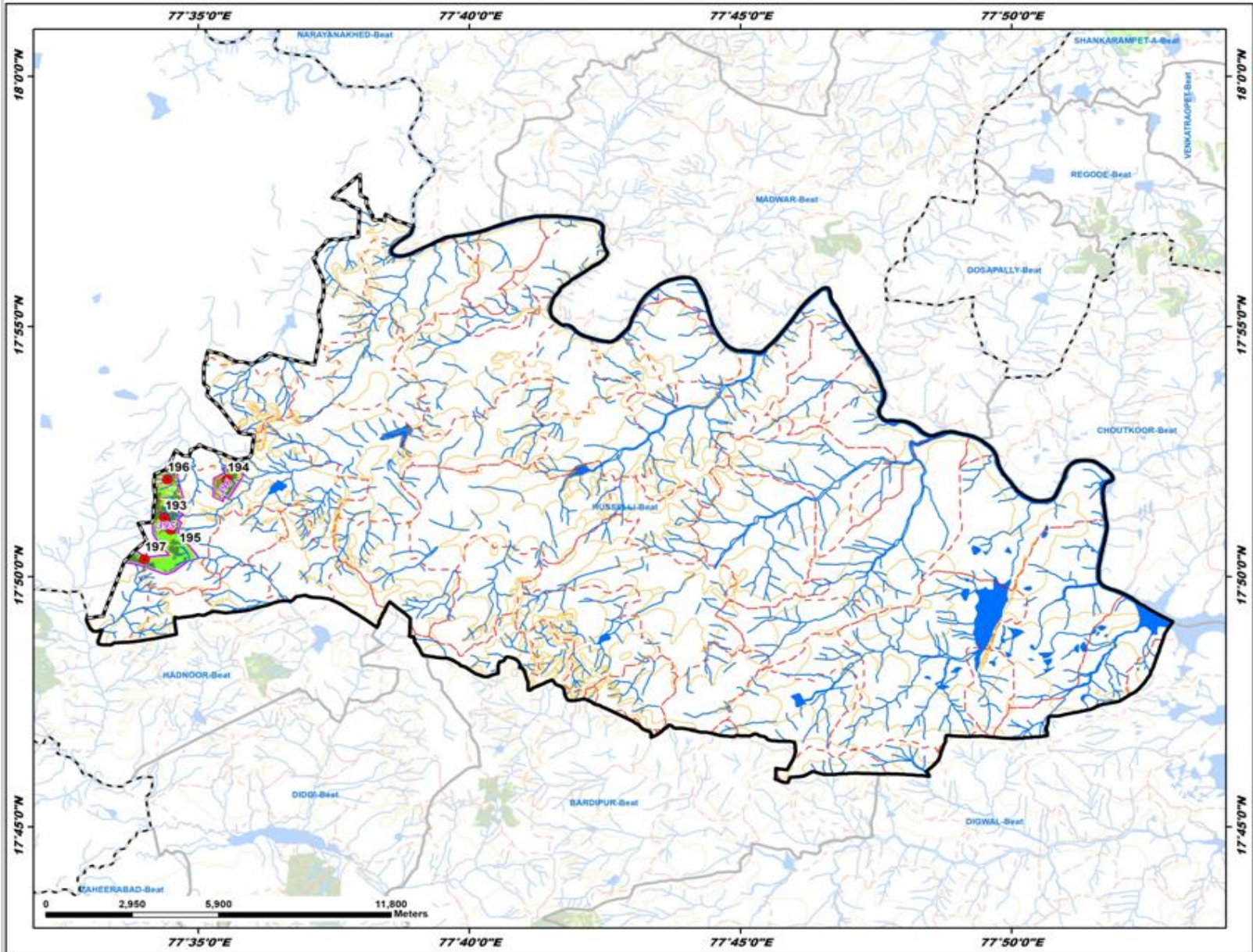
Suitability Index

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

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



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
193	17.852951	77.573054	8.71	I
194	17.865668	77.592267	15.35	I
195	17.849087	77.574925	23.91	II
196	17.865787	77.573843	23.43	II
197	17.839182	77.566780	46.90	III

LEGEND

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

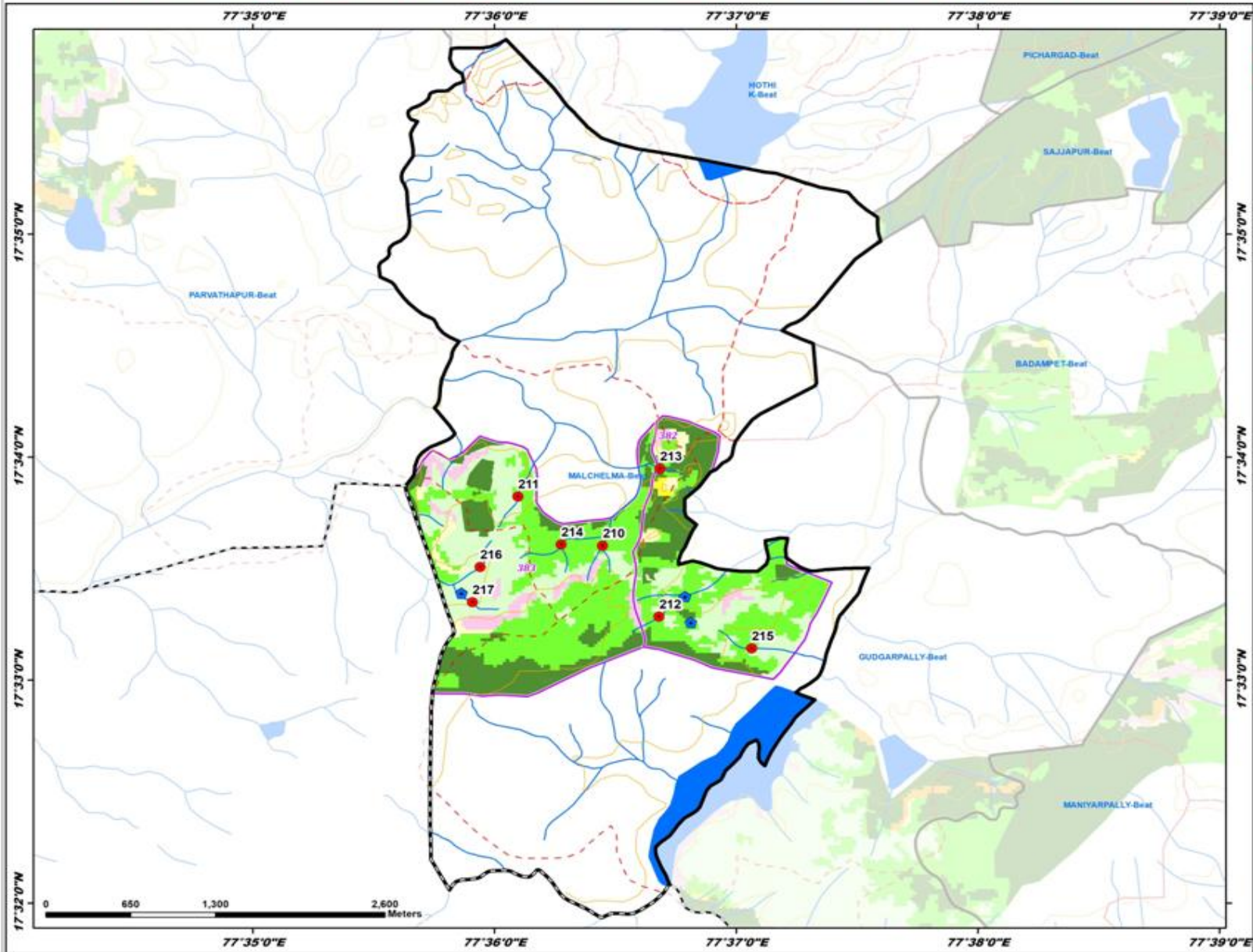
Suitability Index

- 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 Malchelma Beat



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
210	17.560049	77.607463	14.36	II
211	17.563725	77.601632	17.77	II
212	17.554751	77.613355	8.61	II
213	17.565808	77.611414	5.49	II
214	17.560544	77.606599	20.91	II
215	17.552378	77.617747	19.76	II
216	17.558450	77.599016	14.49	IV
217	17.555832	77.598473	17.27	IV

LEGEND

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

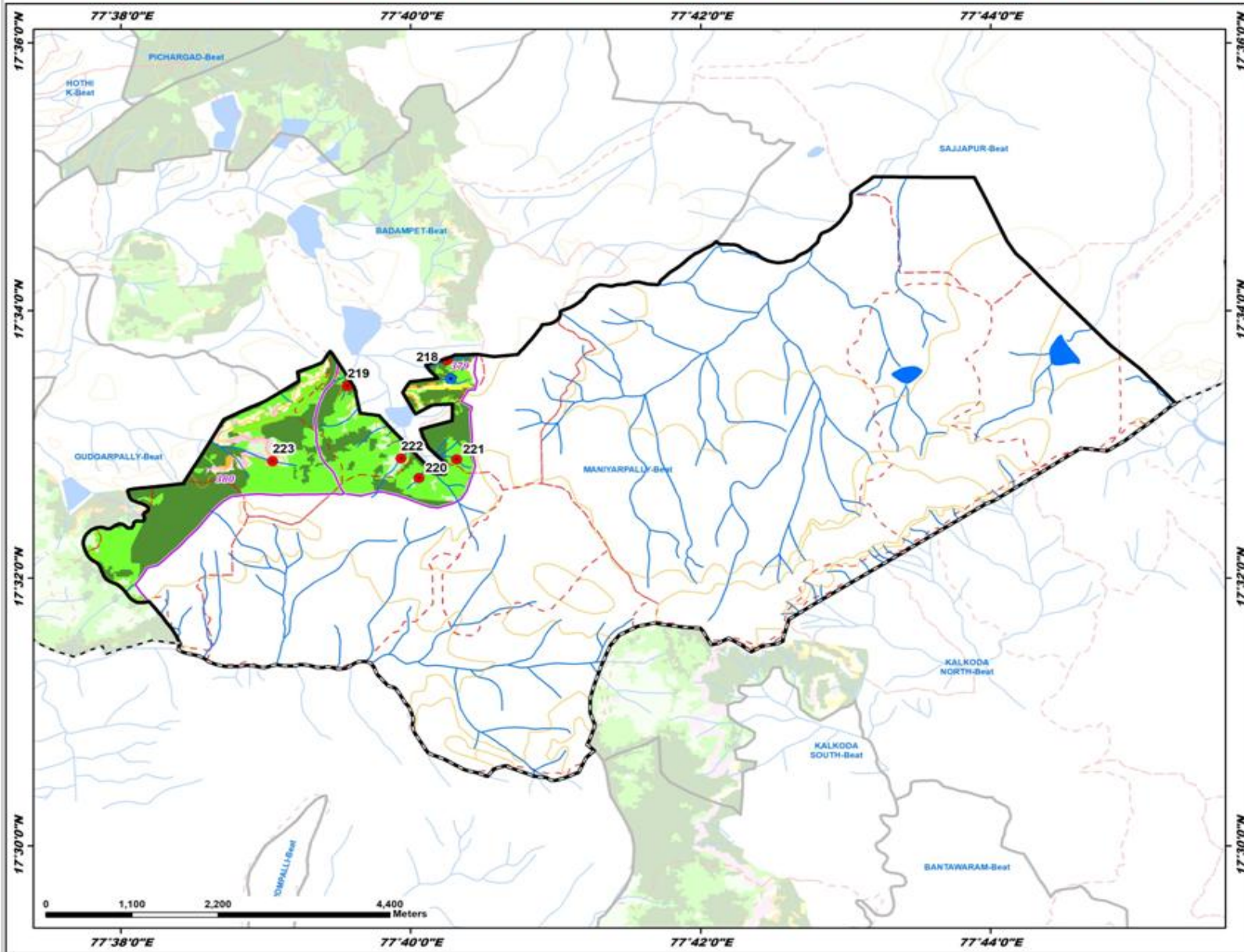
Suitability Index

- 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 Maniyarpally Beat



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
218	17.560519	77.670829	12.74	I
219	17.557314	77.659398	11.05	I
220	17.545846	77.667637	8.24	II
221	17.548161	77.671956	18.77	II
222	17.548258	77.665568	39.12	V
223	17.547927	77.650804	43.02	V

LEGEND

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

Suitability Index

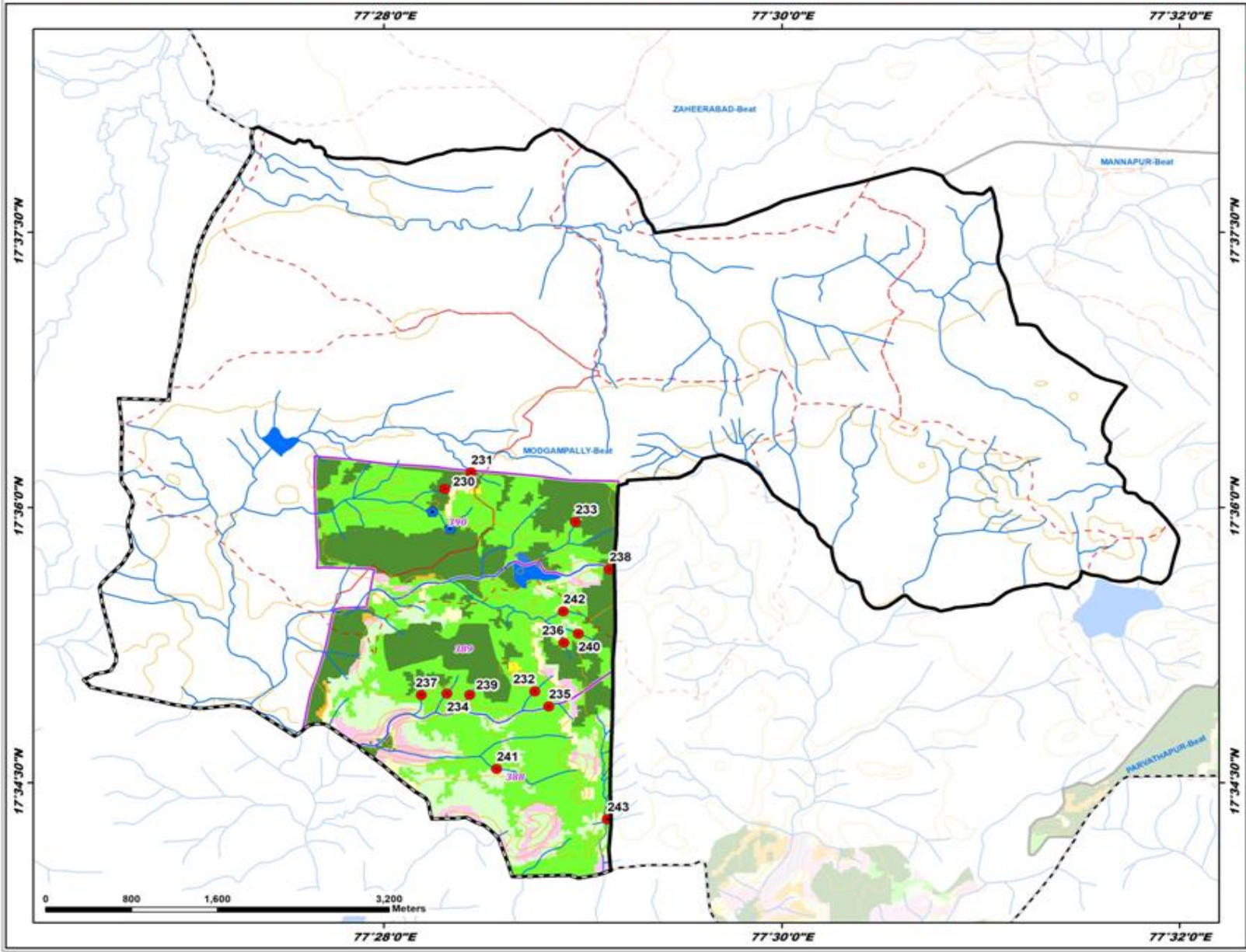
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
230	17.601691	77.471766	8.94	I
231	17.603204	77.473968	9.96	I
232	17.583311	77.479321	7.14	II
233	17.598696	77.482712	11.07	II
234	17.583203	77.471937	12.45	II
235	17.581936	77.480485	14.79	II
236	17.587733	77.481732	9.86	II
237	17.582966	77.469798	9.23	II
238	17.594385	77.485564	45.10	II
239	17.582991	77.473854	12.92	II
240	17.588544	77.482948	24.55	II
241	17.576272	77.476108	41.45	III
242	17.590571	77.481700	7.39	IV
243	17.571684	77.485377	58.36	IV

LEGEND

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

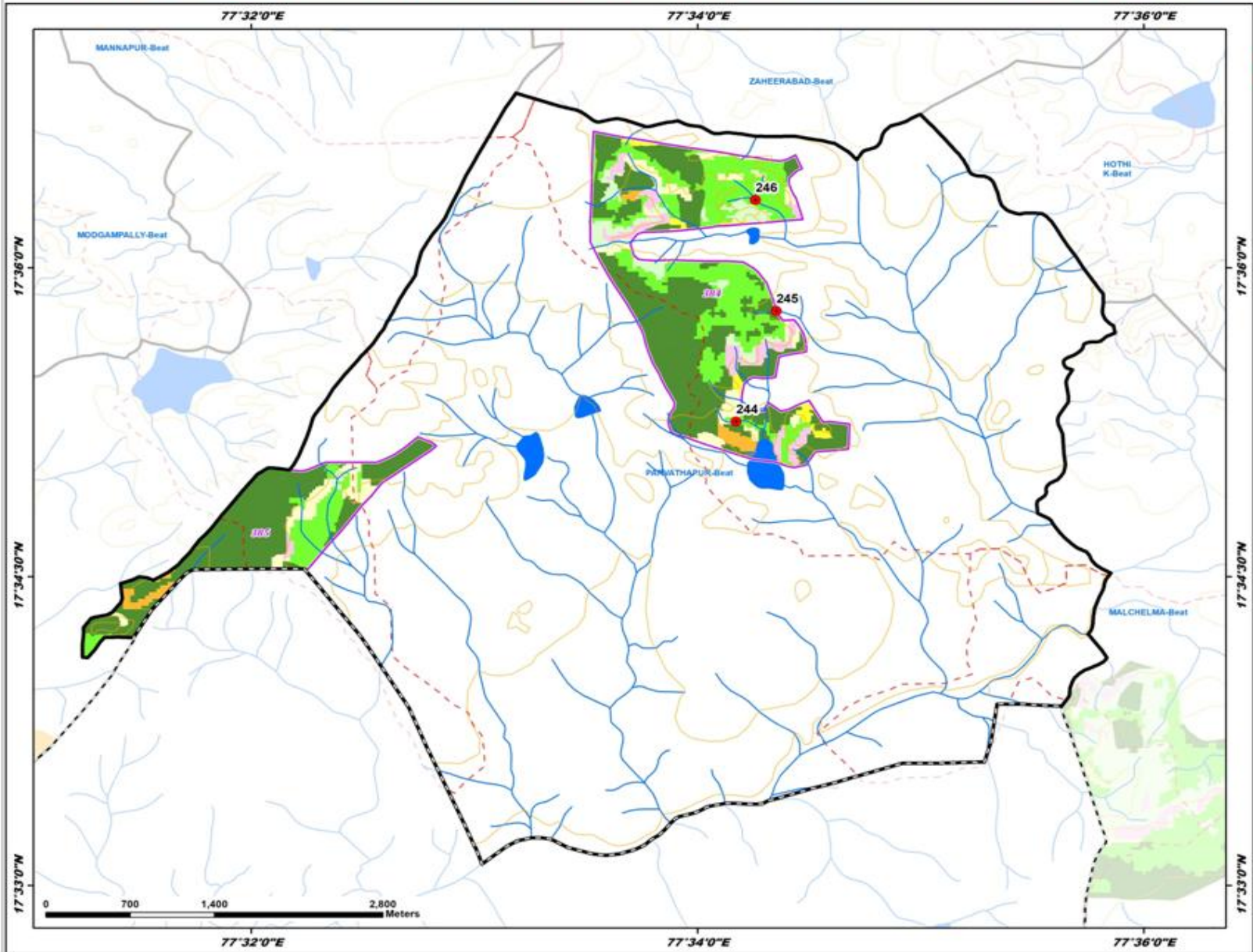
Suitability Index

- 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 Parvathapur Beat



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
244	17.587572	77.569566	5.24	I
245	17.596518	77.572565	10.99	I
246	17.605508	77.573012	20.52	II

LEGEND

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

Suitability Index

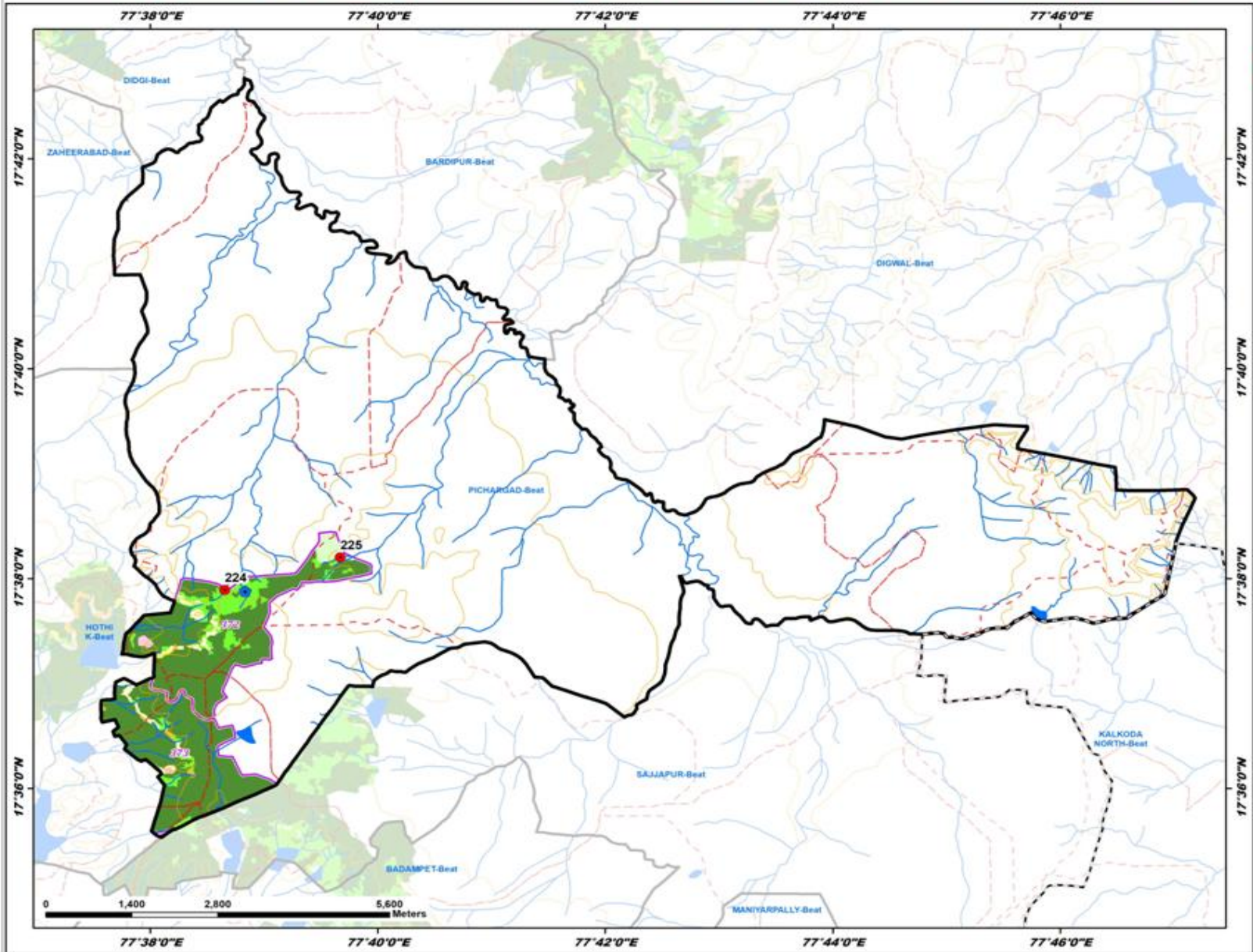
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
224	17.631532	77.644245	20.60	II
225	17.636732	77.661156	15.05	IV

LEGEND

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

Suitability Index

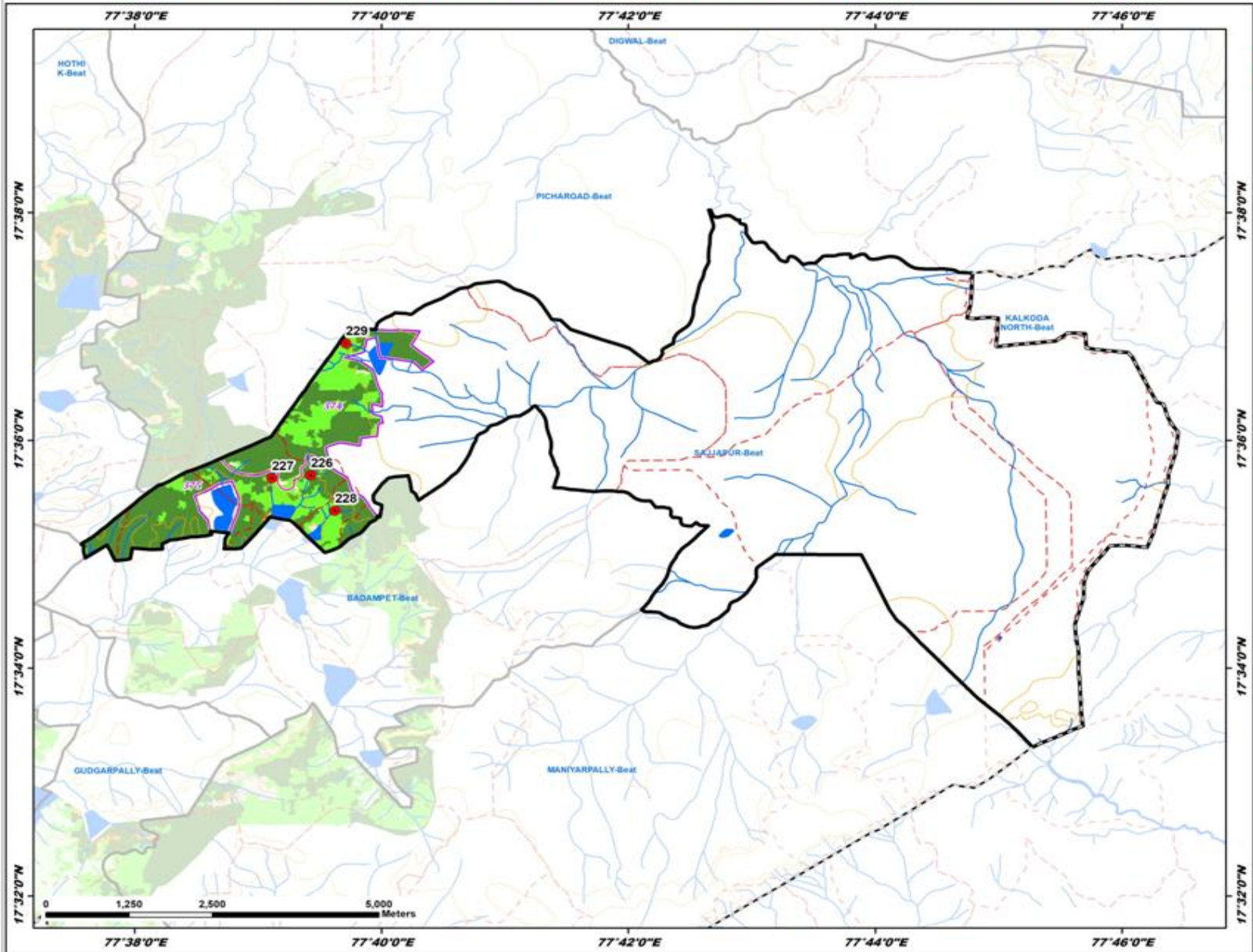
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body

0 1,400 2,800 5,600 Meters

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



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
226	17.594925	77.657124	89.77	III
227	17.594475	77.653844	49.38	III
228	17.589712	77.660389	25.54	III
229	17.614236	77.662833	68.86	IV

LEGEND

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

Suitability Index

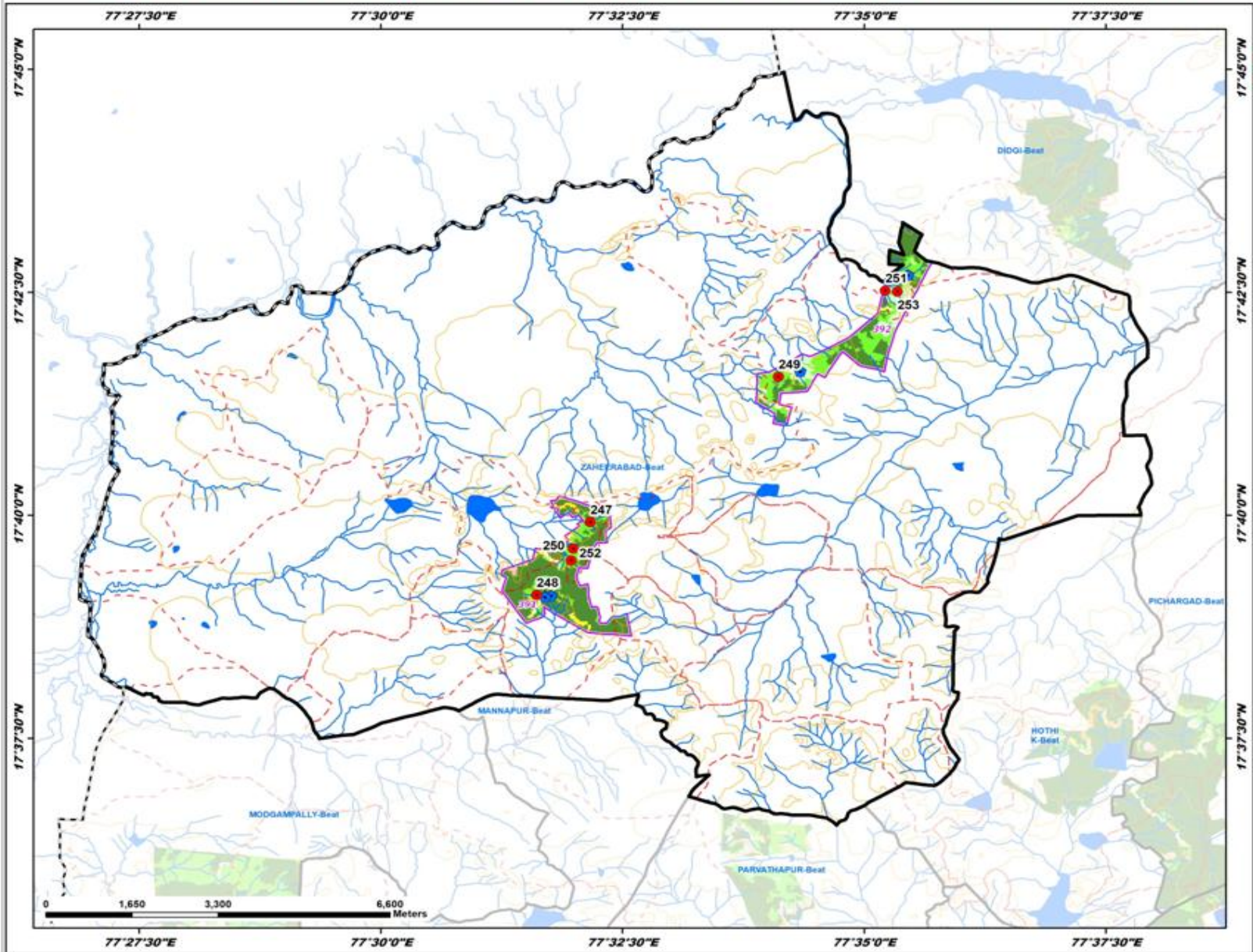
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Sangareddy
Range : Zaheerabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
247	17.665361	77.536150	23.72	I
248	17.651780	77.526876	14.60	I
249	17.692569	77.568591	12.05	II
250	17.660430	77.533228	13.18	II
251	17.708629	77.586985	20.48	II
252	17.658227	77.532847	30.28	III
253	17.708439	77.589091	13.34	IV

LEGEND

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

Suitability Index

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

