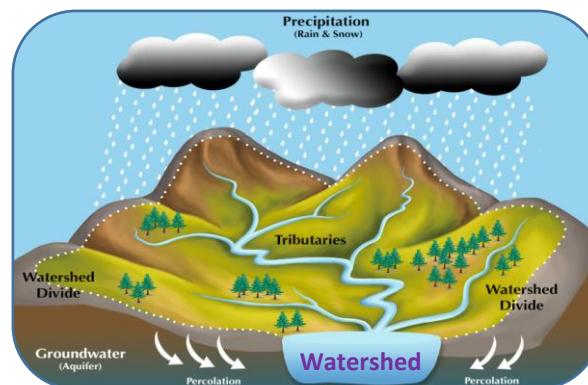


Government of Telangana – Forest Department



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

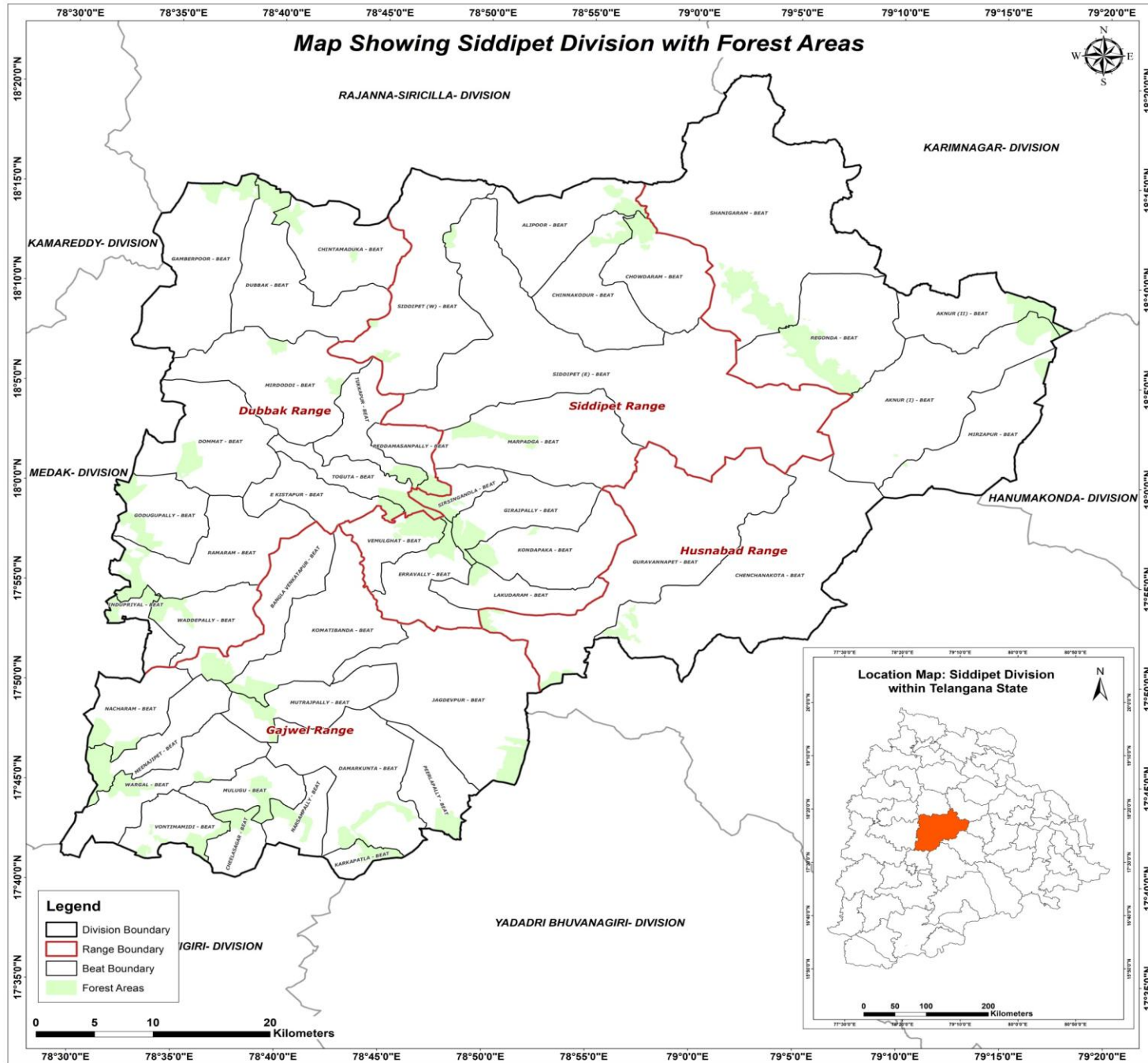


SITE SUITABILITY ANALYSIS FOR WATER HARVESTING STRUCTURES USING REMOTE SENSING & GIS

**Circle: Rajanna
District: Siddipet
Division: Siddipet**

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

Map Showing Siddipet Division with Forest Areas



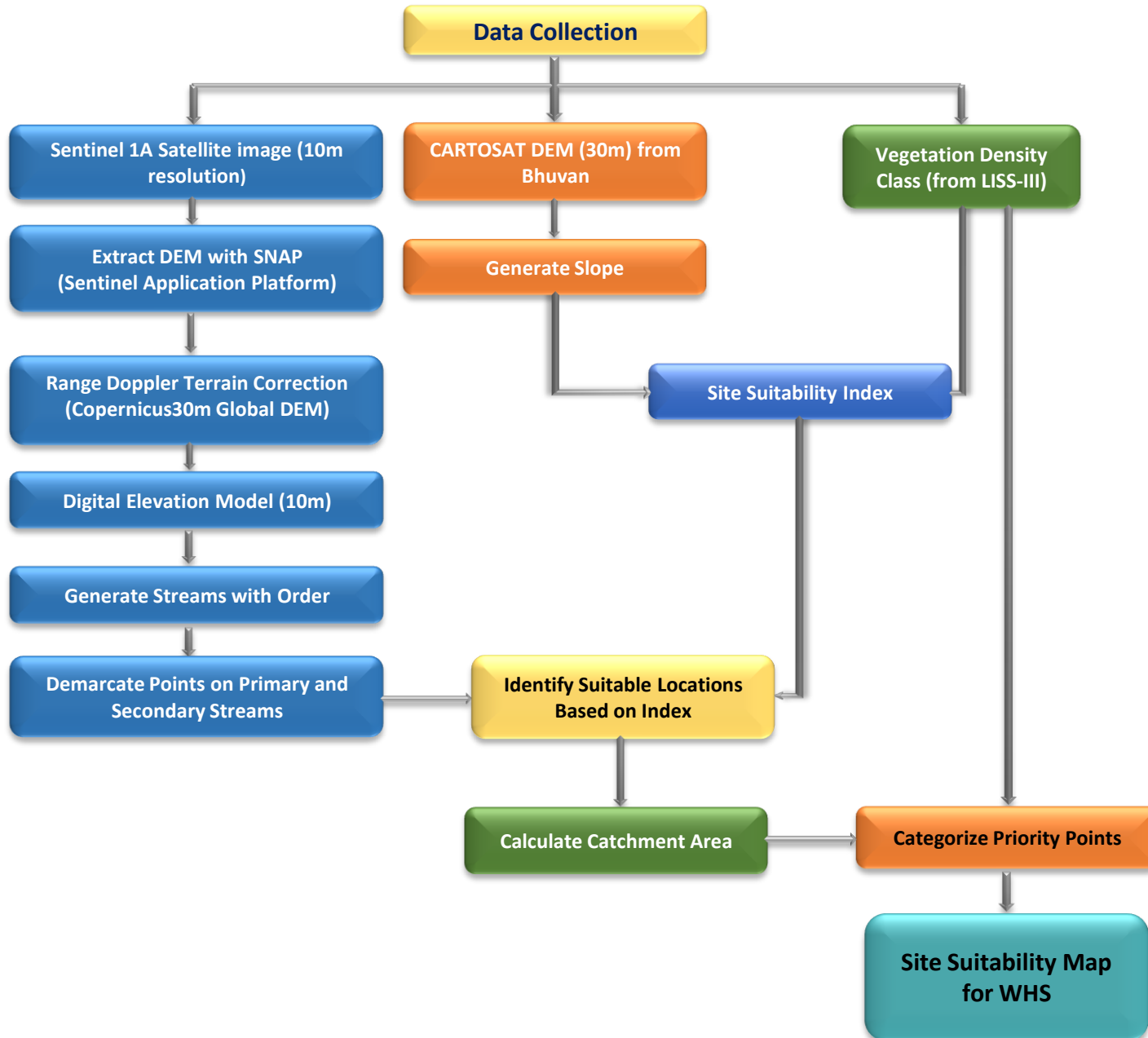
METHODOLOGY

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

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



FLOW CHART FOR METHODOLOGY



Guidelines for building Percolation Tanks:

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



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

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

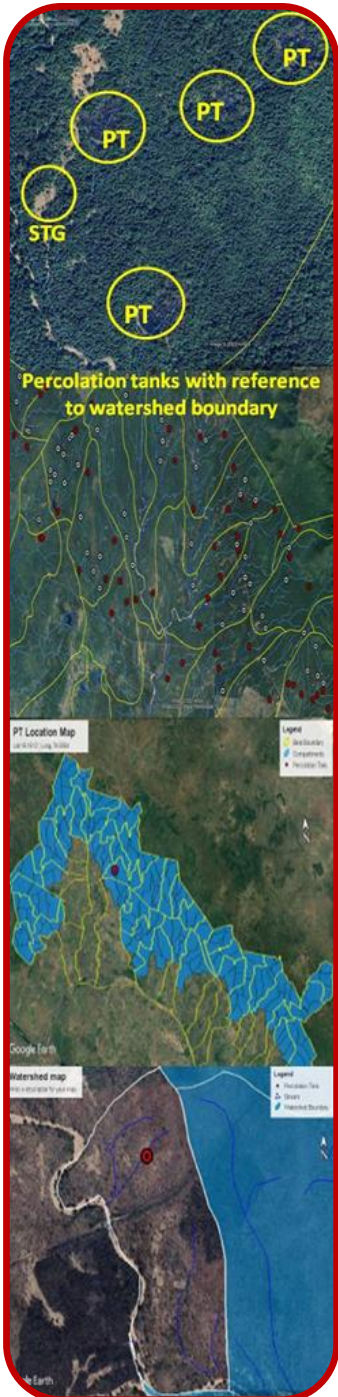
Suitability criteria for Continuous/Staggered contour trenches

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



PRIORITY CLASSES FOR PERCOLATION TANK

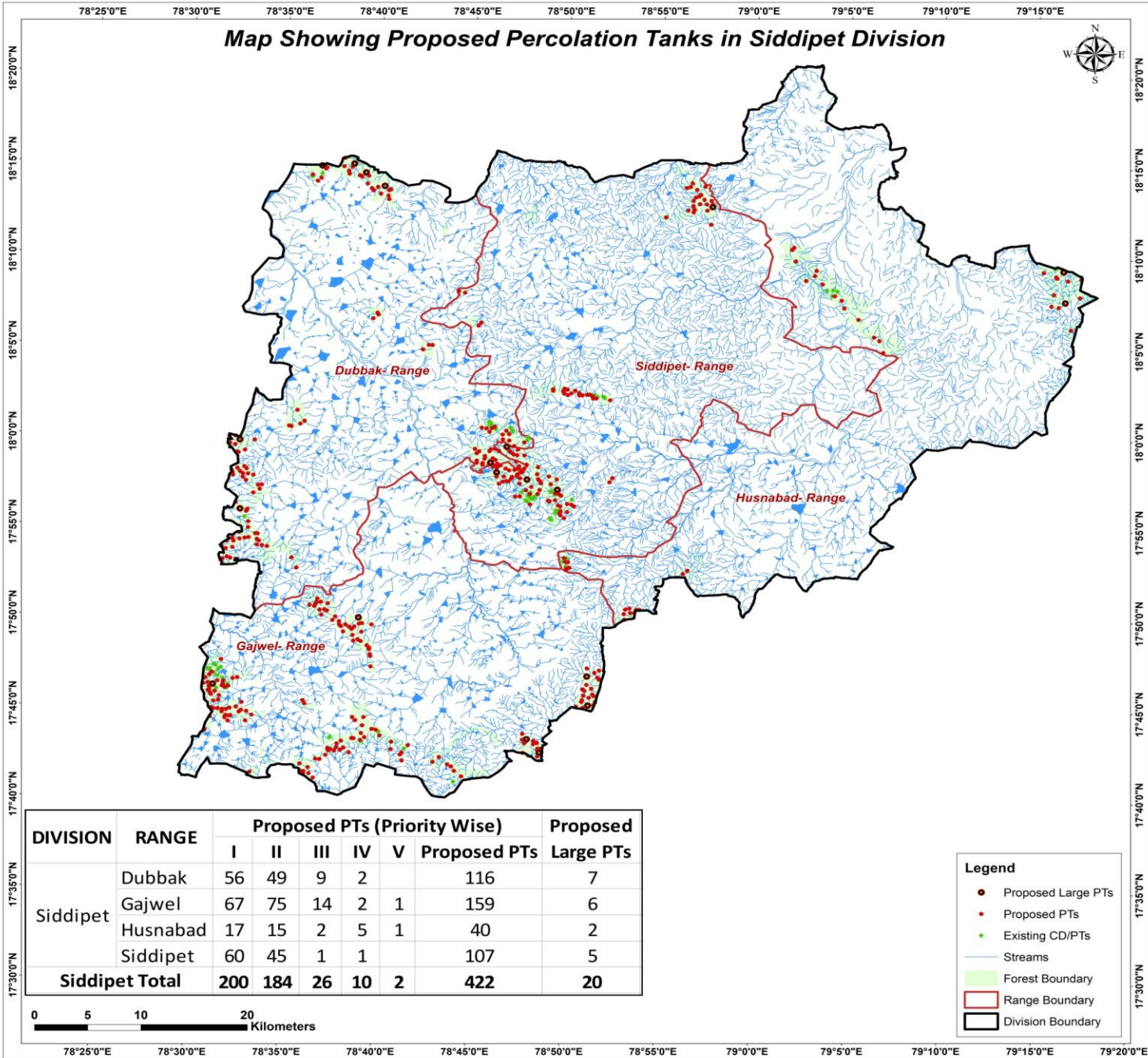
Priority	Catchment Area(Ha)	Density Class
1	0-25	Scrub
	0-25	Blank
2	0-25	Open Forest
	25-50	Blank
3	25-50	Open Forest
	>50	Scrub & blank
4	0-25	Dense Forest
	>50	Open Forest
5	25-50	Dense Forest
	>50	Dense Forest







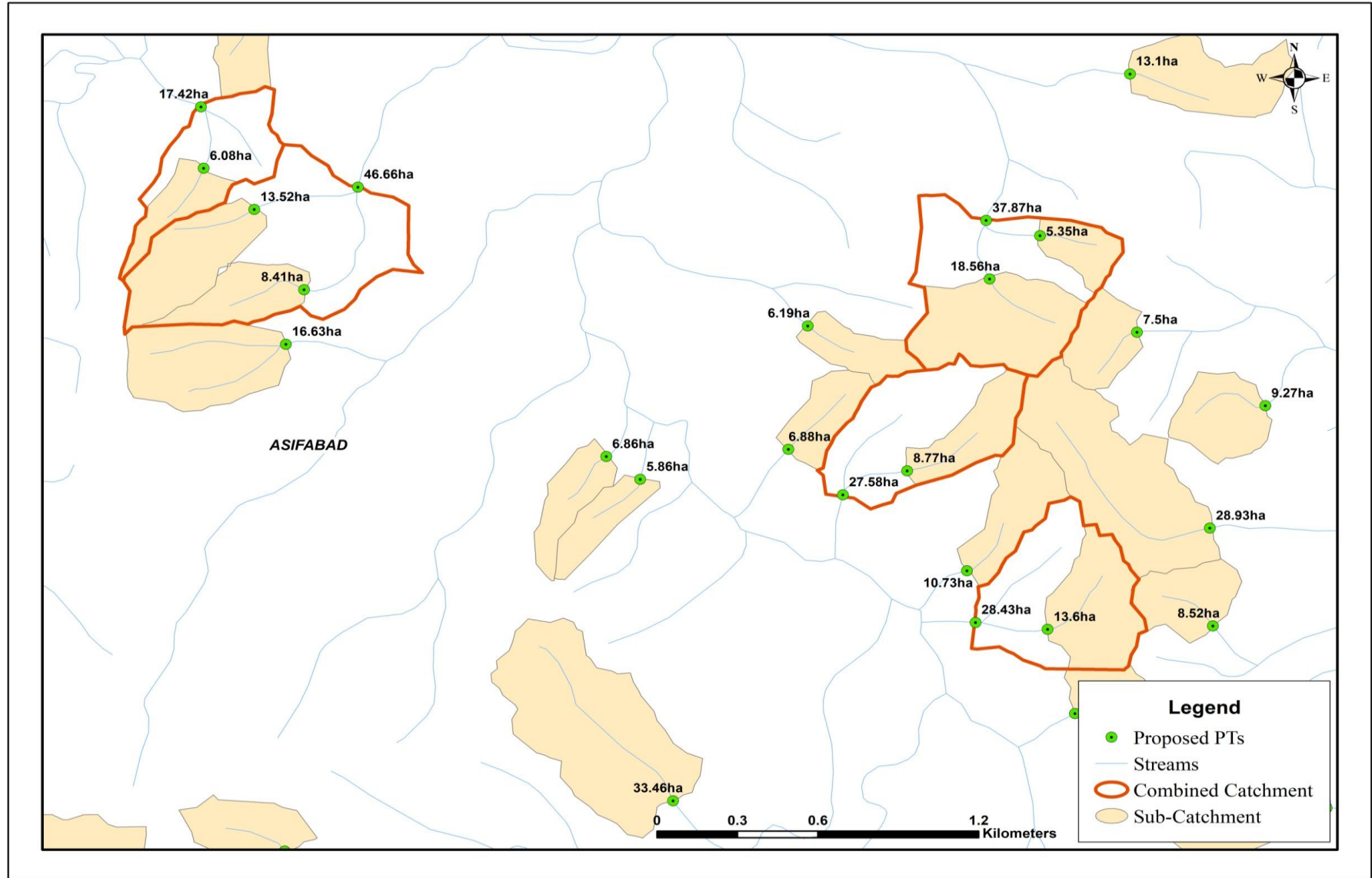
Map Showing Proposed Percolation Tanks in Siddipet Division



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



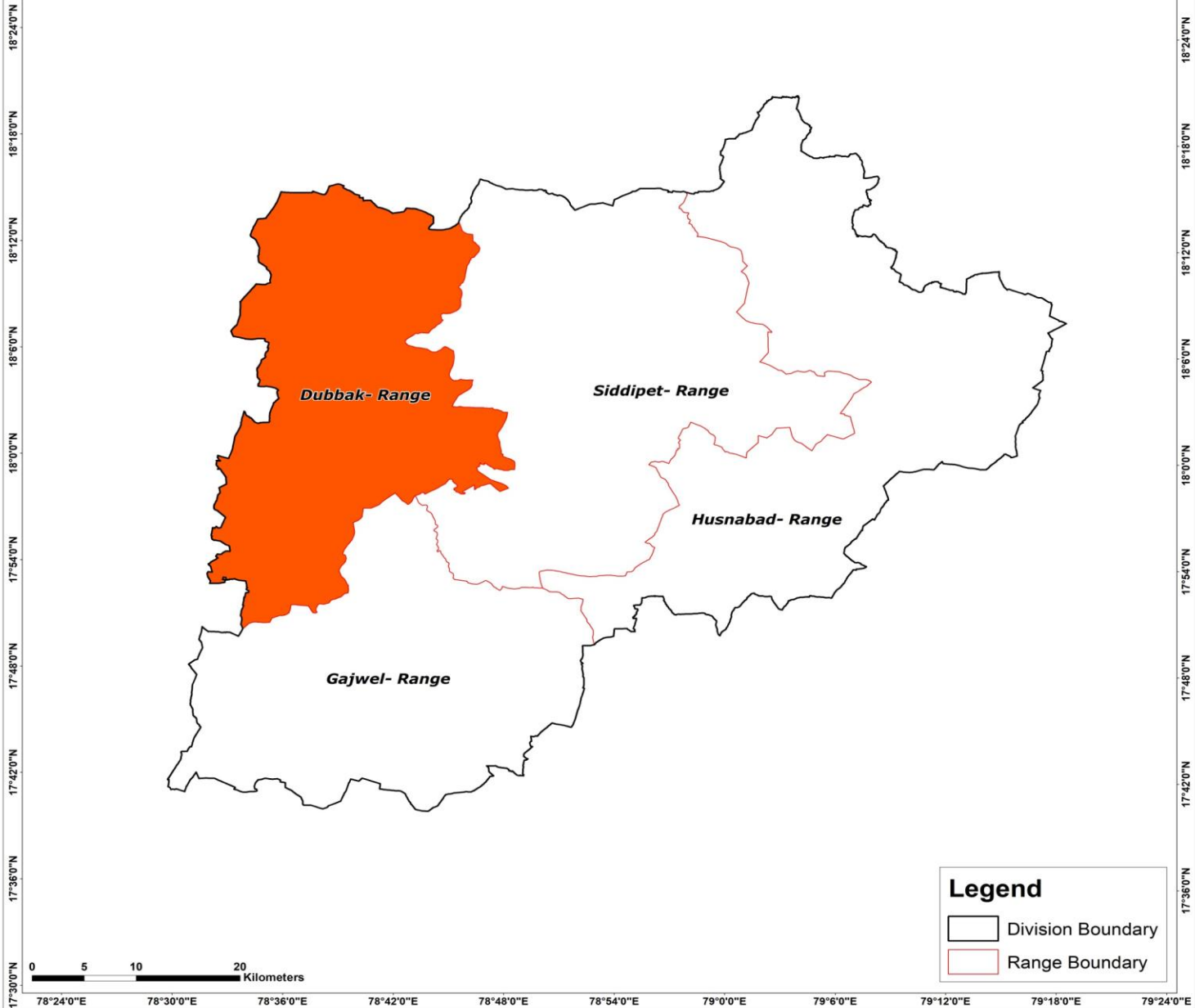
CATCHMENT AREA



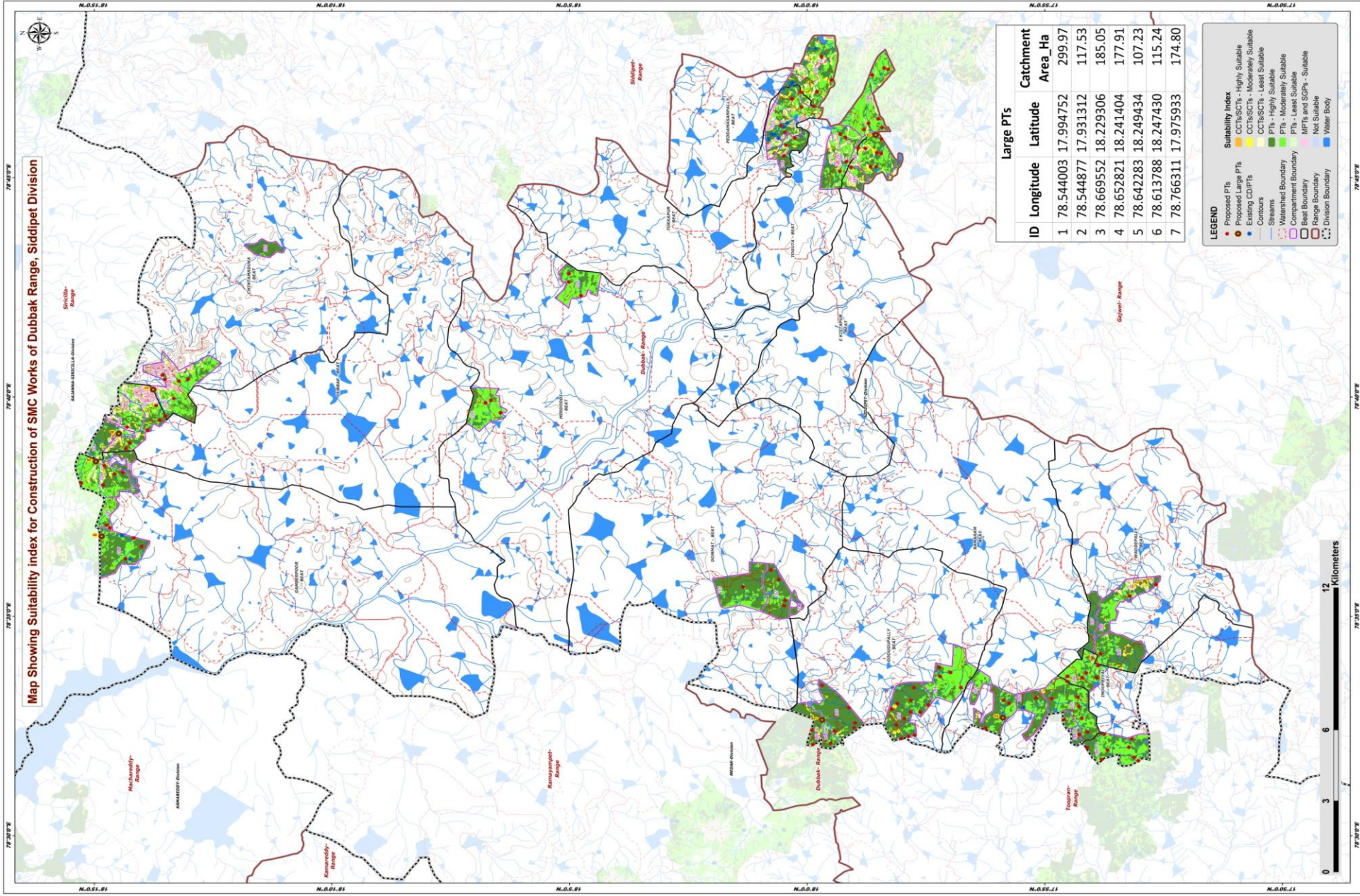
Sample Catchment Map



Map Showing Dubbak Range in Siddipet Division



Map Showing Suitability Index for Construction of SMC Works of Dubbak Range, Siddipet Division



Large PTs			
ID	Longitude	Latitude	Catchment Area_Ha
1	78.544003	17.994752	299.97
2	78.544877	17.931312	117.53
3	78.669552	18.229306	185.05
4	78.652821	18.241404	177.91
5	78.642283	18.249434	107.23
6	78.613788	18.247430	115.24
7	78.766311	17.975933	174.80

LEGEND

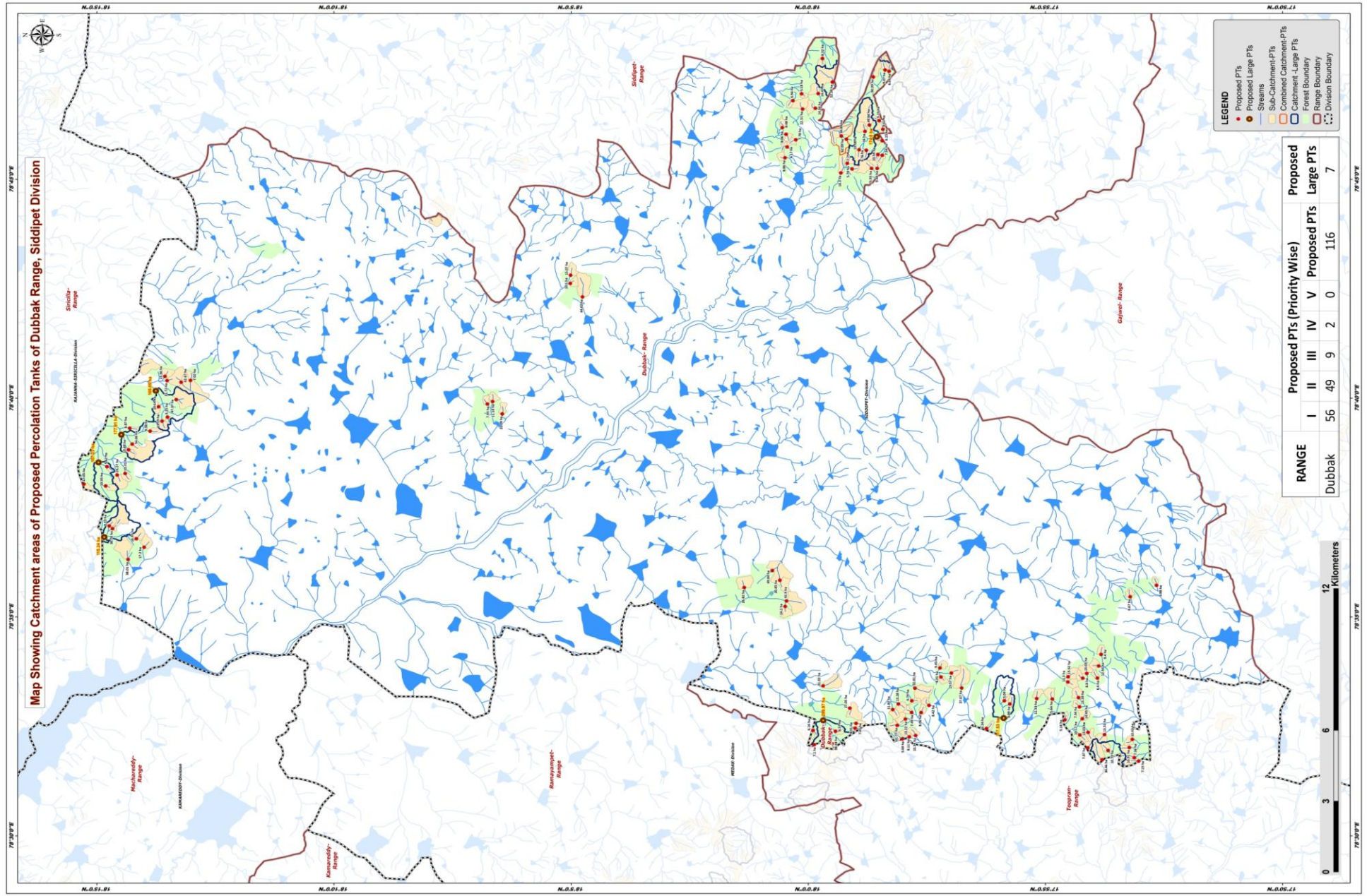
- Proposed PTs
- Existing CDPs
- Stations
- Water Body
- Watershed Boundary
- Compartiment Boundary
- Range Boundary
- Division Boundary

Suitability Index

- Highly Suitable
- Moderately Suitable
- Least Suitable
- Highly Suitable
- Least Suitable
- MPs and SGPAs - Suitable
- MPs and SGPAs - Not Suitable
- Water Body



Map Showing Catchment areas of Proposed Percolation Tanks of Dubbak Range, Siddipet 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	Proposed PTs	Large PTs
Dubbak	56	49	9	2	0	116	7



Map showing catchment areas of Proposed Percolation Tanks of Dubbak Range, Siddipet Division. The map includes a legend, a scale bar (0-12 Kilometers), a north arrow, and a table summarizing the data. The map is bounded by coordinates 76°30'00\"/>

Beat wise Abstract of Proposed PT's – Dubbak Range

S. No.	Beat	Proposed PT's
1	CHINTAMADUKA	5
2	DOMMAT	5
3	DUBBAK	7
4	E KISTAPUR	7
5	GAMBERPOOR	10
6	GODUGUPALLY	24
7	INDUPRIYAL	14
8	MIRDODDI	6
9	PEDDAMASANPALLY	4
10	RAMARAM	11
11	TOGUTA	12
12	TUKKAPUR	8
13	WADDEPALLY	3
	Total	116

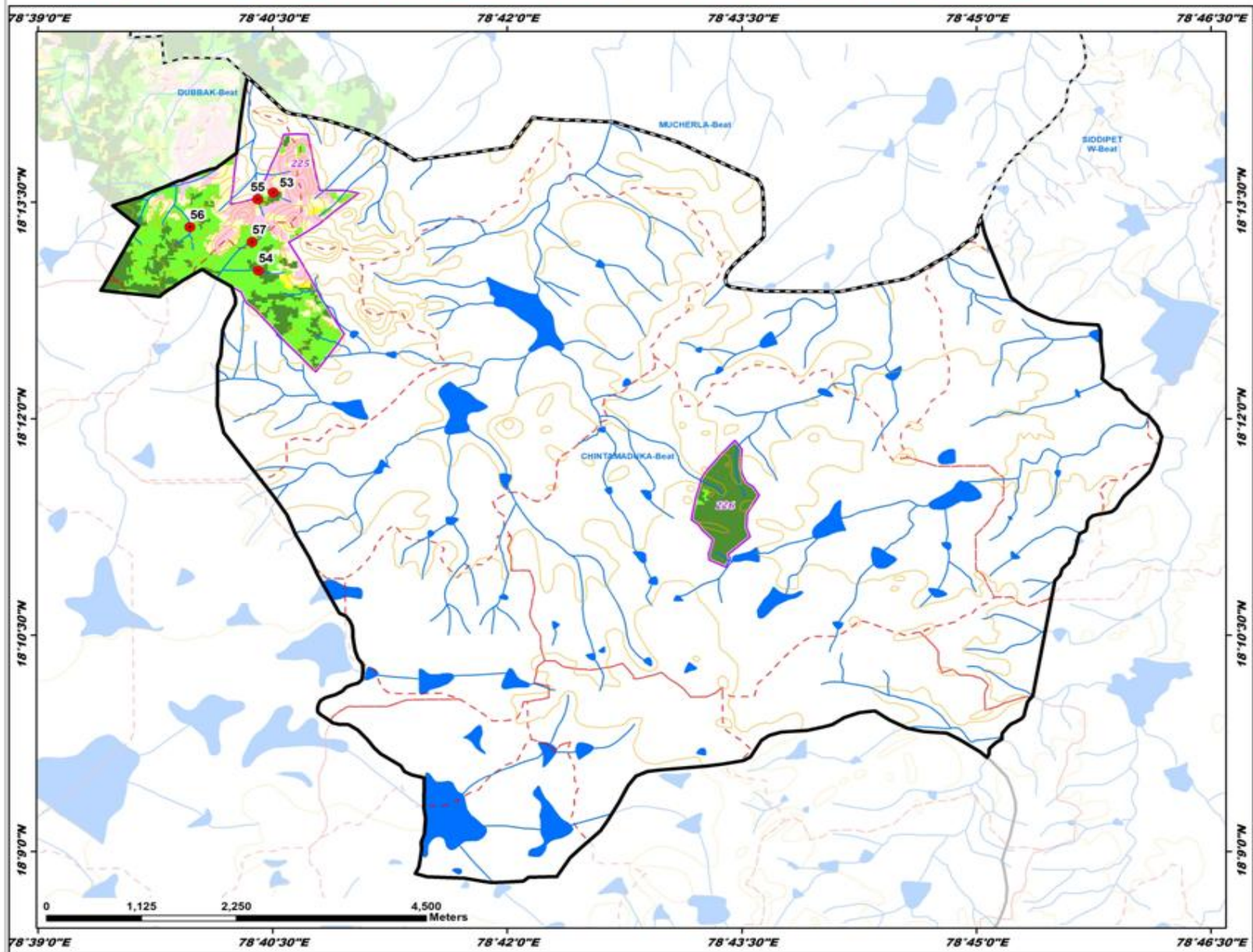
List of Proposed PTs – Dubbak Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
1	17.953358	78.560517	8.01	I	GODUGUPALLY	41	17.919730	78.552297	11.53	I	RAMARAM	81	18.110953	78.665465	11.18	II	MIRDODDI
2	17.962270	78.538241	10.58	I	GODUGUPALLY	42	17.901676	78.539446	13.03	I	RAMARAM	82	18.083635	78.710477	10.10	II	MIRDODDI
3	17.957541	78.549719	8.42	I	GODUGUPALLY	43	17.937372	78.540907	6.24	I	RAMARAM	83	18.107578	78.660753	11.09	II	MIRDODDI
4	17.953718	78.563972	9.45	I	GODUGUPALLY	44	17.931089	78.551471	5.04	I	RAMARAM	84	18.112784	78.664503	7.93	II	MIRDODDI
5	17.968322	78.550259	13.28	I	GODUGUPALLY	45	17.905027	78.552666	15.39	II	RAMARAM	85	18.079346	78.705327	44.02	III	MIRDODDI
6	17.968705	78.542123	11.77	I	GODUGUPALLY	46	17.909804	78.544191	5.18	II	RAMARAM	86	17.984608	78.754034	5.78	I	E KISTAPUR
7	17.960327	78.546978	8.06	I	GODUGUPALLY	47	17.914244	78.552136	15.64	II	RAMARAM	87	17.973988	78.759278	7.54	I	E KISTAPUR
8	17.970315	78.548134	11.82	I	GODUGUPALLY	48	17.903694	78.544638	14.45	II	RAMARAM	88	17.973990	78.764788	6.15	I	E KISTAPUR
9	17.983573	78.541044	8.01	I	GODUGUPALLY	49	17.904668	78.549147	7.34	II	RAMARAM	89	17.977781	78.754237	23.93	I	E KISTAPUR
10	17.997944	78.534740	7.10	I	GODUGUPALLY	50	17.897100	78.569136	9.40	I	WADDEPALLY	90	17.975784	78.754239	9.48	II	E KISTAPUR
11	17.963696	78.547027	7.49	I	GODUGUPALLY	51	17.877617	78.595459	5.98	I	WADDEPALLY	91	17.979597	78.761171	8.76	II	E KISTAPUR
12	17.965864	78.544498	13.22	I	GODUGUPALLY	52	17.886876	78.591105	8.67	II	WADDEPALLY	92	17.975534	78.759558	10.54	II	E KISTAPUR
13	17.983207	78.542873	7.45	I	GODUGUPALLY	53	18.226129	78.675049	13.36	I	CHINTAMADUKA	93	17.997488	78.777159	14.04	I	PEDDAMASANPALLY
14	17.964470	78.537724	8.11	I	GODUGUPALLY	54	18.217111	78.673479	7.02	II	CHINTAMADUKA	94	17.995004	78.796124	8.32	I	PEDDAMASANPALLY
15	17.966932	78.536949	5.69	I	GODUGUPALLY	55	18.225343	78.673399	31.72	III	CHINTAMADUKA	95	17.996506	78.782773	14.47	II	PEDDAMASANPALLY
16	17.998338	78.540157	6.16	I	GODUGUPALLY	56	18.222123	78.666198	47.37	III	CHINTAMADUKA	96	17.991508	78.787154	52.38	III	PEDDAMASANPALLY
17	17.963621	78.551492	6.74	I	GODUGUPALLY	57	18.220403	78.672803	62.67	IV	CHINTAMADUKA	97	17.973777	78.769154	8.61	I	TOGUTA
18	17.991705	78.535162	38.28	II	GODUGUPALLY	58	18.225199	78.659532	5.25	I	DUBBAK	98	17.986308	78.756200	7.75	I	TOGUTA
19	17.962490	78.556289	32.81	II	GODUGUPALLY	59	18.231337	78.654177	9.38	I	DUBBAK	99	17.975091	78.772442	5.23	I	TOGUTA
20	17.985402	78.548659	27.05	II	GODUGUPALLY	60	18.227107	78.657994	13.19	II	DUBBAK	100	17.982129	78.761363	13.58	I	TOGUTA
21	17.990439	78.539857	6.57	II	GODUGUPALLY	61	18.238916	78.647088	10.68	II	DUBBAK	101	17.973031	78.791746	9.07	II	TOGUTA
22	17.994804	78.557130	31.02	II	GODUGUPALLY	62	18.228313	78.663496	10.14	II	DUBBAK	102	17.978512	78.770777	49.66	II	TOGUTA
23	17.949735	78.562033	15.57	II	GODUGUPALLY	63	18.238493	78.655284	6.87	II	DUBBAK	103	17.980074	78.768382	16.00	II	TOGUTA
24	17.946112	78.556367	37.67	III	GODUGUPALLY	64	18.237622	78.649247	54.06	III	DUBBAK	104	17.971612	78.791239	6.05	II	TOGUTA
25	17.908781	78.558627	13.30	I	INDUPRIYAL	65	18.246953	78.633278	10.35	I	GAMBERPOOR	105	17.988561	78.752535	18.30	II	TOGUTA
26	17.903536	78.560092	8.80	I	INDUPRIYAL	66	18.233405	78.609936	17.20	I	GAMBERPOOR	106	17.988409	78.766619	34.89	III	TOGUTA
27	17.898381	78.560107	6.60	I	INDUPRIYAL	67	18.245696	78.618054	9.33	I	GAMBERPOOR	107	17.977158	78.789096	30.39	III	TOGUTA
28	17.897931	78.564710	12.54	I	INDUPRIYAL	68	18.236164	78.613203	16.97	I	GAMBERPOOR	108	17.986625	78.765406	62.09	IV	TOGUTA
29	17.901765	78.533557	7.87	I	INDUPRIYAL	69	18.240084	78.638057	10.31	I	GAMBERPOOR	109	18.007825	78.767265	8.06	I	TUKKAPUR
30	17.908673	78.560625	15.32	II	INDUPRIYAL	70	18.242913	78.637465	23.27	II	GAMBERPOOR	110	18.004395	78.765186	7.78	I	TUKKAPUR
31	17.886094	78.536771	10.42	II	INDUPRIYAL	71	18.244536	78.617038	38.78	II	GAMBERPOOR	111	18.002385	78.782663	5.18	I	TUKKAPUR
32	17.885395	78.529793	7.36	II	INDUPRIYAL	72	18.246492	78.640655	5.62	II	GAMBERPOOR	112	18.009128	78.769769	8.48	I	TUKKAPUR
33	17.887155	78.533672	10.91	II	INDUPRIYAL	73	18.239043	78.605316	38.01	II	GAMBERPOOR	113	18.008149	78.758306	8.86	I	TUKKAPUR
34	17.883903	78.528468	7.15	II	INDUPRIYAL	74	18.254596	78.634005	17.05	II	GAMBERPOOR	114	18.007437	78.762444	6.17	II	TUKKAPUR
35	17.902127	78.561873	15.03	II	INDUPRIYAL	75	18.009992	78.597388	20.85	I	DOMMAT	115	18.005399	78.780104	6.94	II	TUKKAPUR
36	17.894636	78.532544	10.73	II	INDUPRIYAL	76	18.008132	78.587423	14.20	I	DOMMAT	116	18.001976	78.776875	22.31	II	TUKKAPUR
37	17.895868	78.538625	13.52	II	INDUPRIYAL	77	18.012654	78.601092	49.84	II	DOMMAT						
38	17.896741	78.529025	30.46	III	INDUPRIYAL	78	18.022521	78.594591	26.82	II	DOMMAT						
39	17.929157	78.550239	8.89	I	RAMARAM	79	18.007657	78.589526	42.90	II	DOMMAT						
40	17.904555	78.538456	10.17	I	RAMARAM	80	18.083555	78.713590	15.07	I	MIRDODDI						

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



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
53	18.226129	78.675040	13.96	I
54	18.217111	78.673479	7.02	II
55	18.225343	78.673399	31.72	III
56	18.222123	78.666198	47.37	III
57	18.220403	78.672803	62.67	IV

LEGEND

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

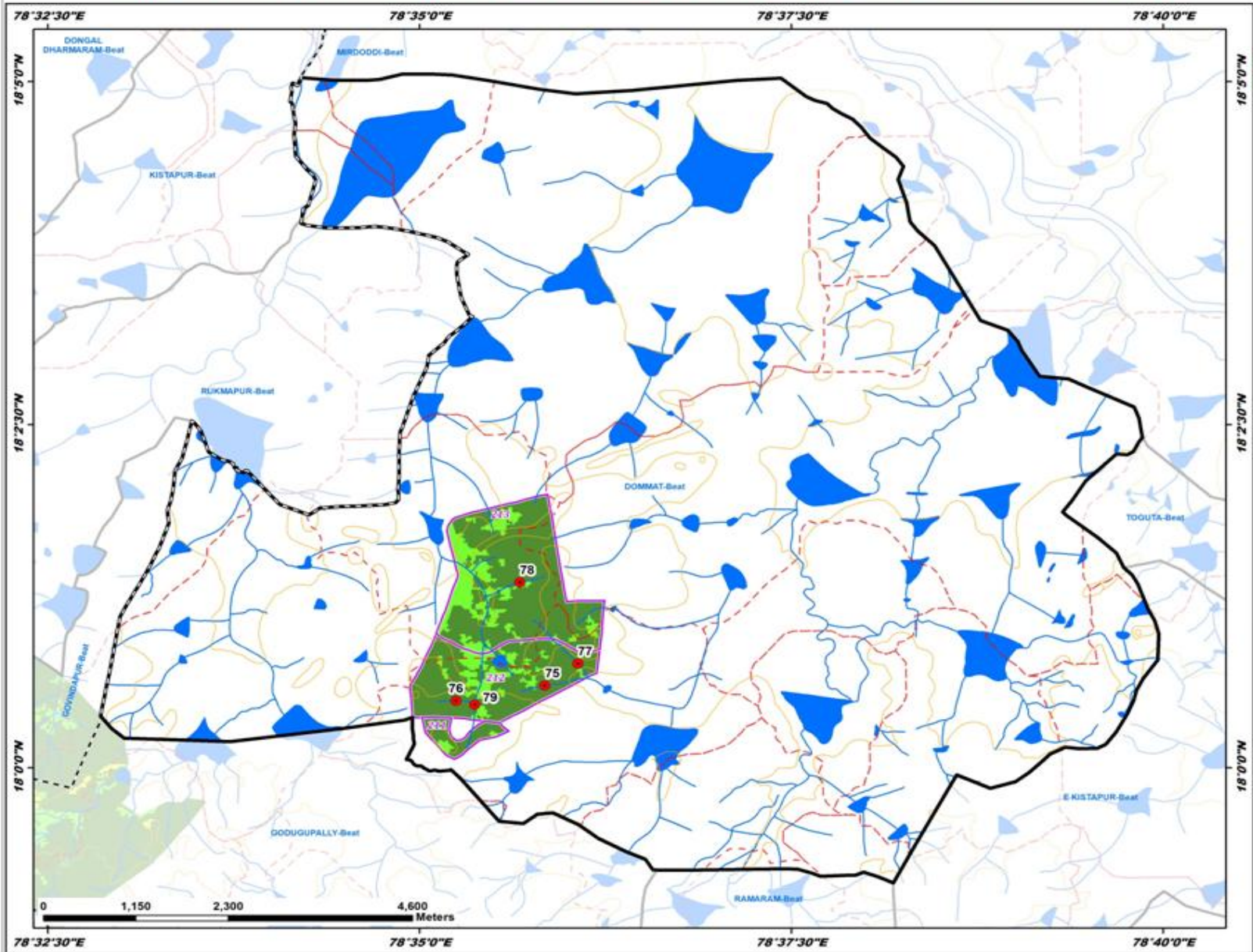
Suitability Index

- 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 Dommat Beat



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
75	18.009992	78.597388	20.85	I
76	18.008132	78.587423	14.20	I
77	18.012654	78.601092	49.84	II
78	18.022521	78.594591	26.82	II
79	18.007657	78.589526	42.90	II

LEGEND

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

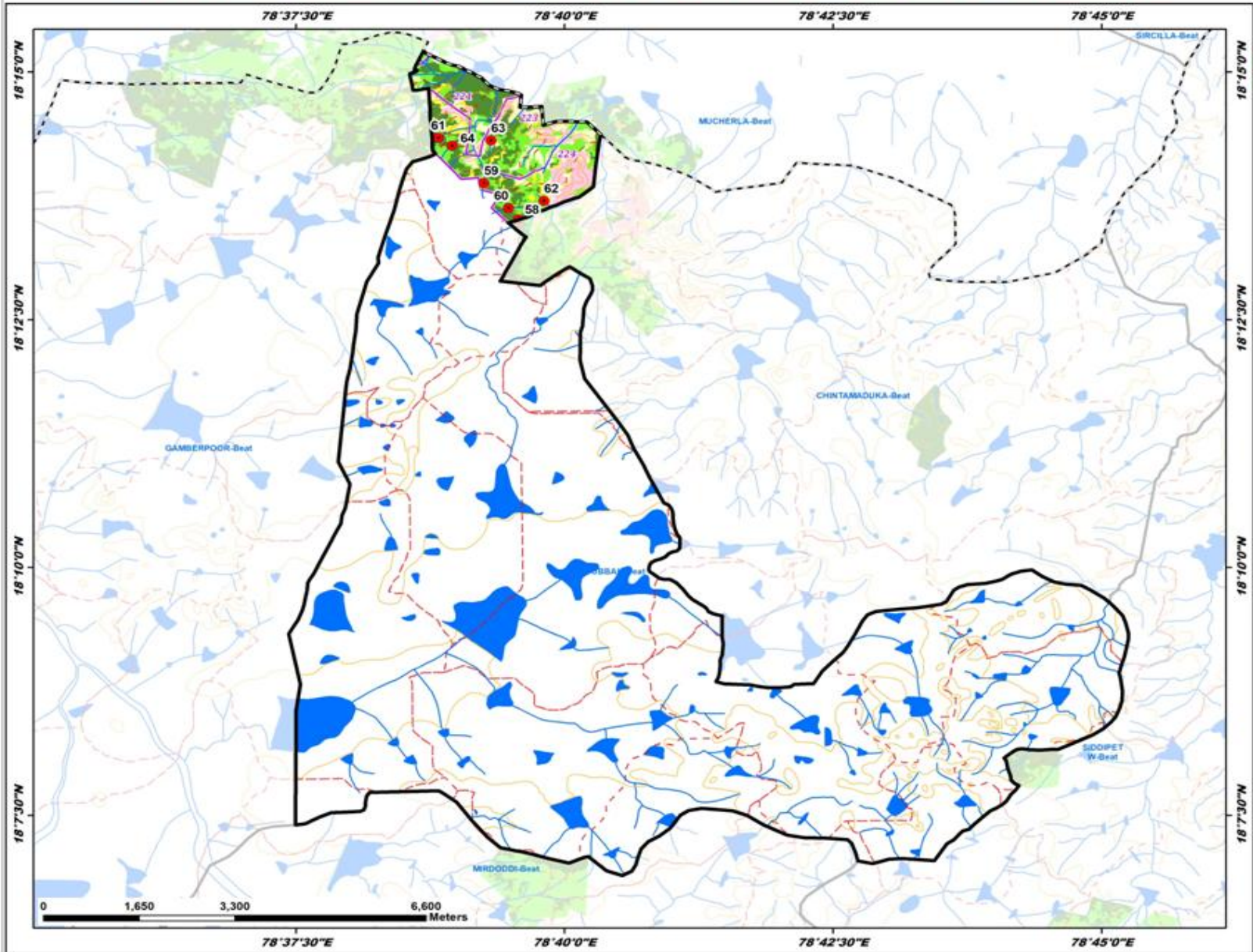
Suitability Index

- 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 Dubbak Beat



Division : Siddipet
Range : Dubbak



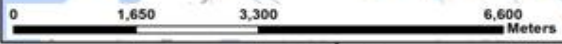
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
58	18.225199	78.659532	5.25	I
59	18.231337	78.654177	9.38	I
60	18.227107	78.657994	13.19	II
61	18.238916	78.647088	10.68	II
62	18.228313	78.663496	10.14	II
63	18.238493	78.655284	6.87	II
64	18.237622	78.649247	54.06	III

LEGEND

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

Suitability Index

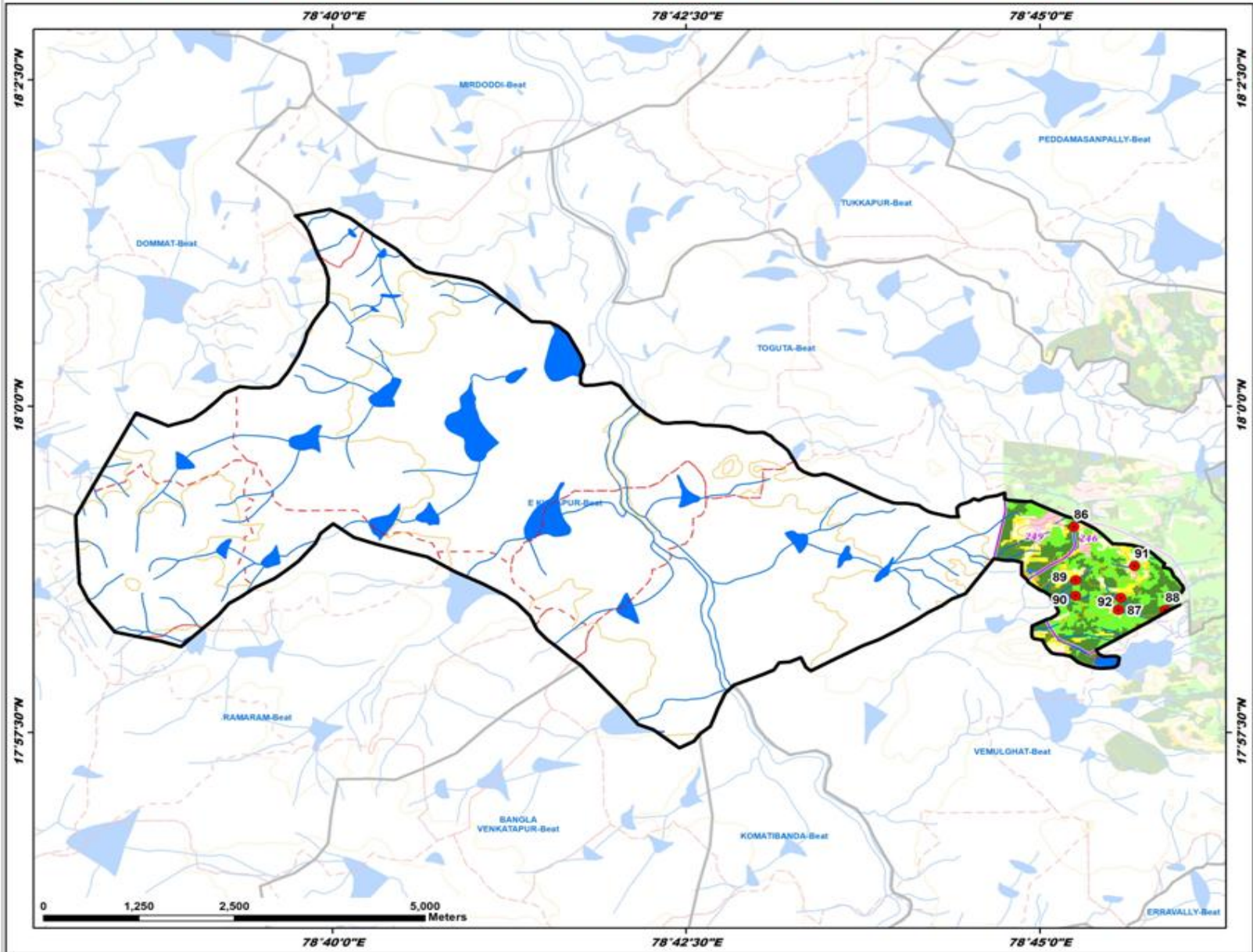
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability Index for Construction of SMC Works of E Kistapur Beat



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
86	17.984608	78.754034	5.78	I
87	17.979888	78.759278	7.54	I
88	17.979990	78.764788	6.15	I
89	17.977281	78.754237	23.93	I
90	17.975784	78.754239	9.48	II
91	17.979997	78.761171	8.76	II
92	17.975534	78.759558	10.54	II

LEGEND

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

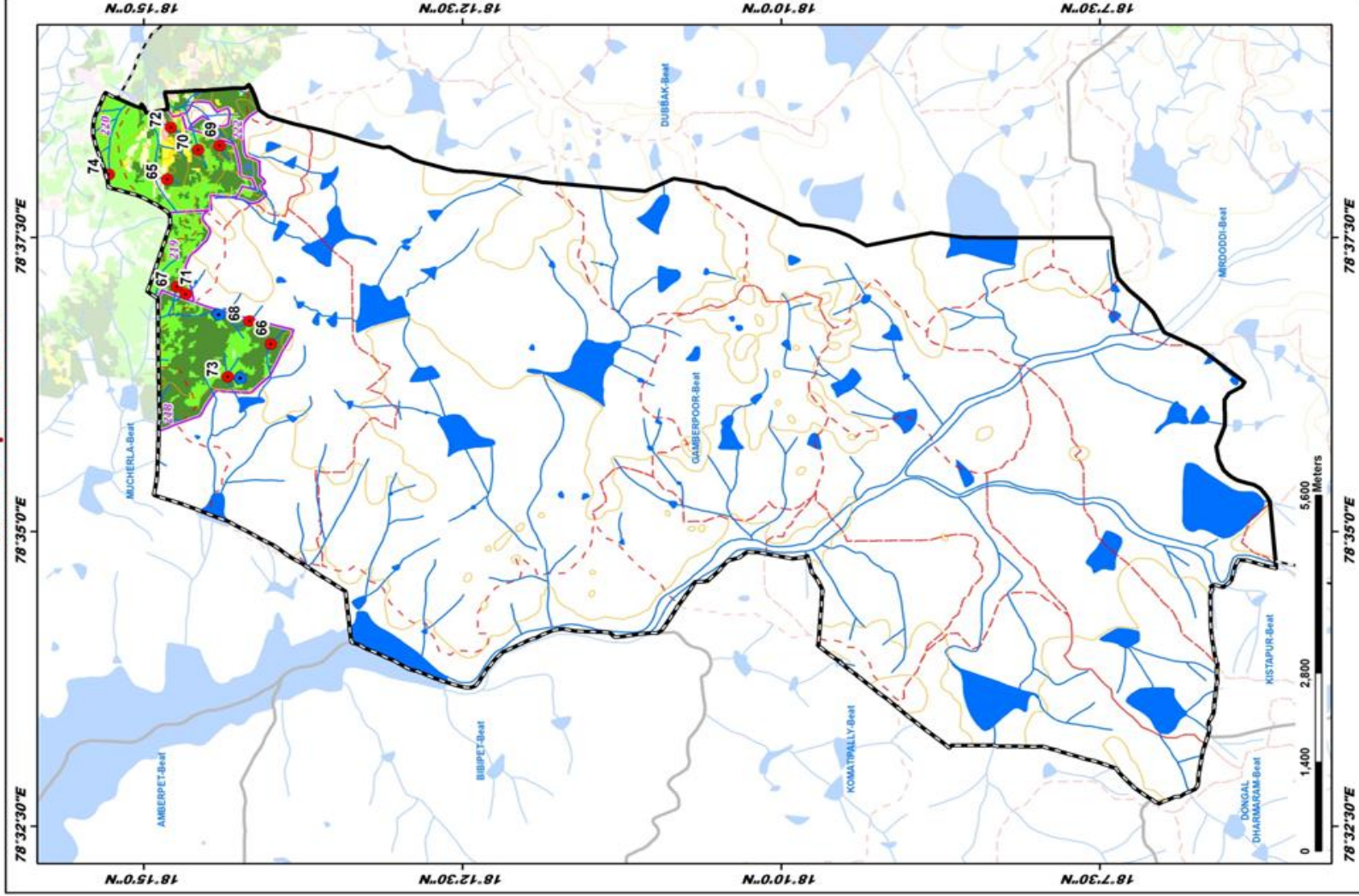
Suitability Index

- 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 Gamberpoor Beat



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
65	18.246953	78.633278	10.35	I
66	18.233405	78.609936	17.20	I
67	18.245694	78.618054	9.33	I
68	18.236164	78.633203	16.97	I
69	18.240084	78.630057	10.31	I
70	18.242013	78.637465	23.27	II
71	18.244036	78.637038	36.78	II
72	18.246492	78.640655	5.62	II
73	18.239543	78.605316	38.01	II
74	18.254096	78.634005	17.06	II

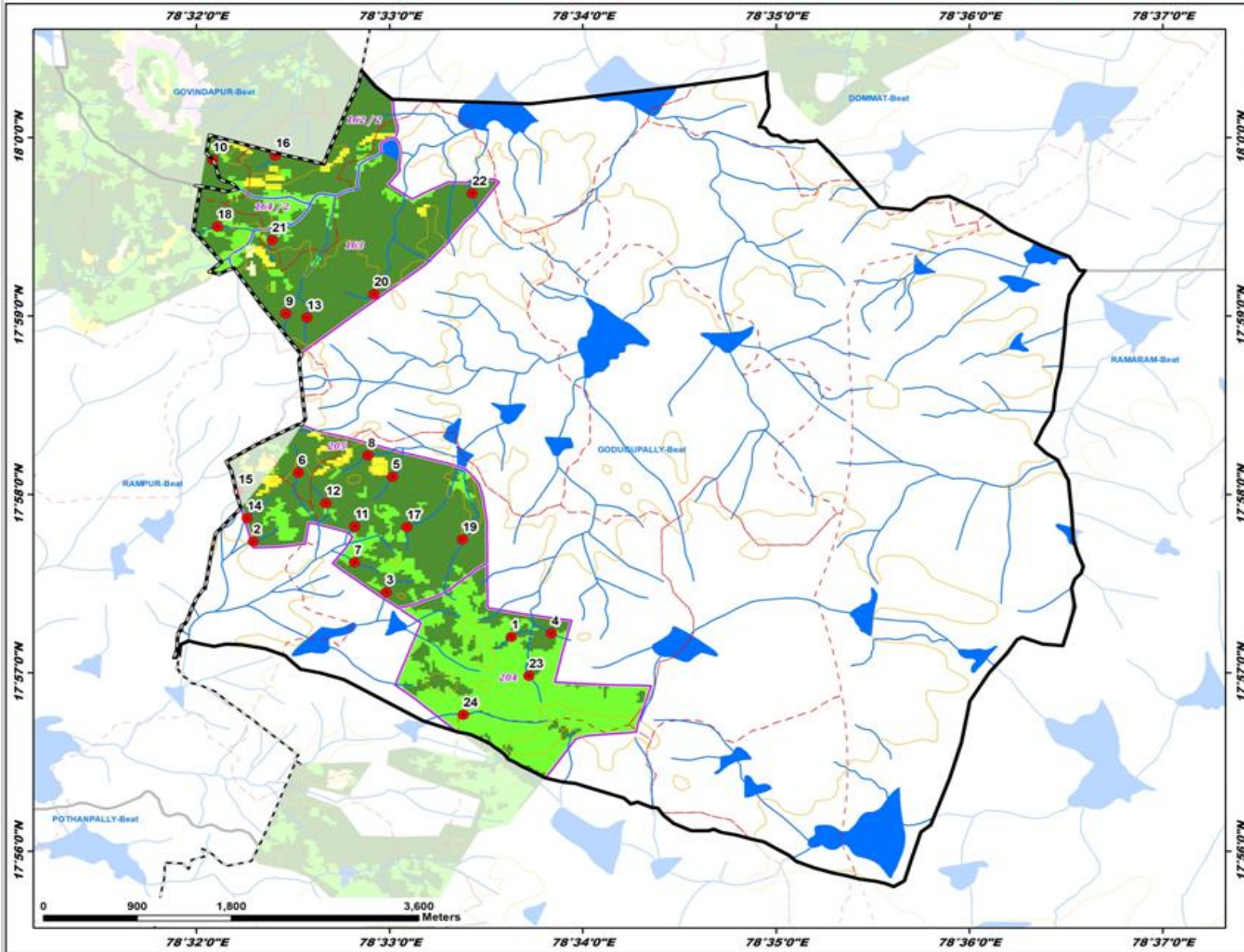
LEGEND

- Proposed P/Ts
 - Existing CD/P/Ts
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
- Suitability Index**
- CCTs/SC/Ts - Highly Suitable
 - CCTs/SC/Ts - Moderately Suitable
 - CCTs/SC/Ts - Least Suitable
 - P/Ts - Highly Suitable
 - P/Ts - Moderately Suitable
 - P/Ts - Least Suitable
 - MPTs and SGPts - Suitable
 - Not Suitable
 - Water Body

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



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
1	17.953358	78.560517	8.01	I
2	17.962270	78.538241	10.58	I
3	17.957541	78.549719	8.42	I
4	17.953718	78.563972	9.45	I
5	17.968322	78.550259	13.28	I
6	17.968705	78.542123	11.77	I
7	17.960327	78.546978	8.06	I
8	17.970315	78.548134	11.82	I
9	17.983573	78.541044	8.01	I
10	17.997944	78.534740	7.10	I
11	17.963696	78.547027	7.49	I
12	17.965864	78.544498	13.22	I
13	17.983207	78.542873	7.45	I
14	17.964470	78.537724	8.11	I
15	17.966932	78.536949	5.69	I
16	17.998338	78.540157	6.16	I
17	17.963621	78.551492	6.74	I
18	17.991705	78.535162	38.28	II
19	17.962490	78.556289	32.81	II
20	17.985402	78.548659	27.05	II
21	17.990439	78.539857	6.57	II
22	17.994804	78.557130	31.02	II
23	17.949795	78.562033	15.57	II
24	17.946112	78.556367	37.67	III

LEGEND

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

Suitability Index

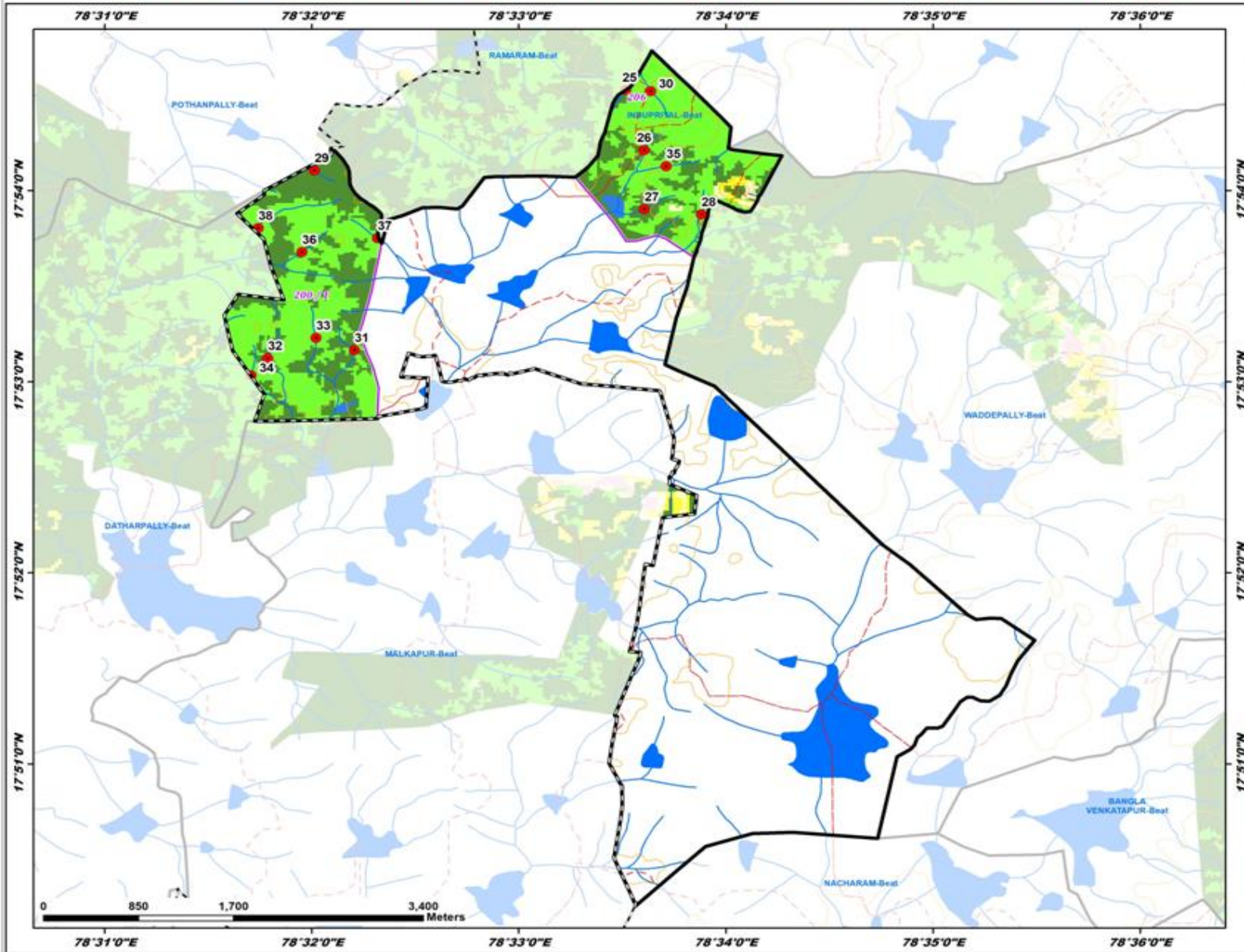
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
25	17.908781	78.558627	13.30	I
26	17.909536	78.560092	8.80	I
27	17.898381	78.560107	6.60	I
28	17.897991	78.564710	12.54	I
29	17.901765	78.538557	7.87	I
30	17.908673	78.560625	15.32	II
31	17.886094	78.536771	10.42	II
32	17.885395	78.529798	7.36	II
33	17.887255	78.533672	10.91	II
34	17.883903	78.528468	7.15	II
35	17.902127	78.561873	15.09	II
36	17.894636	78.532544	10.79	II
37	17.895868	78.538625	13.52	II
38	17.896741	78.529025	30.46	III

LEGEND

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

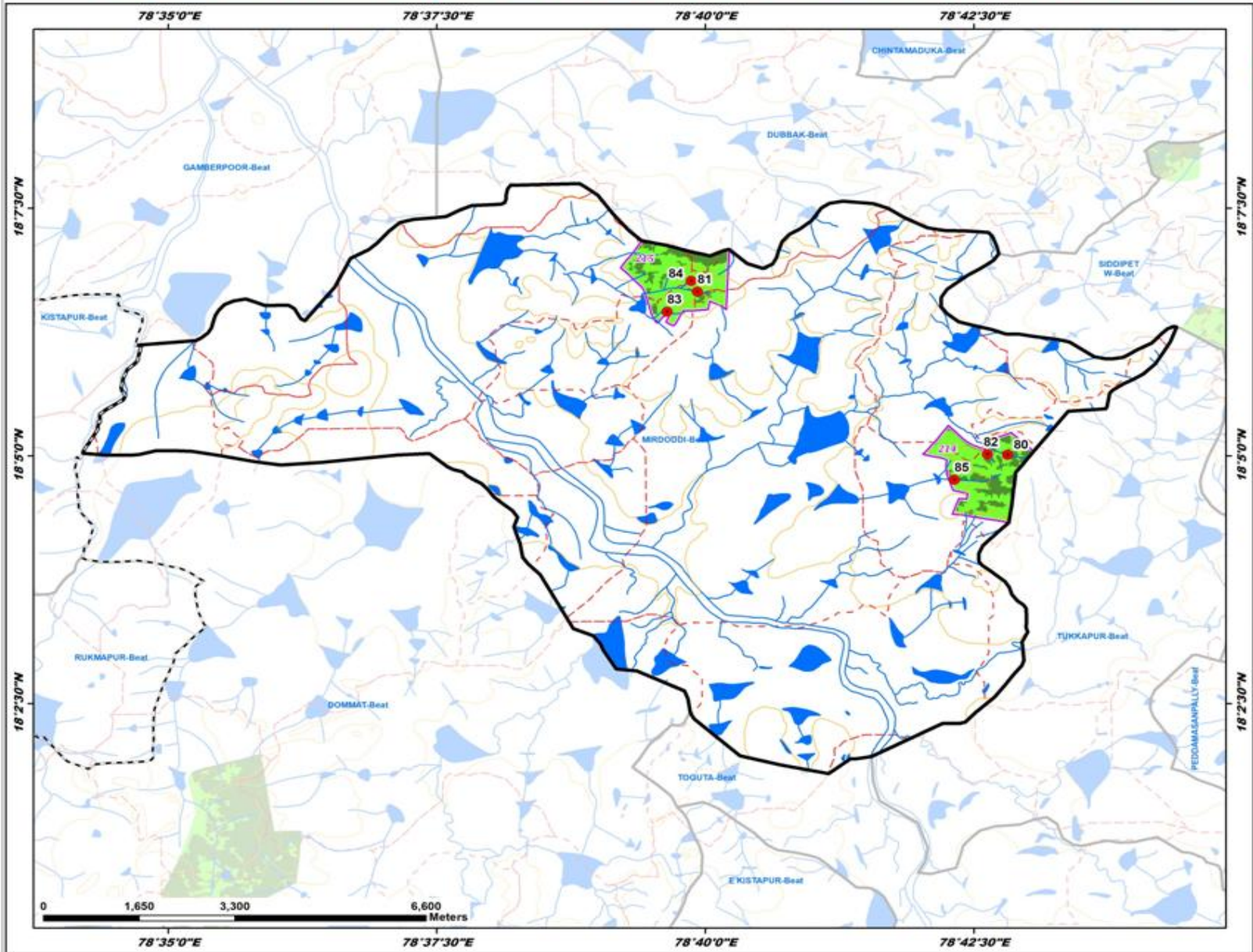
Suitability Index

- 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 Mirdoddi Beat



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
80	18.083555	78.713590	15.07	I
81	18.110953	78.665465	11.18	II
82	18.083635	78.710477	10.10	II
83	18.107578	78.660753	11.09	II
84	18.112794	78.664503	7.93	II
85	18.079346	78.705327	44.02	III

LEGEND

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

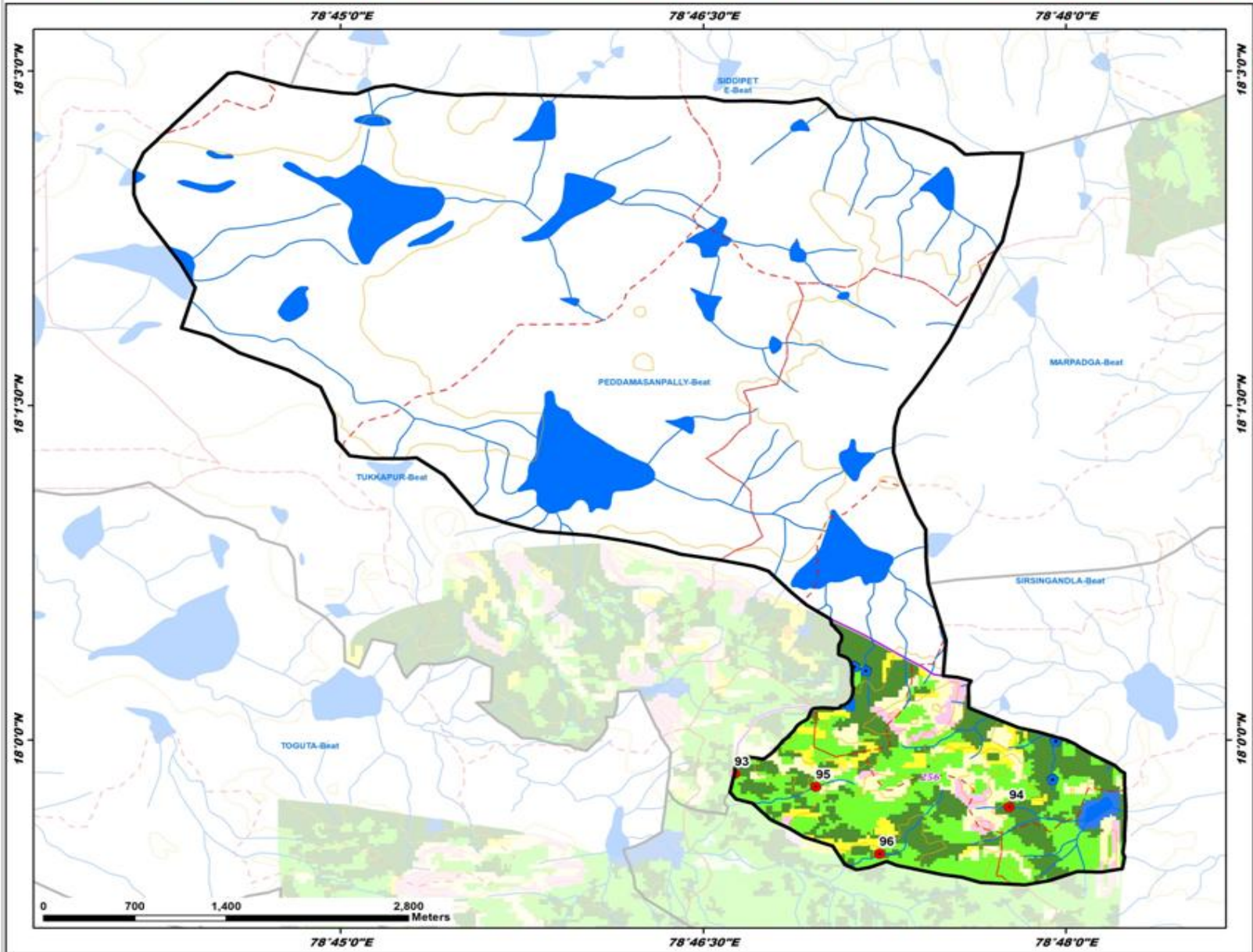
Suitability Index

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

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



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
93	17.997488	78.777159	14.04	I
94	17.995004	78.796124	8.32	I
95	17.996506	78.782773	14.47	II
96	17.991508	78.787154	52.38	III

LEGEND

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

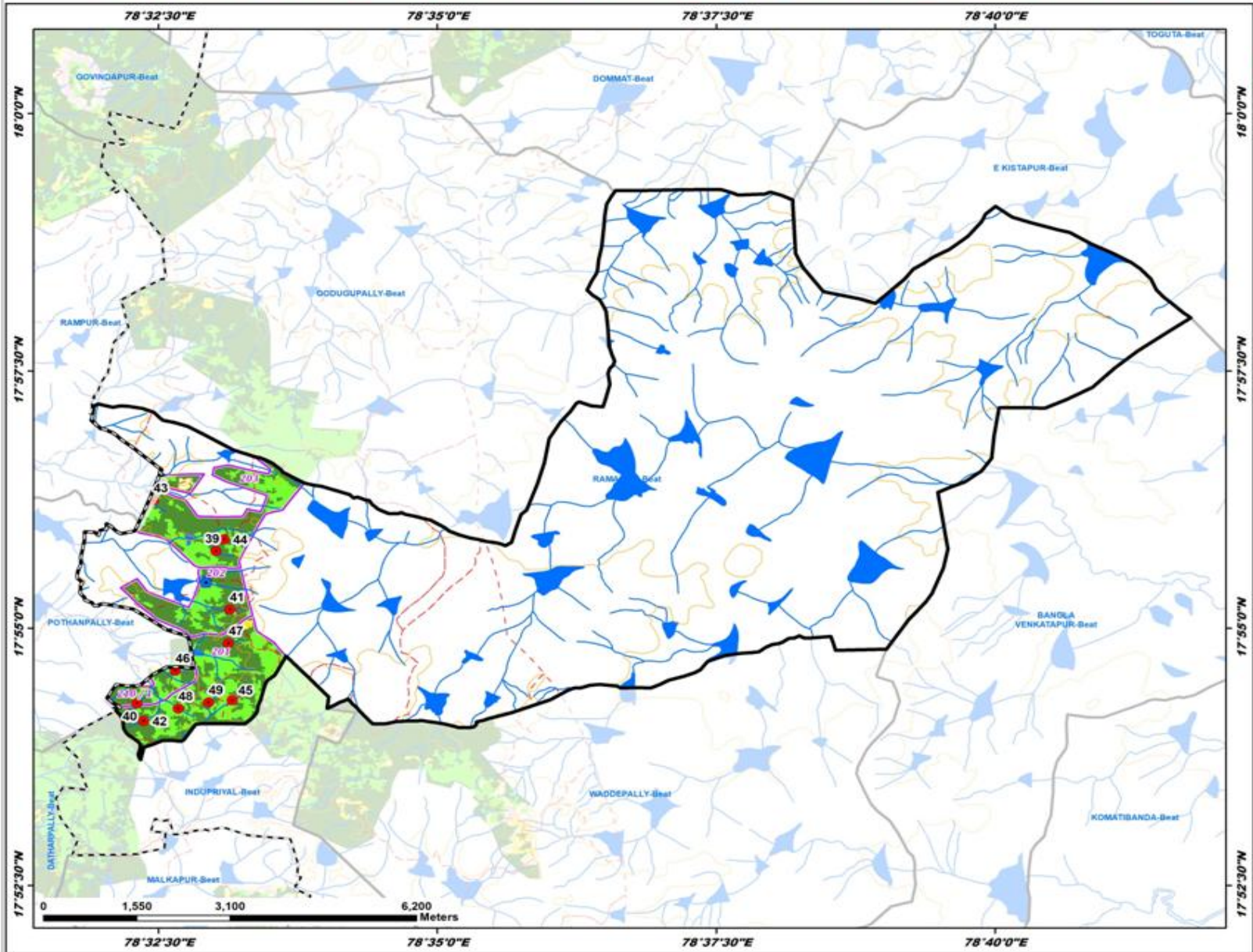
Suitability Index

- 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 Ramaram Beat



Division : Siddipet
Range : Dubbak



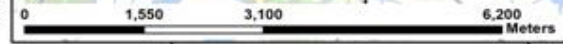
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
39	17.929157	78.550239	8.89	I
40	17.904555	78.538456	10.17	I
41	17.919790	78.552297	11.53	I
42	17.901676	78.539446	13.03	I
43	17.937372	78.540907	6.24	I
44	17.931089	78.551471	5.04	I
45	17.905037	78.552666	15.39	II
46	17.909804	78.544191	5.18	II
47	17.914244	78.552136	15.64	II
48	17.903694	78.544638	14.45	II
49	17.904668	78.549147	7.34	II

LEGEND

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

Suitability Index

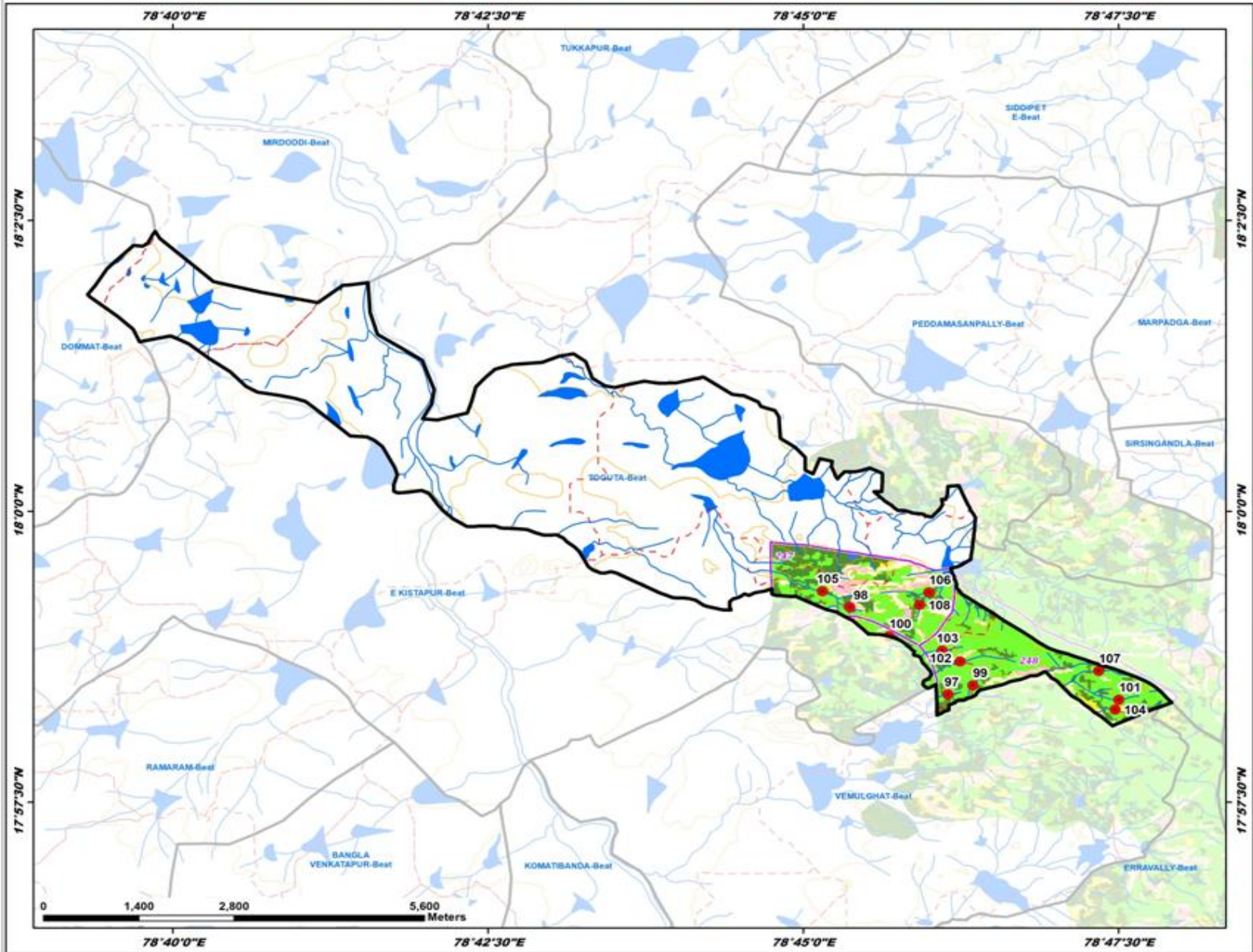
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
97	17.573777	78.769154	8.61	I
98	17.986308	78.756200	7.75	I
99	17.975091	78.772442	5.23	I
100	17.982129	78.761363	13.58	I
101	17.973031	78.791746	9.07	II
102	17.978512	78.770777	49.66	II
103	17.980074	78.768382	16.00	II
104	17.971612	78.791239	6.05	II
105	17.988561	78.752535	18.30	II
106	17.988409	78.766619	34.89	III
107	17.977158	78.789096	30.39	III
108	17.986625	78.765406	62.09	IV

LEGEND

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

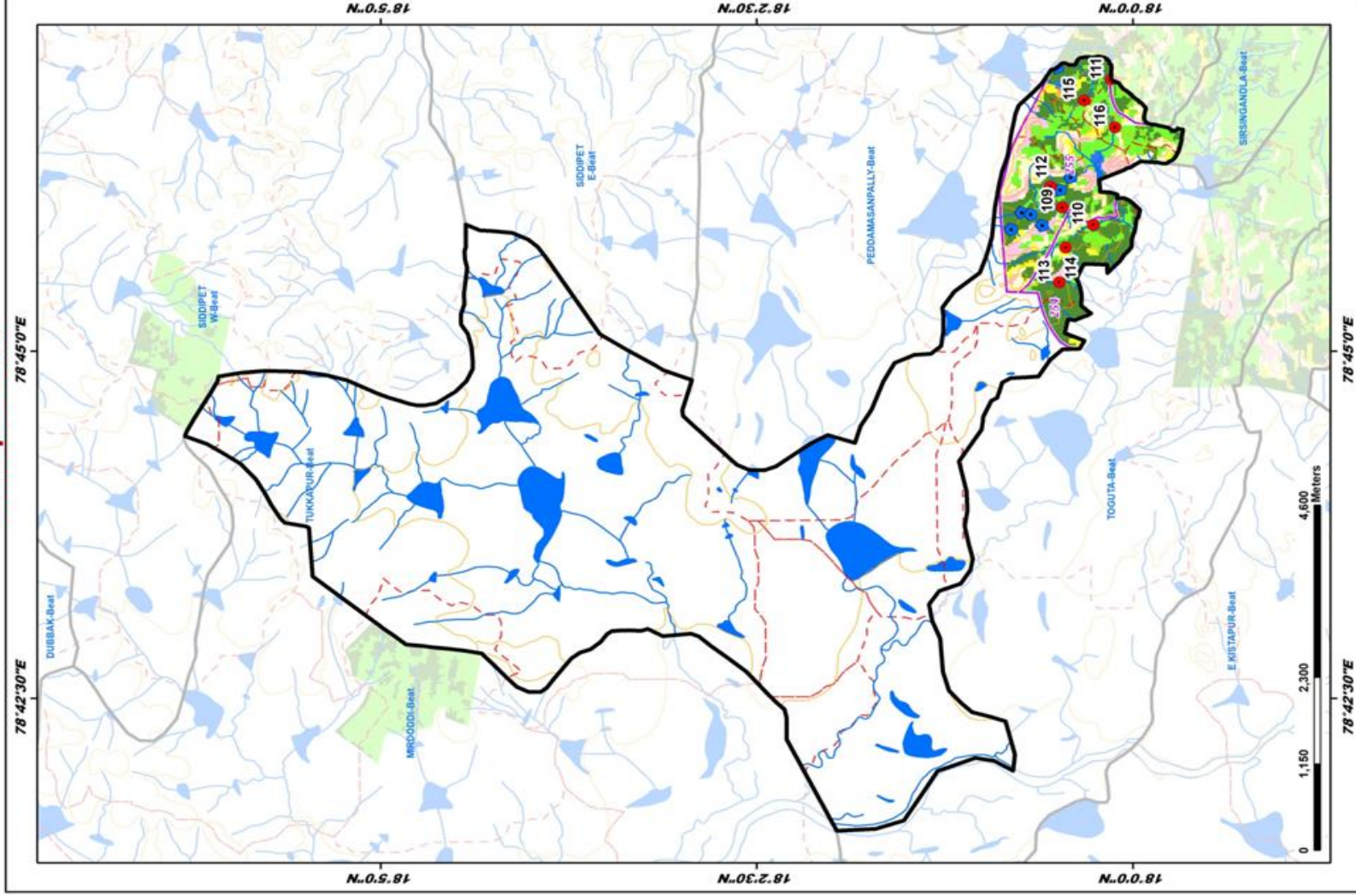
Suitability Index

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

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



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
109	18.007825	78.787285	8.06	I
110	18.004995	78.795186	7.78	I
111	18.002385	78.782663	5.18	I
112	18.009128	78.789769	8.48	I
113	18.008149	78.793506	8.86	I
114	18.007437	78.792444	6.17	II
115	18.005399	78.780104	6.94	II
116	18.001976	78.778875	22.31	II

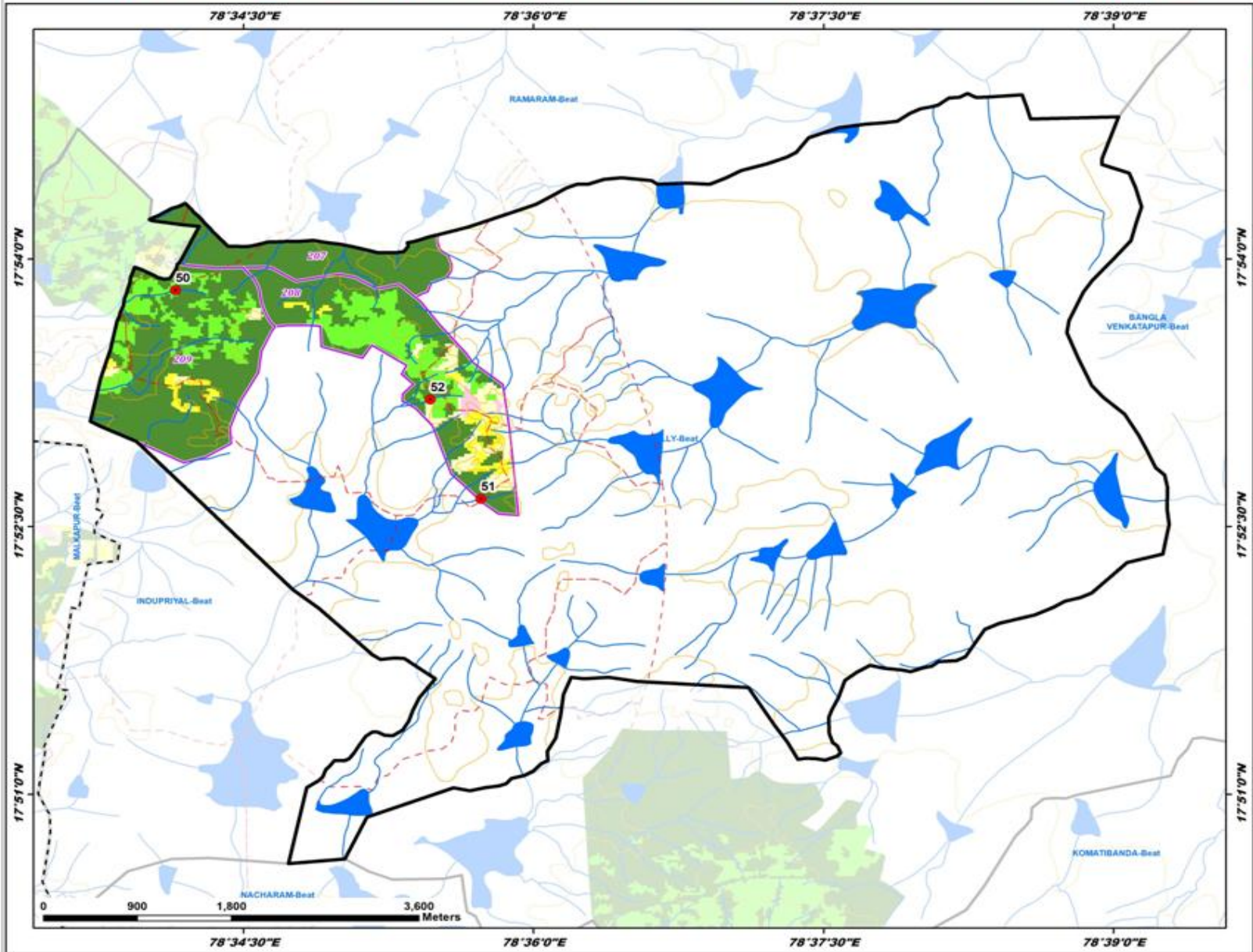
LEGEND

- Proposed PTs
 - Existing CD/PTs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
- ### Suitability Index
- CC1s/SC1s - Highly Suitable
 - CC1s/SC1s - Moderately Suitable
 - CC1s/SC1s - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately Suitable
 - PTs - Least Suitable
 - MPTs and SGPts - Suitable
 - Not Suitable
 - Water Body

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



Division : Siddipet
Range : Dubbak



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
50	17.897100	78.569136	9.40	I
51	17.877617	78.595459	5.98	I
52	17.886876	78.591105	8.67	II

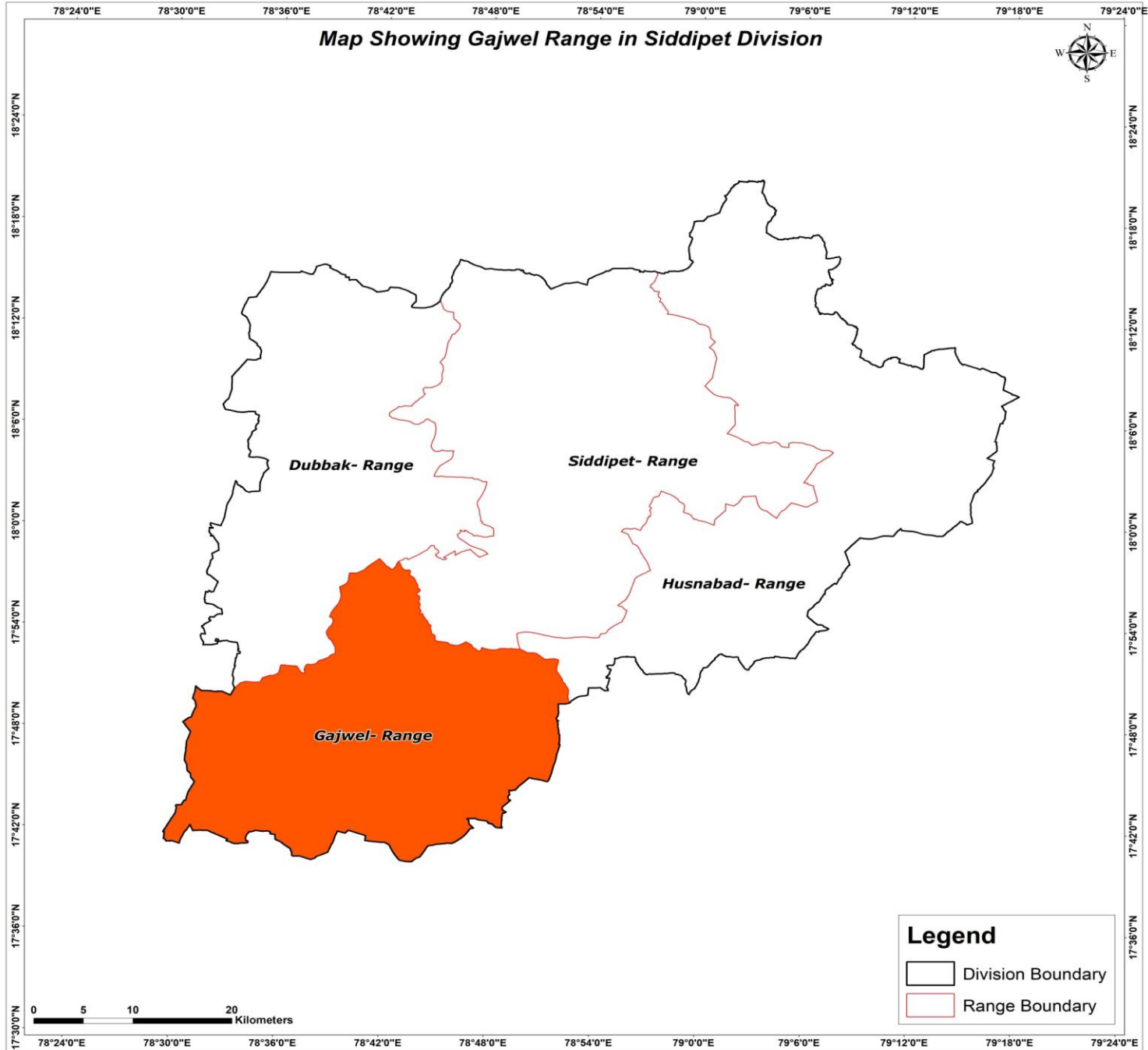
LEGEND

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

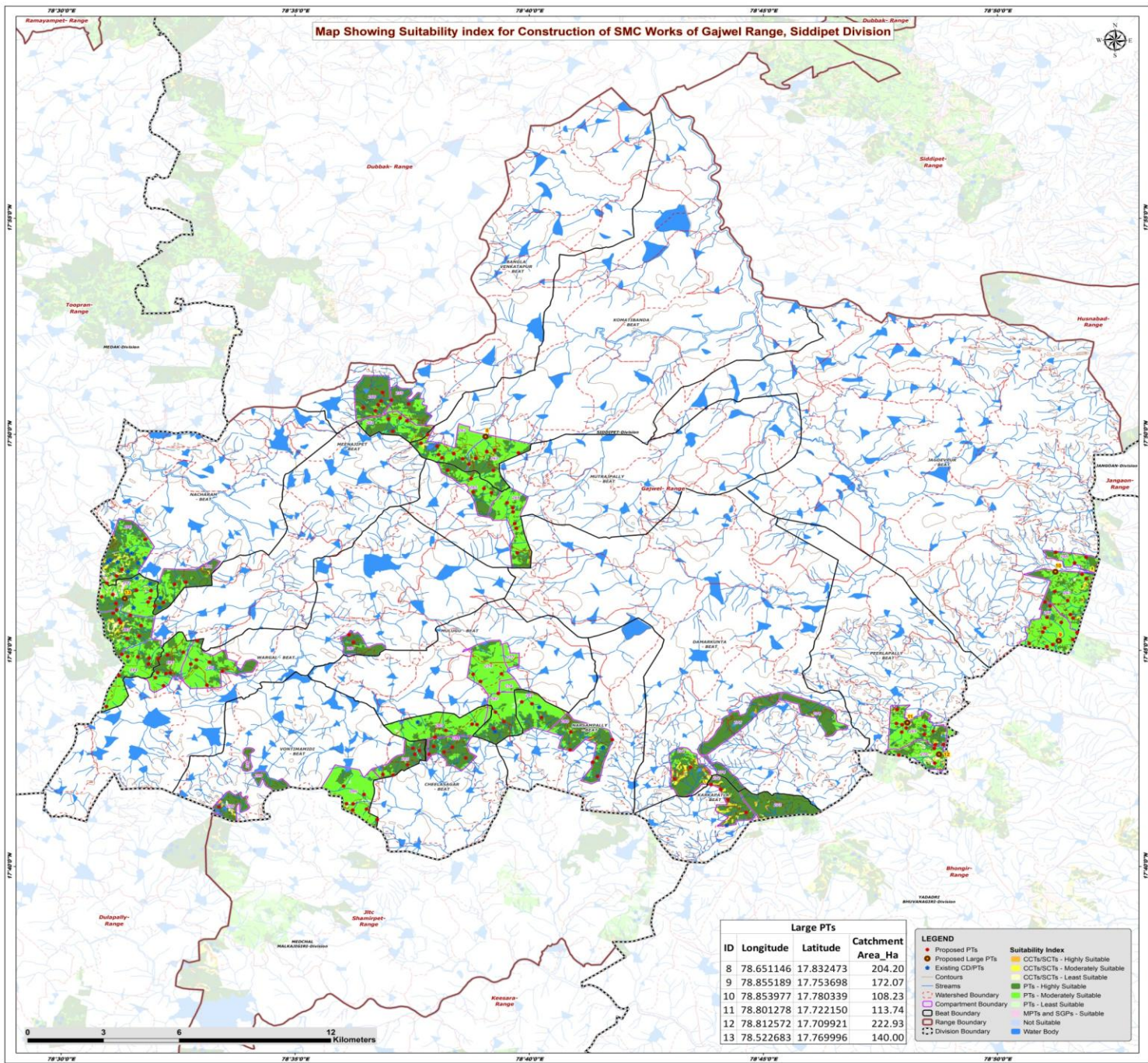
Suitability Index

- 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 Gajwel Range in Siddipet Division



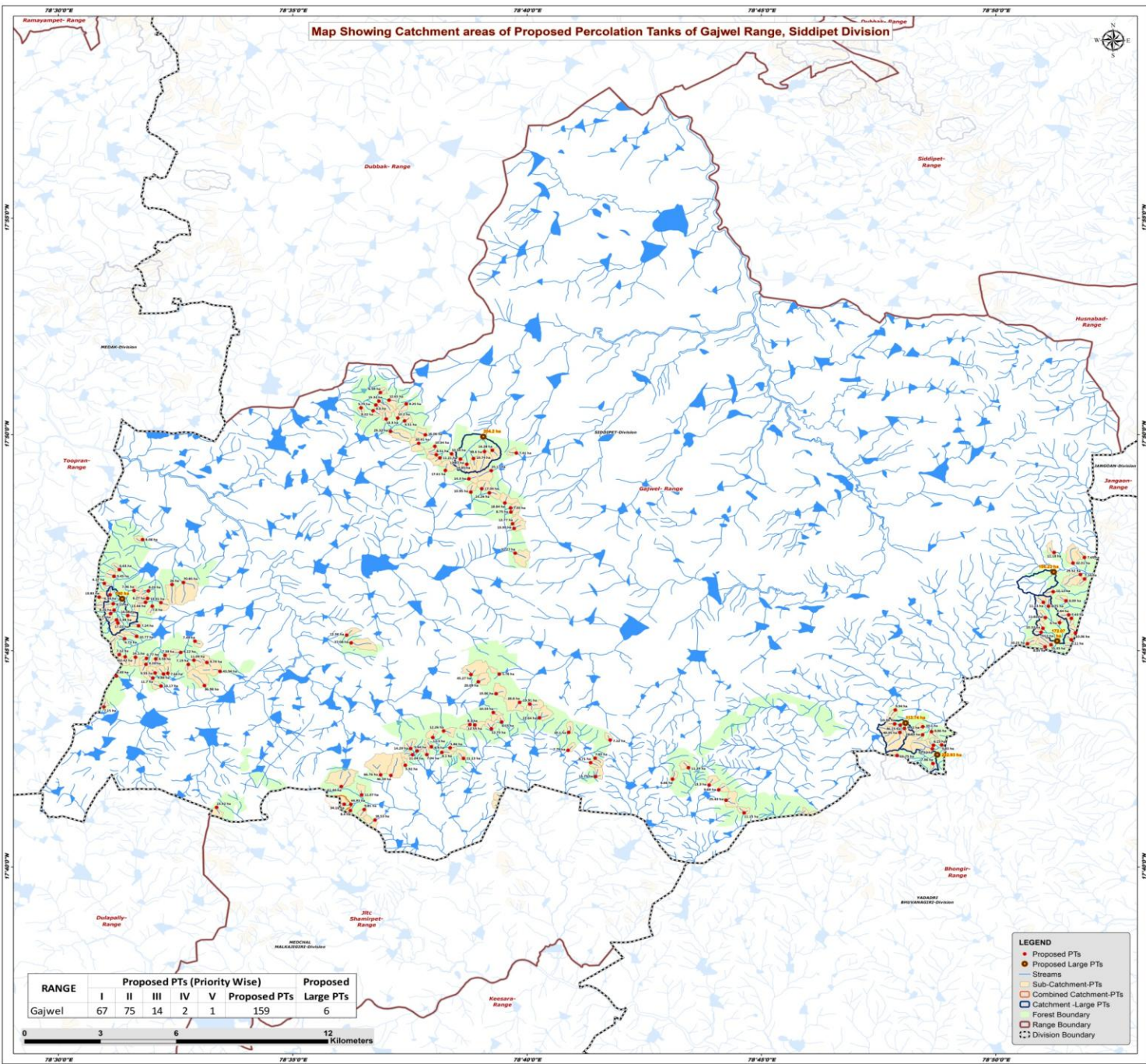
Map Showing Suitability index for Construction of SMC Works of Gajwel Range, Siddipet Division



Large PTs			
ID	Longitude	Latitude	Catchment Area_Ha
8	78.651146	17.832473	204.20
9	78.855189	17.753698	172.07
10	78.853977	17.780339	108.23
11	78.801278	17.722150	113.74
12	78.812572	17.709921	222.93
13	78.522683	17.769996	140.00

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

Map Showing Catchment areas of Proposed Percolation Tanks of Gajwel Range, Siddipet Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Gajwel	67	75	14	2	1	159
						6

- 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 – Gajwel Range

S. No.	Beat	Proposed PT's
1	BANGLA VENKATAPUR	11
2	CHEELASAGAR	9
3	DAMARKUNTA	2
4	JAGDEVPUR	20
5	KARKAPATLA	4
6	KOMATIBANDA	13
7	MEENAJIPET	23
8	MULUGU	7
9	MUTRAJPALLY	11
10	NACHARAM	7
11	NARSAMPALLY	9
12	PEERLAPALLY	13
13	VONTIMAMIDI	14
14	WARGAL	16
	Total	159

List of Proposed PTs – Gajwel 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
117	17.846179	78.613968	15.32	I	B ANGLA VENKATAPUR	157	17.767153	78.852111	8.75	I	JAGDEVPUR	197	17.721384	78.648101	12.55	II	CHEELASAGAR
118	17.839241	78.616558	10.30	I	B ANGLA VENKATAPUR	158	17.772705	78.853811	10.12	I	JAGDEVPUR	198	17.719088	78.637018	12.26	II	CHEELASAGAR
119	17.845083	78.623715	9.25	I	B ANGLA VENKATAPUR	159	17.785934	78.864925	7.65	I	JAGDEVPUR	199	17.721546	78.646333	8.30	II	CHEELASAGAR
120	17.842470	78.611919	8.22	I	B ANGLA VENKATAPUR	160	17.777669	78.864940	7.16	I	JAGDEVPUR	200	17.722517	78.657647	6.15	I	MULUGU
121	17.849452	78.614499	6.59	I	B ANGLA VENKATAPUR	161	17.762716	78.851013	11.82	II	JAGDEVPUR	201	17.719888	78.654015	12.73	I	MULUGU
122	17.843601	78.607631	5.75	I	B ANGLA VENKATAPUR	162	17.752284	78.853053	15.35	II	JAGDEVPUR	202	17.726194	78.654695	10.33	II	MULUGU
123	17.844710	78.612919	8.60	I	B ANGLA VENKATAPUR	163	17.756883	78.861733	10.06	II	JAGDEVPUR	203	17.738010	78.649340	20.09	II	MULUGU
124	17.846517	78.617604	12.65	I	B ANGLA VENKATAPUR	164	17.758626	78.850142	10.32	II	JAGDEVPUR	204	17.741009	78.656818	5.78	II	MULUGU
125	17.839645	78.620734	10.20	II	B ANGLA VENKATAPUR	165	17.751494	78.850926	8.05	II	JAGDEVPUR	205	17.733411	78.655669	19.86	II	MULUGU
126	17.834490	78.618147	29.32	II	B ANGLA VENKATAPUR	166	17.769237	78.858355	8.09	II	JAGDEVPUR	206	17.740806	78.646739	45.27	III	MULUGU
127	17.838532	78.623130	9.51	II	B ANGLA VENKATAPUR	167	17.752700	78.844663	10.21	II	JAGDEVPUR	207	17.715563	78.696252	7.12	I	NARSAMPALLY
128	17.828767	78.633909	10.34	I	KOMATIBANDA	168	17.760805	78.856078	6.00	II	JAGDEVPUR	208	17.706882	78.689291	8.71	I	NARSAMPALLY
129	17.825513	78.634410	8.51	I	KOMATIBANDA	169	17.757088	78.849533	7.12	II	JAGDEVPUR	209	17.708607	78.690901	7.85	I	NARSAMPALLY
130	17.821875	78.645229	14.85	I	KOMATIBANDA	170	17.754221	78.860226	6.11	II	JAGDEVPUR	210	17.711613	78.681242	7.79	I	NARSAMPALLY
131	17.825867	78.639851	10.54	II	KOMATIBANDA	171	17.763834	78.859319	9.84	II	JAGDEVPUR	211	17.701507	78.691045	13.79	I	NARSAMPALLY
132	17.827238	78.654321	16.28	II	KOMATIBANDA	172	17.779329	78.863509	29.52	III	JAGDEVPUR	212	17.729410	78.667656	19.91	II	NARSAMPALLY
133	17.824284	78.635678	11.21	II	KOMATIBANDA	173	17.783757	78.860850	32.01	III	JAGDEVPUR	213	17.724147	78.671089	22.64	II	NARSAMPALLY
134	17.826146	78.662861	7.41	II	KOMATIBANDA	174	17.696373	78.734827	9.69	I	KARKAPATLA	214	17.718547	78.681501	10.10	II	NARSAMPALLY
135	17.824080	78.647642	10.74	II	KOMATIBANDA	175	17.687511	78.743881	11.15	I	KARKAPATLA	215	17.730115	78.664029	28.80	III	NARSAMPALLY
136	17.823839	78.642987	12.87	II	KOMATIBANDA	176	17.698185	78.731421	13.30	I	KARKAPATLA	216	17.705846	78.623384	5.92	I	VONTIMAMIDI
137	17.833178	78.630492	16.06	II	KOMATIBANDA	177	17.692422	78.737436	25.43	II	KARKAPATLA	217	17.712275	78.625308	14.29	I	VONTIMAMIDI
138	17.829924	78.628152	20.41	II	KOMATIBANDA	178	17.720047	78.800887	9.42	I	PEERLAPALLY	218	17.684753	78.612623	18.53	I	VONTIMAMIDI
139	17.826719	78.651578	38.60	III	KOMATIBANDA	179	17.720743	78.807439	10.10	I	PEERLAPALLY	219	17.711365	78.627590	5.44	I	VONTIMAMIDI
140	17.819374	78.653957	25.17	III	KOMATIBANDA	180	17.713584	78.811232	6.25	I	PEERLAPALLY	220	17.689624	78.556272	15.92	I	VONTIMAMIDI
141	17.819463	78.637630	17.61	I	MUTRAJPALLY	181	17.706560	78.811031	7.98	II	PEERLAPALLY	221	17.688818	78.608769	9.81	II	VONTIMAMIDI
142	17.806929	78.658800	18.84	II	MUTRAJPALLY	182	17.718793	78.810509	8.86	II	PEERLAPALLY	222	17.701934	78.618266	46.59	II	VONTIMAMIDI
143	17.810816	78.653279	14.26	II	MUTRAJPALLY	183	17.721808	78.797430	10.34	II	PEERLAPALLY	223	17.690818	78.604024	44.93	III	VONTIMAMIDI
144	17.797101	78.662055	13.99	II	MUTRAJPALLY	184	17.713711	78.814173	5.83	II	PEERLAPALLY	224	17.709922	78.625958	11.04	II	VONTIMAMIDI
145	17.798939	78.661522	12.77	II	MUTRAJPALLY	185	17.717626	78.807331	28.83	II	PEERLAPALLY	225	17.688429	78.603851	8.40	II	VONTIMAMIDI
146	17.812404	78.650578	17.34	II	MUTRAJPALLY	186	17.727175	78.797633	9.94	II	PEERLAPALLY	226	17.694448	78.607863	11.07	II	VONTIMAMIDI
147	17.804998	78.660821	7.45	II	MUTRAJPALLY	187	17.709612	78.798300	16.75	II	PEERLAPALLY	227	17.697689	78.600611	61.44	IV	VONTIMAMIDI
148	17.811128	78.646679	10.95	II	MUTRAJPALLY	188	17.718501	78.799261	40.05	III	PEERLAPALLY	228	17.702179	78.614591	66.76	IV	VONTIMAMIDI
149	17.803437	78.660911	8.75	II	MUTRAJPALLY	189	17.721366	78.799441	36.15	III	PEERLAPALLY	229	17.690859	78.601655	34.16	V	VONTIMAMIDI
150	17.816228	78.645952	14.30	II	MUTRAJPALLY	190	17.712192	78.810837	32.32	III	PEERLAPALLY	230	17.754624	78.523570	6.73	I	MEENAJIPET
151	17.787612	78.662450	31.27	III	MUTRAJPALLY	191	17.716543	78.633162	11.30	I	CHEELASAGAR	231	17.747040	78.531374	6.77	I	MEENAJIPET
152	17.700518	78.718429	6.66	I	DAMARKUNTA	192	17.709952	78.631053	7.04	I	CHEELASAGAR	232	17.764350	78.518585	7.77	I	MEENAJIPET
153	17.704910	78.724080	11.29	I	DAMARKUNTA	193	17.708521	78.644083	11.13	I	CHEELASAGAR	233	17.768095	78.519543	8.15	I	MEENAJIPET
154	17.768637	78.850293	11.23	I	JAGDEVPUR	194	17.712985	78.632695	6.40	I	CHEELASAGAR	234	17.748483	78.521670	7.12	I	MEENAJIPET
155	17.762471	78.860267	7.45	I	JAGDEVPUR	195	17.712581	78.639322	5.86	I	CHEELASAGAR	235	17.761877	78.520691	5.94	I	MEENAJIPET
156	17.787860	78.854144	11.18	I	JAGDEVPUR	196	17.710788	78.636362	8.10	I	CHEELASAGAR	236	17.763548	78.524653	14.08	I	MEENAJIPET

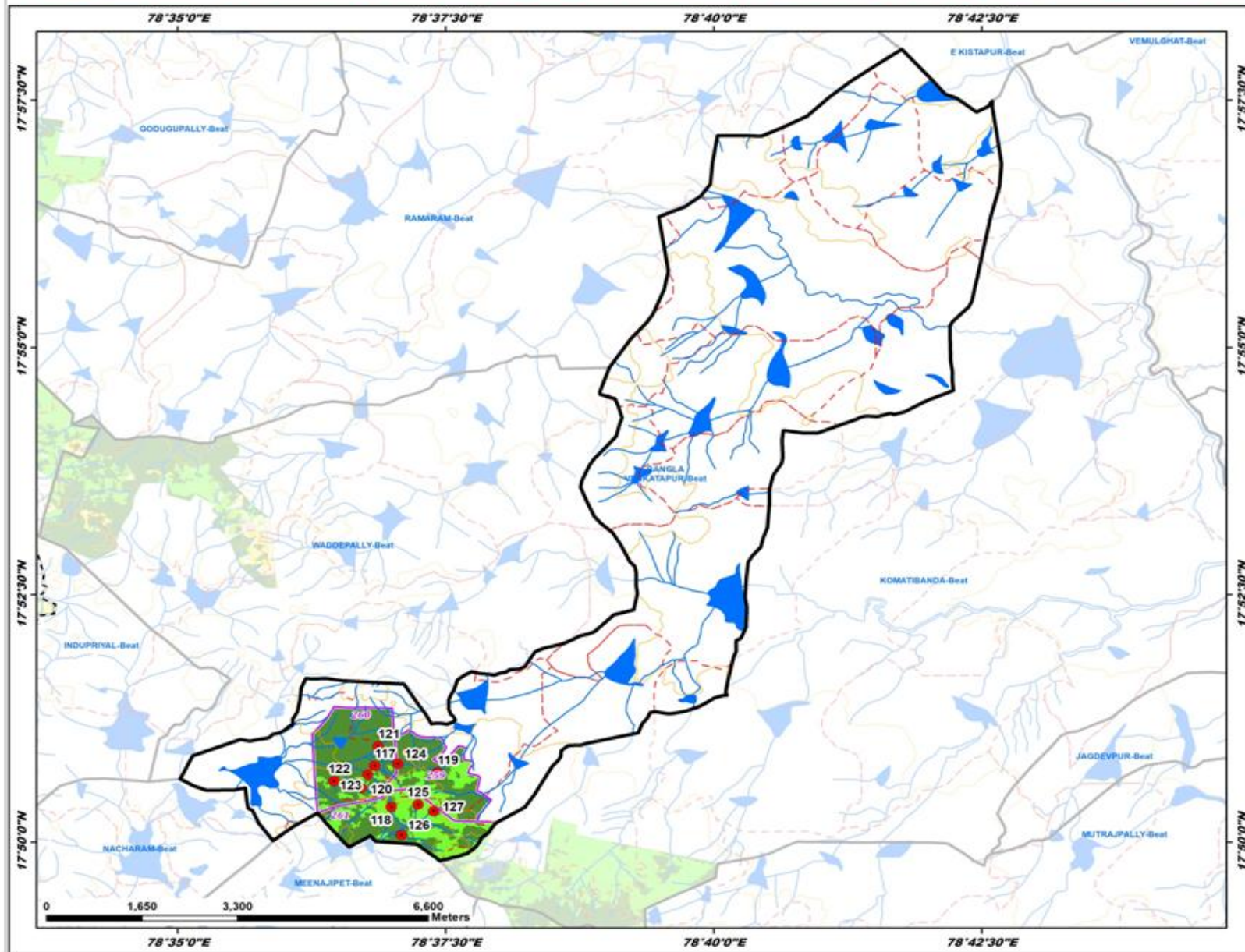
List of Proposed PTs – Gajwel Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
237	17.755538	78.527810	10.77	I	MEENAJIPET
238	17.760651	78.521176	17.01	I	MEENAJIPET
239	17.773174	78.526882	7.96	I	MEENAJIPET
240	17.775960	78.516323	6.17	I	MEENAJIPET
241	17.744753	78.531155	9.59	I	MEENAJIPET
242	17.747659	78.523772	10.42	II	MEENAJIPET
243	17.740253	78.520624	8.49	II	MEENAJIPET
244	17.770647	78.514502	13.83	II	MEENAJIPET
245	17.771515	78.518397	6.34	II	MEENAJIPET
246	17.773039	78.532047	8.24	II	MEENAJIPET
247	17.728330	78.516161	7.15	II	MEENAJIPET
248	17.765621	78.519829	8.26	II	MEENAJIPET
249	17.770147	78.531711	6.27	II	MEENAJIPET
250	17.747522	78.527400	14.10	II	MEENAJIPET
251	17.759632	78.528522	7.24	II	MEENAJIPET
252	17.768638	78.531007	13.44	II	MEENAJIPET
253	17.778691	78.519778	9.45	I	NACHARAM
254	17.767145	78.533402	7.80	I	NACHARAM
255	17.768521	78.536458	13.91	I	NACHARAM
256	17.792799	78.529959	8.08	I	NACHARAM
257	17.781241	78.521691	6.63	II	NACHARAM
258	17.775503	78.540428	26.00	II	NACHARAM
259	17.776285	78.544461	70.85	III	NACHARAM
260	17.746858	78.534630	8.58	I	WARGAL
261	17.748240	78.537911	7.39	I	WARGAL
262	17.741318	78.538890	7.64	I	WARGAL
263	17.755982	78.602525	12.36	I	WARGAL
264	17.745434	78.552839	9.74	I	WARGAL
265	17.753661	78.548560	7.49	I	WARGAL
266	17.749336	78.543522	8.22	II	WARGAL
267	17.739468	78.533598	11.70	II	WARGAL
268	17.741410	78.534432	9.55	II	WARGAL
269	17.744716	78.546225	7.19	II	WARGAL
270	17.746329	78.548184	11.09	II	WARGAL
271	17.753009	78.604123	37.08	II	WARGAL
272	17.736391	78.536517	10.17	II	WARGAL
273	17.741041	78.537381	9.88	II	WARGAL
274	17.742037	78.557481	43.94	III	WARGAL
275	17.736590	78.551966	36.98	III	WARGAL

Map Showing Suitability Index for Construction of SMC Works of Bangla Venkatapur Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
117	17.846179	78.613968	15.32	I
118	17.839241	78.616558	10.30	I
119	17.845083	78.623715	9.25	I
120	17.842470	78.611919	8.22	I
121	17.849452	78.614499	6.99	I
122	17.848601	78.607631	5.75	I
123	17.844730	78.612919	8.60	I
124	17.846517	78.617604	12.65	I
125	17.839645	78.620734	10.20	II
126	17.834490	78.618147	29.32	II
127	17.838532	78.623130	9.51	II

LEGEND

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

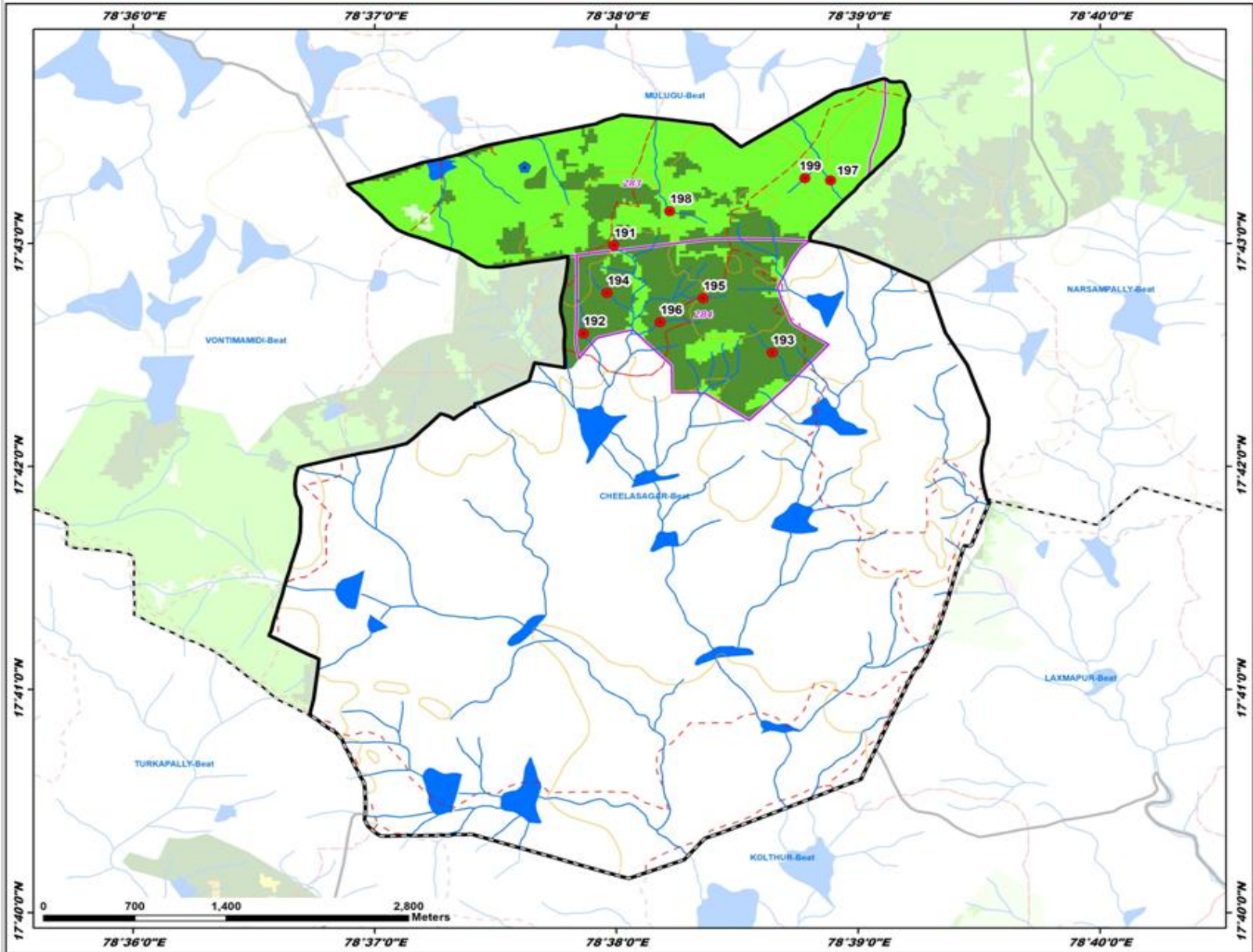
Suitability Index

- 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 Cheelasagar Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
191	17.716543	78.633162	11.30	I
192	17.709952	78.633053	7.04	I
193	17.708521	78.644083	11.13	I
194	17.712985	78.632695	6.40	I
195	17.712581	78.639322	5.86	I
196	17.710788	78.636362	8.10	I
197	17.721384	78.648101	12.55	II
198	17.719088	78.637018	12.26	II
199	17.721546	78.646333	8.30	II

LEGEND

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

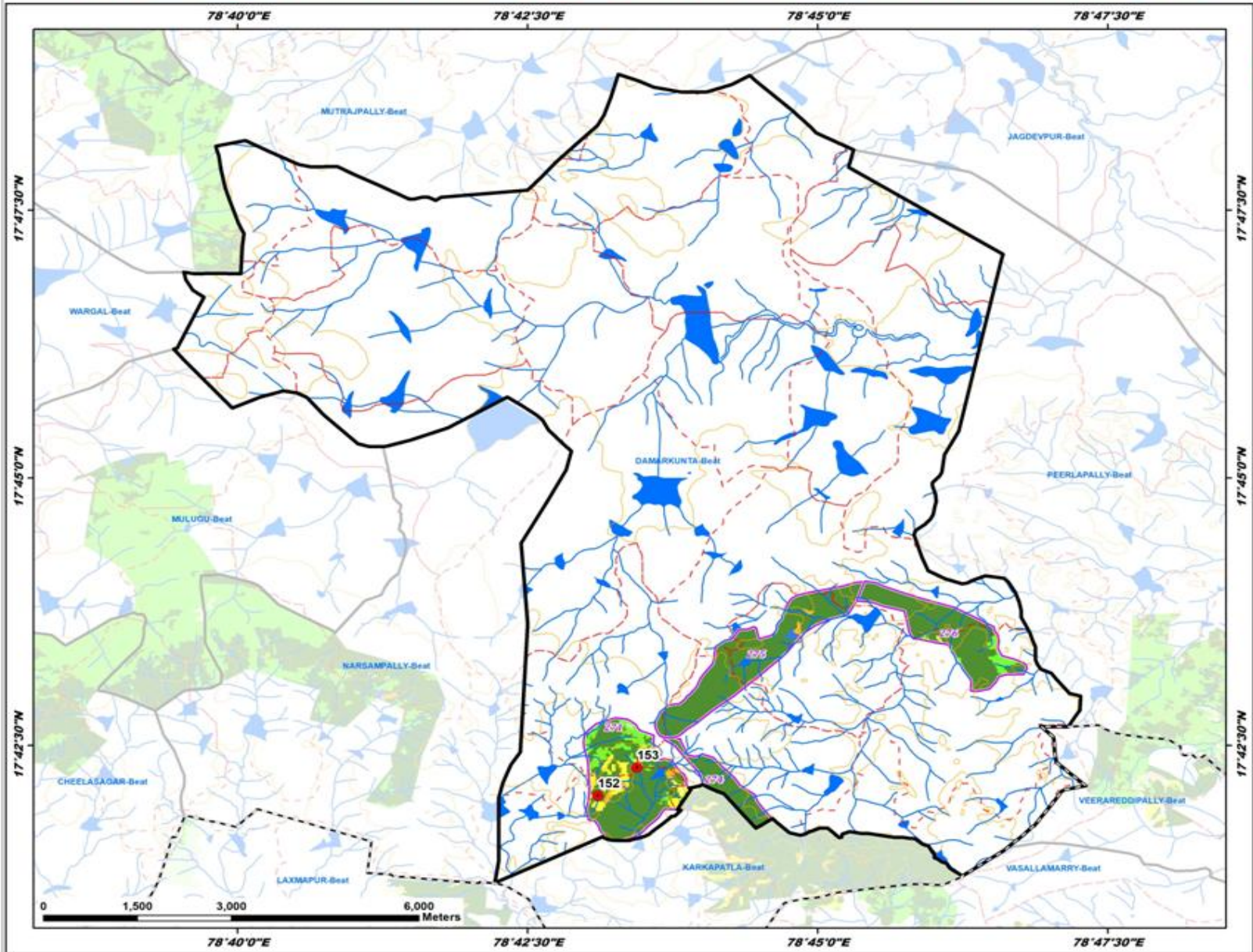
Suitability Index

- 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 Damarkunta Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
152	17.700518	78.718429	6.66	I
153	17.704910	78.724080	11.29	I

LEGEND

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

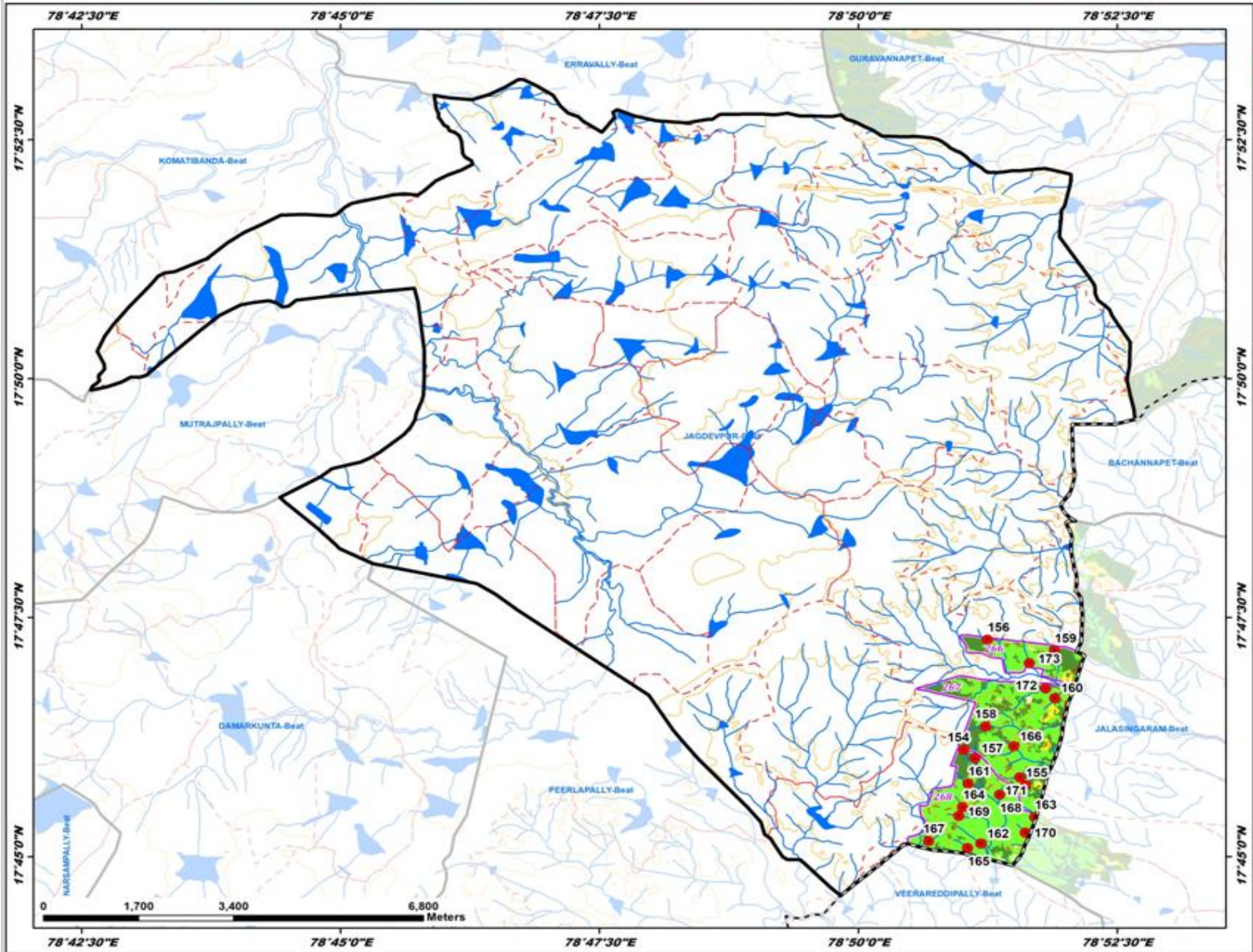
Suitability Index

- 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 Jagdevpur Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
154	17.768637	78.850293	11.23	I
155	17.762471	78.860267	7.45	I
156	17.787860	78.854144	11.18	I
157	17.767153	78.852111	8.75	I
158	17.772705	78.853811	10.12	I
159	17.785934	78.864925	7.65	I
160	17.777669	78.864940	7.16	I
161	17.762716	78.851013	11.82	II
162	17.752284	78.853053	15.35	II
163	17.756883	78.861733	10.06	II
164	17.758626	78.850142	10.32	II
165	17.751494	78.850926	8.05	II
166	17.769237	78.858355	8.09	II
167	17.752700	78.844663	10.21	II
168	17.760805	78.856078	6.00	II
169	17.757088	78.849533	7.12	II
170	17.754221	78.860226	6.11	II
171	17.763834	78.859319	9.84	II
172	17.779329	78.863509	25.52	III
173	17.783757	78.860850	32.01	III

LEGEND

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

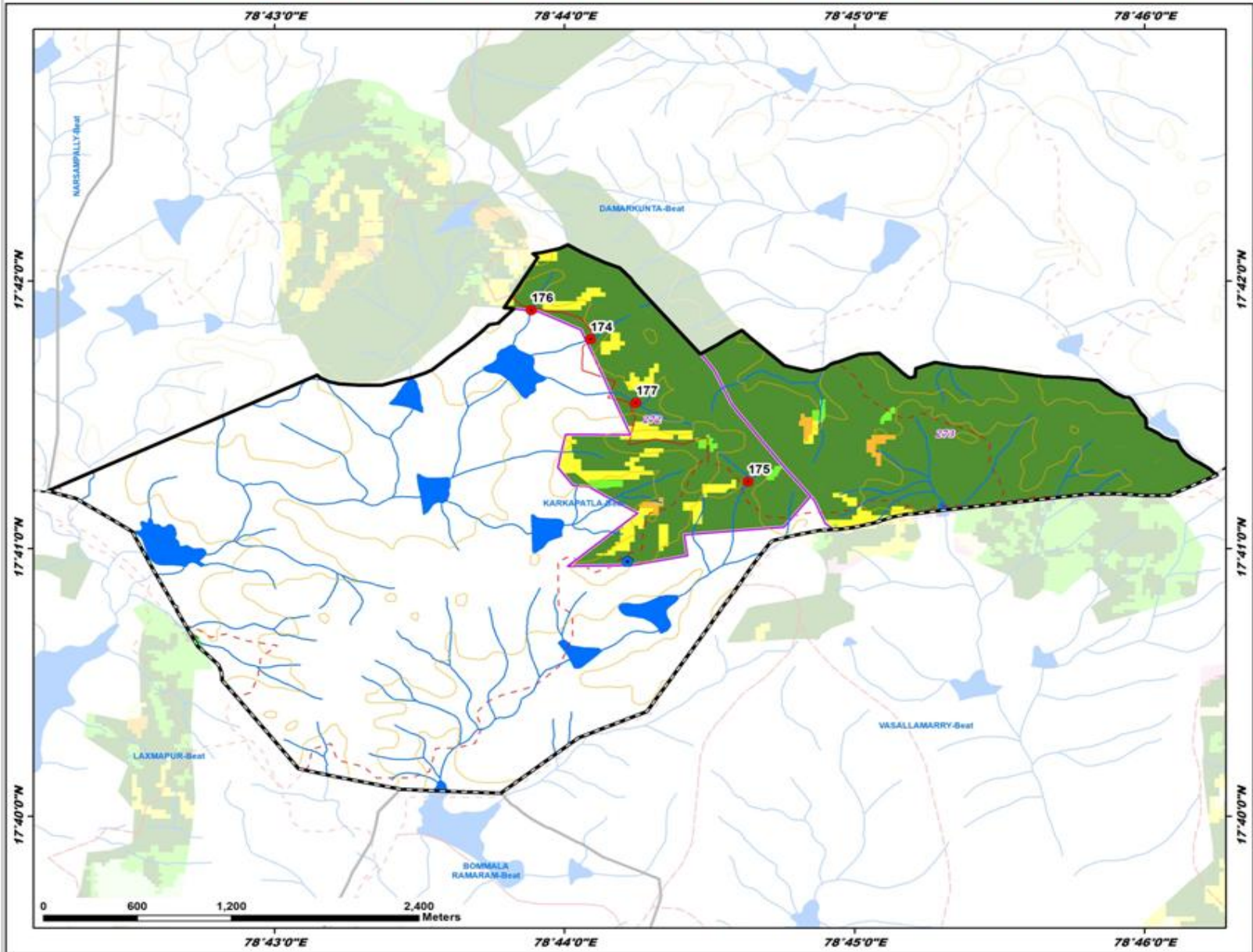
Suitability Index

- 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 Karkapatla Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
174	17.696373	78.734827	9.69	I
175	17.687511	78.743881	11.15	I
176	17.698185	78.733421	13.30	I
177	17.692422	78.737436	25.43	II

LEGEND

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

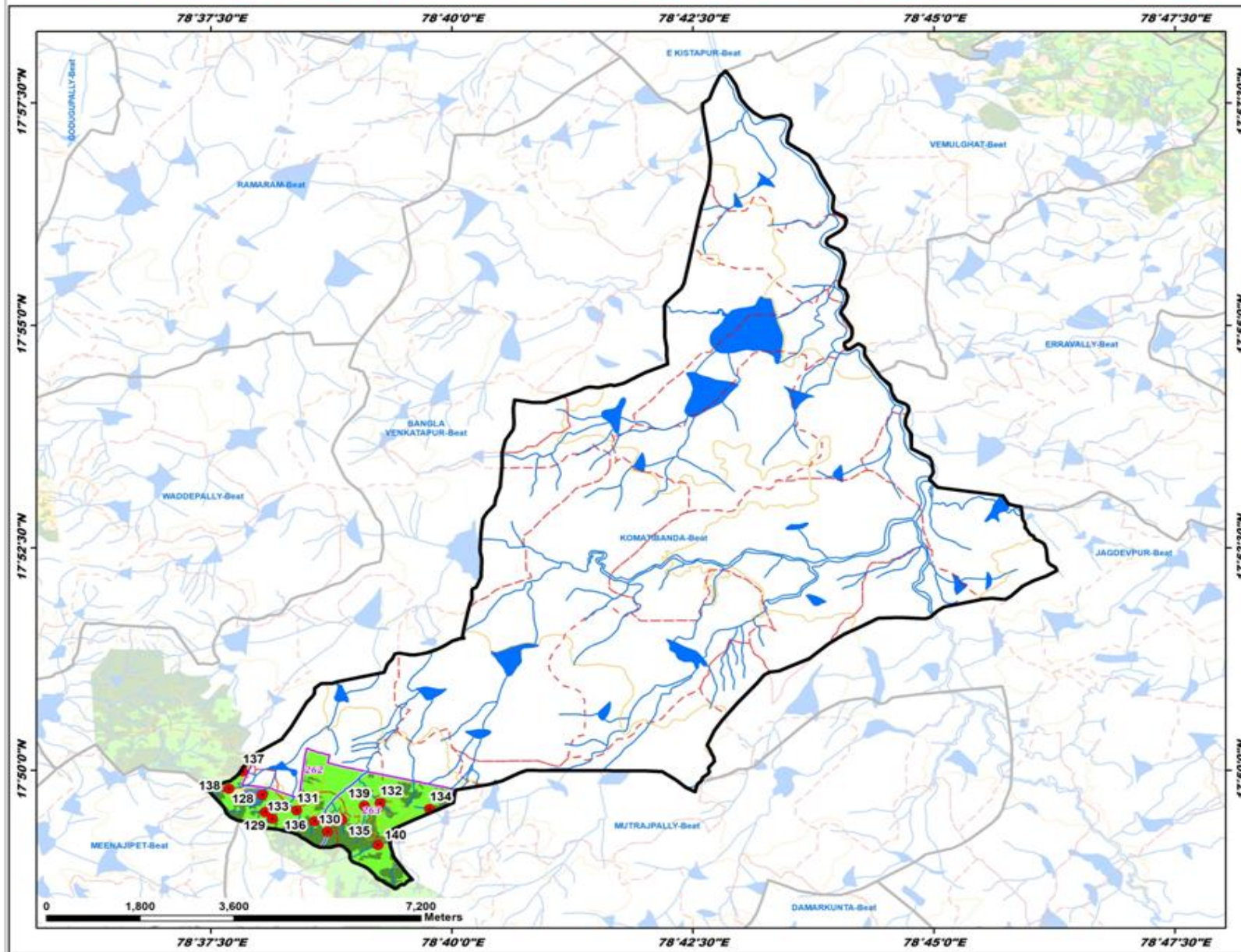
Suitability Index

- 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 Komatibanda Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
128	17.828767	78.633909	10.34	I
129	17.825513	78.634410	8.51	I
130	17.821875	78.645229	14.85	I
131	17.825867	78.639851	10.54	II
132	17.827238	78.654321	16.28	II
133	17.824284	78.635678	11.21	II
134	17.826346	78.662861	7.41	II
135	17.824080	78.647642	10.74	II
136	17.823839	78.642987	12.87	II
137	17.833178	78.630492	16.06	II
138	17.829924	78.628152	20.41	II
139	17.826719	78.651578	38.60	III
140	17.819374	78.653957	25.17	III

LEGEND

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

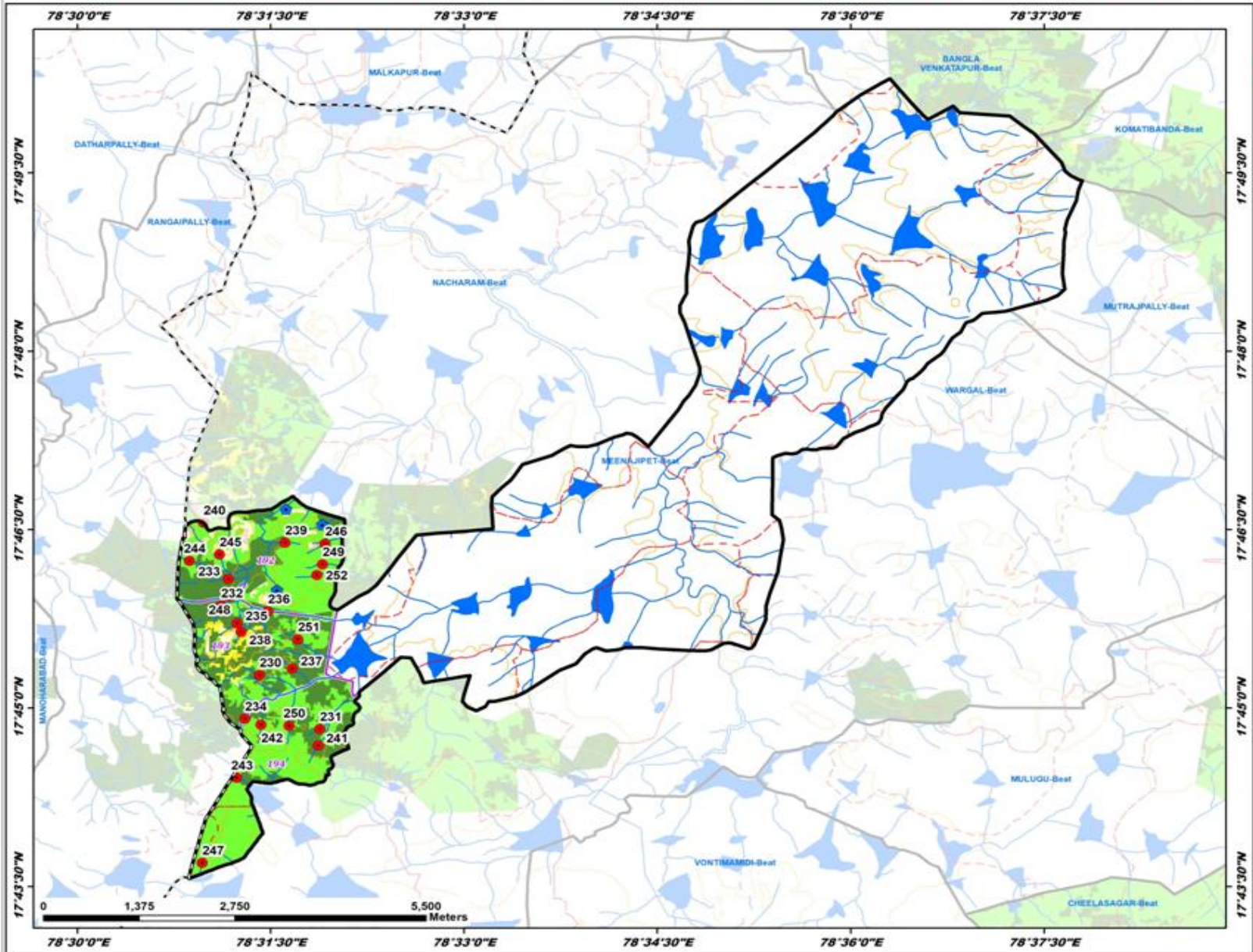
Suitability Index

- 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 Meenajipet Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
230	17.754624	78.523570	6.75	I
231	17.747040	78.531374	6.77	I
232	17.764350	78.518585	7.77	I
233	17.768095	78.519543	8.15	I
234	17.748483	78.521670	7.12	I
235	17.761877	78.520691	5.94	I
236	17.763548	78.524653	14.08	I
237	17.755538	78.527810	10.77	I
238	17.760651	78.521176	17.01	I
239	17.773174	78.526882	7.96	I
240	17.775960	78.516323	6.17	I
241	17.744753	78.531155	9.59	I
242	17.747659	78.523772	10.42	II
243	17.740253	78.520624	8.49	II
244	17.770647	78.514502	13.83	II
245	17.771515	78.518397	6.34	II
246	17.773039	78.520447	8.24	II
247	17.728330	78.516161	7.15	II
248	17.765621	78.519829	8.26	II
249	17.770347	78.531711	6.27	II
250	17.747522	78.527400	14.10	II
251	17.759632	78.528522	7.24	II
252	17.768638	78.531007	13.44	II

LEGEND

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

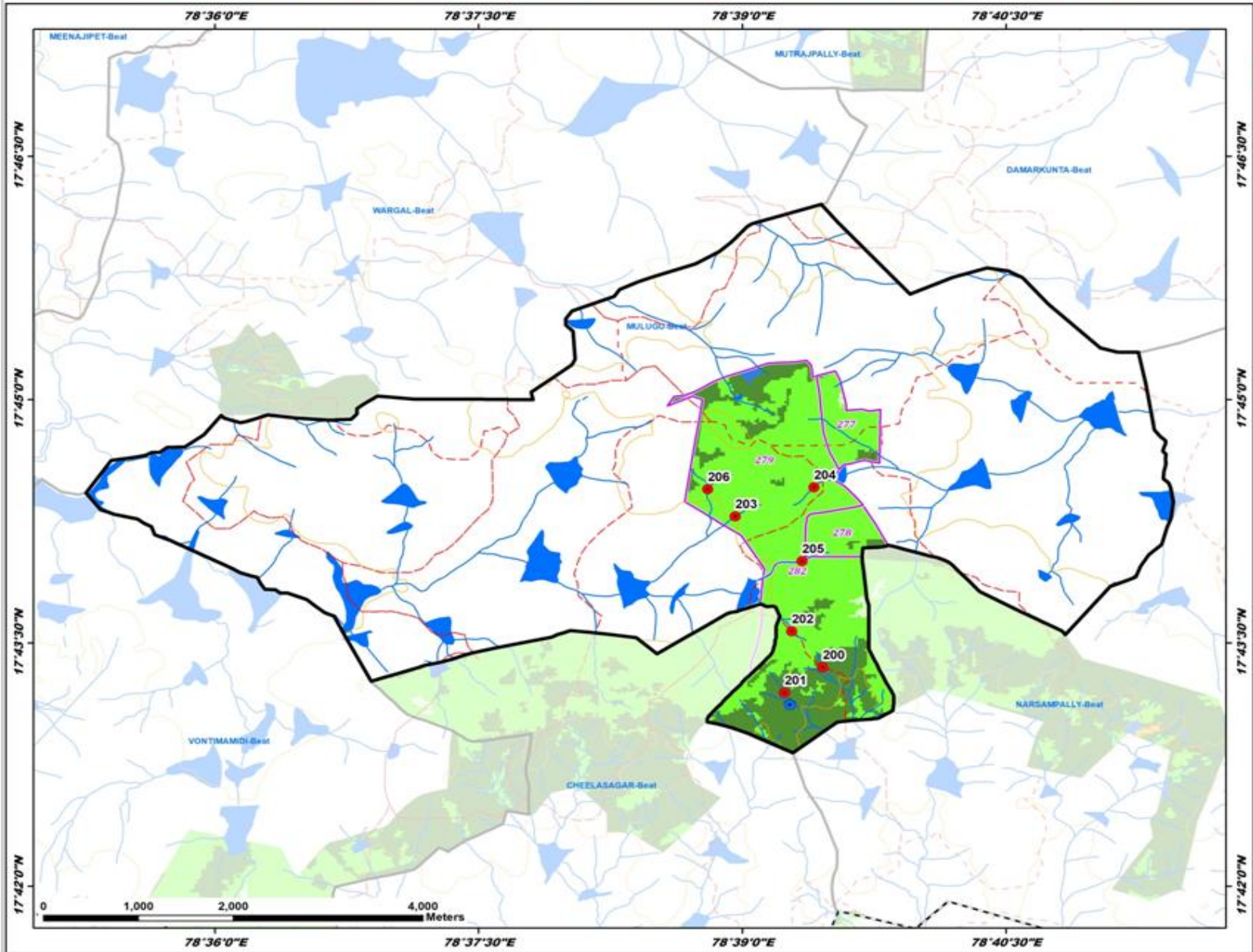
Suitability Index

- 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 Suitability Index for Construction of SMC Works of Mulugu Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
200	17.722517	78.657647	6.15	I
201	17.719888	78.654015	12.73	I
202	17.726194	78.654695	10.33	II
203	17.738010	78.649340	20.09	II
204	17.741009	78.656818	5.78	II
205	17.733411	78.655669	19.86	II
206	17.740806	78.646739	45.27	III

LEGEND

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

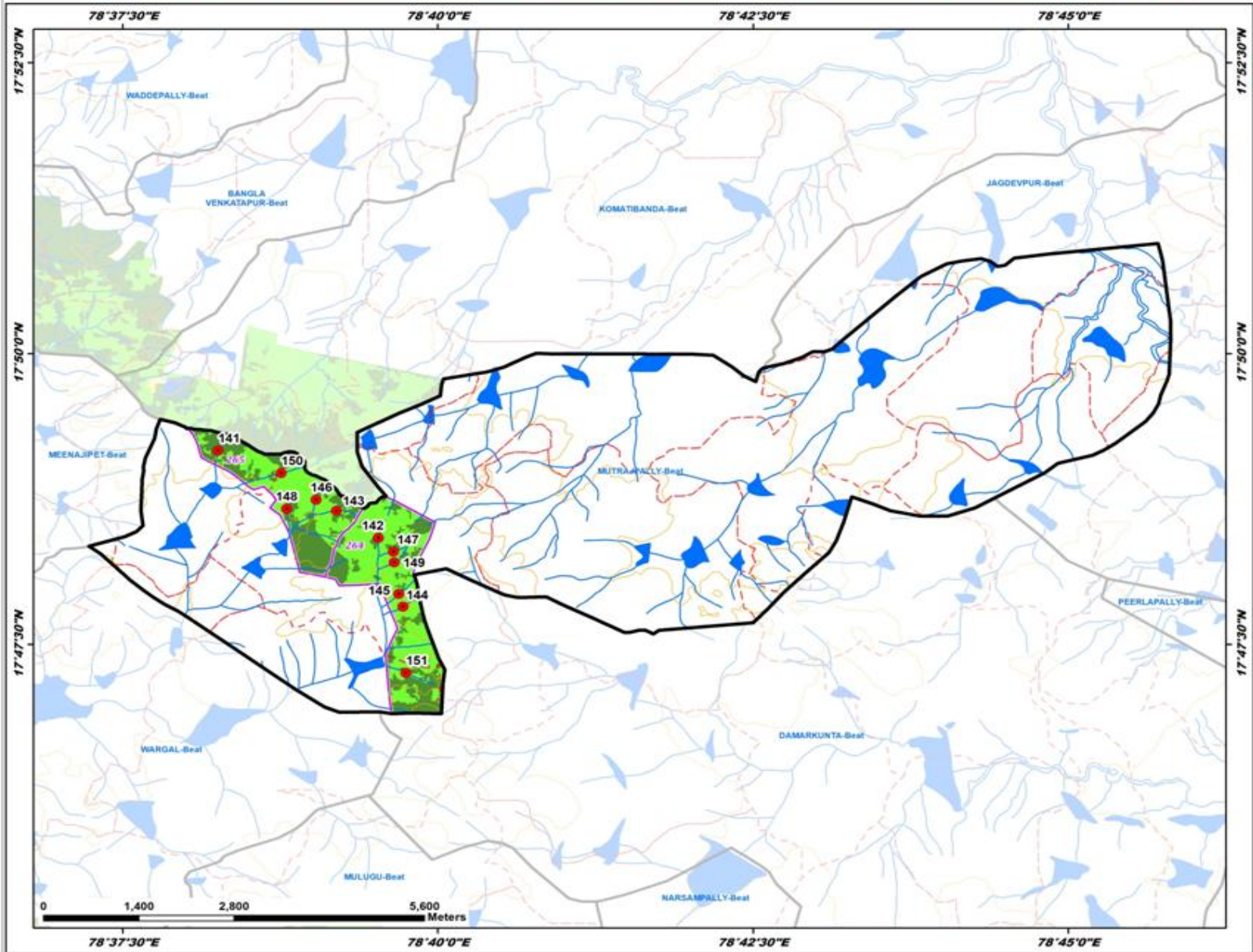
Suitability Index

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

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



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
141	17.819463	78.637630	17.61	I
142	17.806929	78.658800	18.84	II
143	17.810816	78.653279	14.26	II
144	17.797301	78.662055	13.99	II
145	17.798939	78.661522	12.77	II
146	17.812404	78.650578	17.34	II
147	17.804998	78.660821	7.45	II
148	17.811128	78.646679	10.95	II
149	17.803437	78.660911	8.75	II
150	17.816228	78.649552	14.30	II
151	17.787612	78.662450	31.27	III

LEGEND

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

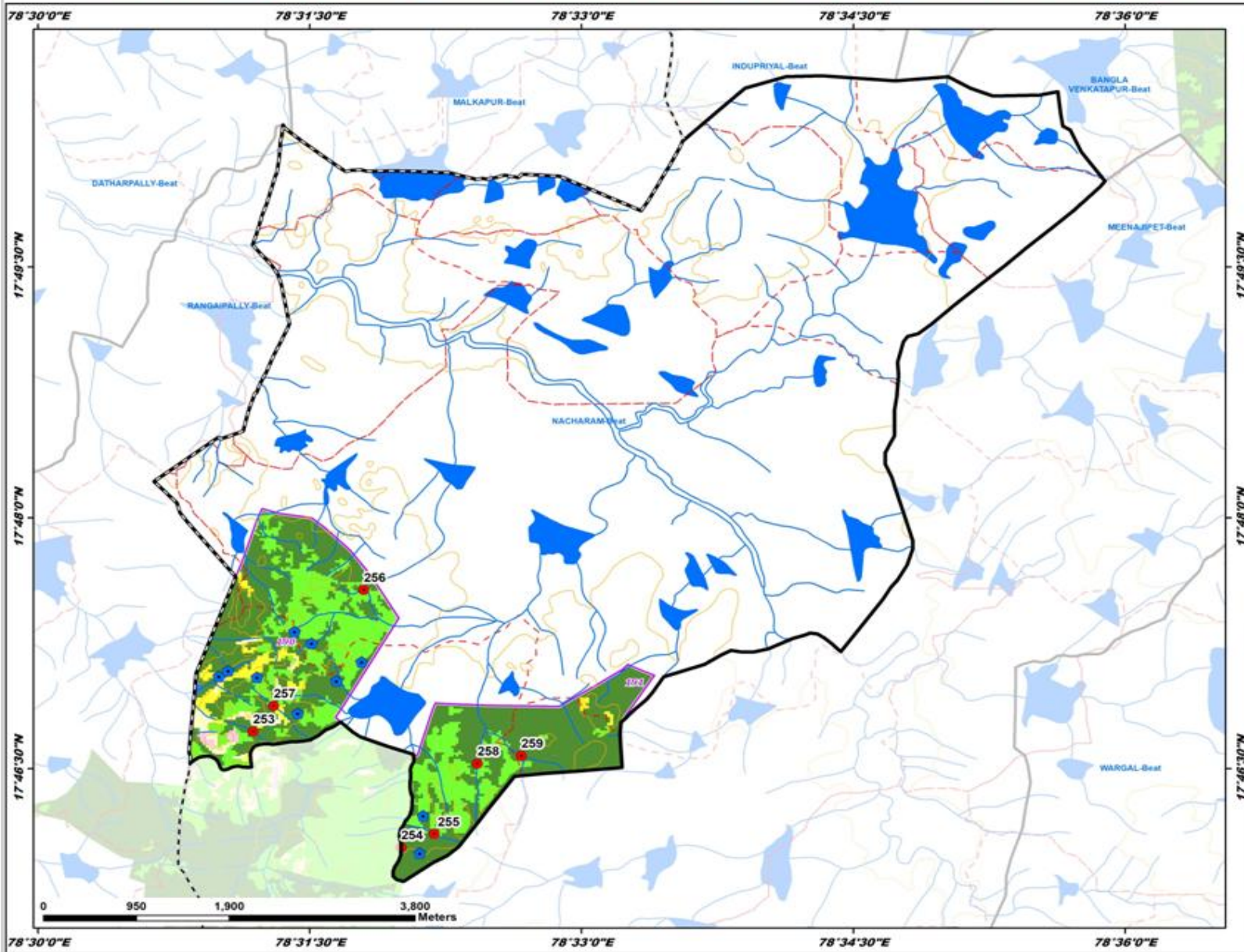
Suitability Index

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

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



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
253	17.728991	78.519778	9.45	I
254	17.767345	78.533402	7.80	I
255	17.768521	78.536458	13.91	I
256	17.792799	78.529999	8.08	I
257	17.781241	78.521691	6.63	II
258	17.775503	78.540428	26.00	II
259	17.776285	78.544461	70.85	III

LEGEND

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

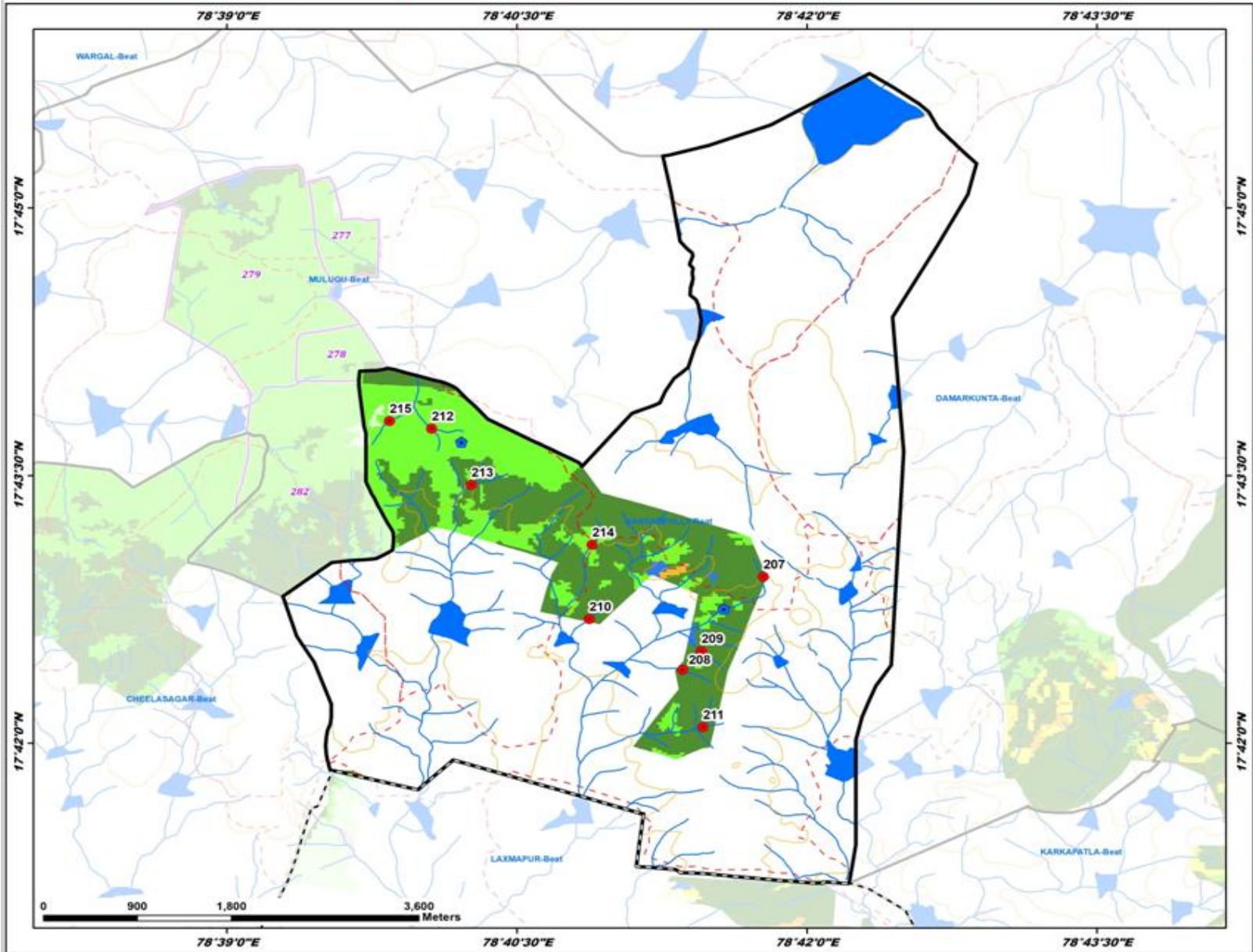
Suitability Index

- 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 Narsampally Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
207	17.715563	78.696252	7.12	I
208	17.706882	78.689291	8.71	I
209	17.708607	78.690901	7.85	I
210	17.711613	78.683242	7.79	I
211	17.701507	78.691945	13.79	I
212	17.729410	78.667656	19.91	II
213	17.724147	78.673589	22.64	II
214	17.718547	78.682501	10.10	II
215	17.730115	78.664029	28.80	III

LEGEND

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

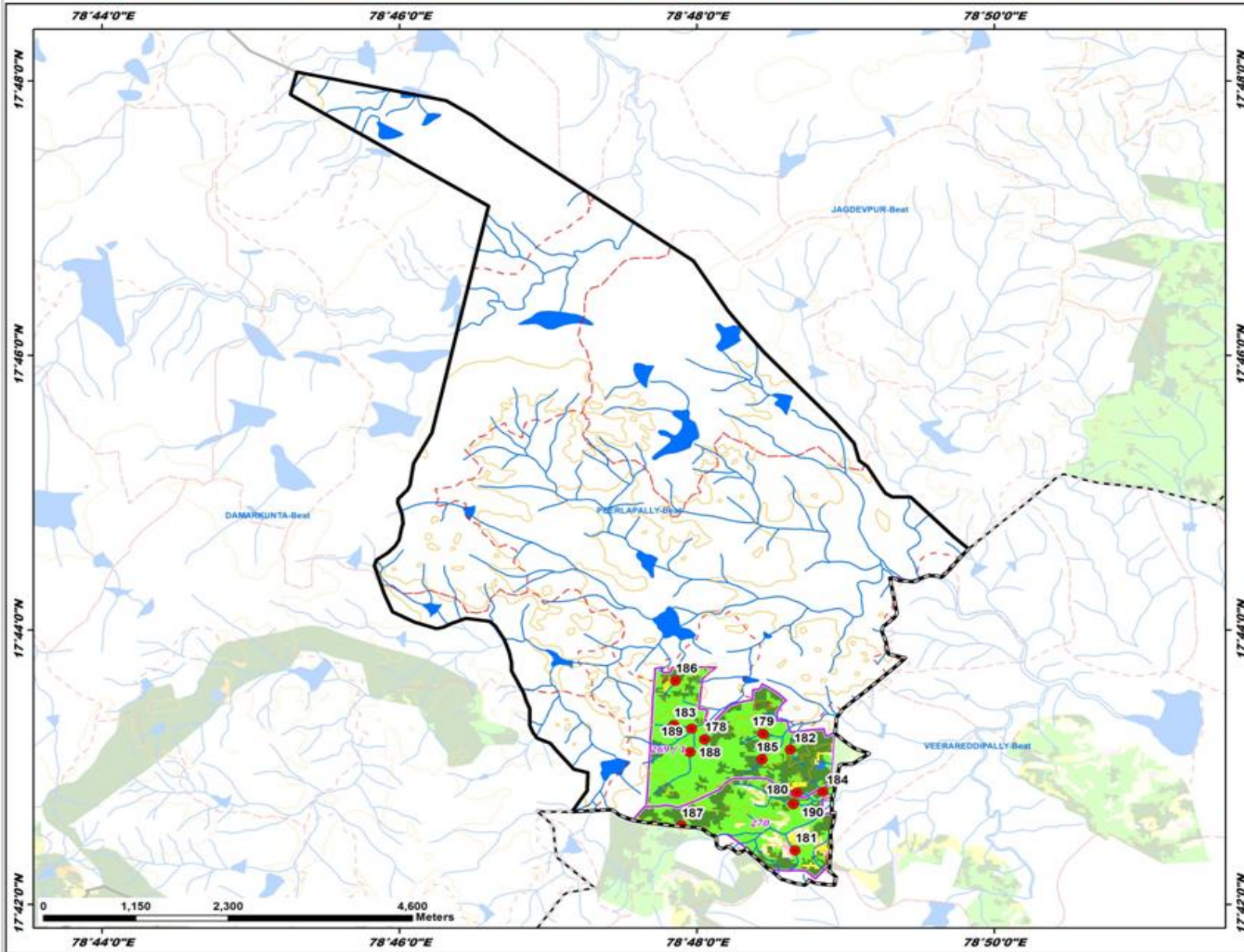
Suitability Index

- 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 Peerlapally Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
178	17.720047	78.800887	9.42	I
179	17.720743	78.807439	10.10	I
180	17.713584	78.811232	6.25	I
181	17.706560	78.811031	7.98	II
182	17.718793	78.810509	8.86	II
183	17.721808	78.797430	10.34	II
184	17.713711	78.814173	5.83	II
185	17.717626	78.807331	28.83	II
186	17.727175	78.797633	9.94	II
187	17.709612	78.798300	16.75	II
188	17.718501	78.799261	40.05	III
189	17.721366	78.799441	36.15	III
190	17.712192	78.810817	32.32	III

LEGEND

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

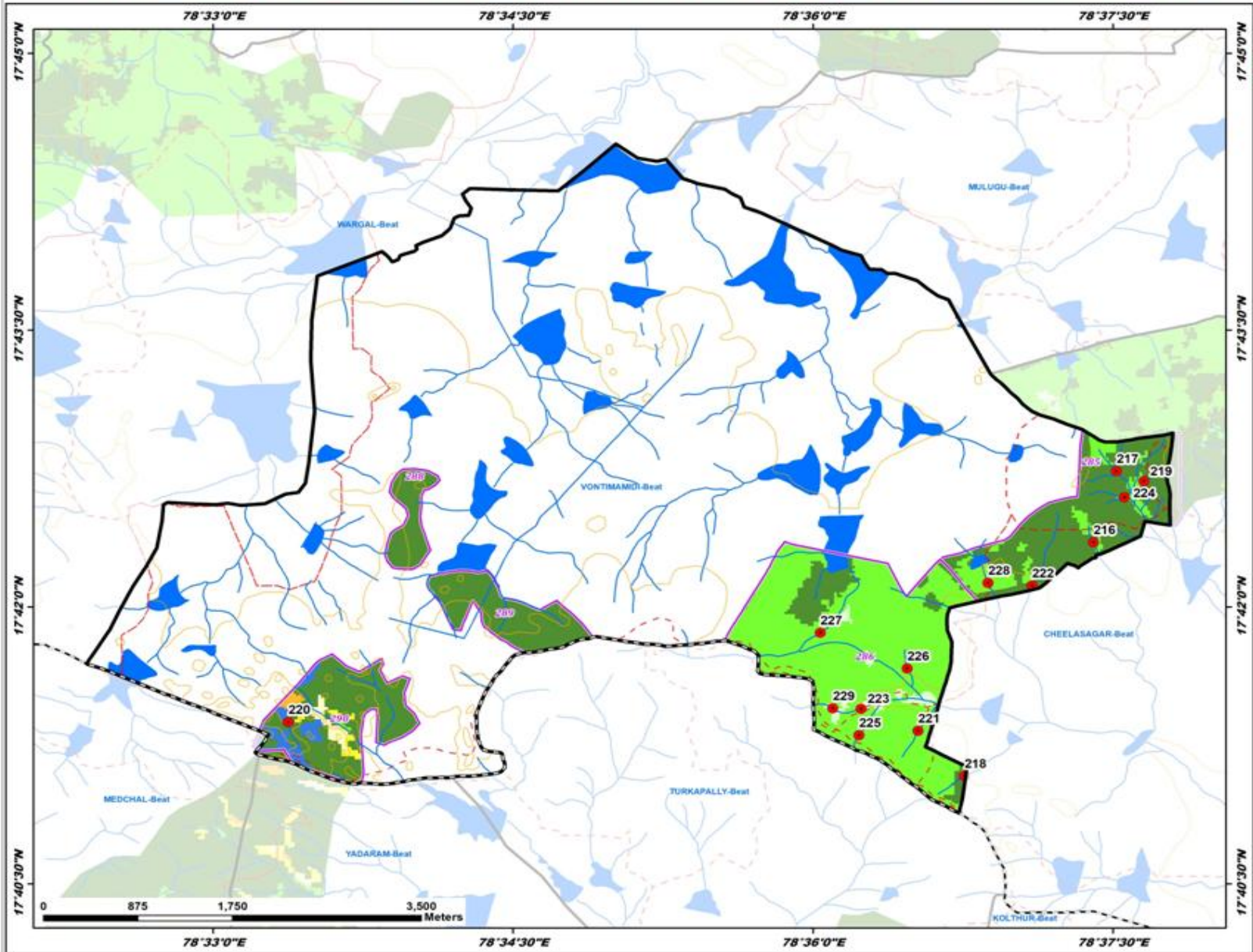
Suitability Index

- 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 Vontimamidi Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
216	17.705846	78.623384	5.92	I
217	17.712275	78.625308	14.29	I
218	17.684753	78.612623	18.53	I
219	17.711365	78.627590	5.44	I
220	17.689624	78.556272	15.92	I
221	17.688818	78.608769	9.81	II
222	17.701934	78.618266	46.59	II
223	17.690818	78.604024	44.93	III
224	17.709922	78.625958	11.04	II
225	17.688429	78.603851	8.40	II
226	17.694448	78.607863	11.07	II
227	17.697689	78.600611	61.44	IV
228	17.702179	78.614591	66.76	IV
229	17.690859	78.601655	34.16	V

LEGEND

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

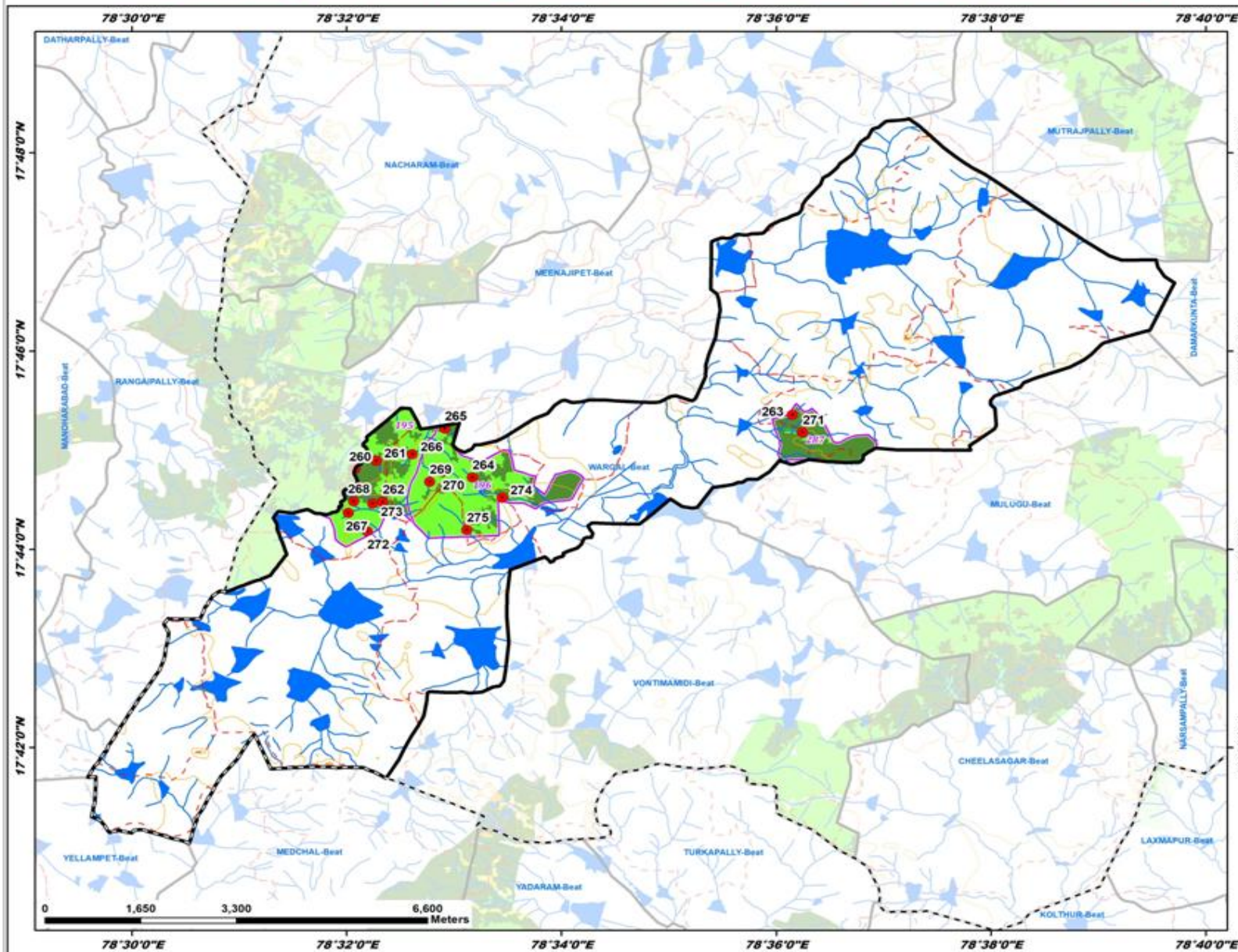
Suitability Index

- 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 Wargal Beat



Division : Siddipet
Range : Gajwel



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
260	17.746858	78.534630	8.58	I
261	17.748240	78.537911	7.39	I
262	17.741318	78.538890	7.64	I
263	17.755982	78.602525	12.36	I
264	17.745434	78.552839	9.74	I
265	17.753661	78.548560	7.49	I
266	17.749336	78.543522	8.22	II
267	17.739468	78.533598	11.70	II
268	17.741410	78.534432	9.55	II
269	17.744716	78.546225	7.19	II
270	17.746329	78.548184	11.09	II
271	17.753009	78.604123	37.08	II
272	17.736391	78.536517	10.17	II
273	17.741041	78.537381	9.88	II
274	17.742037	78.557481	43.94	III
275	17.736590	78.551966	36.98	III

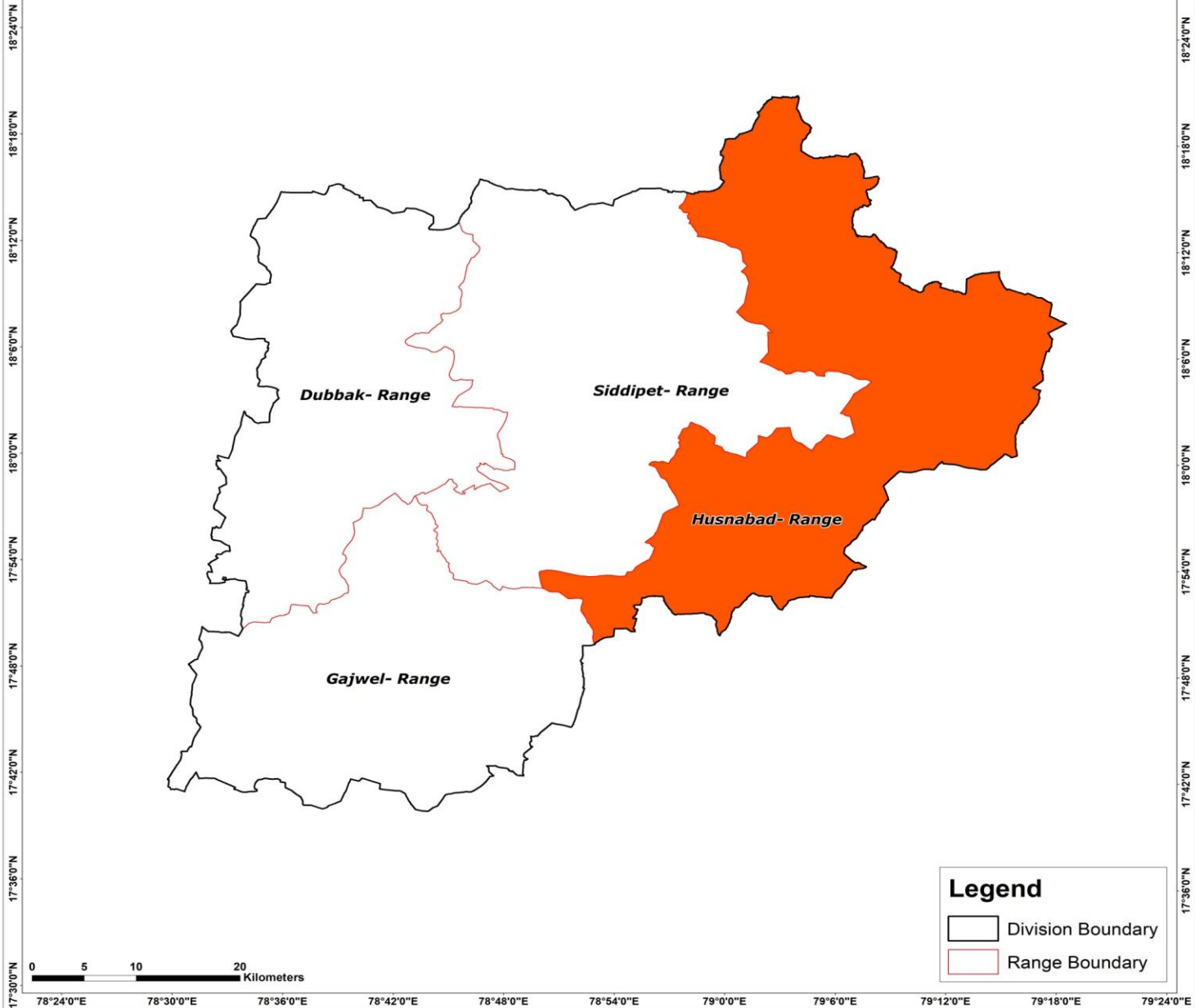
LEGEND

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

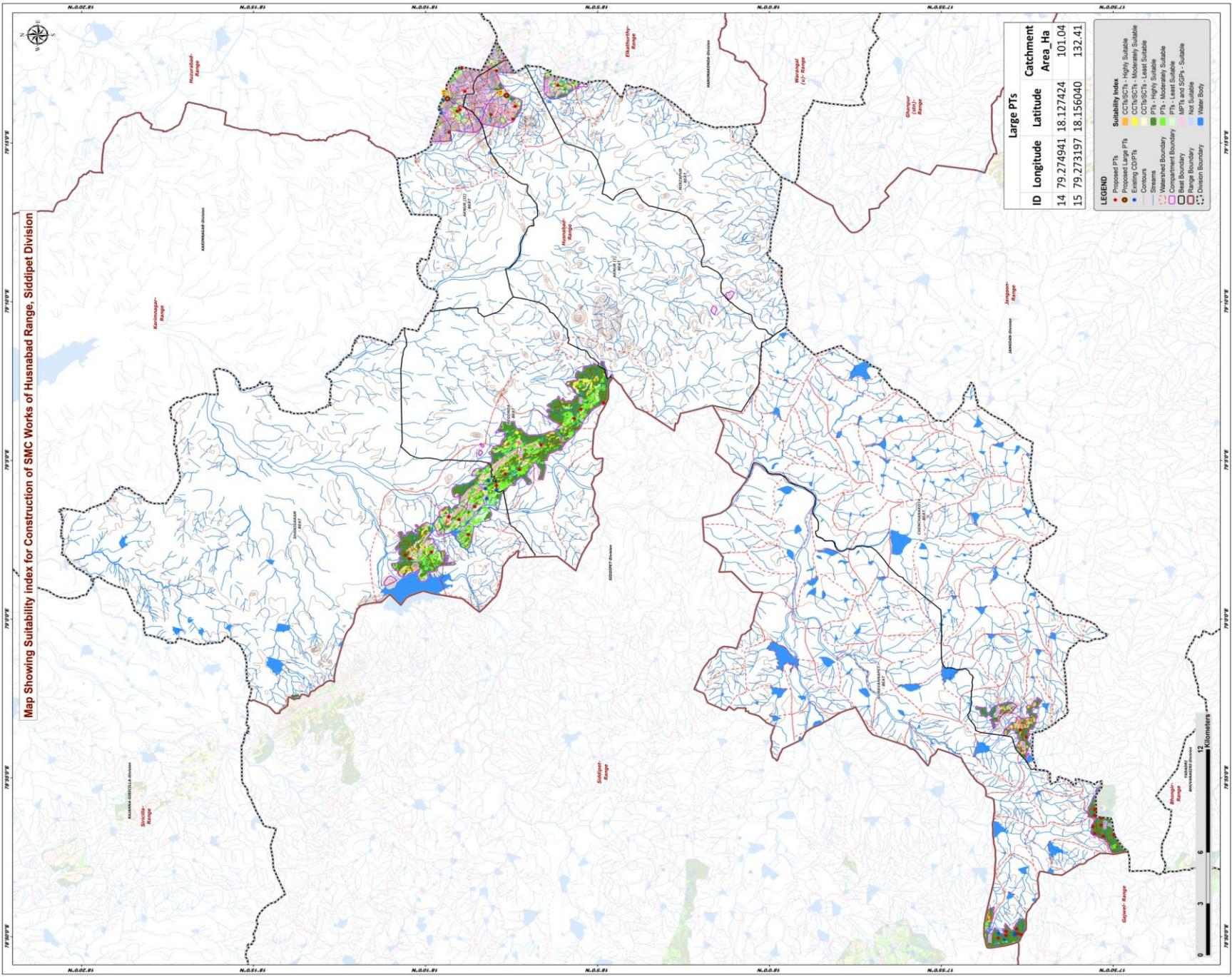
Suitability Index

- 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 Husnabad Range in Siddipet Division



Map Showing Suitability Index for Construction of SMC Works of Husnabad Range, Siddipet Division



Large PTs		Catchment	
ID	Longitude	Latitude	Area Ha
14	79.274941	18.127424	101.04
15	79.273197	18.156040	132.41

- LEGEND**
- Proposed PTs
 - Existing CDPTs
 - Contours
 - Watershed Boundary
 - Compartment Boundary
 - Basal Boundary
 - Range Boundary
 - Division Boundary
- Suitability Index**
- CCT/SC/TS - Highly Suitable
 - CCT/SC/TS - Moderately Suitable
 - CCT/SC/TS - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately Suitable
 - PTs - Least Suitable
 - MPFs and SFPs - Suitable
 - MPFs and SFPs - Not Suitable
 - Water Body

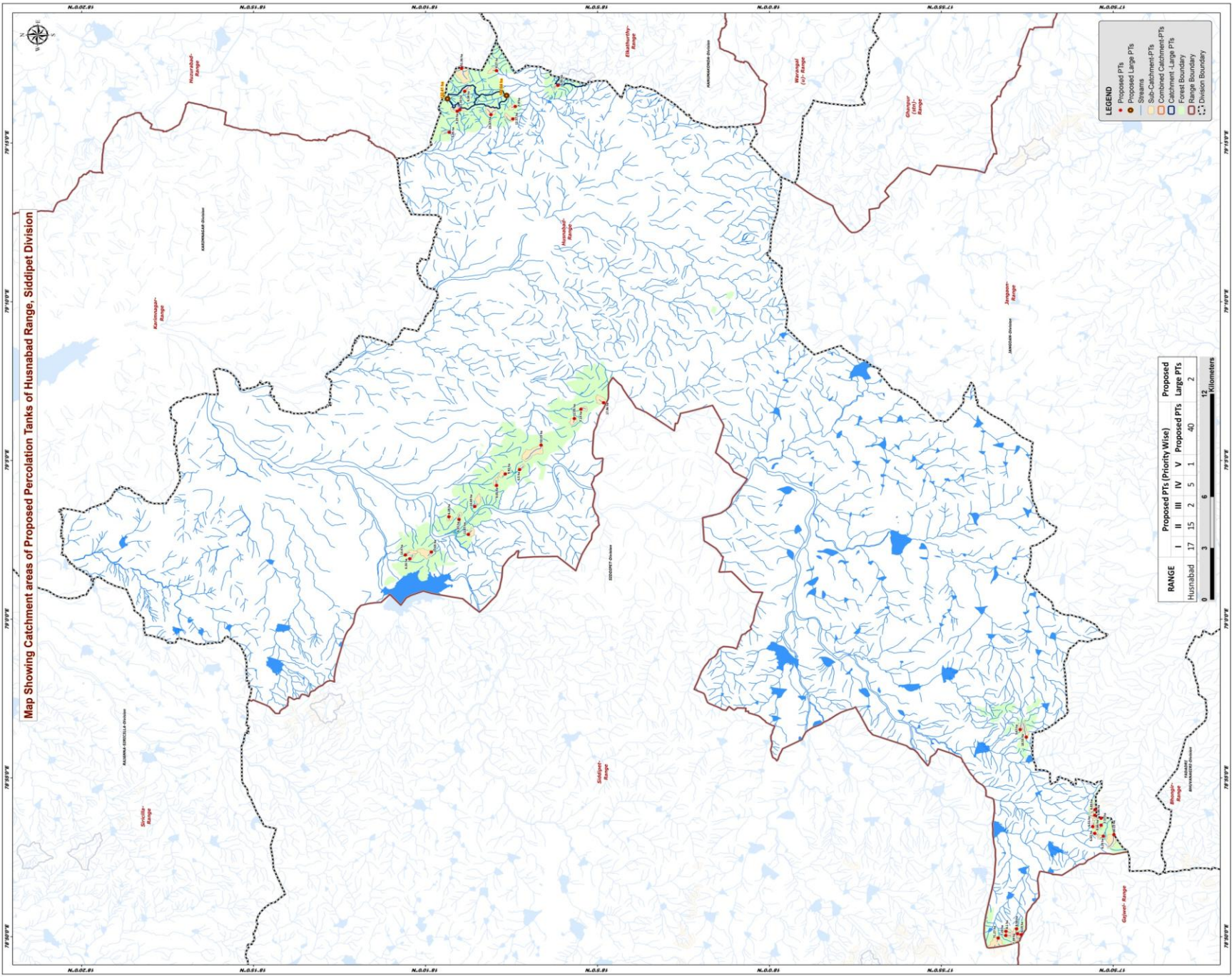


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N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01

79°15'00"E 79°15'00"E 79°15'00"E 79°15'00"E 79°15'00"E 79°15'00"E 79°15'00"E 79°15'00"E 79°15'00"E 79°15'00"E

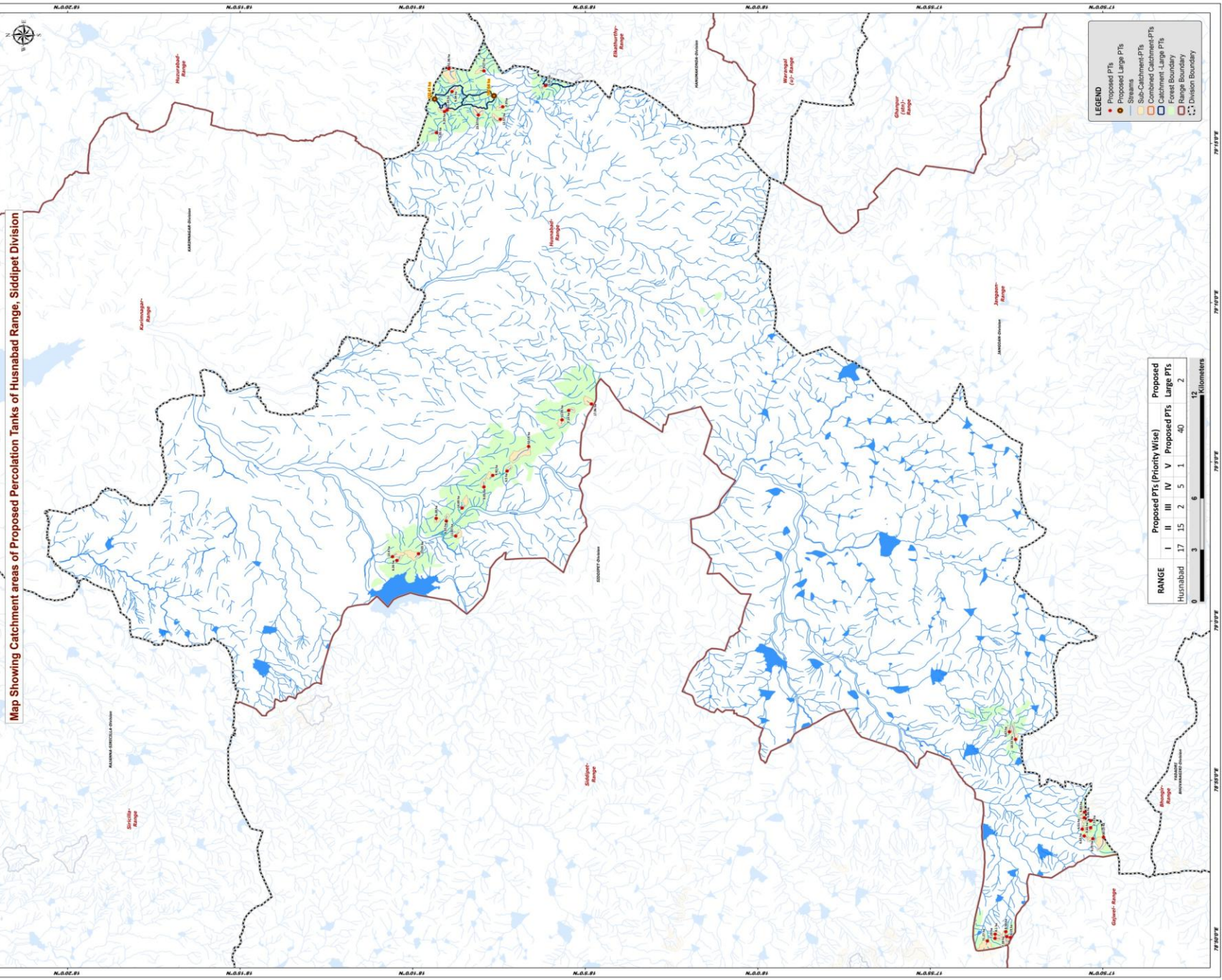
N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01 N.00.01



Map Showing Catchment areas of Proposed Percolation Tanks of Husnabad Range, Suddipet Division

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

RANGE	Proposed PTs (Priority Wise)					Proposed
	I	II	III	IV	V	Large PTs
Husnabad	17	15	2	5	1	40
	0	3	6	6	12	2



Beat wise Abstract of Proposed PT's – Husnabad Range

S. No.	Beat	Proposed PT's
1	AKNUR I	4
2	AKNUR II	5
3	CHENCHANAKOTA	2
4	GURAVANNAPET	14
5	MIRZAPUR	1
6	REGONDA	7
7	SHANIGARAM	7
	Total	40

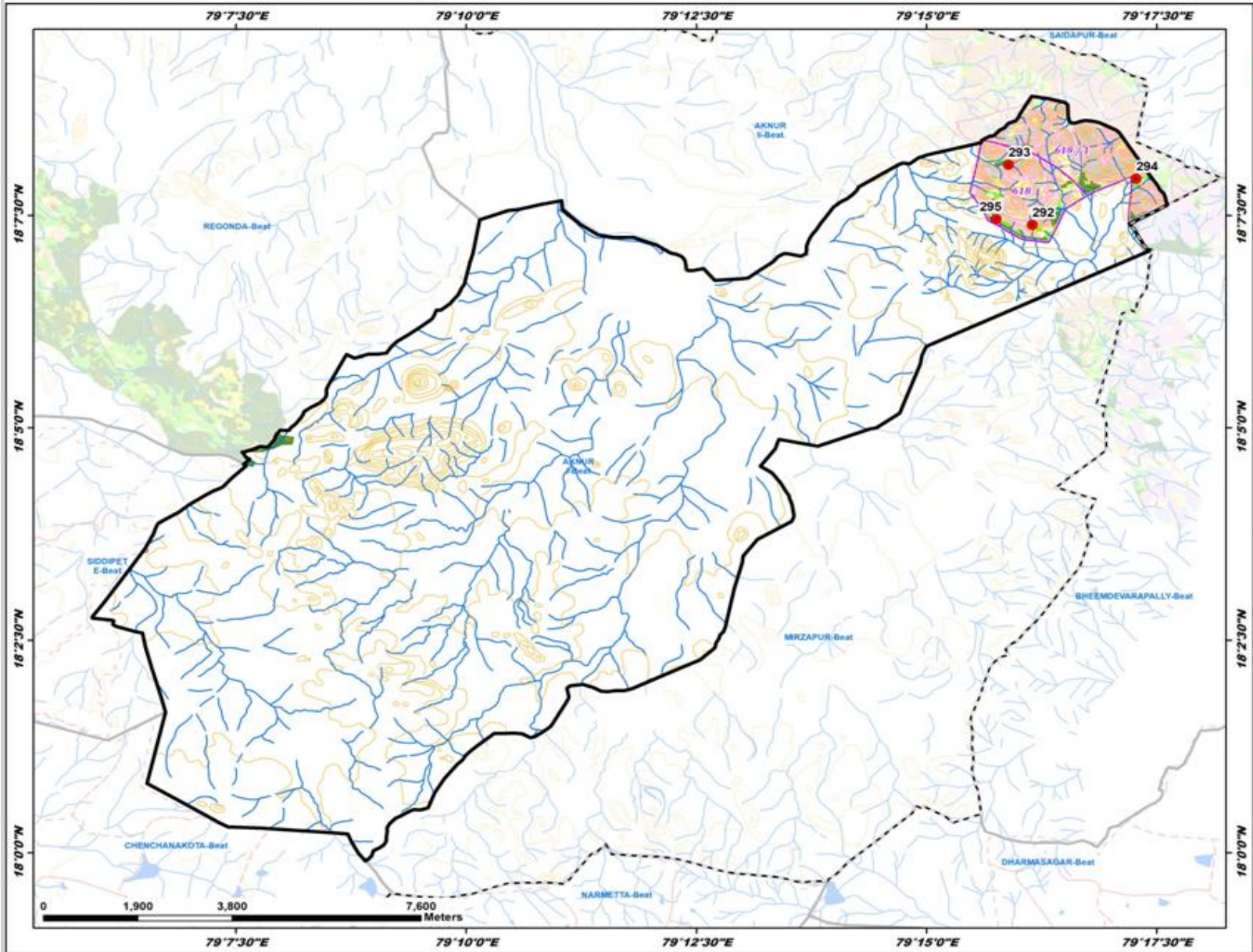
List of Proposed PTs – Husnabad Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
276	17.878433	78.942085	5.67	I	CHENCHANAKOTA
277	17.875491	78.938153	18.55	II	CHENCHANAKOTA
278	17.839200	78.895611	7.57	I	GURAVANNAPET
279	17.885430	78.834028	7.29	I	GURAVANNAPET
280	17.842250	78.897095	6.86	I	GURAVANNAPET
281	17.842293	78.887618	6.65	I	GURAVANNAPET
282	17.879707	78.834983	7.39	I	GURAVANNAPET
283	17.843255	78.891165	6.51	I	GURAVANNAPET
284	17.842142	78.900056	6.83	I	GURAVANNAPET
285	17.877988	78.834491	6.19	I	GURAVANNAPET
286	17.880167	78.837552	8.58	I	GURAVANNAPET
287	17.838133	78.886171	6.29	I	GURAVANNAPET
288	17.839217	78.891931	9.66	I	GURAVANNAPET
289	17.885299	78.836207	8.10	I	GURAVANNAPET
290	17.832957	78.886901	30.15	II	GURAVANNAPET
291	17.889084	78.832672	71.27	III	GURAVANNAPET
292	18.123183	79.269170	7.90	II	AKNUR I
293	18.134974	79.264875	23.87	II	AKNUR I
294	18.132244	79.287970	9.27	IV	AKNUR I
295	18.124325	79.262635	12.57	IV	AKNUR I
296	18.150029	79.267484	11.33	II	AKNUR II
297	18.151298	79.266653	9.29	II	AKNUR II
298	18.155165	79.255605	5.05	IV	AKNUR II
299	18.147663	79.277127	9.39	IV	AKNUR II
300	18.149221	79.289161	51.36	V	AKNUR II
301	18.102515	79.280268	5.95	II	MIRZAPUR
302	18.080359	79.113662	17.96	I	REGONDA
303	18.094533	79.105383	11.05	II	REGONDA
304	18.091334	79.110251	7.14	II	REGONDA
305	18.121071	79.078581	6.50	II	REGONDA
306	18.128014	79.076308	9.92	II	REGONDA
307	18.132249	79.070225	9.05	II	REGONDA
308	18.110647	79.091407	52.19	IV	REGONDA
309	18.176450	79.033757	13.40	I	SHANIGARAM
310	18.150464	79.052370	6.55	I	SHANIGARAM
311	18.174354	79.031758	6.26	I	SHANIGARAM
312	18.155322	79.053808	6.28	II	SHANIGARAM
313	18.142848	79.059208	14.69	II	SHANIGARAM
314	18.145939	79.044563	11.87	II	SHANIGARAM
315	18.163852	79.035304	27.05	III	SHANIGARAM

Map Showing Suitability Index for Construction of SMC Works of Aknur - I Beat



Division : Siddipet
Range : Husnabad



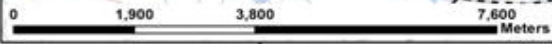
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
292	18.123183	79.269170	7.90	II
293	18.134974	79.264875	23.87	II
294	18.132244	79.287970	9.27	IV
295	18.124325	79.262655	12.57	IV

LEGEND

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

Suitability Index

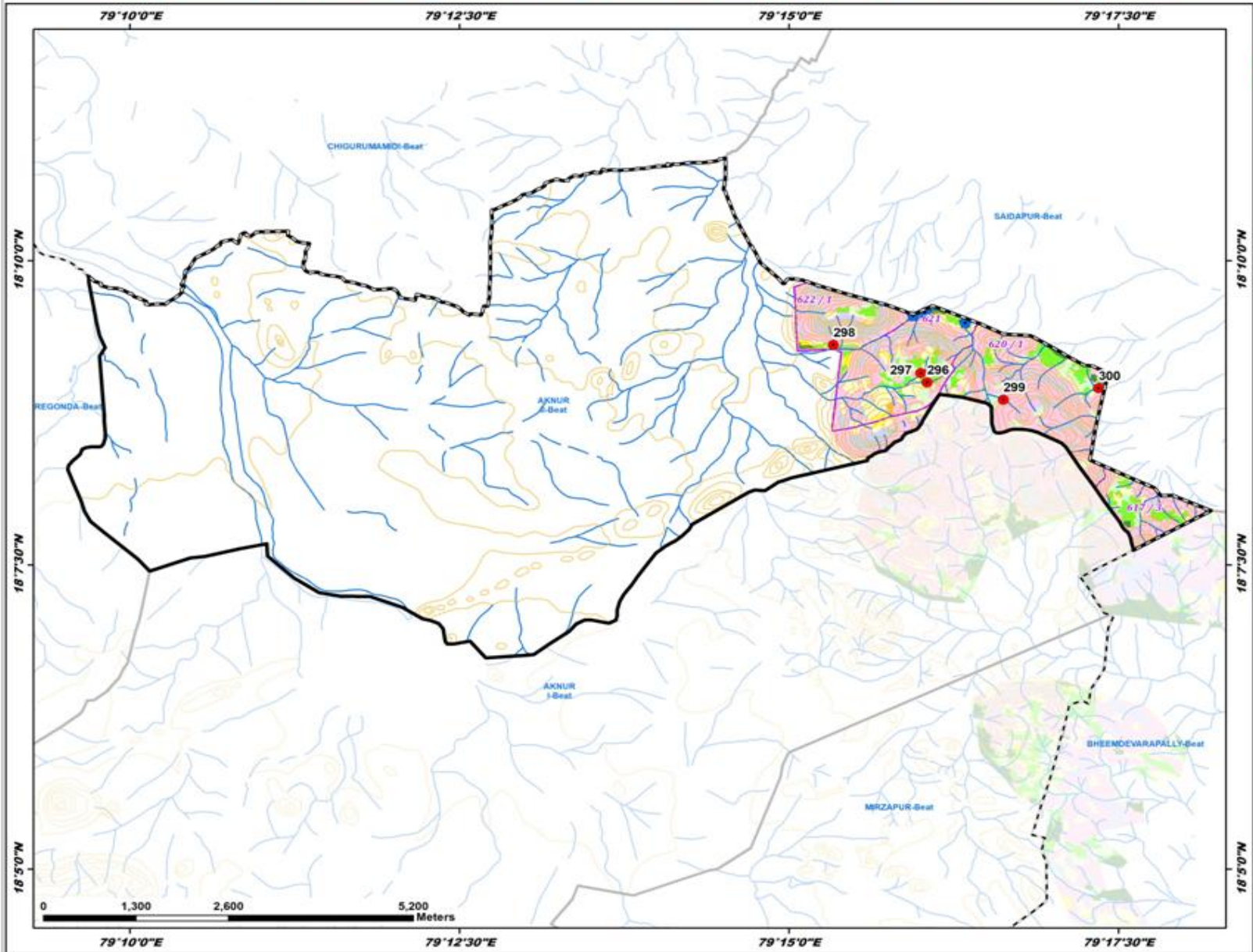
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Suitability Index for Construction of SMC Works of Aknur - II Beat



Division : Siddipet
Range : Husnabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
296	18.150029	79.267484	11.33	II
297	18.151298	79.266653	9.29	II
298	18.155165	79.255605	5.05	IV
299	18.147963	79.277127	9.39	IV
300	18.149221	79.289161	51.36	V

LEGEND

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

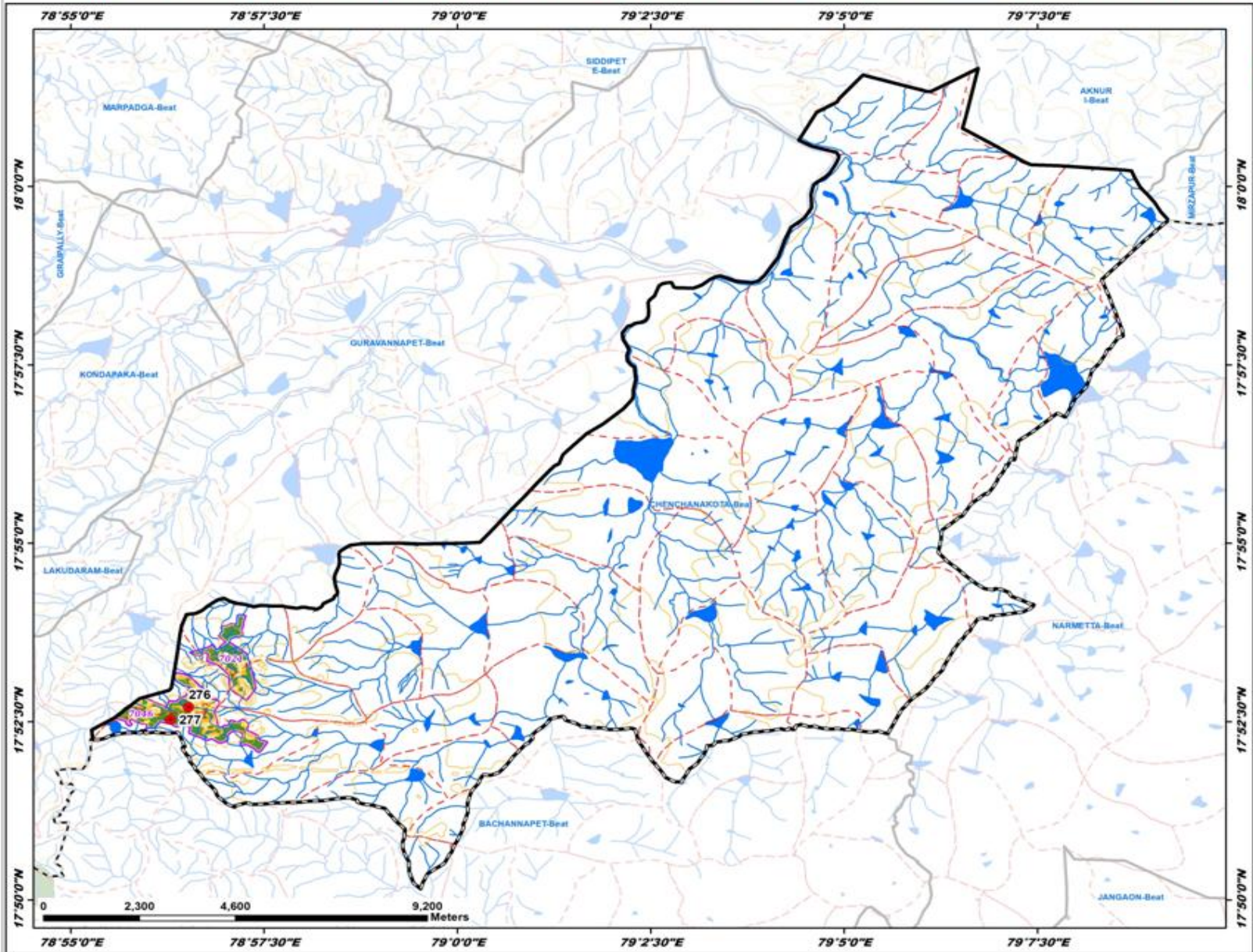
Suitability Index

- 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 Chenchanakota Beat



Division : Siddipet
Range : Husnabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
276	17.878433	78.942085	5.67	I
277	17.875491	78.938153	18.55	II

LEGEND

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

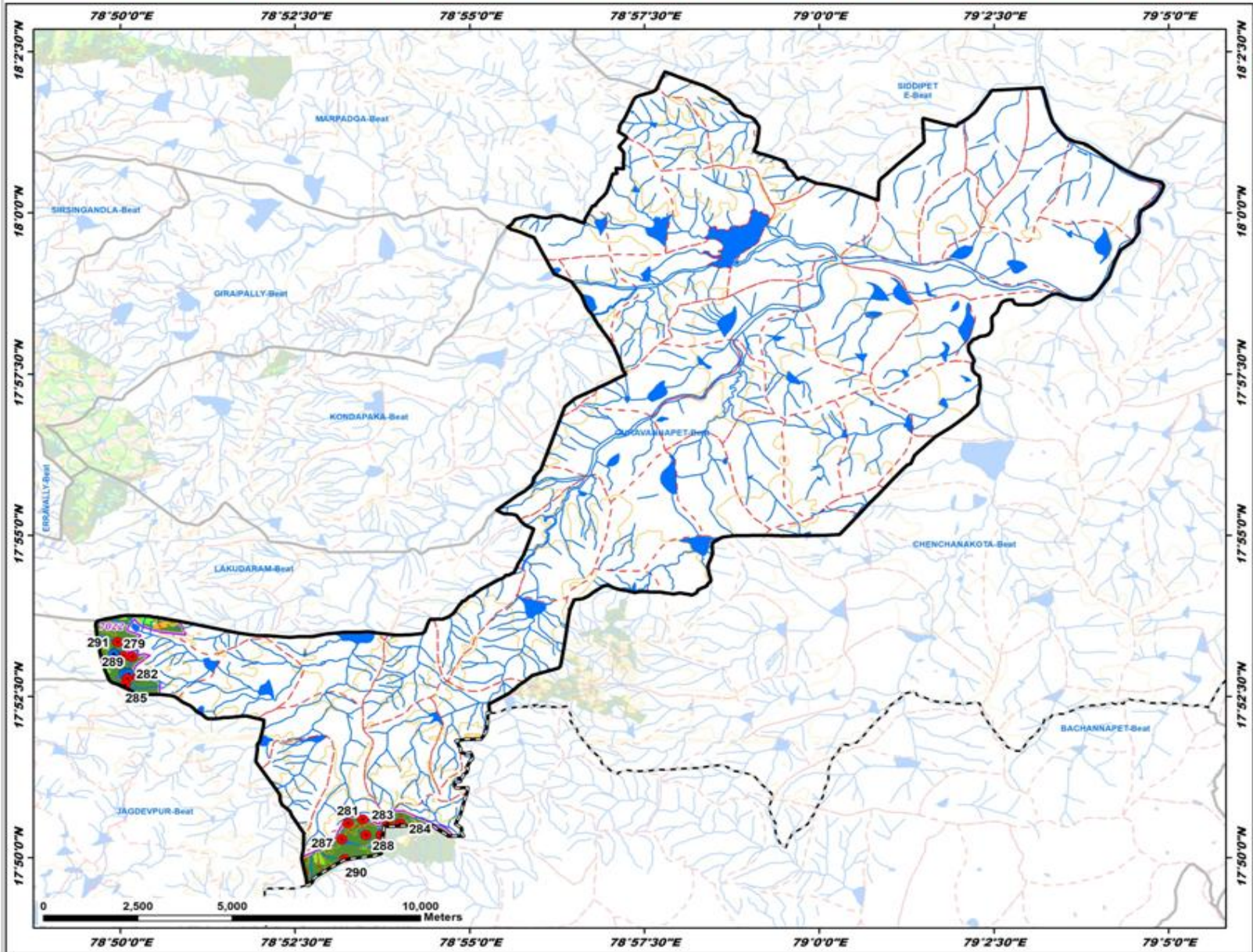
Suitability Index

- 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 Guravannapet Beat



Division : Siddipet
Range : Husnabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
278	17.839200	78.889611	7.57	I
279	17.885430	78.834028	7.29	I
280	17.842250	78.897095	6.86	I
281	17.842295	78.887618	6.65	I
282	17.879707	78.834983	7.39	I
283	17.843255	78.891165	6.51	I
284	17.842142	78.900056	6.83	I
285	17.877988	78.834491	6.19	I
286	17.880167	78.837552	8.58	I
287	17.838113	78.886171	6.29	I
288	17.839217	78.891931	9.66	I
289	17.885299	78.836207	8.10	I
290	17.832957	78.886901	30.15	II
291	17.889084	78.832672	71.27	III

LEGEND

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

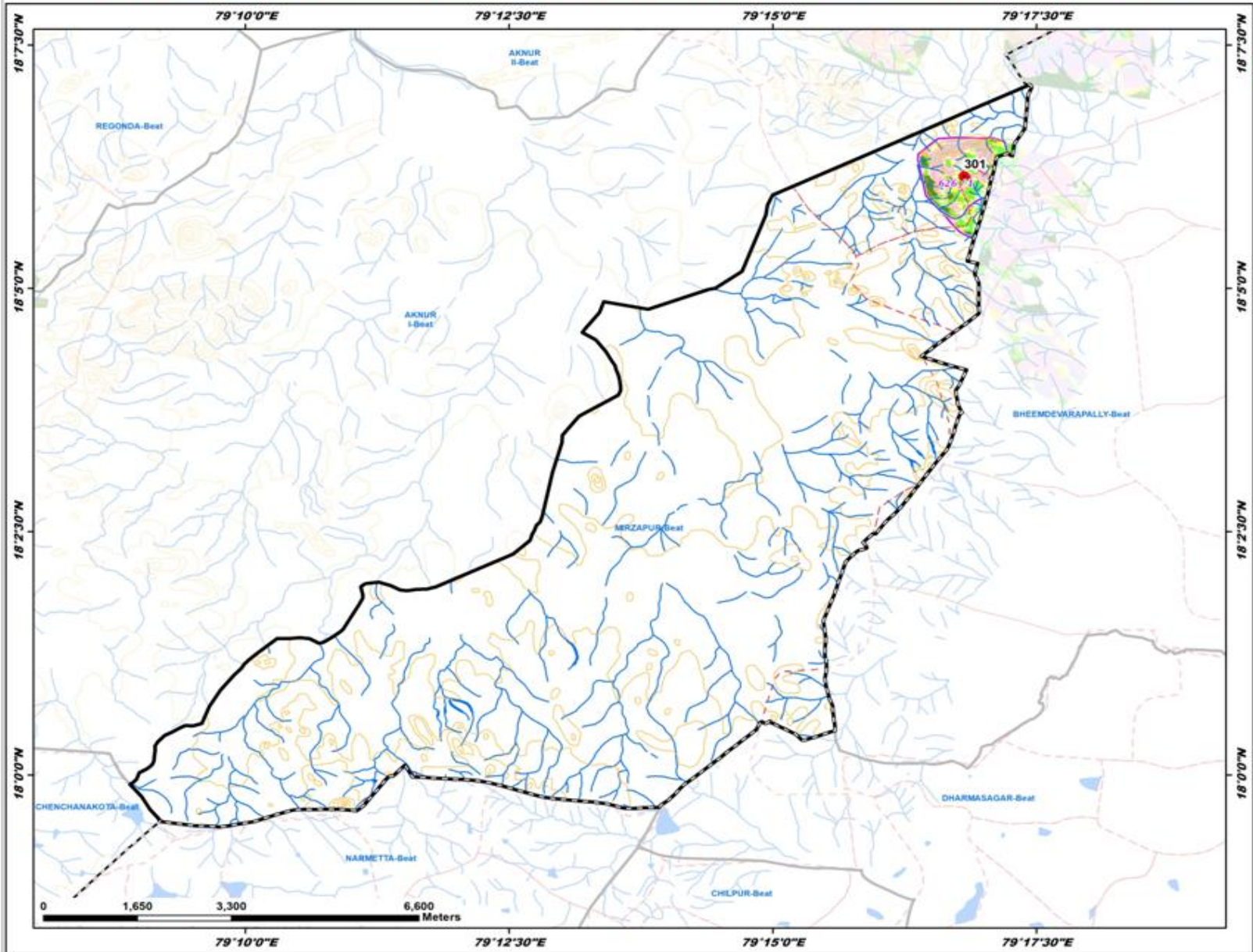
Suitability Index

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

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



Division : Siddipet
Range : Husnabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
301	18.102515	79.280268	5.95	II

LEGEND

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

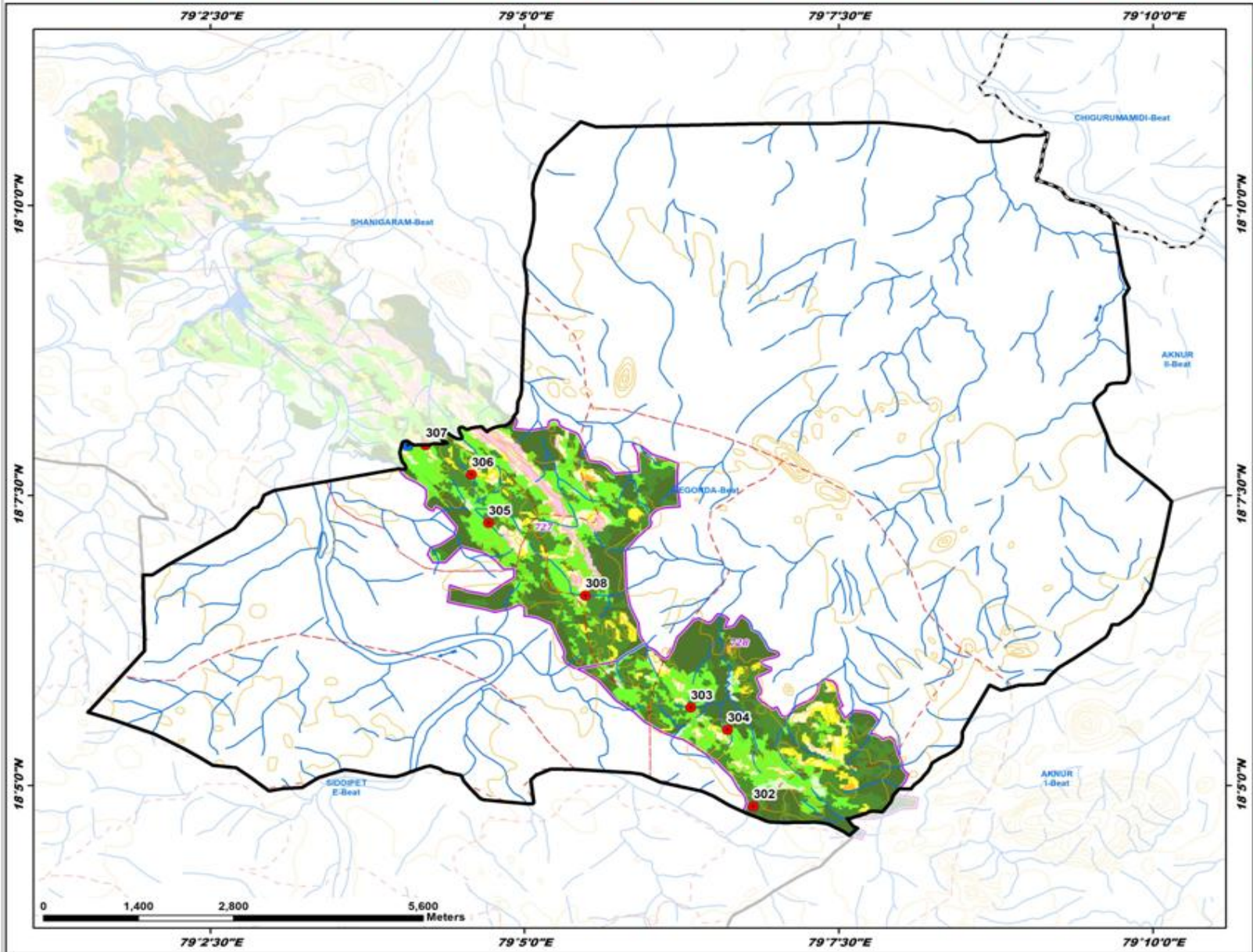
Suitability Index

- 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 Regonda Beat



Division : Siddipet
Range : Husnabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
302	18.080359	79.113662	17.96	I
303	18.094533	79.105383	11.05	II
304	18.091334	79.110251	7.14	II
305	18.121071	79.078581	6.50	II
306	18.128014	79.076308	9.92	II
307	18.132249	79.070225	9.05	II
308	18.110647	79.091407	52.19	IV

LEGEND

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

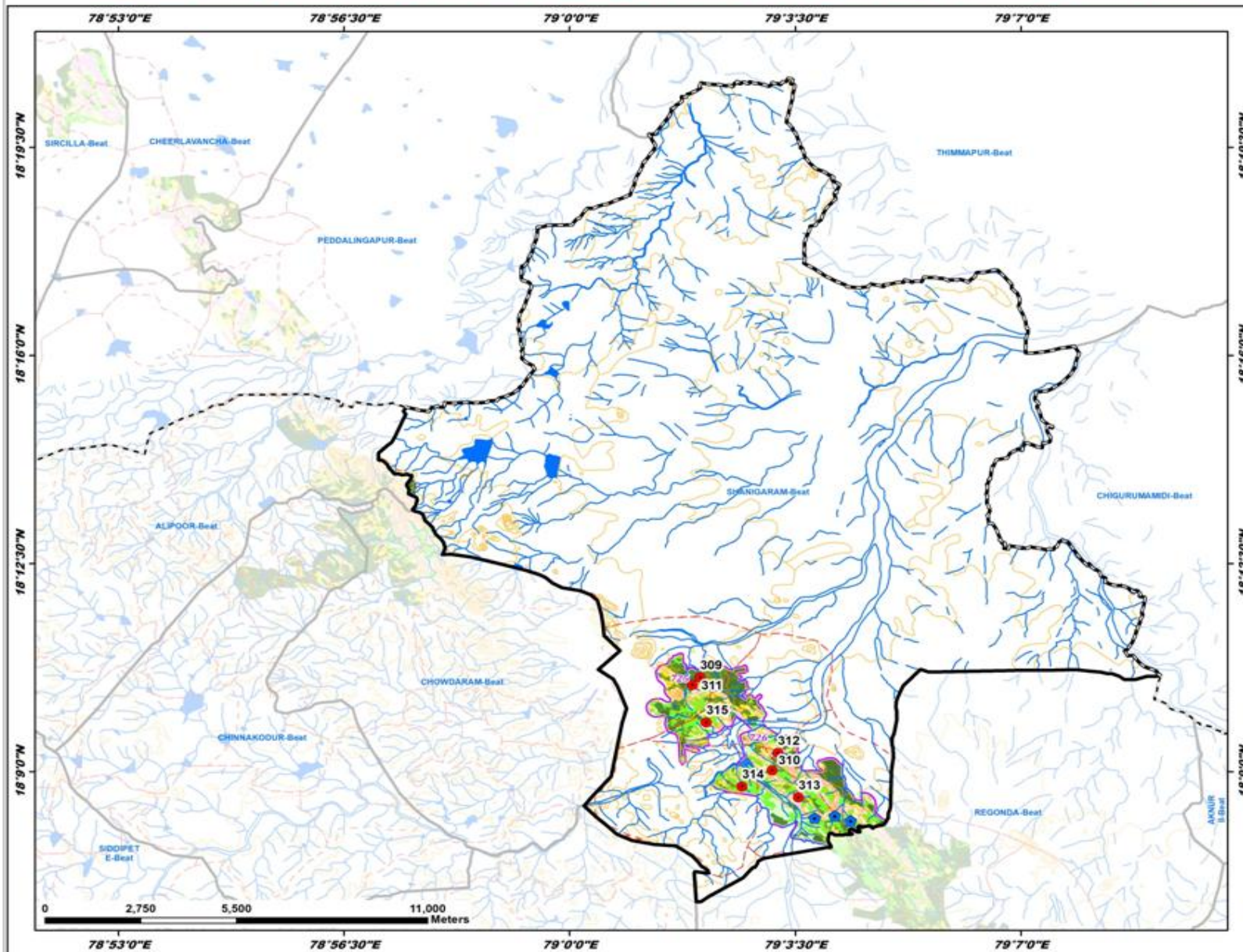
Suitability Index

- 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 Shanigaram Beat



Division : Siddipet
Range : Husnabad



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
309	18.176450	79.033757	13.40	I
310	18.150464	79.052370	6.55	I
311	18.174354	79.031758	6.26	I
312	18.155322	79.053808	6.28	II
313	18.142848	79.059208	14.69	II
314	18.145939	79.044563	11.87	II
315	18.163852	79.035304	27.05	III

LEGEND

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

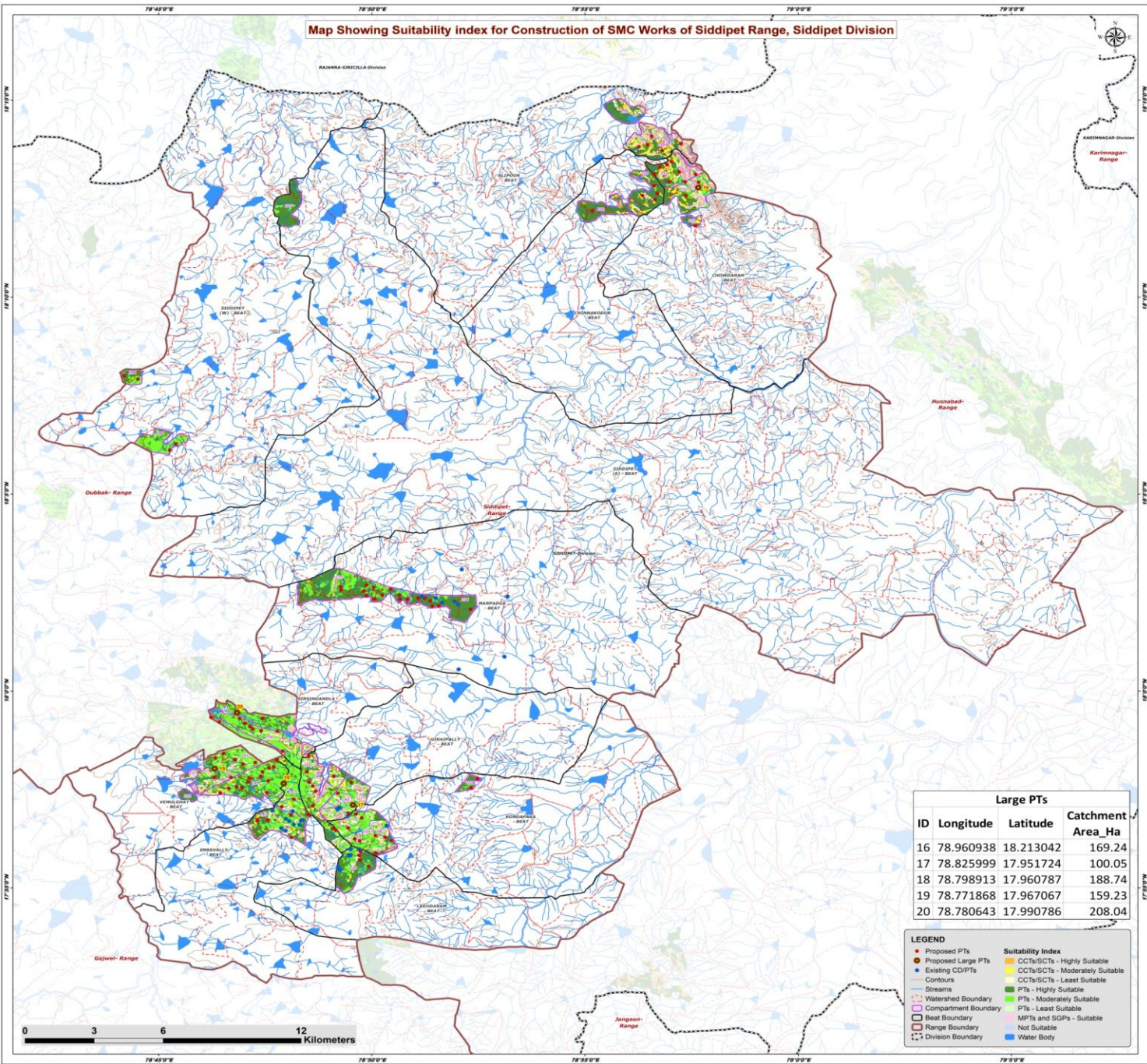
Suitability Index

- 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 Siddipet Range in Siddipet Division



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



Large PTs			
ID	Longitude	Latitude	Catchment Area_Ha
16	78.960938	18.213042	169.24
17	78.825999	17.951724	100.05
18	78.798913	17.960787	188.74
19	78.771868	17.967067	159.23
20	78.780643	17.990786	208.04

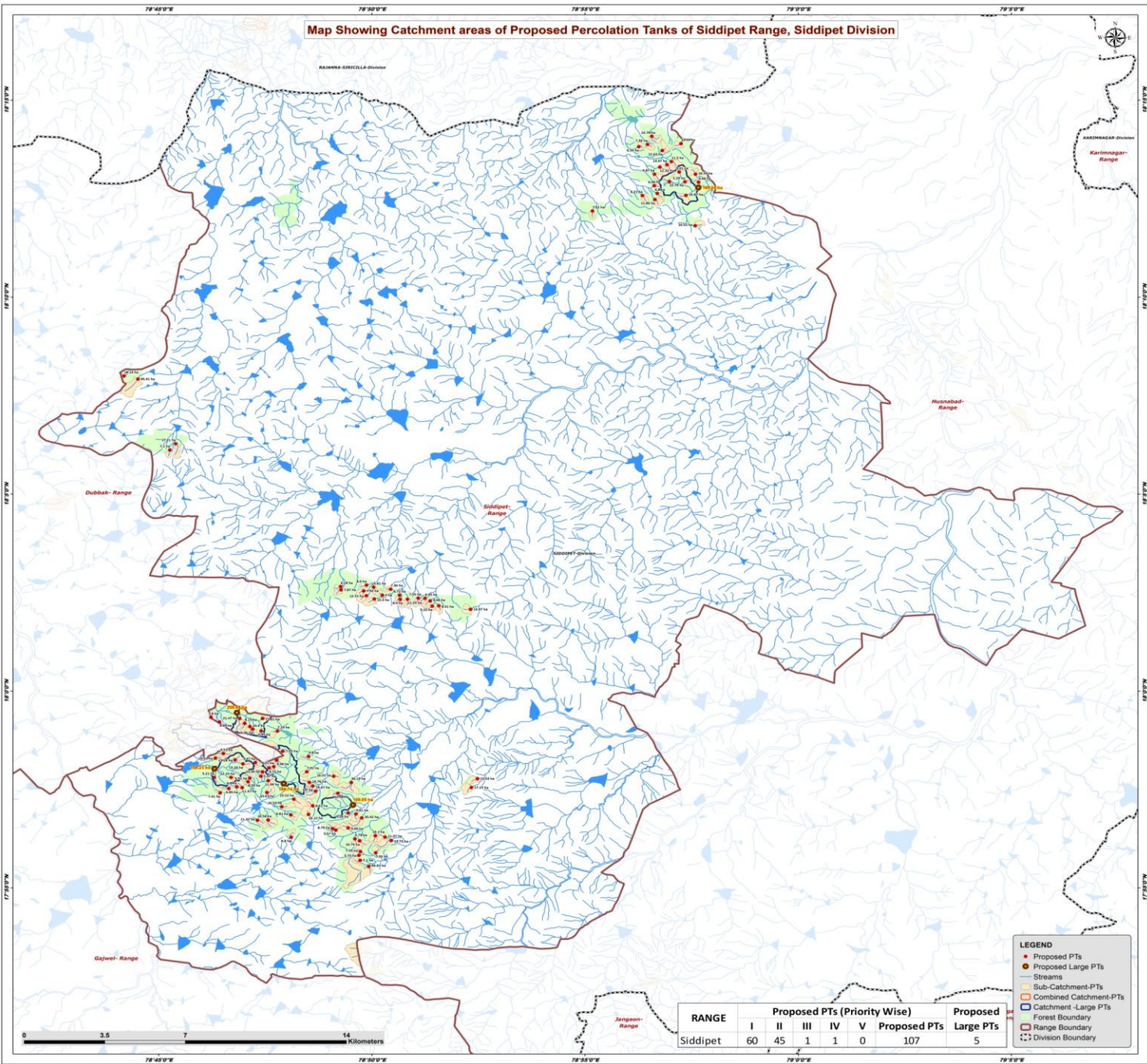
LEGEND

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

Suitability Index

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

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



RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
	I	II	III	IV	V		
Siddipet	60	45	1	1	0	107	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 – Siddipet Range

S. No.	Beat	Proposed PT's
1	ALIPOOR	5
2	CHINNAKODUR	5
3	CHOWDARAM	11
4	ERRAVALLY	6
5	GIRAIPALLY	12
6	KONDAPAKA	11
7	LAKUDARAM	4
8	MARPADGA	18
9	SIDDIPET W	4
10	SIRSINGANDLA	11
11	VEMULGHAT	20
	Total	107

List of Proposed PTs – Siddipet Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
316	18.231629	78.954211	10.59	I	ALIPOOR
317	18.228684	78.946899	12.63	I	ALIPOOR
318	18.231275	78.941116	7.38	I	ALIPOOR
319	18.230331	78.937692	6.34	I	ALIPOOR
320	18.234702	78.942778	14.78	I	ALIPOOR
321	18.207959	78.944009	11.86	I	CHINNAKODUR
322	18.210569	78.944936	6.80	I	CHINNAKODUR
323	18.209649	78.939154	8.21	I	CHINNAKODUR
324	18.213800	78.943757	6.06	I	CHINNAKODUR
325	18.203110	78.919594	7.62	I	CHINNAKODUR
326	18.222707	78.948739	14.07	I	CHOWDARAM
327	18.218680	78.943844	9.87	I	CHOWDARAM
328	18.196847	78.959740	10.52	I	CHOWDARAM
329	18.215563	78.949660	12.79	I	CHOWDARAM
330	18.221711	78.945918	11.32	I	CHOWDARAM
331	18.224023	78.950461	11.50	I	CHOWDARAM
332	18.215432	78.955715	5.29	I	CHOWDARAM
333	18.215295	78.961067	6.66	II	CHOWDARAM
334	18.209724	78.956141	16.87	II	CHOWDARAM
335	18.219578	78.953506	9.01	II	CHOWDARAM
336	18.218689	78.959851	16.59	II	CHOWDARAM
337	17.961277	78.808938	14.76	I	GIRAIPALLY
338	17.947724	78.808592	14.12	I	GIRAIPALLY
339	17.957583	78.811417	19.67	I	GIRAIPALLY
340	17.941094	78.819254	5.57	II	GIRAIPALLY
341	17.959742	78.810276	6.70	II	GIRAIPALLY
342	17.965778	78.807921	7.91	II	GIRAIPALLY
343	17.956688	78.820060	12.48	II	GIRAIPALLY
344	17.951361	78.810258	8.61	II	GIRAIPALLY
345	17.963869	78.818454	16.01	II	GIRAIPALLY
346	17.948352	78.824133	5.28	II	GIRAIPALLY
347	17.941685	78.817971	8.79	II	GIRAIPALLY
348	17.961265	78.825301	30.19	II	GIRAIPALLY
349	17.936672	78.840944	19.73	I	KONDAPAKA
350	17.947893	78.827142	9.81	I	KONDAPAKA
351	17.931462	78.834852	7.93	I	KONDAPAKA
352	17.962849	78.874623	12.53	I	KONDAPAKA
353	17.937371	78.826720	5.79	II	KONDAPAKA
354	17.946244	78.829425	20.42	II	KONDAPAKA
355	17.936527	78.828616	10.75	II	KONDAPAKA

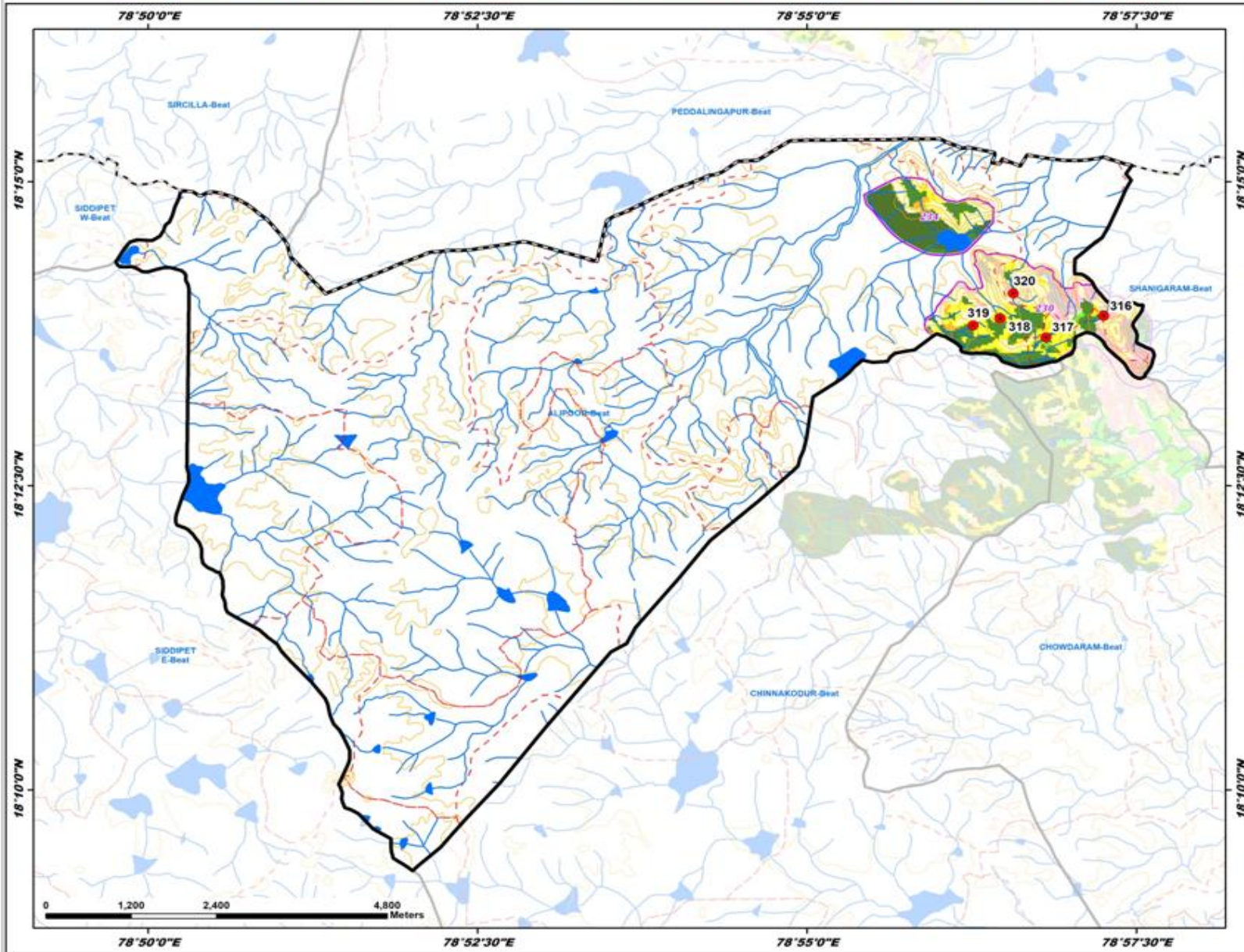
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
356	17.938722	78.834727	10.10	II	KONDAPAKA
357	17.938152	78.838500	11.07	II	KONDAPAKA
358	17.959114	78.872274	17.15	II	KONDAPAKA
359	17.942033	78.824115	9.69	II	KONDAPAKA
360	17.931976	78.828895	7.59	I	LAKUDARAM
361	17.928306	78.828774	7.10	I	LAKUDARAM
362	17.930423	78.828340	5.73	I	LAKUDARAM
363	17.925705	78.832148	94.81	IV	LAKUDARAM
364	17.938030	78.801805	8.80	I	ERRAVALLY
365	17.947566	78.801692	8.81	I	ERRAVALLY
366	17.945248	78.788633	11.32	I	ERRAVALLY
367	17.954186	78.802855	23.52	II	ERRAVALLY
368	17.950978	78.798129	10.53	II	ERRAVALLY
369	17.945388	78.792800	16.56	II	ERRAVALLY
370	17.959063	78.782668	11.47	I	VEMULGHAT
371	17.959389	78.780535	6.10	I	VEMULGHAT
372	17.970624	78.796179	9.46	I	VEMULGHAT
373	17.963399	78.771771	5.21	I	VEMULGHAT
374	17.956998	78.792339	10.67	I	VEMULGHAT
375	17.961527	78.784960	8.29	I	VEMULGHAT
376	17.963099	78.785637	6.92	I	VEMULGHAT
377	17.962015	78.792873	11.04	I	VEMULGHAT
378	17.958689	78.777454	6.85	II	VEMULGHAT
379	17.971560	78.772215	10.51	II	VEMULGHAT
380	17.967928	78.795012	8.01	II	VEMULGHAT
381	17.970783	78.779933	13.18	II	VEMULGHAT
382	17.965711	78.790644	10.06	II	VEMULGHAT
383	17.969656	78.787780	5.47	II	VEMULGHAT
384	17.963367	78.778327	12.23	II	VEMULGHAT
385	17.963871	78.789989	5.97	II	VEMULGHAT
386	17.956868	78.774076	7.41	II	VEMULGHAT
387	17.969117	78.782991	13.24	II	VEMULGHAT
388	17.973534	78.775325	9.51	II	VEMULGHAT
389	17.967416	78.793208	8.15	II	VEMULGHAT
390	18.042741	78.821341	7.87	I	MARPADGA
391	18.038879	78.834297	15.30	I	MARPADGA
392	18.043880	78.834067	5.81	I	MARPADGA
393	18.034525	78.871959	13.97	I	MARPADGA
394	18.038744	78.844437	8.40	I	MARPADGA
395	18.040543	78.844179	6.72	I	MARPADGA

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
396	18.039203	78.854169	6.95	I	MARPADGA
397	18.044743	78.831280	8.60	I	MARPADGA
398	18.039286	78.851472	7.55	I	MARPADGA
399	18.038109	78.856169	8.66	I	MARPADGA
400	18.044155	78.821147	6.18	I	MARPADGA
401	18.040261	78.831253	12.51	I	MARPADGA
402	18.036026	78.859530	8.41	I	MARPADGA
403	18.043049	78.840708	7.36	I	MARPADGA
404	18.035864	78.856982	9.25	I	MARPADGA
405	18.042302	78.830168	7.92	I	MARPADGA
406	18.038829	78.847280	11.25	I	MARPADGA
407	18.040486	78.837455	7.00	II	MARPADGA
408	18.101965	78.754416	7.10	I	SIDDIPET W
409	18.133297	78.736528	18.14	I	SIDDIPET W
410	18.104587	78.756653	17.21	II	SIDDIPET W
411	18.131986	78.741913	45.41	III	SIDDIPET W
412	17.986236	78.783679	8.15	I	SIRSINGANDLA
413	17.988365	78.790695	12.61	I	SIRSINGANDLA
414	17.972253	78.808637	5.80	I	SIRSINGANDLA
415	17.988322	78.781716	21.47	II	SIRSINGANDLA
416	17.986860	78.773806	5.39	II	SIRSINGANDLA
417	17.988787	78.770471	7.80	II	SIRSINGANDLA
418	17.983856	78.786821	6.46	II	SIRSINGANDLA
419	17.974504	78.798548	7.05	II	SIRSINGANDLA
420	17.982973	78.796454	7.29	II	SIRSINGANDLA
421	17.983089	78.790108	5.45	II	SIRSINGANDLA
422	17.984913	78.785675	10.40	II	SIRSINGANDLA

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



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
316	18.231629	78.954211	10.59	I
317	18.228684	78.946899	12.63	I
318	18.231275	78.941116	7.38	I
319	18.230331	78.937692	6.34	I
320	18.234702	78.942778	14.78	I

LEGEND

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

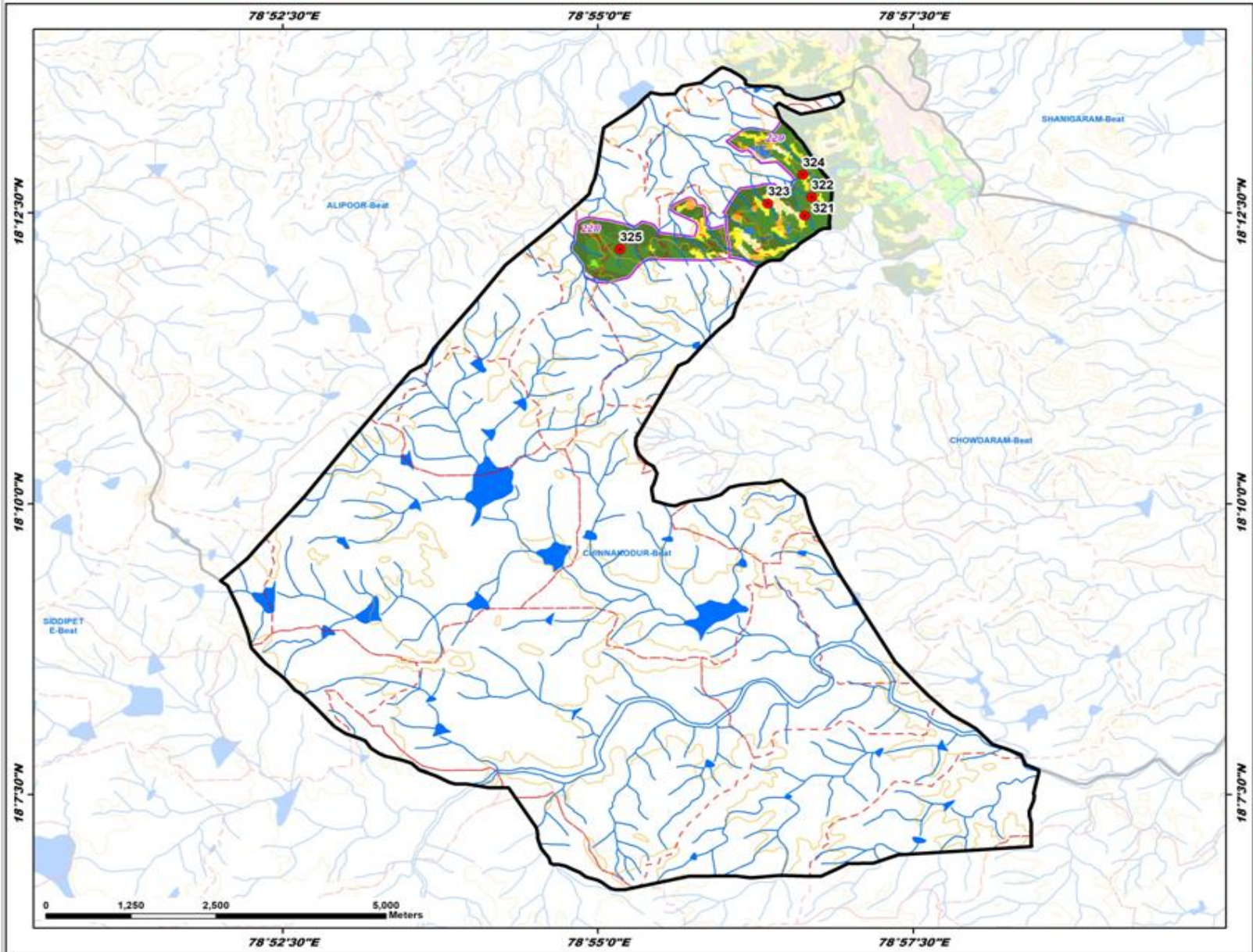
Suitability Index

- 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 Chinnakodur Beat



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
321	18.207959	78.944009	11.86	I
322	18.210569	78.944936	6.80	I
323	18.209649	78.939154	8.21	I
324	18.213800	78.943757	6.06	I
325	18.208110	78.919594	7.62	I

LEGEND

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

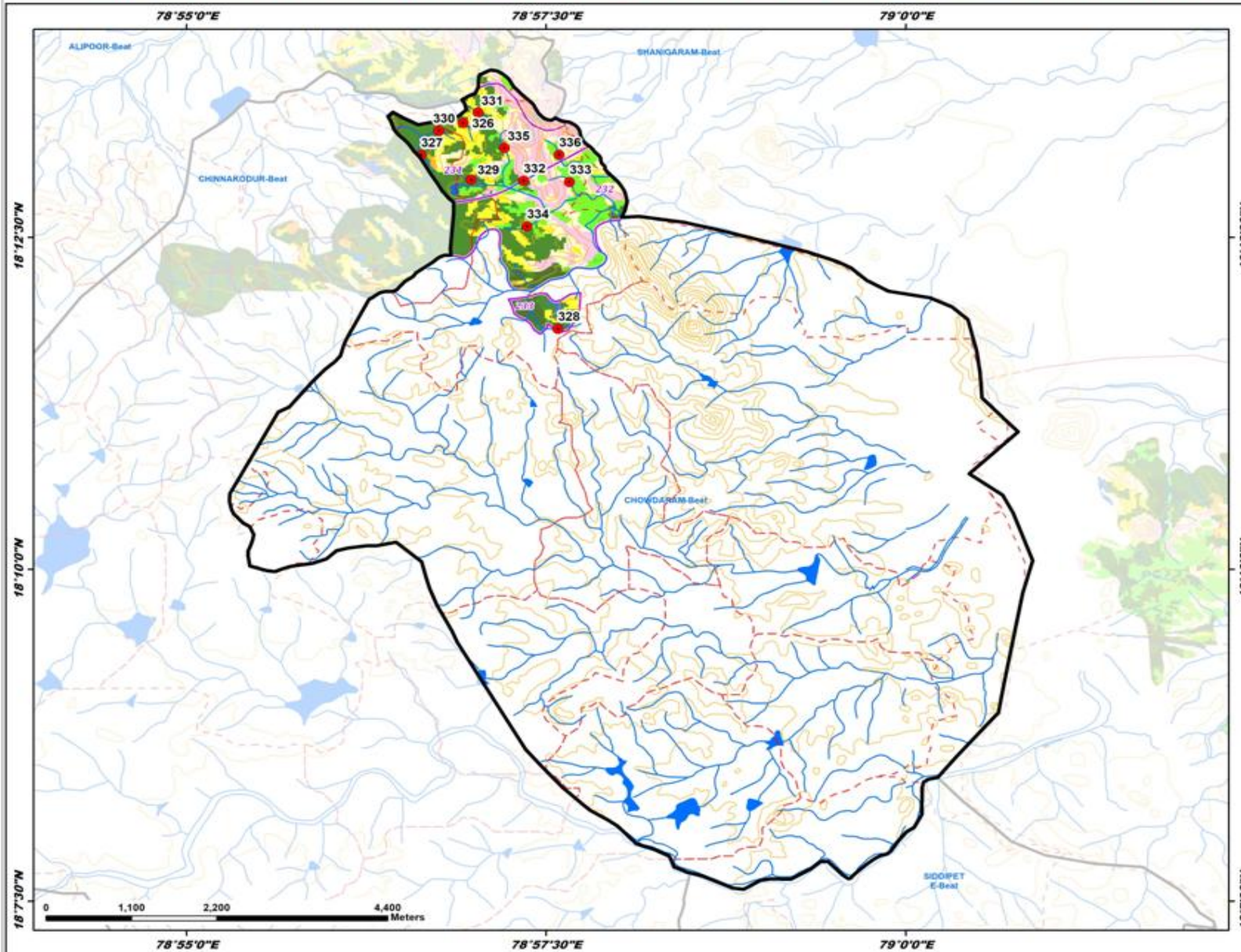
Suitability Index

- 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 Chowdaram Beat



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha.	PRIORITY
326	18.222707	78.948739	14.07	I
327	18.218680	78.943844	9.87	I
328	18.196847	78.959740	10.52	I
329	18.215563	78.949660	12.79	I
330	18.221711	78.945918	11.32	I
331	18.224023	78.950461	11.50	I
332	18.215432	78.955715	5.29	I
333	18.215295	78.961067	6.66	II
334	18.209724	78.956141	16.87	II
335	18.219578	78.953506	9.01	II
336	18.218689	78.959851	16.59	II

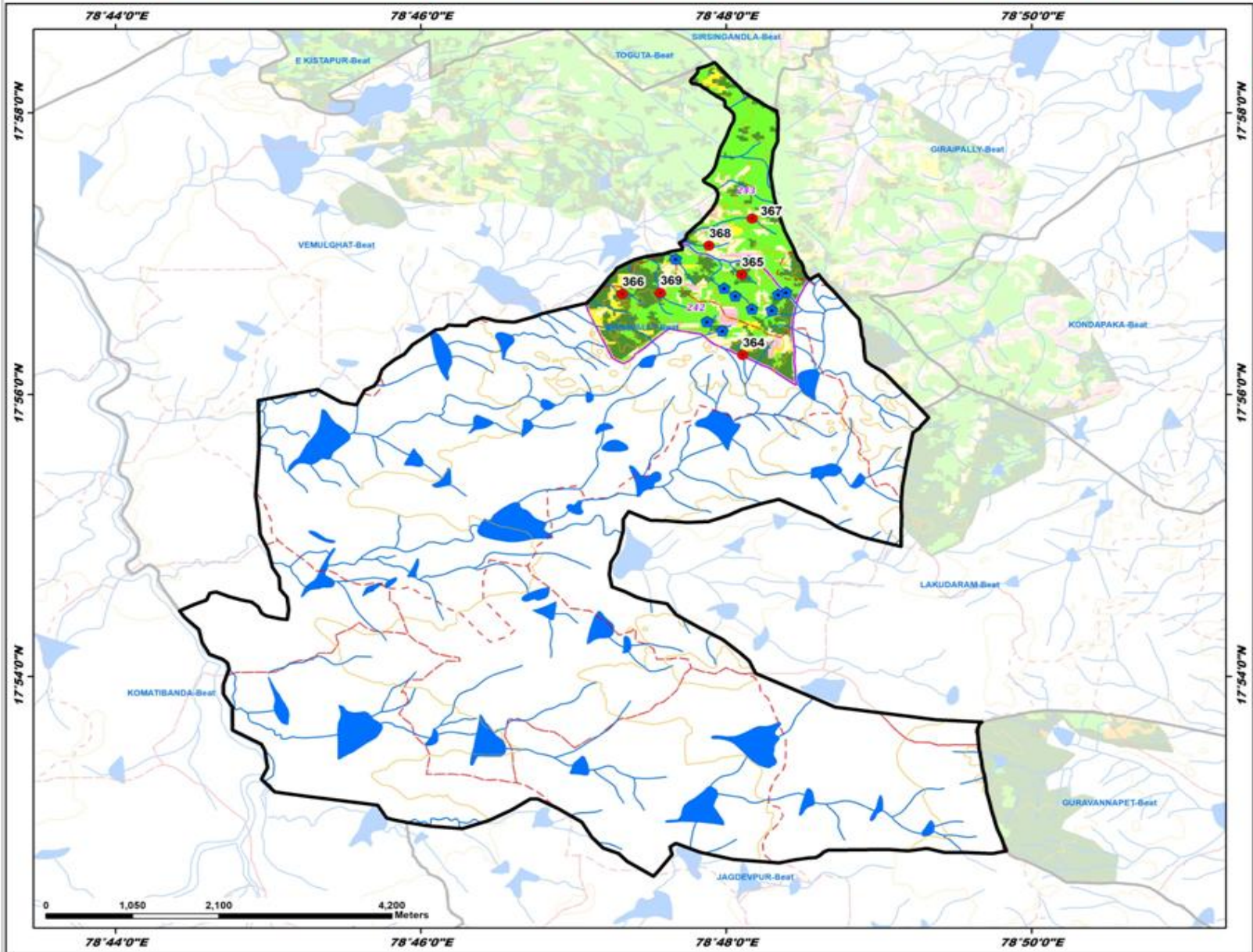
LEGEND

- 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 Erravally Beat



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
364	17.938030	78.801805	8.80	I
365	17.947566	78.801692	8.81	I
366	17.945248	78.788633	11.32	I
367	17.954186	78.802855	23.52	II
368	17.950978	78.798129	10.53	II
369	17.945388	78.792800	16.56	II

LEGEND

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

Suitability Index

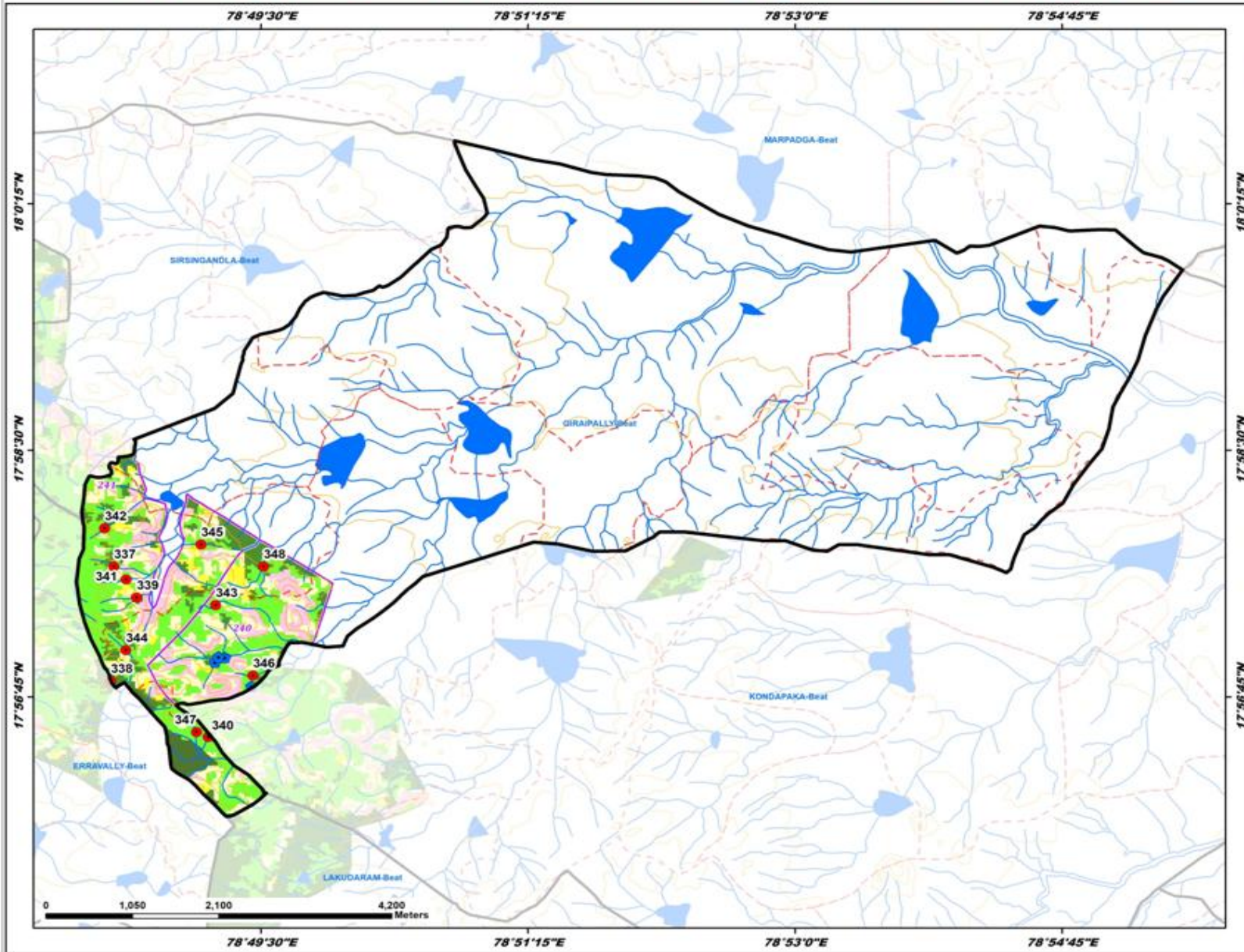
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Siddipet
Range : Siddipet



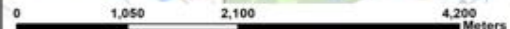
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
337	17.961277	78.808938	14.76	I
338	17.947724	78.808592	14.12	I
339	17.957583	78.811417	19.67	I
340	17.941094	78.819254	5.57	II
341	17.959742	78.810276	6.70	II
342	17.965778	78.807921	7.91	II
343	17.956688	78.820060	12.48	II
344	17.951361	78.810258	8.61	II
345	17.963869	78.818454	16.01	II
346	17.948352	78.824133	5.28	II
347	17.941685	78.817971	8.79	II
348	17.961265	78.825301	30.19	II

LEGEND

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

Suitability Index

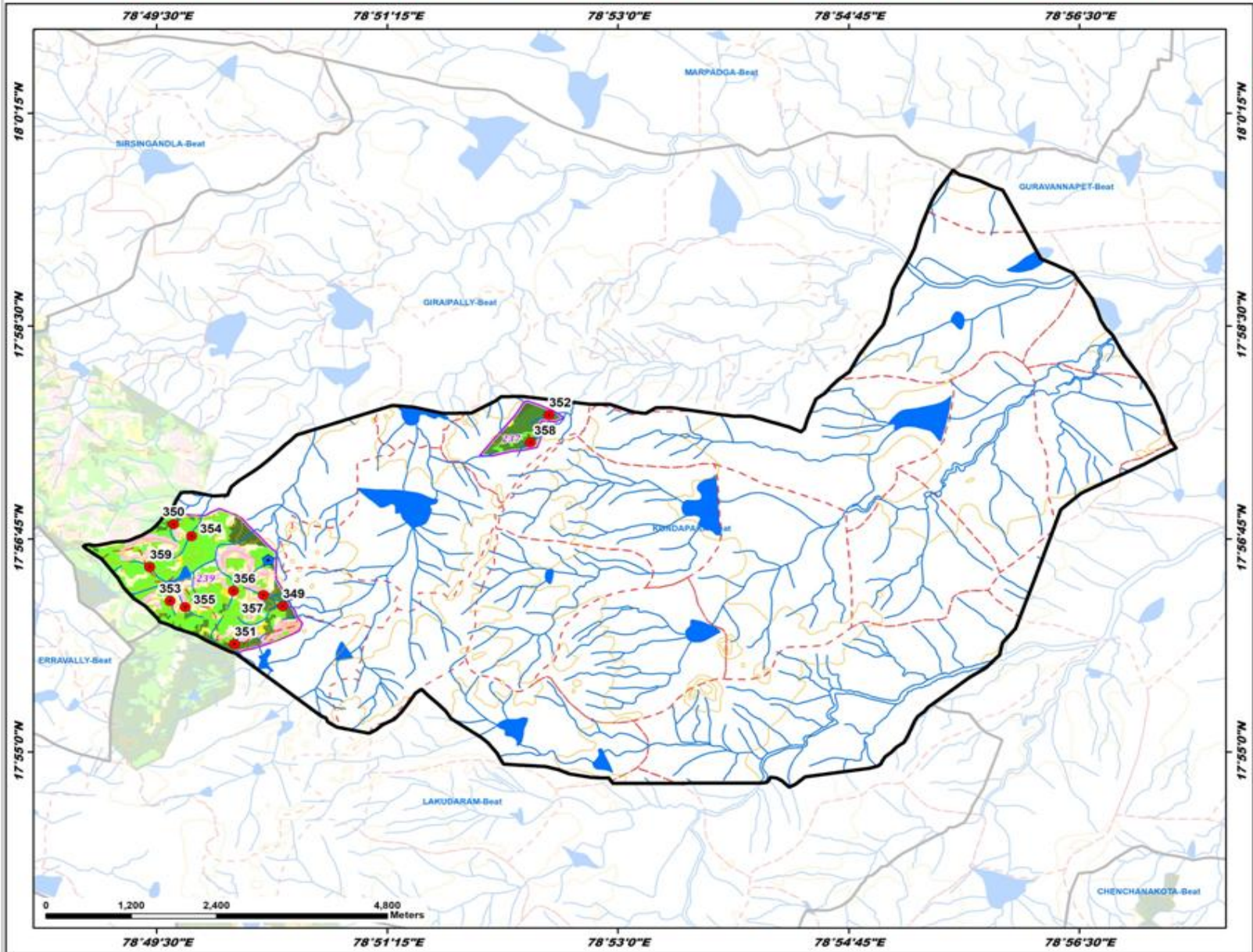
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
349	17.936672	78.840994	18.73	I
350	17.947893	78.827142	9.81	I
351	17.931462	78.834852	7.93	I
352	17.962849	78.874623	12.53	I
353	17.937371	78.826720	5.79	II
354	17.946244	78.829425	20.42	II
355	17.936527	78.828636	10.75	II
356	17.938722	78.834727	10.10	II
357	17.938152	78.838500	11.07	II
358	17.959114	78.872274	17.15	II
359	17.942093	78.824115	9.69	II

LEGEND

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

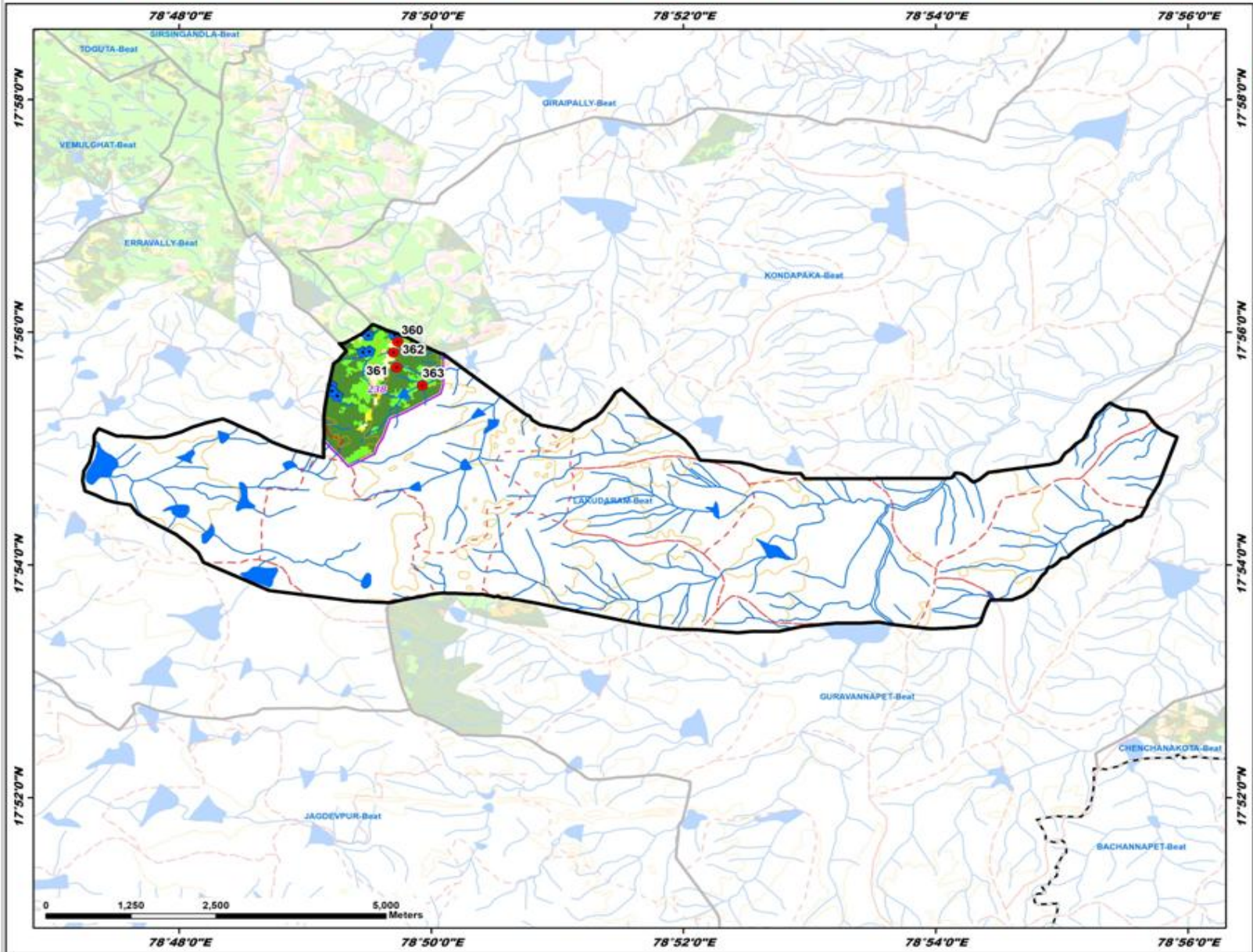
Suitability Index

- 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 Lakudaram Beat



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
360	17.931976	78.828895	7.59	I
361	17.928306	78.828774	7.10	I
362	17.930423	78.828340	5.73	I
363	17.925705	78.832148	94.81	IV

LEGEND

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

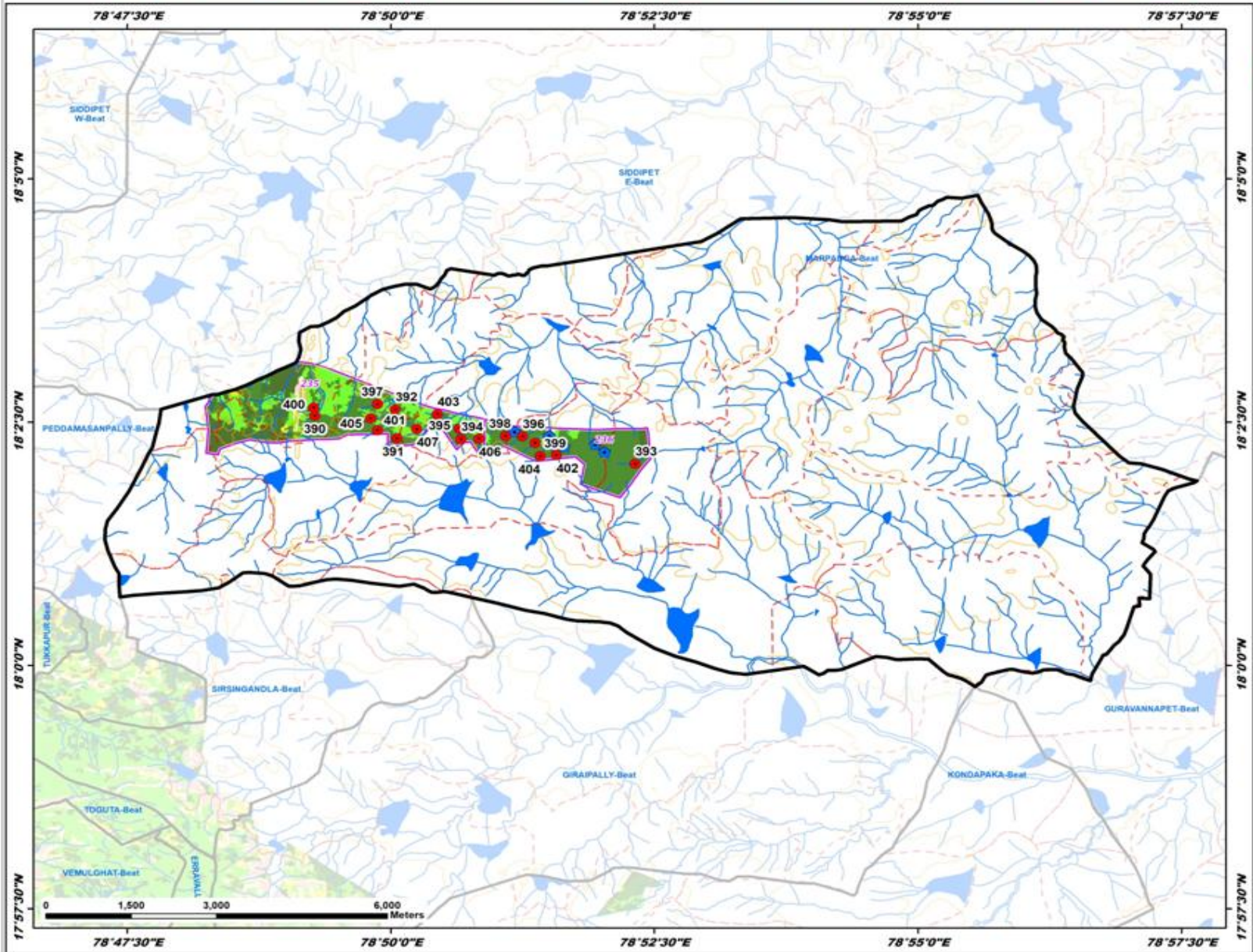
Suitability Index

- 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 Marpadga Beat



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
390	18.042741	78.821341	7.87	I
391	18.038879	78.834297	15.30	I
392	18.043880	78.834067	5.81	I
393	18.054525	78.871959	13.97	I
394	18.038744	78.844437	8.40	I
395	18.040543	78.844179	6.72	I
396	18.039203	78.854169	6.95	I
397	18.044743	78.831280	8.60	I
398	18.039286	78.851472	7.55	I
399	18.038109	78.856169	8.66	I
400	18.041555	78.821147	6.18	I
401	18.040261	78.831253	12.51	I
402	18.036026	78.859530	8.41	I
403	18.043049	78.840708	7.36	I
404	18.035864	78.856982	9.25	I
405	18.042302	78.830168	7.92	I
406	18.038829	78.847280	11.25	I
407	18.040486	78.837455	7.00	II

LEGEND

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

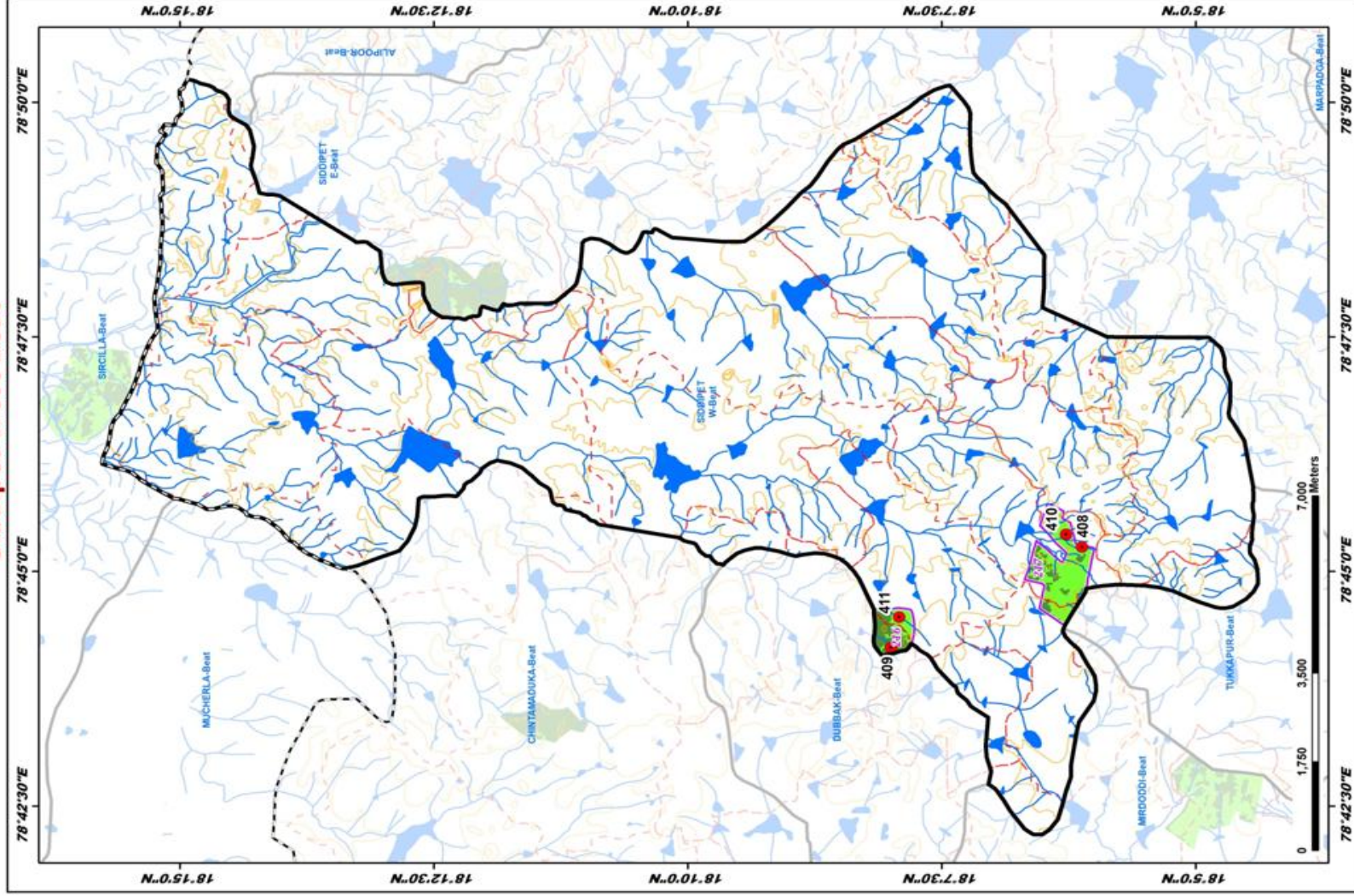
Suitability Index

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

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



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
408	18.10395	78.75416	7.10	I
409	18.13397	78.78528	18.14	I
410	18.10487	78.75683	17.21	II
411	18.13386	78.74313	45.41	III

LEGEND

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

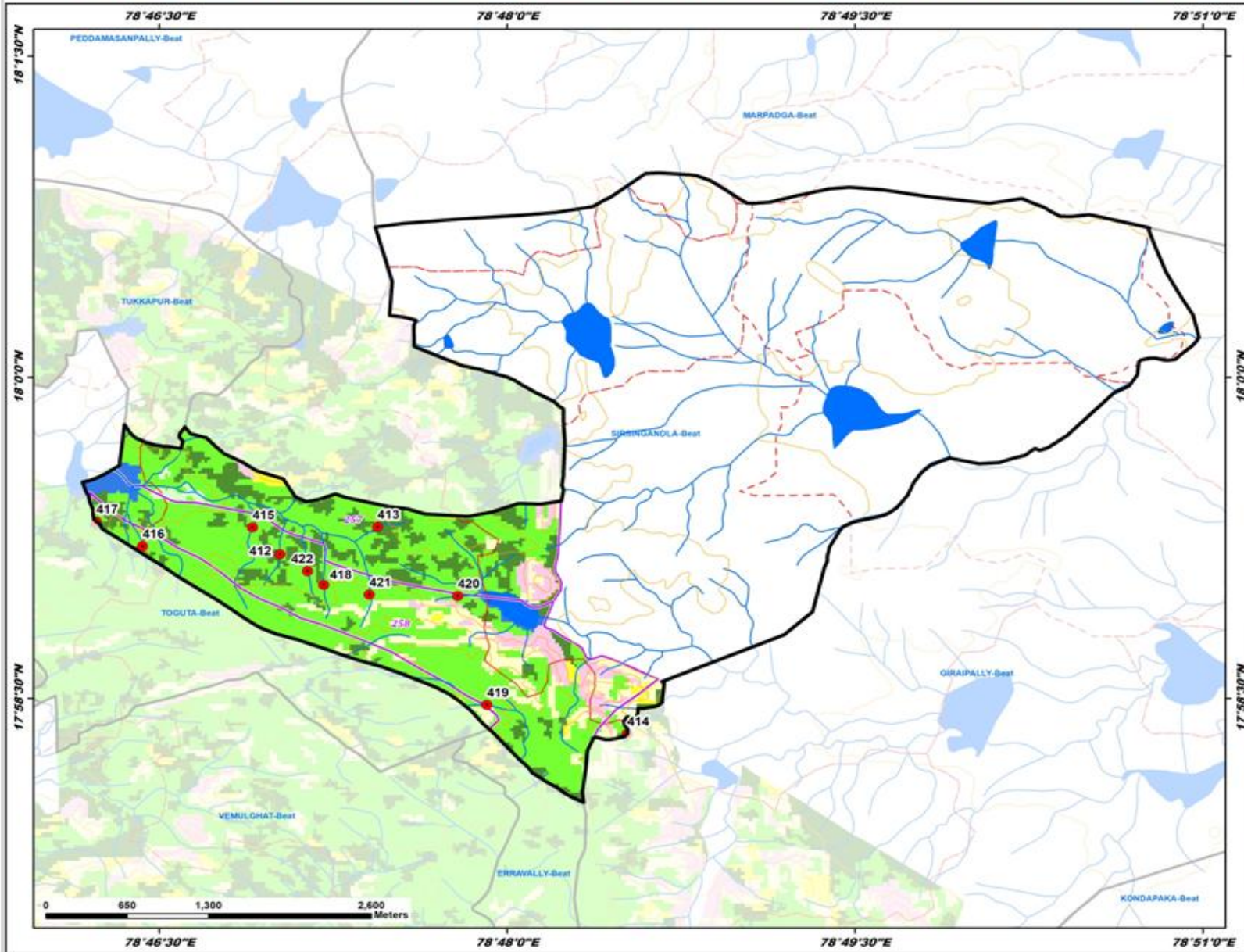
Suitability Index

- 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 Sirsingandla Beat



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
412	17.986236	78.783679	8.15	I
413	17.988365	78.790695	12.61	I
414	17.972253	78.808637	5.80	I
415	17.988322	78.781716	21.47	II
416	17.986860	78.773806	5.39	II
417	17.988787	78.770471	7.80	II
418	17.983856	78.786821	6.46	II
419	17.974504	78.798548	7.05	II
420	17.982973	78.796454	7.29	II
421	17.983089	78.790108	5.45	II
422	17.984913	78.785675	10.40	II

LEGEND

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

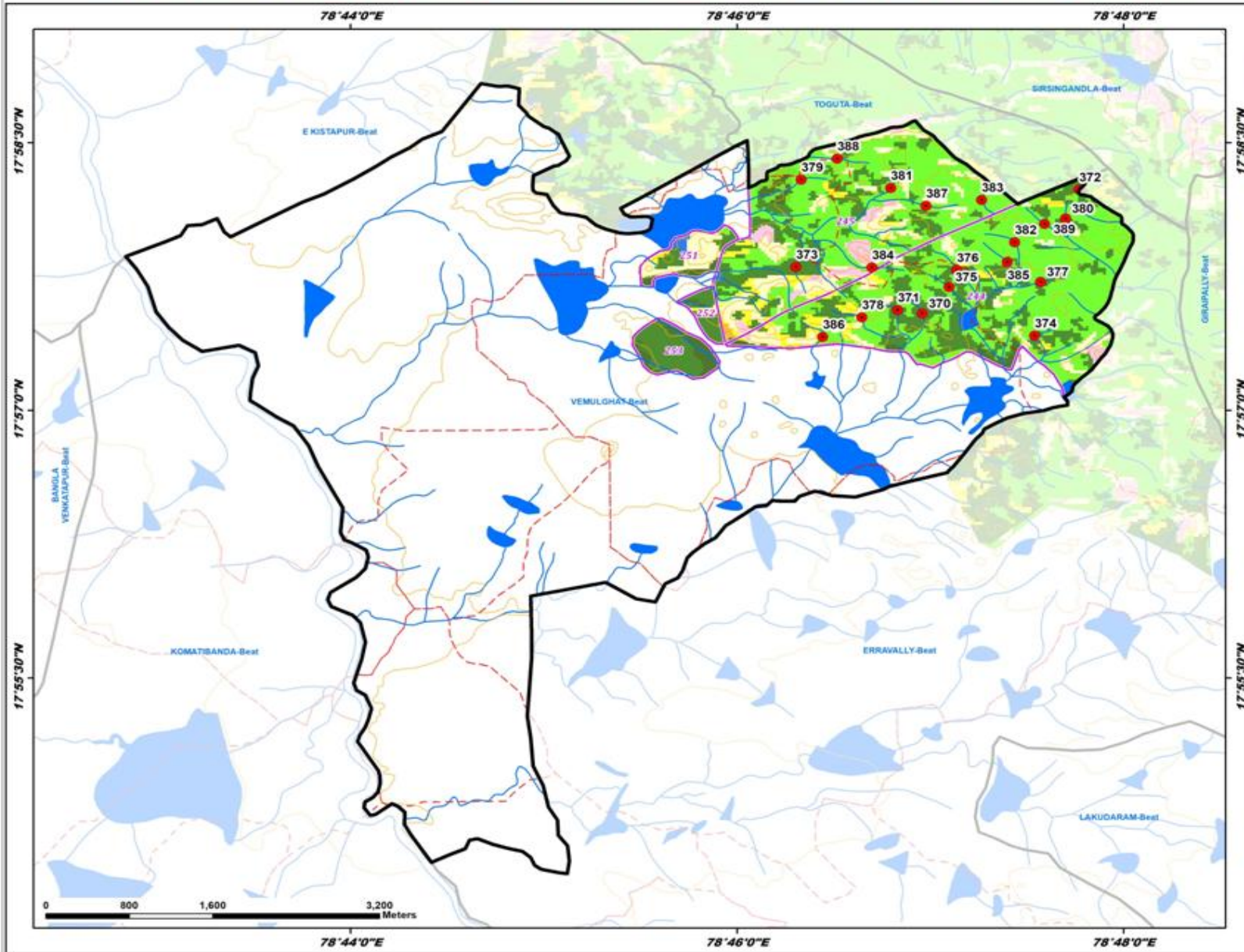
Suitability Index

- 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 Vemulghat Beat



Division : Siddipet
Range : Siddipet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
370	17.959063	78.782668	11.47	I
371	17.959389	78.780535	6.10	I
372	17.970624	78.796129	9.46	I
373	17.963399	78.771771	5.21	I
374	17.956998	78.792339	10.67	I
375	17.961527	78.784960	8.29	I
376	17.963099	78.785637	6.92	I
377	17.962015	78.792873	11.04	I
378	17.956689	78.777454	6.85	II
379	17.971560	78.772215	10.51	II
380	17.967928	78.795012	8.01	II
381	17.970783	78.779933	13.18	II
382	17.965711	78.790644	10.06	II
383	17.969656	78.787780	5.47	II
384	17.963367	78.778327	12.23	II
385	17.963871	78.789989	5.97	II
386	17.956868	78.774076	7.41	II
387	17.969117	78.782991	13.24	II
388	17.973534	78.775325	9.51	II
389	17.967416	78.791208	8.15	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

