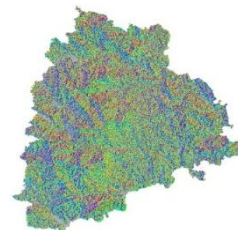
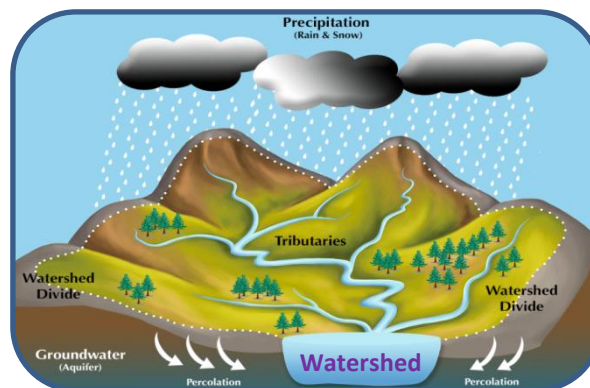


# Government of Telangana – Forest Department



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

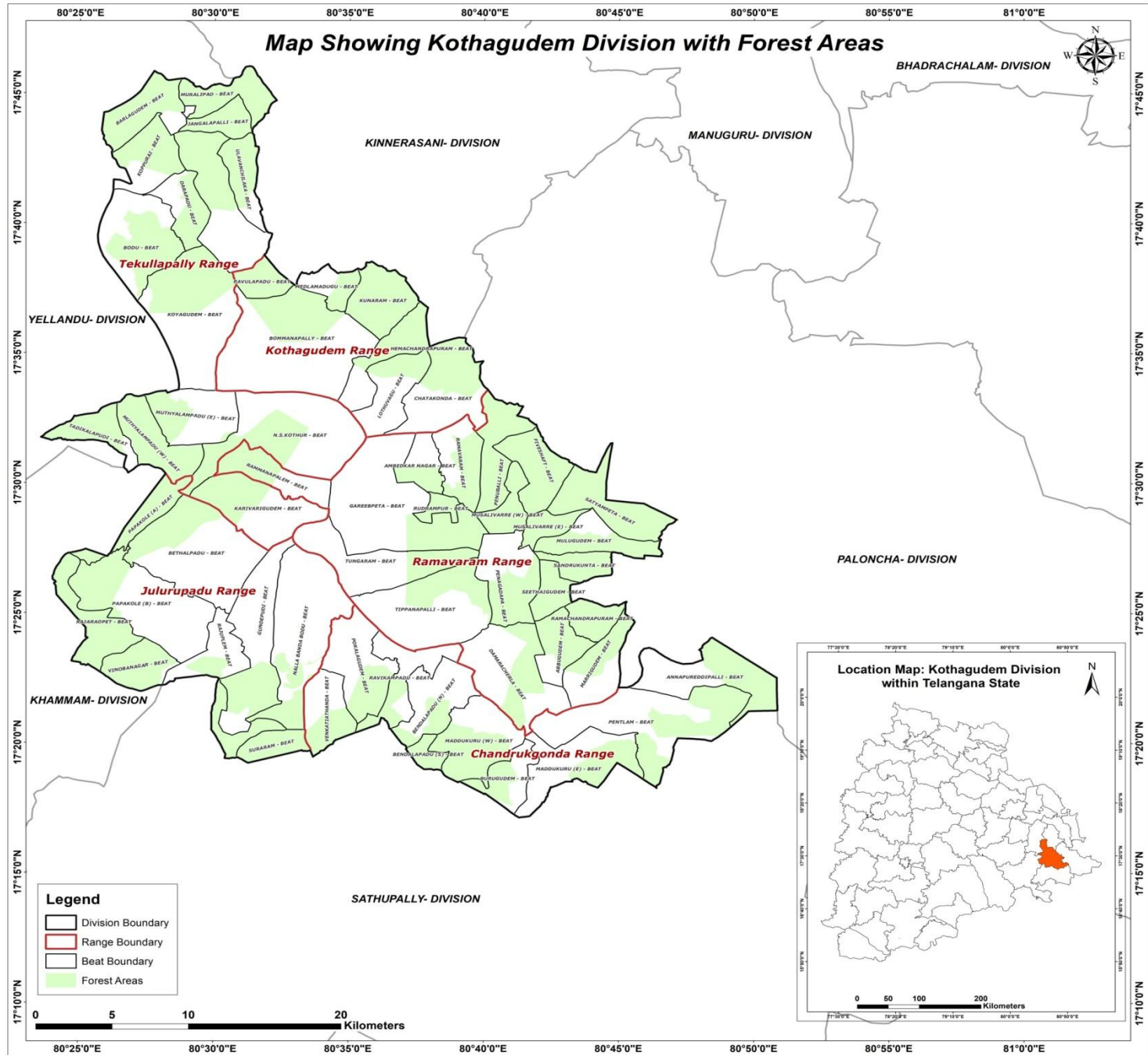


# **SITE SUITABILITY ANALYSIS FOR WATER HARVESTING STRUCTURES USING REMOTE SENSING & GIS**

**Circle: Bhadradri**  
**District: Bhadradri Kothagudem**  
**Division: Kothagudem**

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

# Map Showing Kothagudem 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.



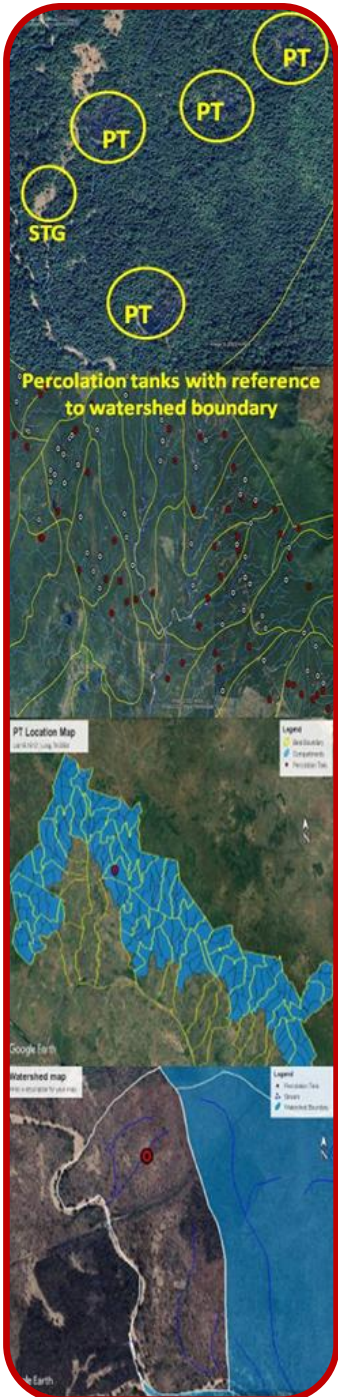
## Suitability criteria for Check-Dams and Percolation Tanks ( SITE SUITABILITY INDEX)

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





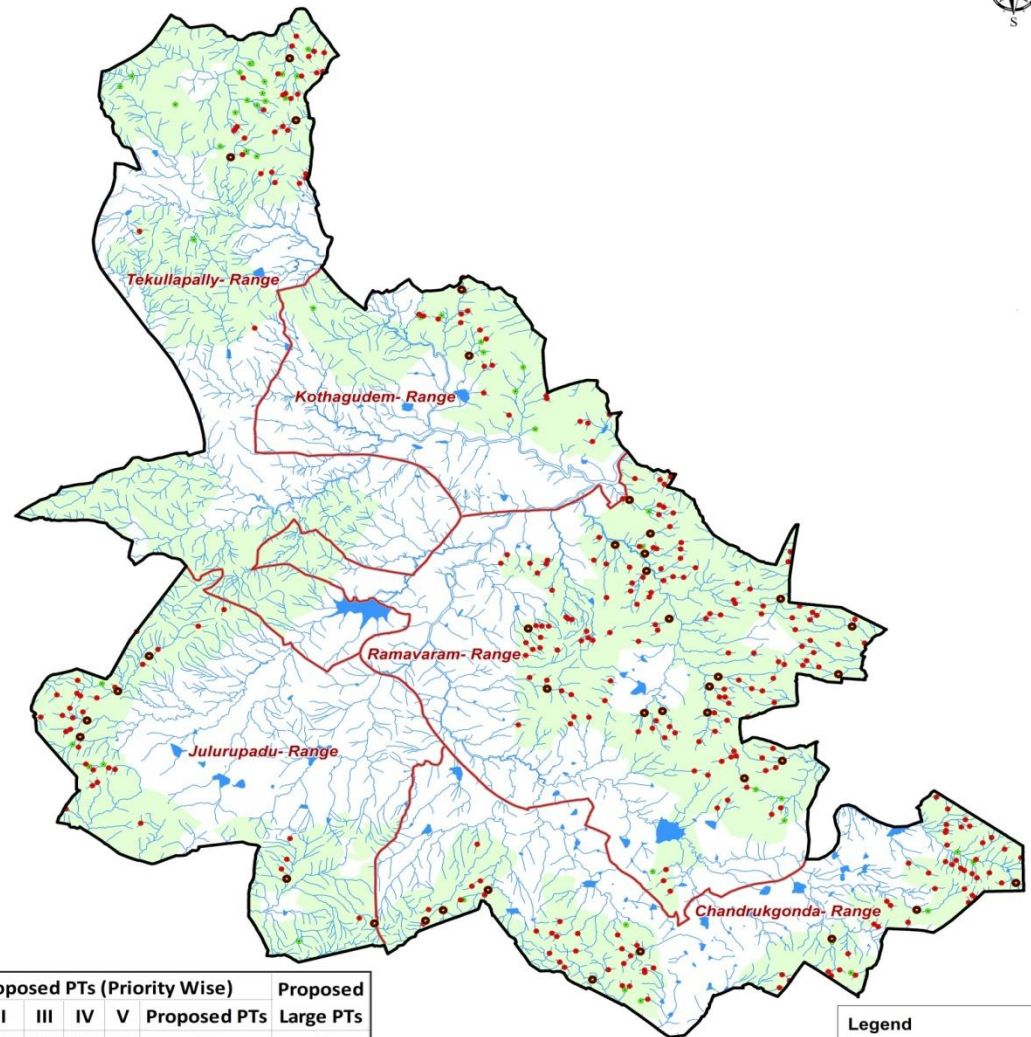
## PRIORITY CLASSES FOR PERCOLATION TANK

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





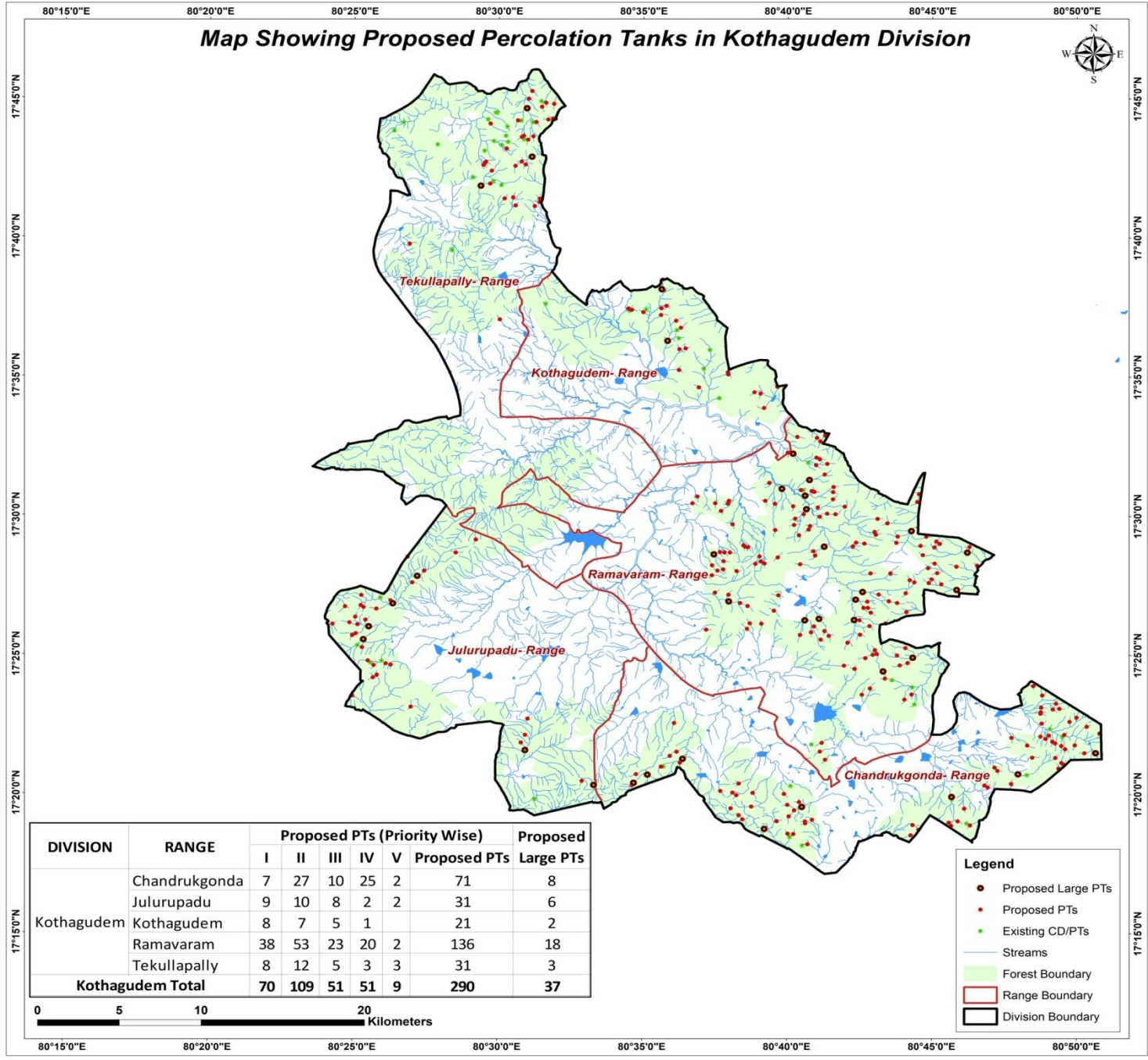
# Map Showing Proposed Percolation Tanks in Kothagudem Division



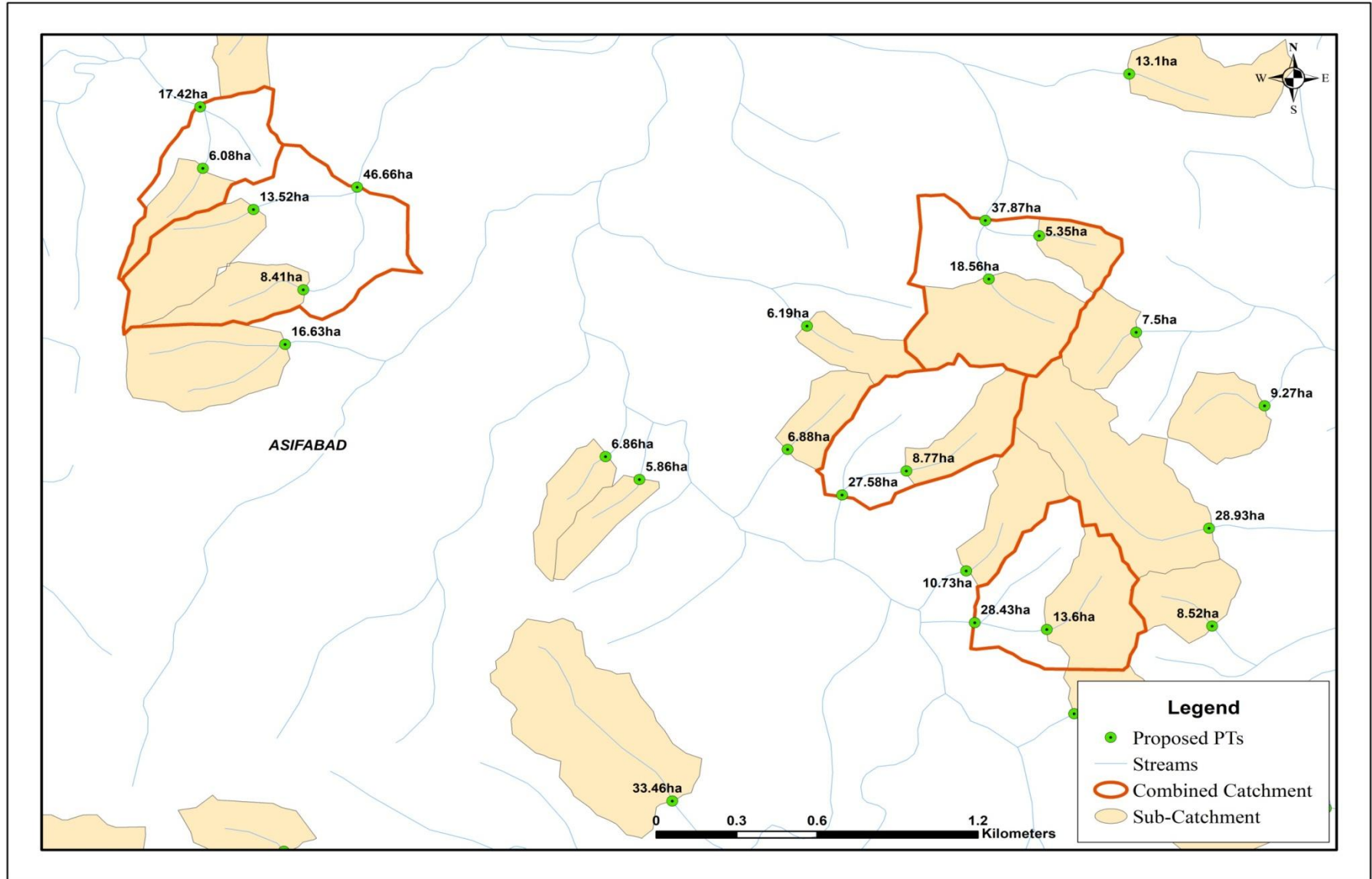
DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
		I	II	III	IV	V		
Kothagudem	Chandrukgonda	7	27	10	25	2	71	8
	Julurupadu	9	10	8	2	2	31	6
	Kothagudem	8	7	5	1		21	2
	Ramavaram	38	53	23	20	2	136	18
	Tekullapally	8	12	5	3	3	31	3
<b>Kothagudem Total</b>		<b>70</b>	<b>109</b>	<b>51</b>	<b>51</b>	<b>9</b>	<b>290</b>	<b>37</b>

**Legend**

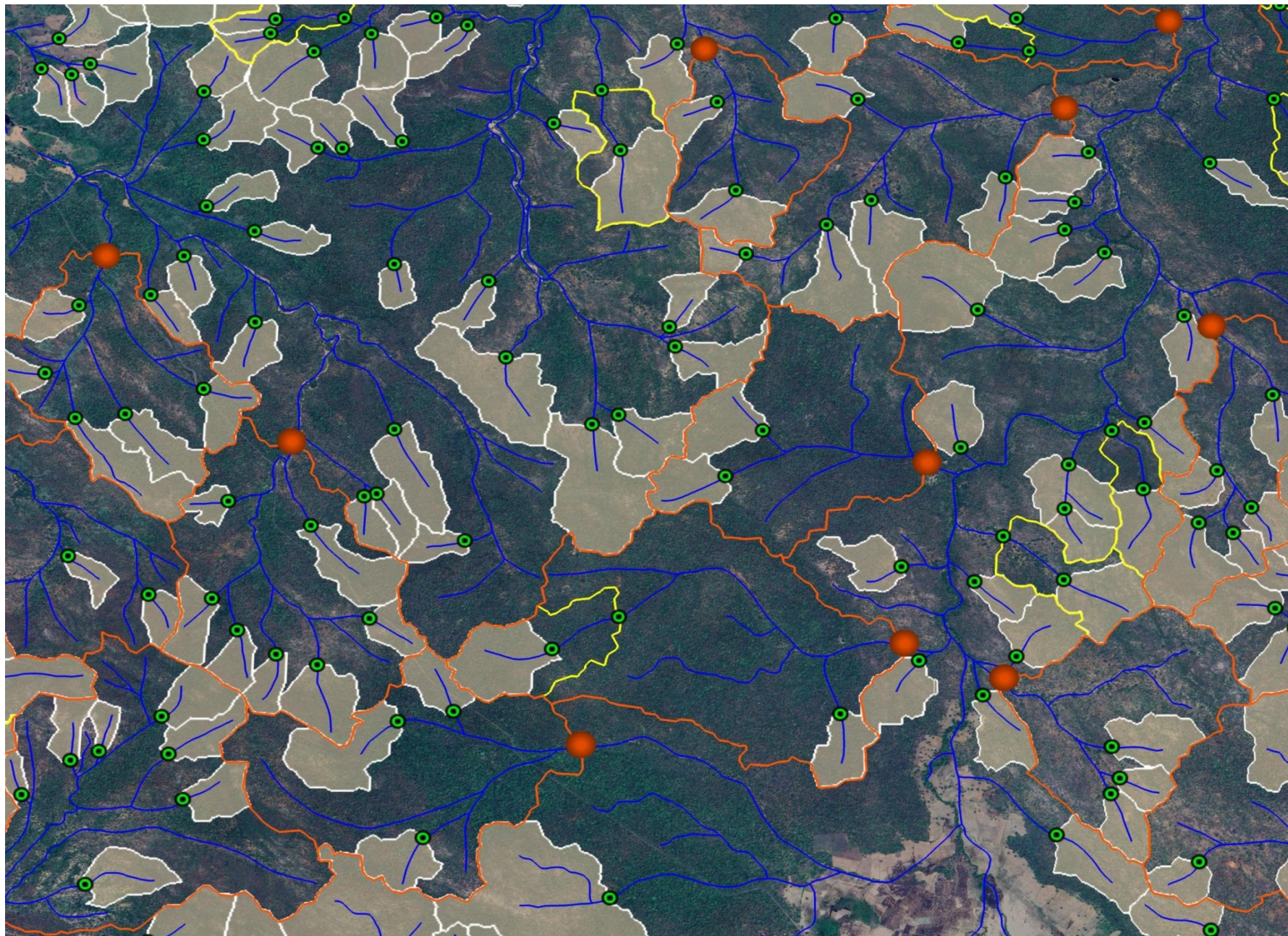
- Proposed Large PTs
- Proposed PTs
- Existing CD/PTs
- Streams
- Forest Boundary
- Range Boundary
- Division Boundary



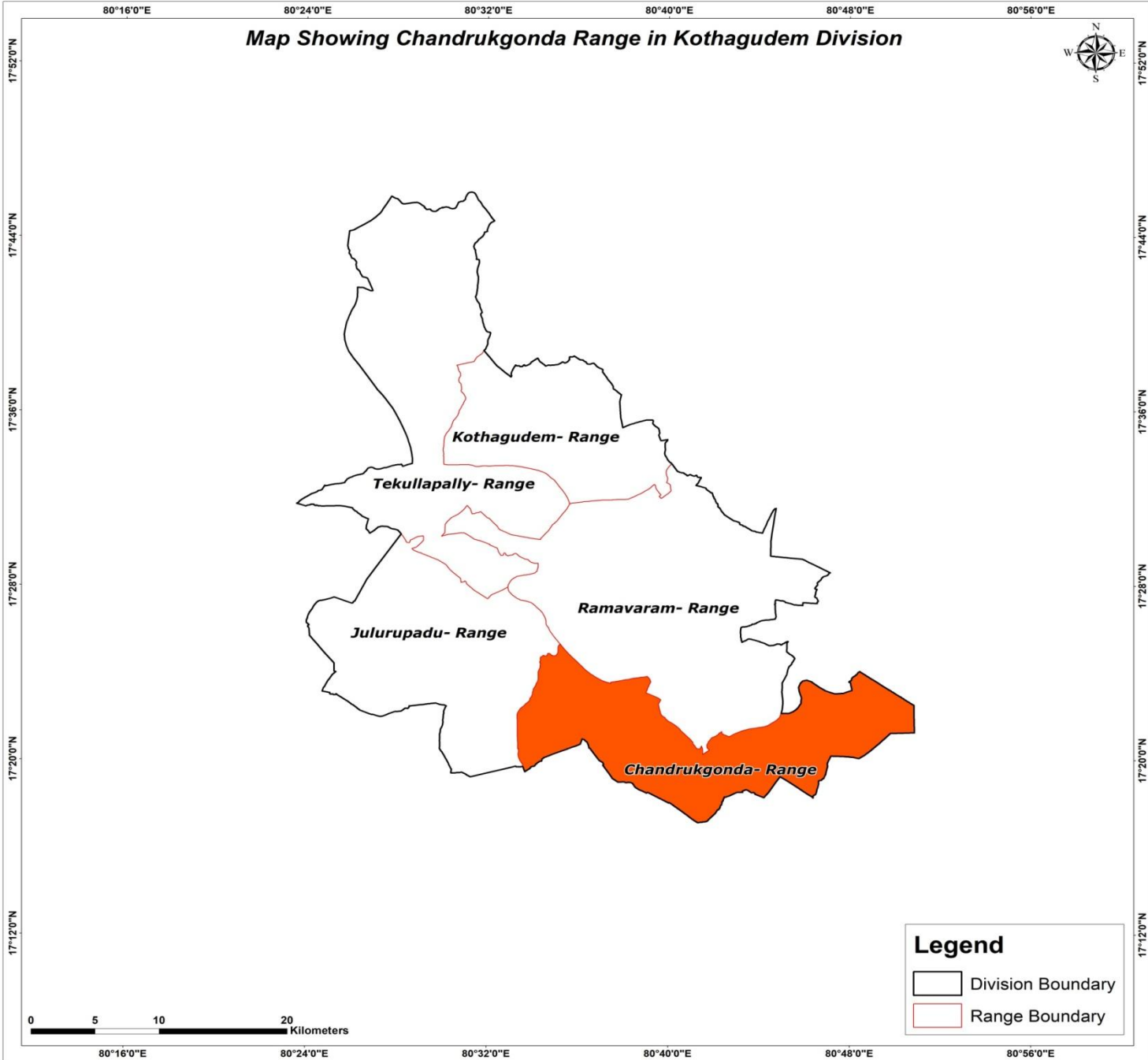
# CATCHMENT AREA



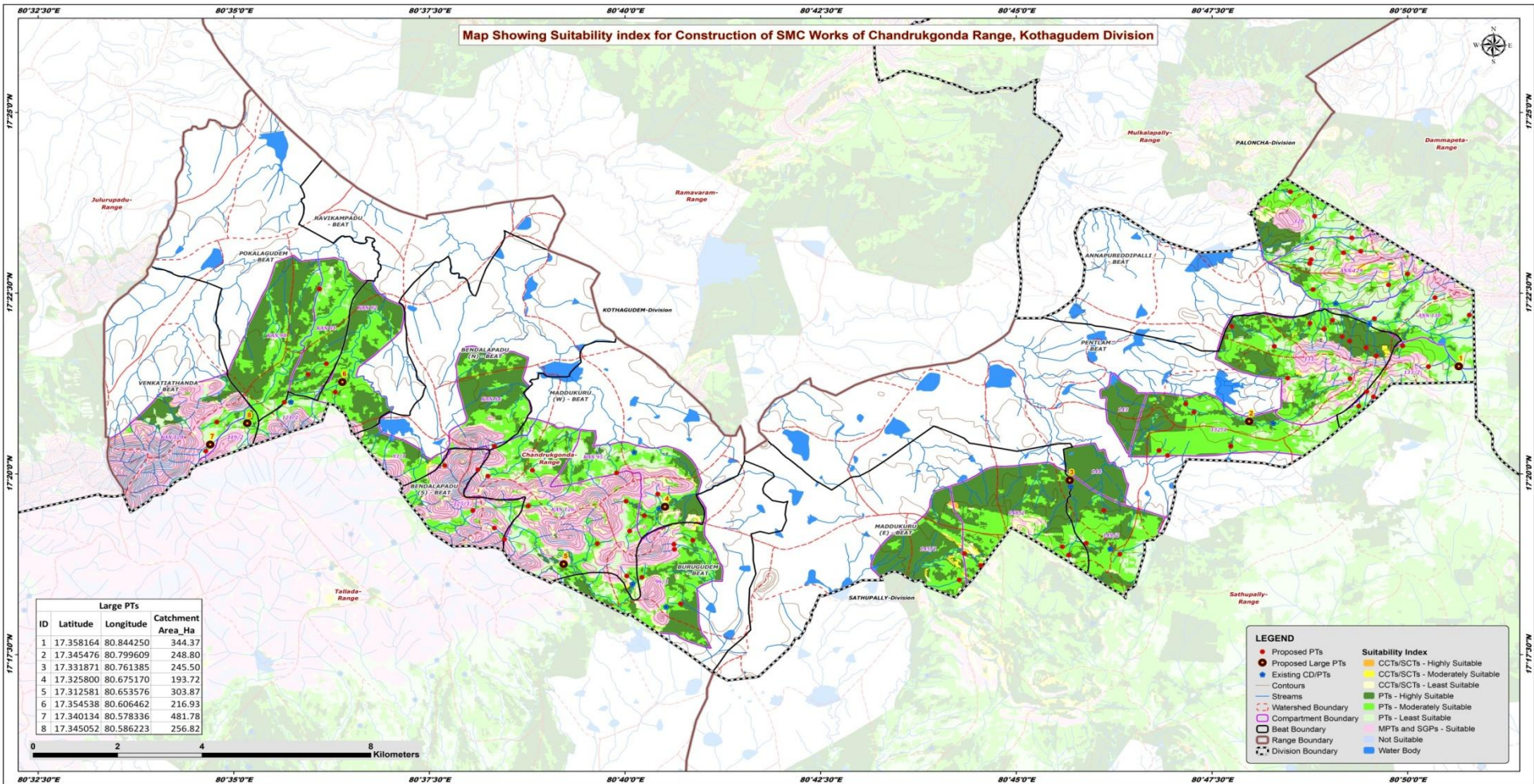
# Sample Catchment Map



# Map Showing Chandrukonda Range in Kothagudem Division



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

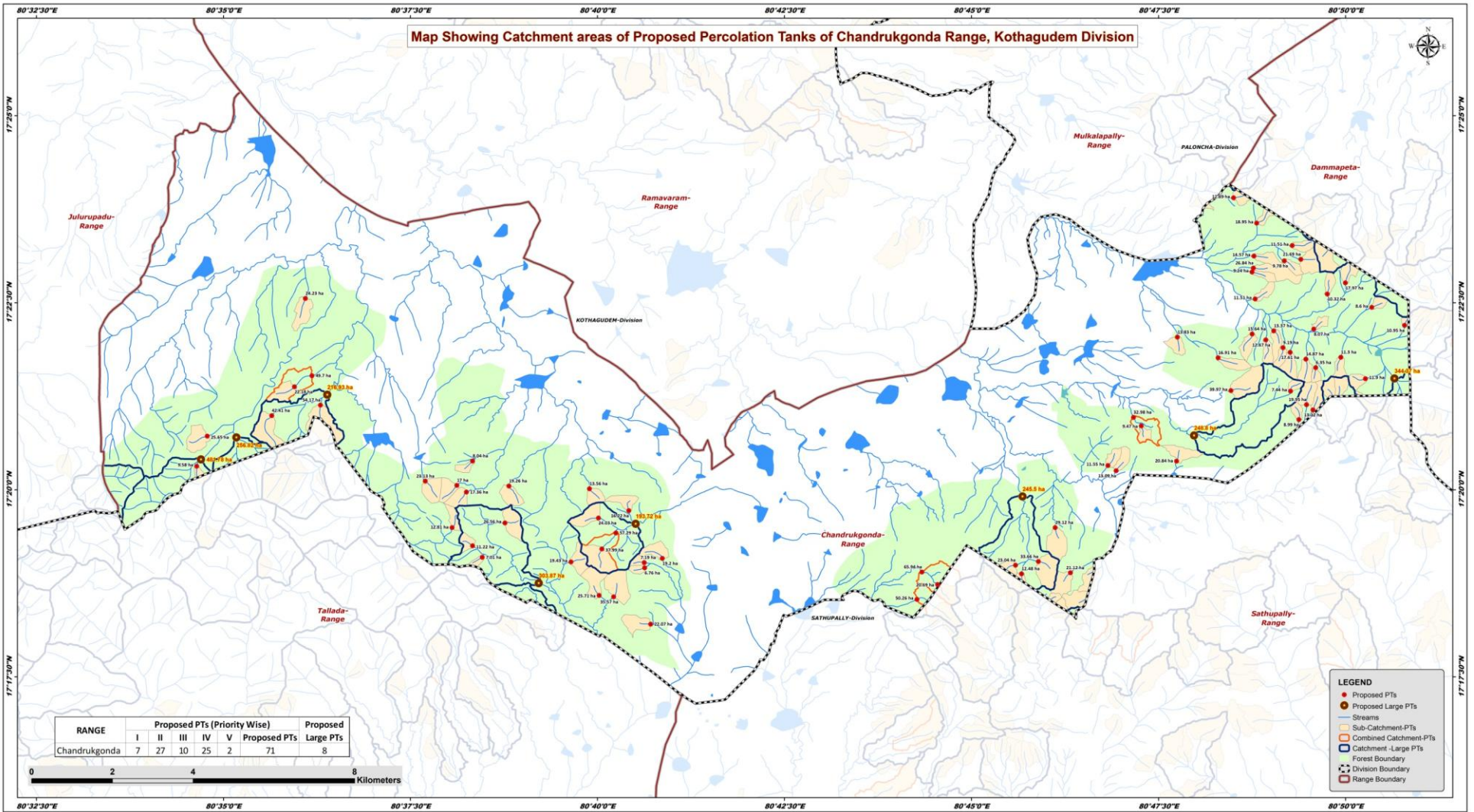


Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
1	17.358164	80.844250	344.37
2	17.345476	80.799609	248.80
3	17.331871	80.761385	245.50
4	17.325800	80.675170	193.72
5	17.312581	80.653576	303.87
6	17.354538	80.606462	216.93
7	17.340134	80.578336	481.78
8	17.345052	80.586223	256.82

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

0 2 4 8 Kilometers

Map Showing Catchment areas of Proposed Percolation Tanks of Chandrukgonda Range, Kothagudem Division



## Beat wise Abstract of Proposed PT's – Chandrugonda Range

S. No.	Beat	Proposed PT's
1	ANNAPUREDDIPALLI	19
2	BENDALAPADU NORTH	1
3	BENDALAPADU SOUTH	4
4	BURUGUEM	5
5	MADDUKURU EAST	5
6	MADDUKURU WEST	11
7	PENTLAM	19
8	POKALAGUEM	4
9	RAVIKAMPADU	1
10	VENKATIATHANDA	2
	<b>Total</b>	<b>71</b>

## List of Proposed PTs – Chandrugonda Range

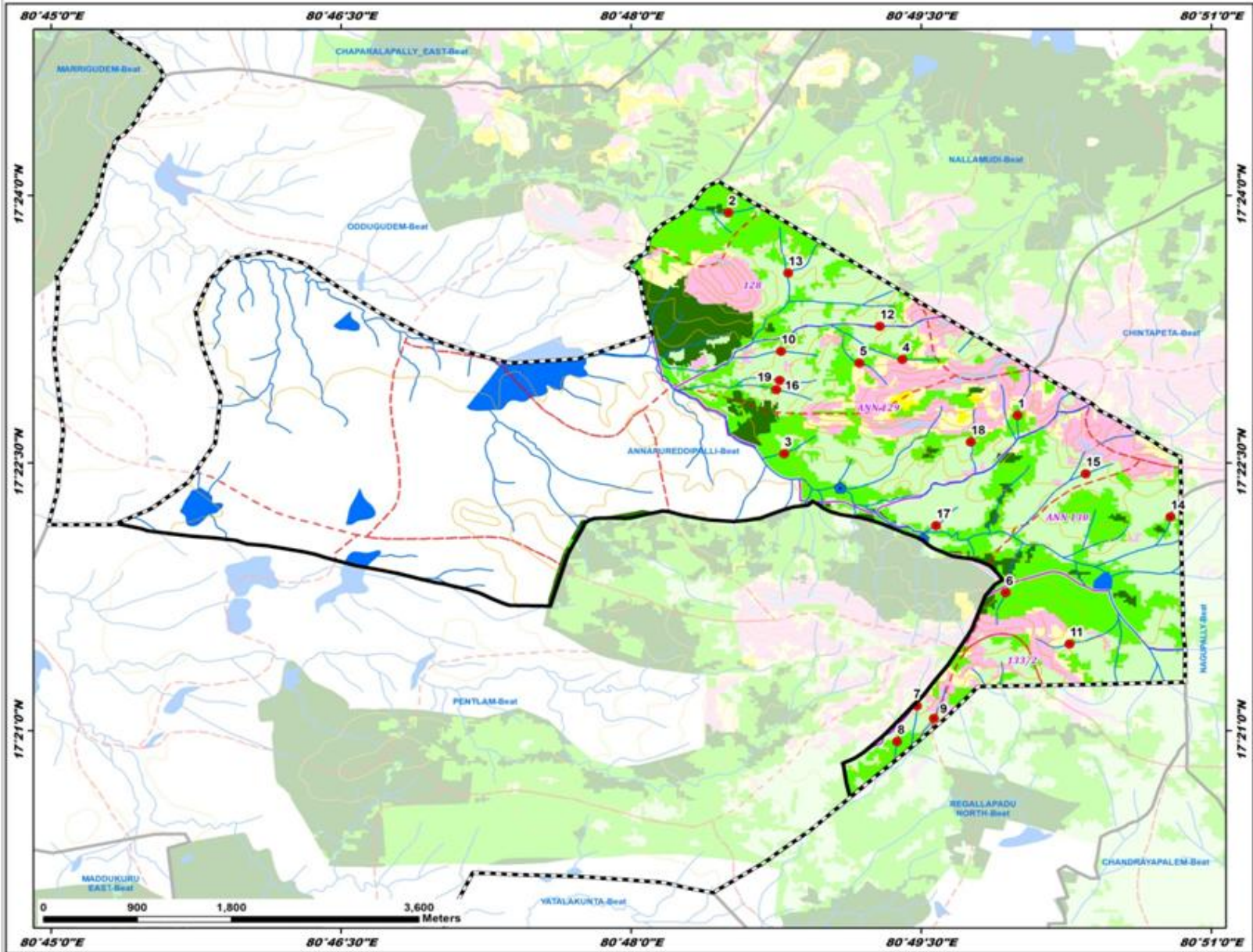
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
1	17.379462	80.833323	17.97	II	ANNAPUREDDIPALLI
2	17.398391	80.808388	12.89	II	ANNAPUREDDIPALLI
3	17.375869	80.813208	11.51	II	ANNAPUREDDIPALLI
4	17.384702	80.823393	21.69	II	ANNAPUREDDIPALLI
5	17.384352	80.819699	9.78	II	ANNAPUREDDIPALLI
6	17.362901	80.832297	11.30	II	ANNAPUREDDIPALLI
7	17.352334	80.824652	19.95	IV	ANNAPUREDDIPALLI
8	17.348989	80.822951	8.99	IV	ANNAPUREDDIPALLI
9	17.351168	80.826107	13.12	IV	ANNAPUREDDIPALLI
10	17.385442	80.812935	14.57	IV	ANNAPUREDDIPALLI
11	17.358115	80.837803	11.90	IV	ANNAPUREDDIPALLI
12	17.387782	80.821457	11.51	IV	ANNAPUREDDIPALLI
13	17.392756	80.813562	18.95	IV	ANNAPUREDDIPALLI
14	17.369986	80.846513	10.95	IV	ANNAPUREDDIPALLI
15	17.373996	80.839202	8.60	IV	ANNAPUREDDIPALLI
16	17.381873	80.812528	9.24	IV	ANNAPUREDDIPALLI
17	17.369158	80.826289	8.07	IV	ANNAPUREDDIPALLI
18	17.376975	80.829298	10.32	IV	ANNAPUREDDIPALLI
19	17.382741	80.812821	26.84	V	ANNAPUREDDIPALLI
20	17.362458	80.824510	14.87	I	PENTLAM
21	17.360567	80.826694	6.35	I	PENTLAM
22	17.365019	80.819423	9.19	I	PENTLAM
23	17.363981	80.821024	17.61	I	PENTLAM
24	17.367356	80.795896	13.83	I	PENTLAM
25	17.314876	80.772065	21.12	II	PENTLAM
26	17.339731	80.795693	20.84	II	PENTLAM
27	17.355330	80.821090	7.44	II	PENTLAM
28	17.338777	80.780398	11.55	II	PENTLAM
29	17.324934	80.768661	29.12	II	PENTLAM
30	17.347594	80.787847	9.47	II	PENTLAM
31	17.368063	80.812558	15.64	II	PENTLAM
32	17.366763	80.815575	12.67	II	PENTLAM
33	17.337615	80.782232	13.09	II	PENTLAM
34	17.368761	80.817355	13.37	II	PENTLAM
35	17.355447	80.807811	39.97	III	PENTLAM
36	17.317377	80.764915	33.66	III	PENTLAM
37	17.362759	80.804974	16.91	IV	PENTLAM
38	17.349491	80.786118	32.98	III	PENTLAM
39	17.339772	80.638858	8.04	IV	BENDALAPADU(N)
40	17.335283	80.628307	23.13	II	BENDALAPADU(S)

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
41	17.324950	80.634271	12.81	II	BENDALAPADU SOUTH
42	17.334348	80.635344	17.00	IV	BENDALAPADU SOUTH
43	17.320881	80.638849	11.22	IV	BENDALAPADU SOUTH
44	17.303448	80.678540	22.07	I	BURUGUDEM
45	17.318085	80.681110	19.20	II	BURUGUDEM
46	17.309538	80.670291	35.57	III	BURUGUDEM
47	17.315981	80.677178	6.76	IV	BURUGUDEM
48	17.317152	80.677104	7.19	IV	BURUGUDEM
49	17.312262	80.742463	20.69	I	MADDUKURU EAST
50	17.314640	80.761155	12.48	II	MADDUKURU EAST
51	17.316567	80.759826	23.04	II	MADDUKURU EAST
52	17.315039	80.738973	65.94	III	MADDUKURU EAST
53	17.308961	80.737850	50.26	IV	MADDUKURU EAST
54	17.318321	80.641001	7.01	II	MADDUKURU WEST
55	17.317293	80.660774	19.43	II	MADDUKURU WEST
56	17.328707	80.673662	16.22	II	MADDUKURU WEST
57	17.327087	80.666883	24.03	II	MADDUKURU WEST
58	17.325978	80.646075	26.56	III	MADDUKURU WEST
59	17.320197	80.667673	37.99	III	MADDUKURU WEST
60	17.333594	80.664902	13.56	IV	MADDUKURU WEST
61	17.332847	80.637491	17.36	IV	MADDUKURU WEST
62	17.334202	80.646941	19.26	IV	MADDUKURU WEST
63	17.309831	80.667058	25.71	V	MADDUKURU WEST
64	17.323764	80.670810	57.29	IV	MADDUKURU WEST
65	17.356313	80.599169	22.18	II	POKALAGUDEM
66	17.376000	80.601605	24.23	II	POKALAGUDEM
67	17.349879	80.594107	42.41	III	POKALAGUDEM
68	17.358789	80.603061	49.70	III	POKALAGUDEM
69	17.352238	80.604939	54.17	IV	RAVIKAMPADU
70	17.345309	80.579745	25.65	III	VENKATIATHANDA
71	17.338624	80.577383	9.58	IV	VENKATIATHANDA

# Map Showing Suitability Index for Construction of SMC Works of Annapureddipalli Beat



Division : Kothagudem  
Range : Chandrugonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
1	17.379462	80.833323	17.97	II
2	17.396391	80.806368	12.89	II
3	17.379069	80.813208	11.51	II
4	17.384702	80.823393	21.69	II
5	17.384352	80.819699	9.78	II
6	17.362901	80.832297	11.30	II
7	17.352334	80.824652	18.95	IV
8	17.348989	80.822951	8.99	IV
9	17.351168	80.826107	13.12	IV
10	17.385442	80.812955	14.57	IV
11	17.358115	80.837803	11.90	IV
12	17.387782	80.821457	11.51	IV
13	17.392796	80.813562	18.95	IV
14	17.369986	80.840513	10.95	IV
15	17.373996	80.839202	8.60	IV
16	17.381873	80.812528	9.24	IV
17	17.369158	80.826289	8.07	IV
18	17.376975	80.829298	10.52	IV
19	17.382741	80.812821	26.84	V

**Legend**

- Proposed PTs (Red dot)
- Existing CD/PTs (Blue star)
- Contours (Brown line)
- Streams (Blue line)
- Watershed Boundary (Dashed red line)
- Compartment Boundary (Dashed pink line)
- Beat Boundary (Solid black line)
- Division Boundary (Dashed black line)

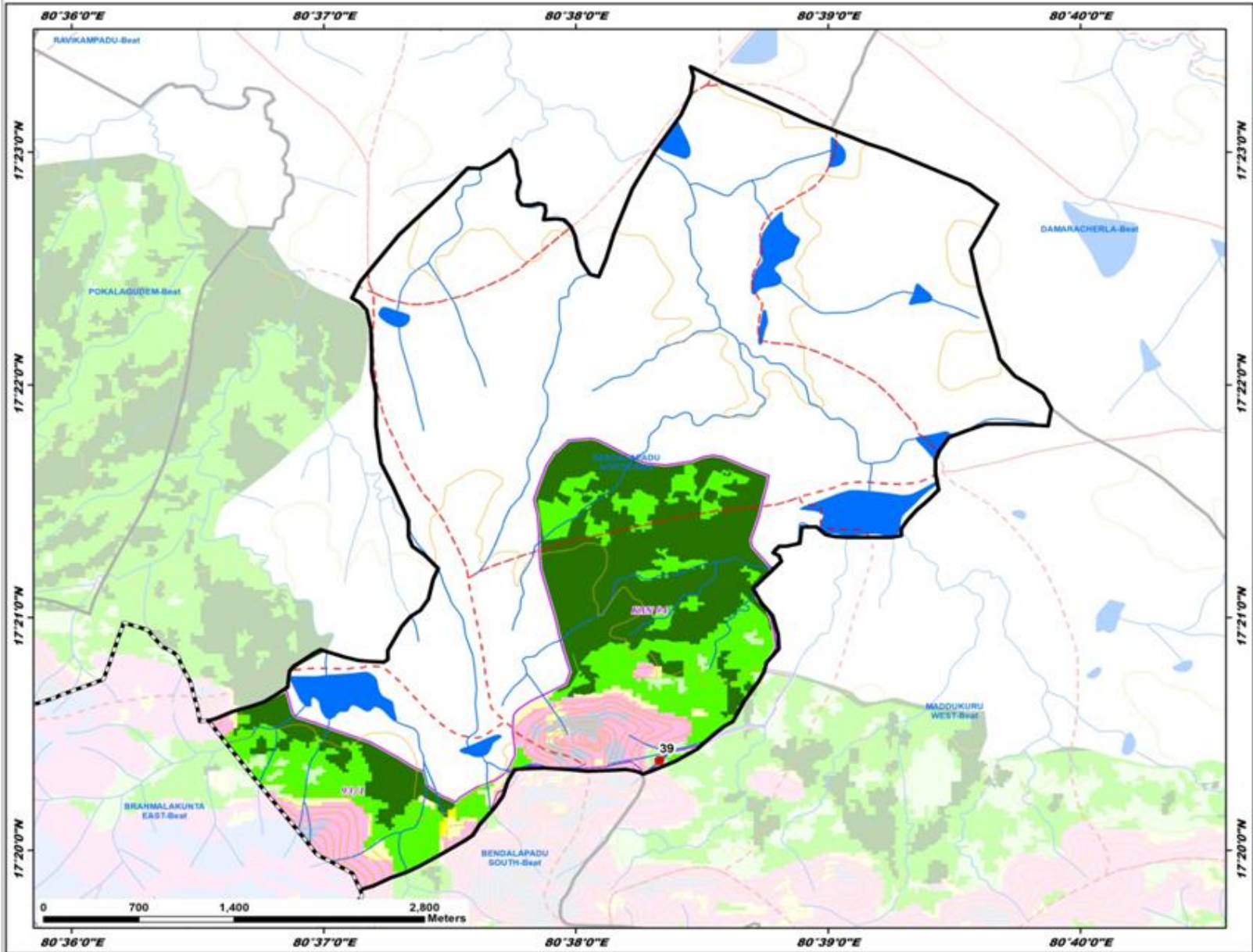
**Suitability Index**

- CCTs/SCTs - Highly Suitable (Orange)
- CCTs/SCTs - Moderately Suitable (Yellow)
- CCTs/SCTs - Least Suitable (Light Green)
- PTs - Highly Suitable (Dark Green)
- PTs - Moderately Suitable (Light Green)
- PTs - Least Suitable (Very Light Green)
- MPTs and SGPs - Suitable (Pink)
- Not Suitable (White)
- Water Body (Blue)

# Map Showing Suitability Index for Construction of SMC Works of Bendalapadu North Beat



Division : Kothagudem  
Range : Chandrugonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
39	17.339772	80.638858	8.04	IV

**Legend**

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

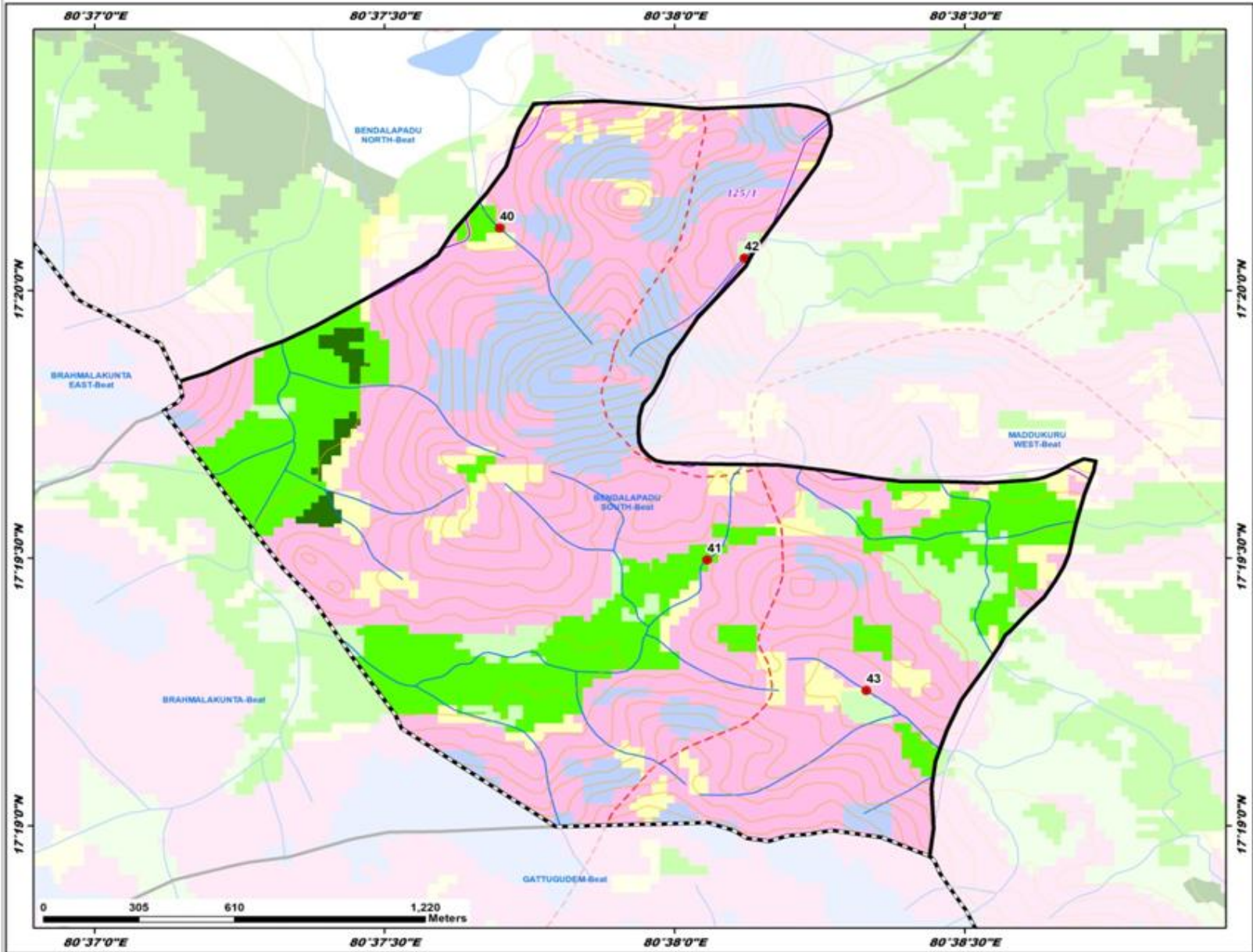
**Suitability Index**

- 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 Bendalapadu South Beat



Division : Kothagudem  
Range : Chandrugonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
40	17.335283	80.628307	23.13	II
41	17.324950	80.634271	12.81	II
42	17.334348	80.635344	17.00	IV
43	17.320881	80.638049	11.22	IV

**Legend**

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

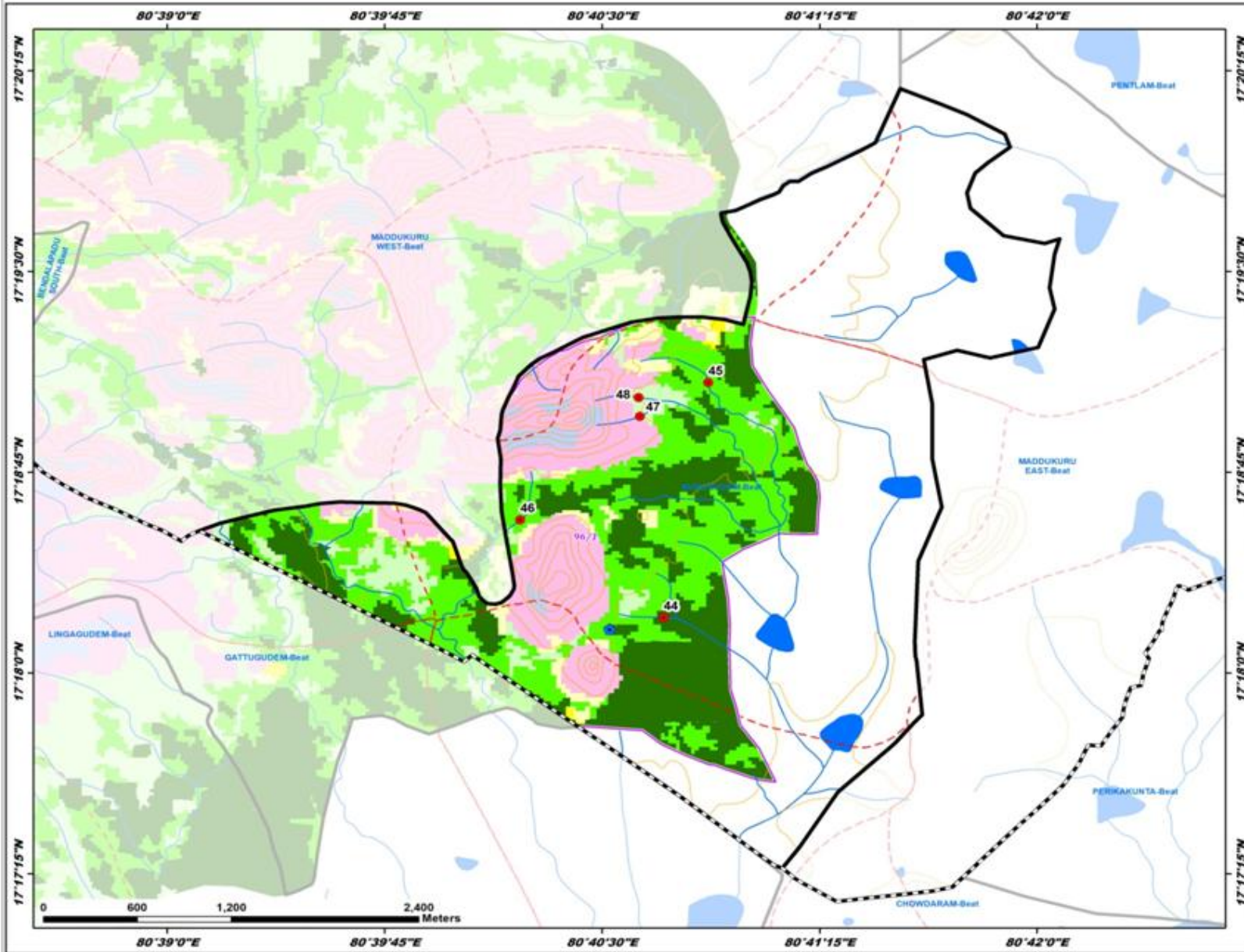
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Burugudem Beat



Division : Kothagudem  
Range : Chandrukonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
44	17.303448	80.679540	22.07	I
45	17.318085	80.681110	19.20	II
46	17.309538	80.670291	35.57	III
47	17.315981	80.677178	6.76	IV
48	17.317152	80.677304	7.19	IV

**Legend**

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

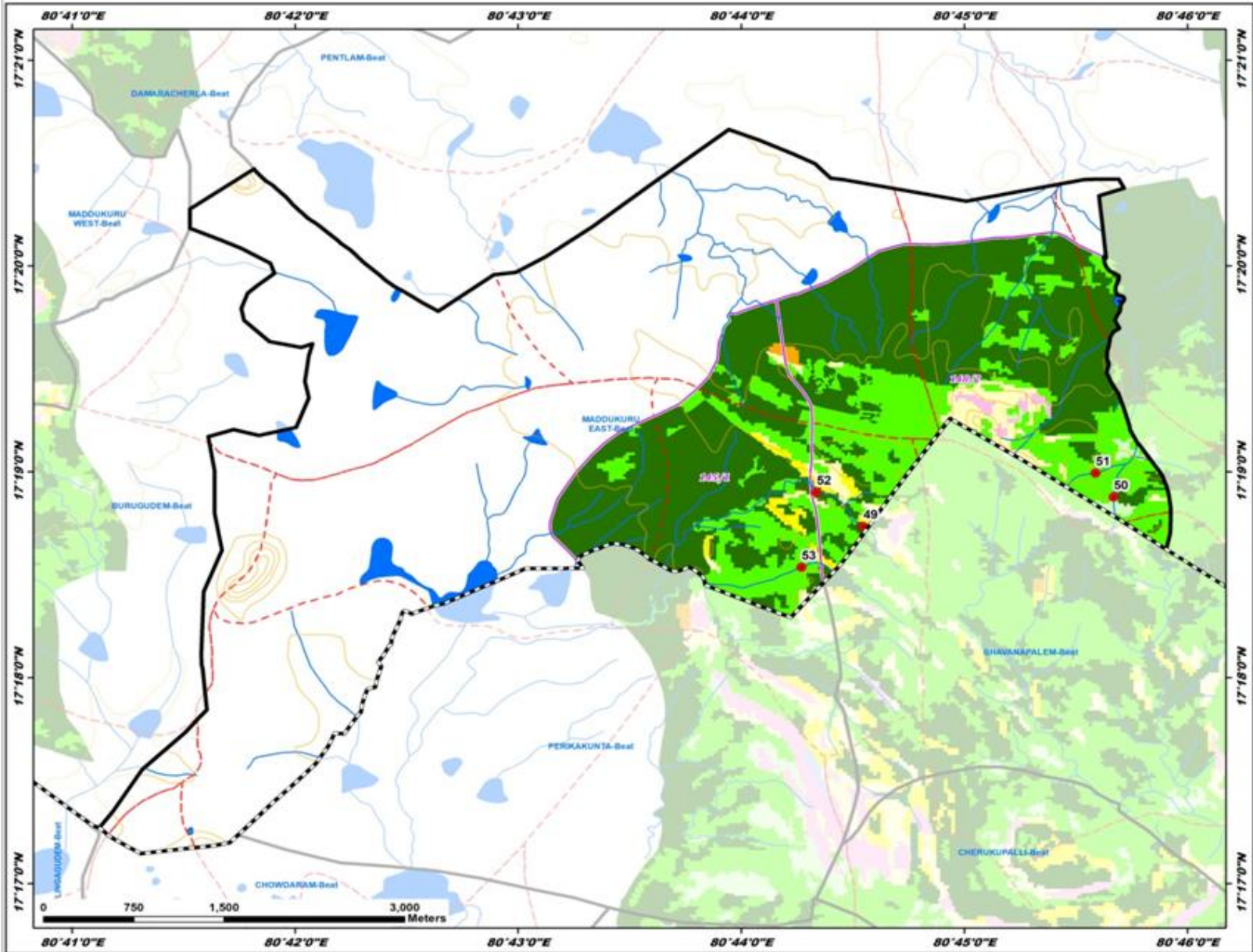
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Maddukuru East Beat



Division : Kothagudem  
Range : Chandrugonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
49	17.312262	80.742463	20.69	I
50	17.314640	80.761155	12.48	II
51	17.316567	80.759826	23.04	II
52	17.315039	80.738973	65.94	III
53	17.308961	80.737850	50.26	IV

**Legend**

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

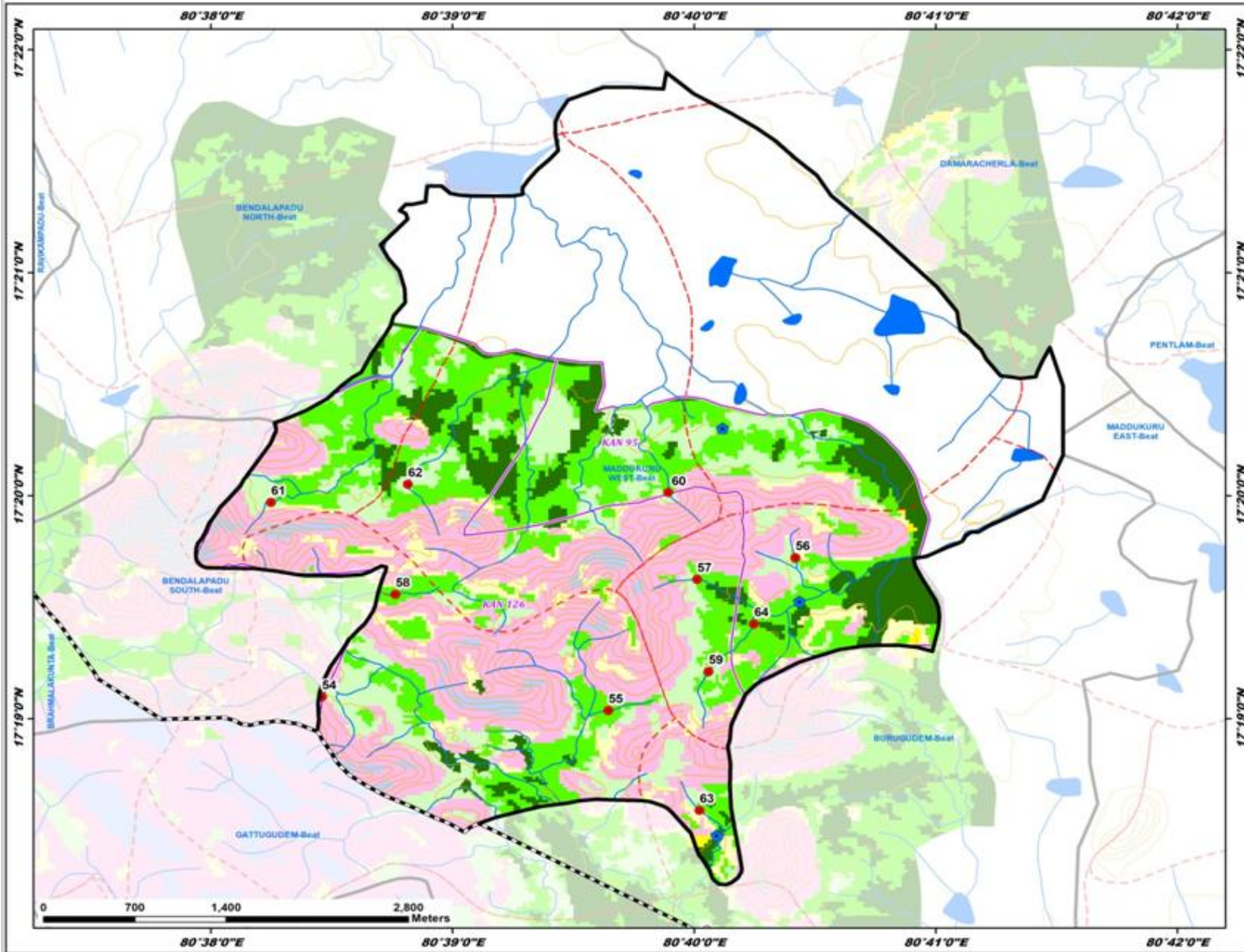
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Maddukuru West Beat



Division : Kothagudem  
Range : Chandrugonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
54	17.318321	80.641001	7.01	II
55	17.317293	80.660774	19.43	II
56	17.328707	80.673662	16.22	II
57	17.327087	80.666883	24.08	II
58	17.325978	80.646075	26.56	III
59	17.320197	80.667673	37.99	III
60	17.333594	80.664902	13.56	IV
61	17.332847	80.637491	17.36	IV
62	17.334202	80.646941	19.26	IV
63	17.309831	80.667058	25.71	V
64	17.323764	80.670010	57.29	IV

**Legend**

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

**Suitability Index**

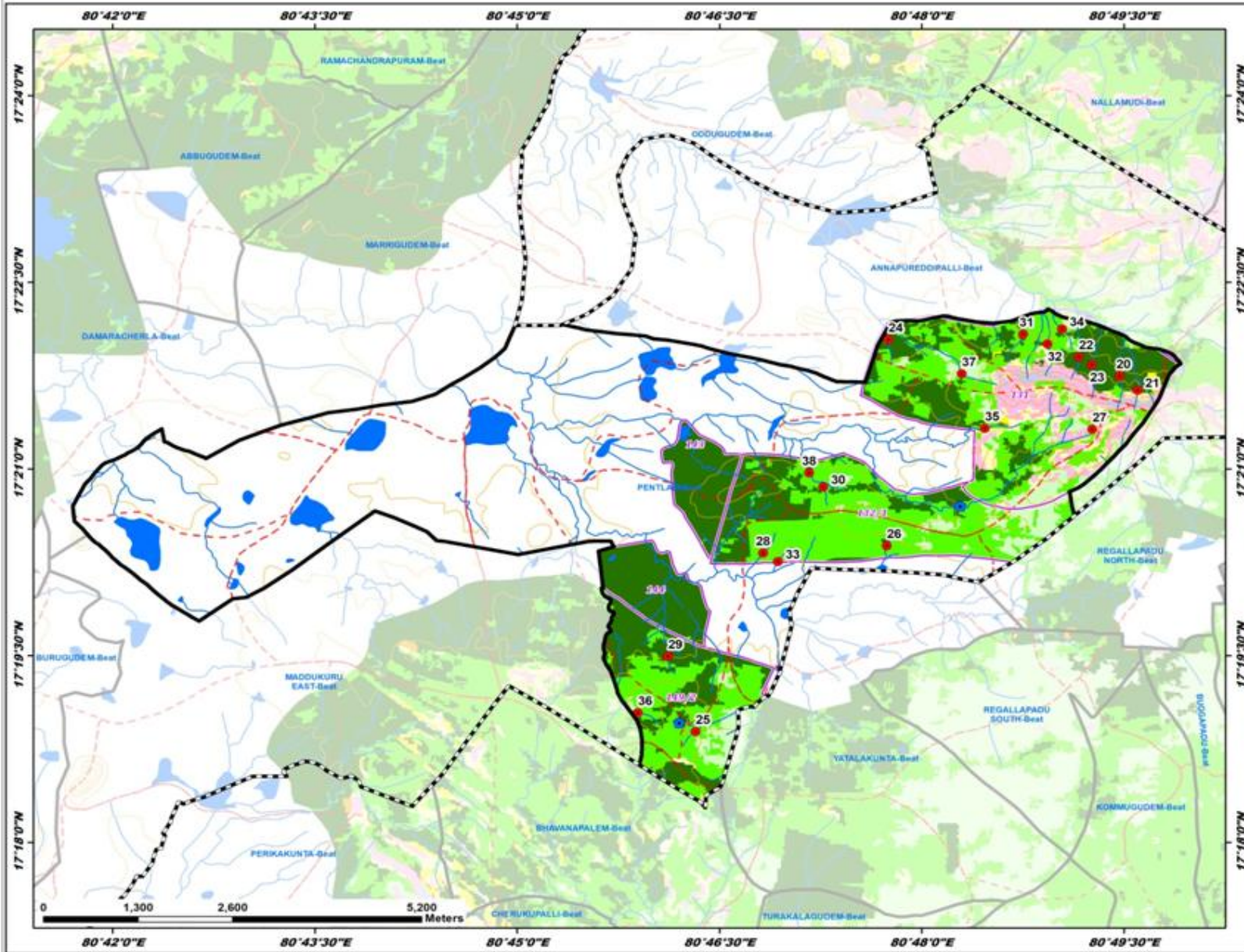
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability Index for Construction of SMC Works of Pentlam Beat



Division : Kothagudem  
Range : Chandrugonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
20	17.362458	80.824510	14.87	I
21	17.360567	80.826094	6.35	I
22	17.365019	80.819423	9.19	I
23	17.363981	80.821024	17.61	I
24	17.367356	80.795896	13.83	I
25	17.314876	80.772065	21.12	II
26	17.339731	80.795693	20.84	II
27	17.355330	80.821090	7.44	II
28	17.338777	80.780396	11.55	II
29	17.324934	80.768661	29.12	II
30	17.347594	80.787847	9.47	II
31	17.368063	80.812558	15.64	II
32	17.366763	80.815575	12.67	II
33	17.337615	80.782232	13.09	II
34	17.368761	80.817355	13.37	II
35	17.355447	80.807811	39.97	II
36	17.317377	80.764915	33.66	II
37	17.362759	80.804974	16.91	IV
38	17.349491	80.786118	32.98	II

**Legend**

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

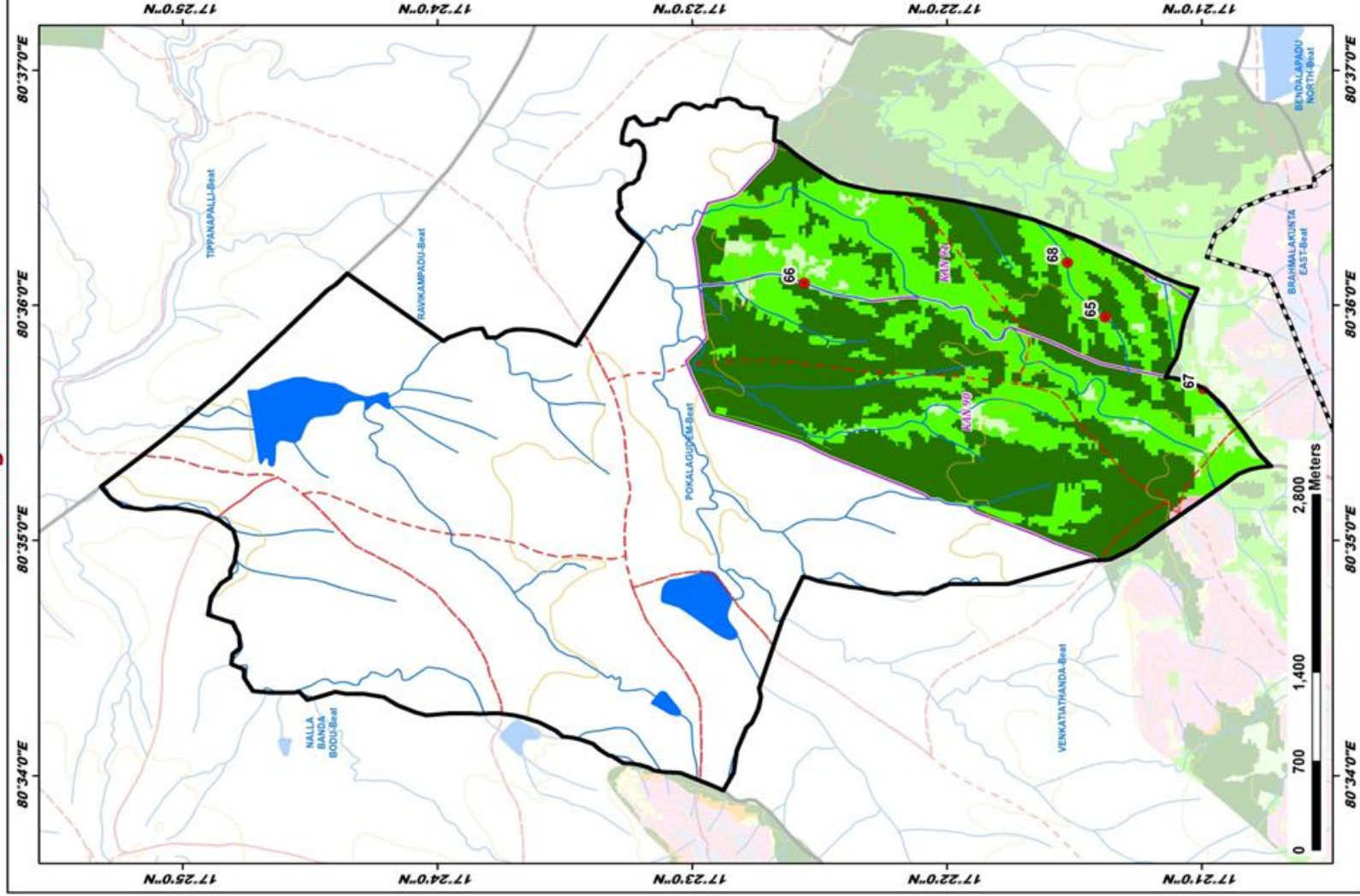
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Pokalagudem Beat



Division : Kothagudem  
Range : Chandrukgonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
65	17.356313	80.599189	22.18	II
66	17.370000	80.601605	24.23	II
67	17.349879	80.594107	42.41	III
68	17.358789	80.603061	49.70	III

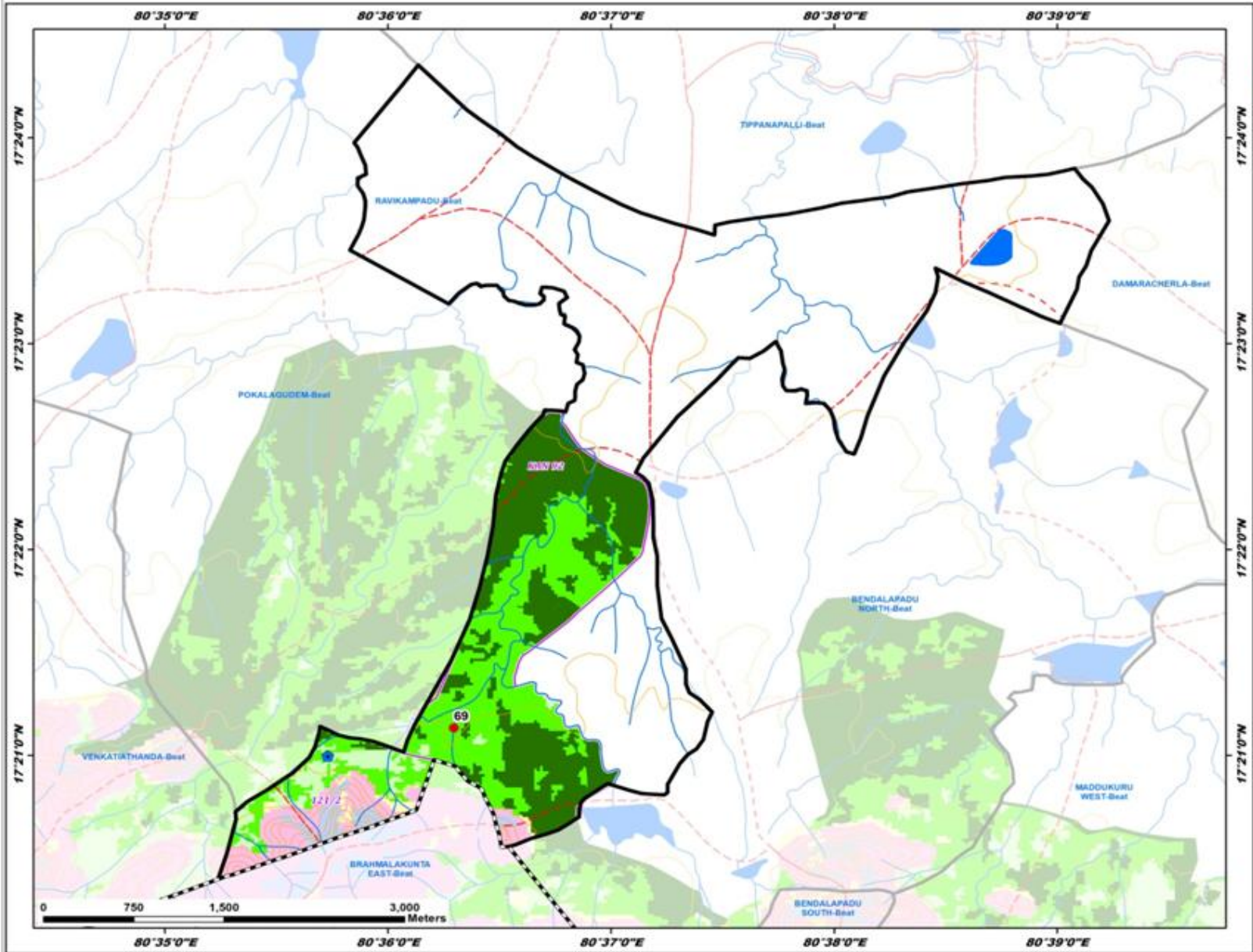
## LEGEND

- 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 SGP's - Suitable
  - Not Suitable
  - Water Body

# Map Showing Suitability Index for Construction of SMC Works of Ravikampadu Beat



Division : Kothagudem  
Range : Chandrukonda



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
69	17.352238	80.600939	54.17	IV

**Legend**

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

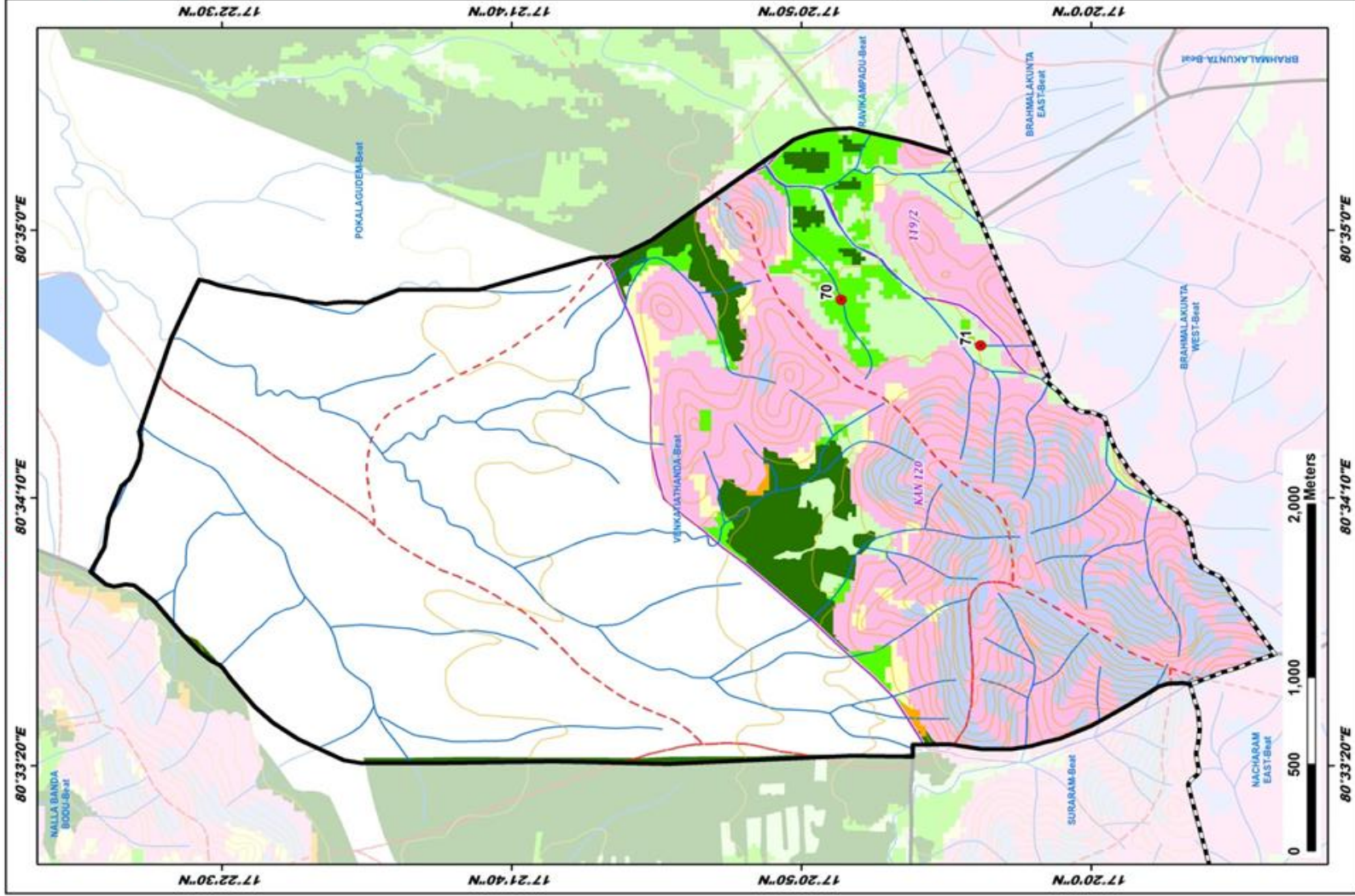
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Venkatiathanda Beat



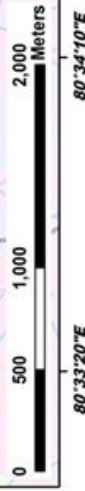
Division : Kothagudem  
Range : Chandrukonda



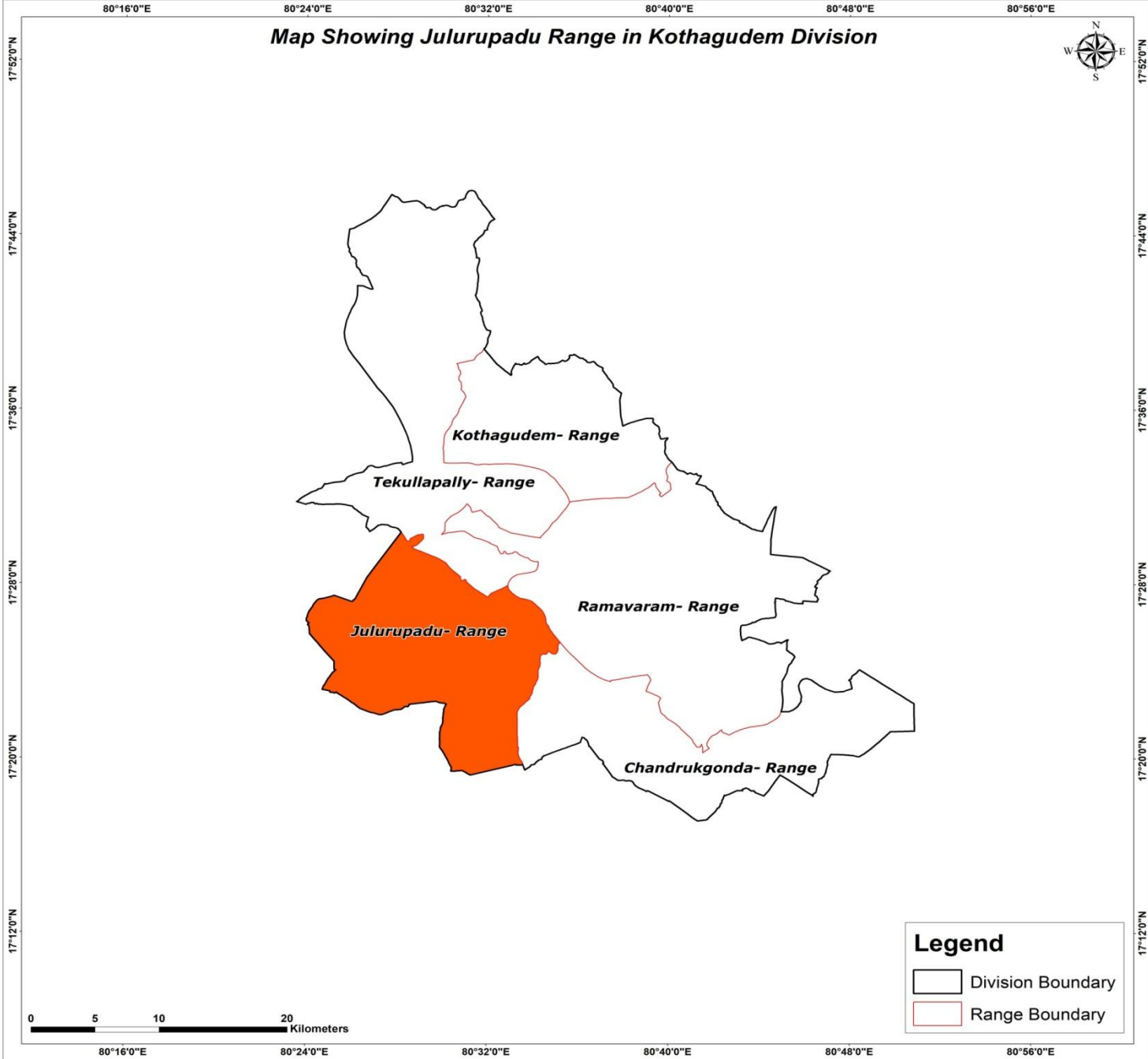
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
70	17.345309	80.579745	25.65	III
71	17.338824	80.577883	9.58	IV

## LEGEND

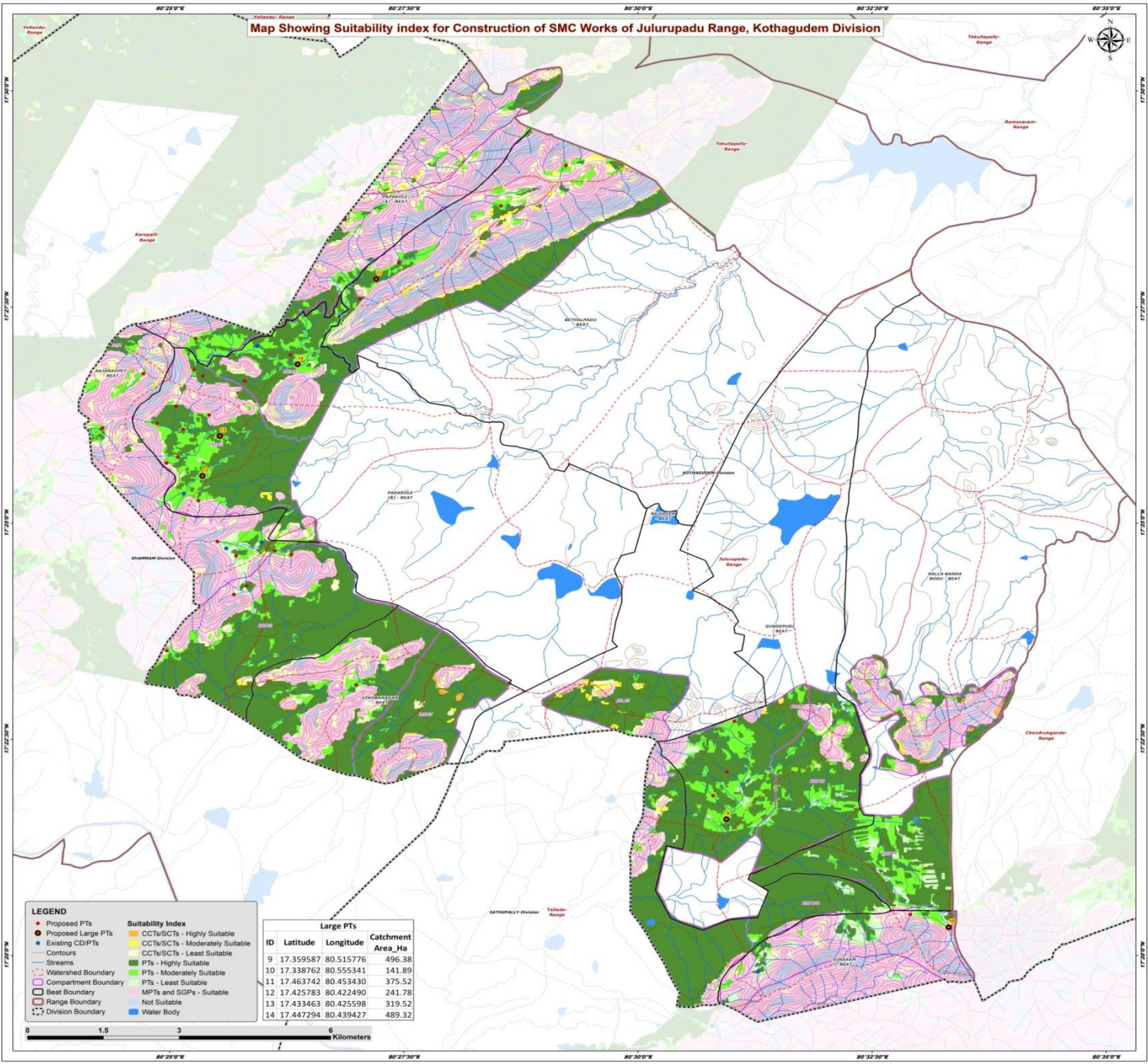
- Proposed PTs
  - Existing CD/PTs
  - Contours
  - Streams
  - Watershed Boundary
  - Compartment Boundary
  - Beat Boundary
  - Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
  - CCTs/SCTs - Moderately Suitable
  - CCTs/SCTs - Least Suitable
  - PTs - Highly Suitable
  - PTs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



# Map Showing Julurupadu Range in Kothagudem Division



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



**LEGEND**

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

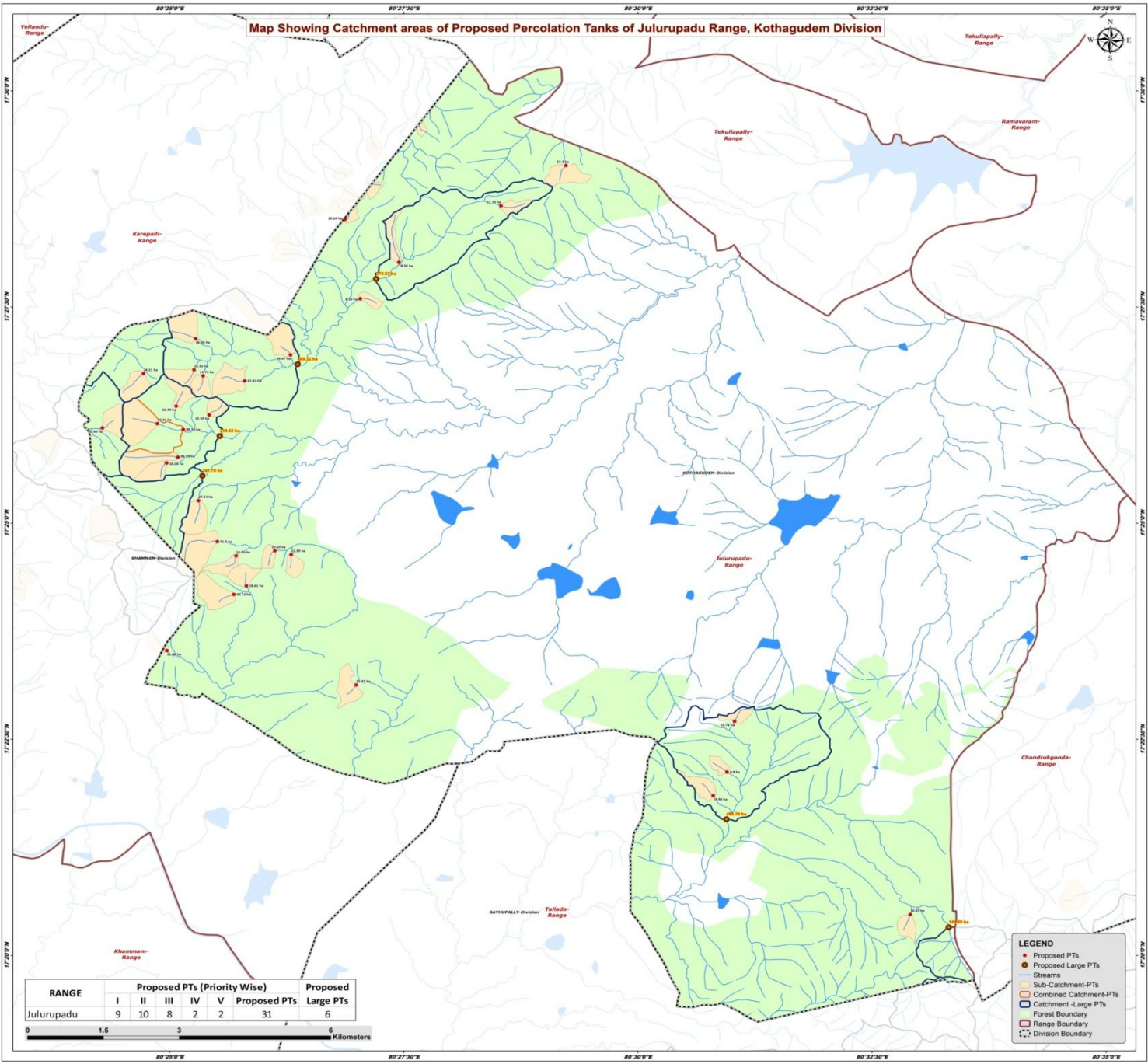
**Suitability Index**

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

Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
9	17.359587	80.515776	496.38
10	17.338762	80.555341	141.89
11	17.463742	80.453430	375.52
12	17.425783	80.422490	241.78
13	17.433463	80.425598	319.52
14	17.447294	80.439427	489.32



Map Showing Catchment areas of Proposed Percolation Tanks of Julurupadu Range, Kothagudem Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Julurupadu	9	10	8	2	2	31
						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 – Julurupadu Range

S. No.	Beat	Proposed PT's
1	BETHALPADU	4
2	GUNDEPUDI	3
3	PAPAKOLE_A	2
4	PAPAKOLE_B	11
5	RAJARAOPET	9
6	SURARAM	1
7	VINOBANAGAR	1
	<b>Total</b>	<b>31</b>

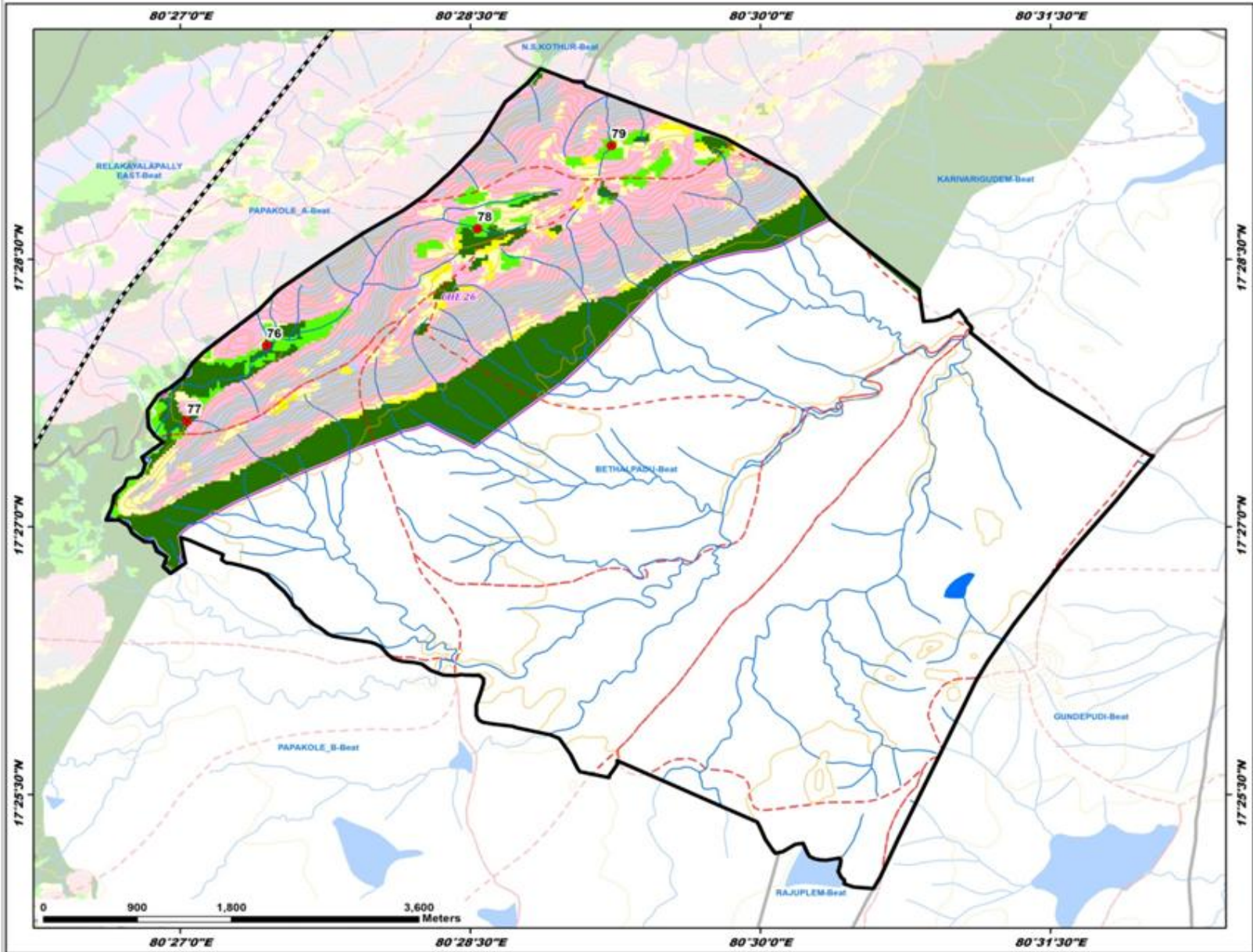
## List of Proposed PTs – Julurupadu Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
72	17.368689	80.515860	9.90	I	GUNDEPUDI
73	17.378460	80.517219	12.76	II	GUNDEPUDI
74	17.364130	80.513398	19.94	II	GUNDEPUDI
75	17.341221	80.548491	14.81	IV	SURARAM
76	17.466965	80.457454	18.95	I	BETHALPADU
77	17.459906	80.450583	8.52	I	BETHALPADU
78	17.477855	80.475613	11.75	II	BETHALPADU
79	17.485624	80.487187	27.40	III	BETHALPADU
80	17.475239	80.447864	19.14	II	PAPAKOLE_A
81	17.452245	80.421299	36.56	III	PAPAKOLE_A
82	17.445074	80.422598	14.71	I	PAPAKOLE_B
83	17.439214	80.417835	16.49	I	PAPAKOLE_B
84	17.446221	80.421012	16.32	I	PAPAKOLE_B
85	17.437529	80.423699	12.59	II	PAPAKOLE_B
86	17.428272	80.416110	18.26	II	PAPAKOLE_B
87	17.444099	80.430017	32.82	II	PAPAKOLE_B
88	17.449102	80.438184	59.47	III	PAPAKOLE_B
89	17.421014	80.421793	27.54	III	PAPAKOLE_B
90	17.429374	80.418141	36.59	III	PAPAKOLE_B
91	17.435847	80.414479	48.31	III	PAPAKOLE_B
92	17.434726	80.419094	90.33	III	PAPAKOLE_B
93	17.410588	80.438289	12.39	I	RAJARAOPET
94	17.404587	80.430318	18.61	I	RAJARAOPET
95	17.435018	80.404695	20.99	I	RAJARAOPET
96	17.392085	80.416170	11.06	II	RAJARAOPET
97	17.445510	80.412010	24.21	II	RAJARAOPET
98	17.411336	80.435400	10.65	II	RAJARAOPET
99	17.410359	80.428493	14.75	IV	RAJARAOPET
100	17.413103	80.425154	51.60	V	RAJARAOPET
101	17.402930	80.428090	34.13	V	RAJARAOPET
102	17.385465	80.449872	25.47	III	VINOBANAGAR

# Map Showing Suitability Index for Construction of SMC Works of Bethalpadu Beat



Division : Kothagudem  
Range : Julurupadu



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
76	17.466965	80.457454	18.95	I
77	17.459906	80.450583	8.52	I
78	17.477855	80.475613	11.75	II
79	17.485624	80.487187	27.40	III

**Legend**

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

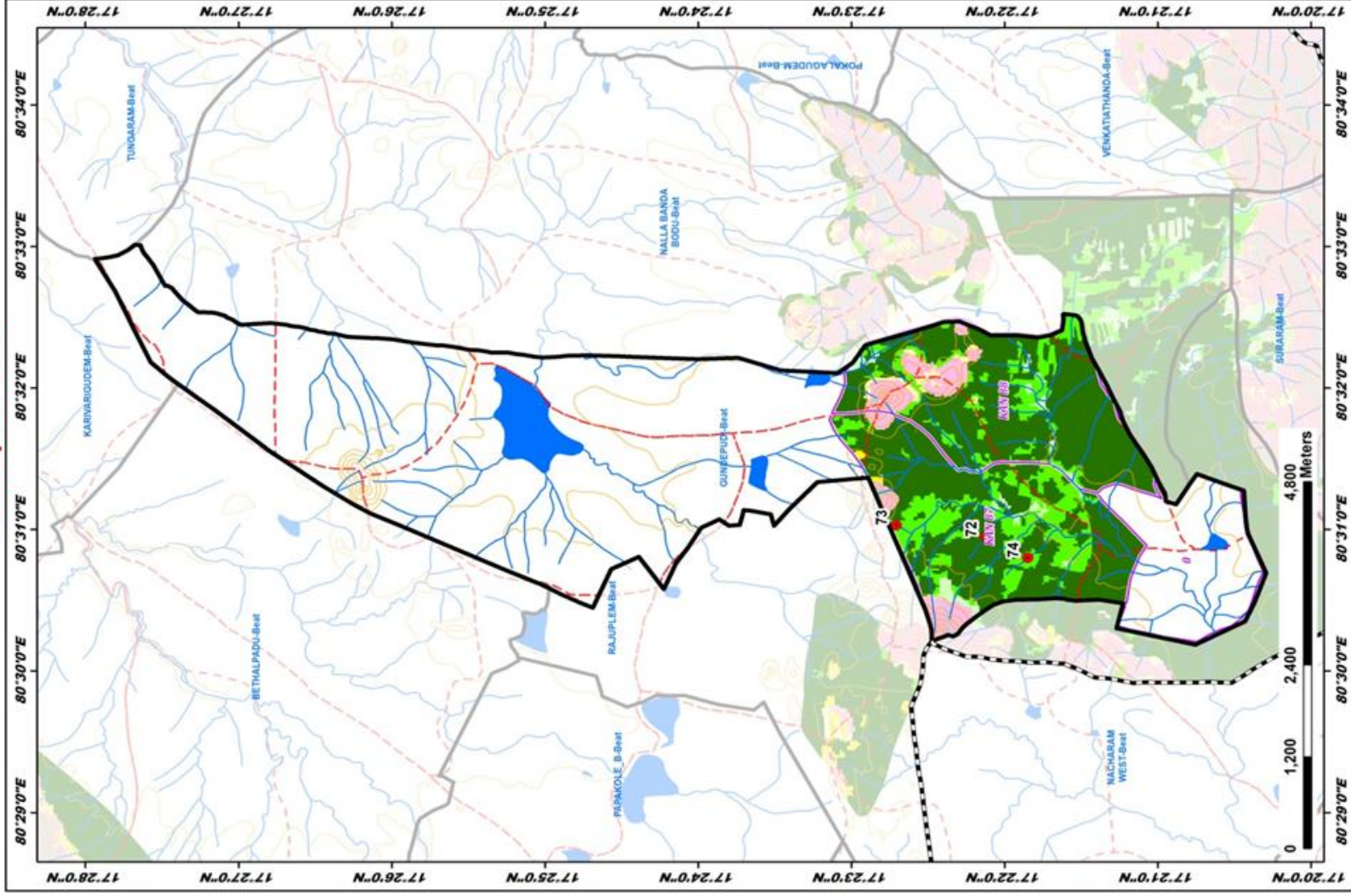
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Gundepudi Beat



Division : Kothagudem  
Range : Julurupadu



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
72	17.36889	80.51580	9.90	I
73	17.37860	80.51729	12.76	II
74	17.364130	80.513398	15.94	III

**LEGEND**

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

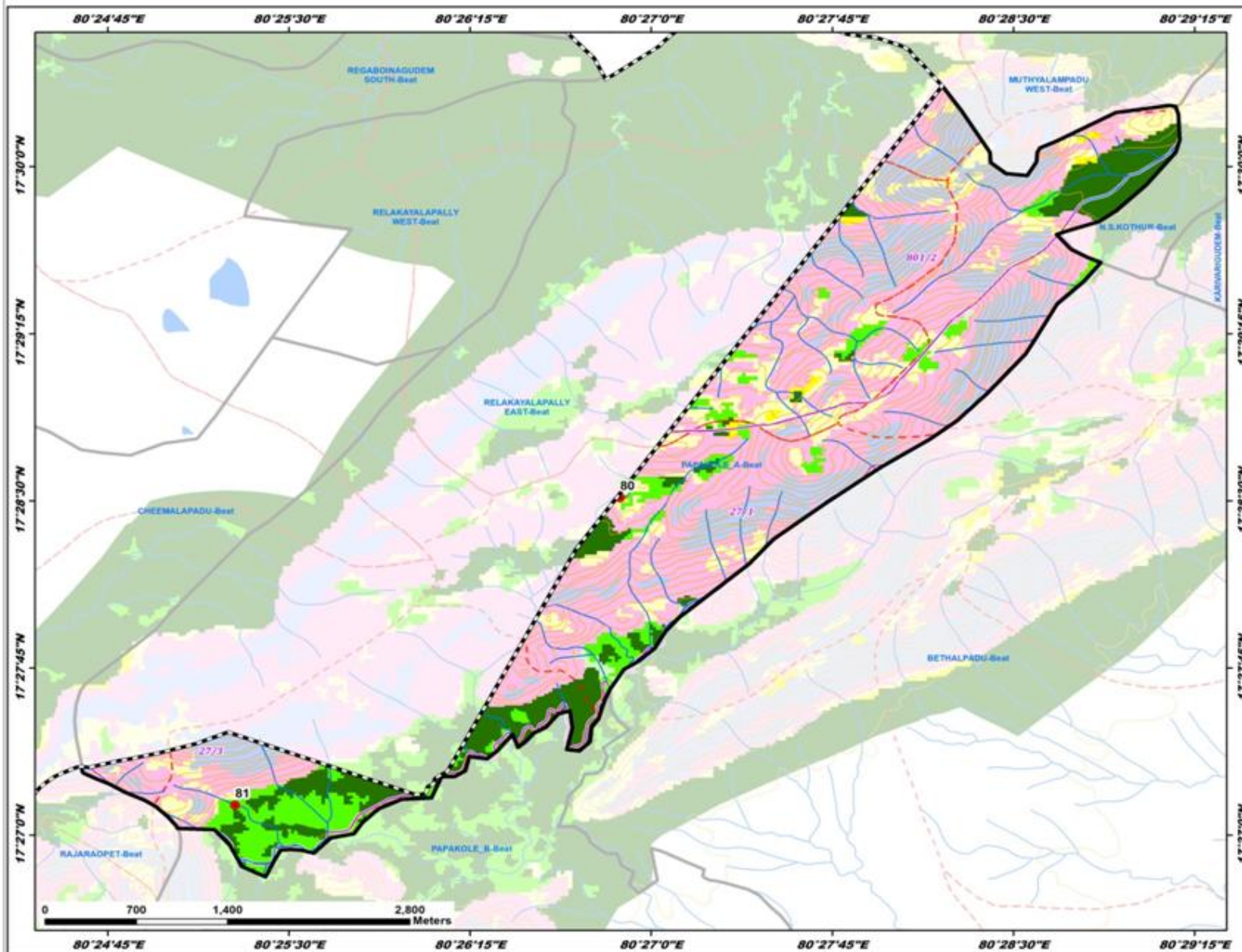
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Papakole - A Beat



Division : Kothagudem  
Range : Julurupadu



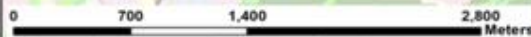
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
80	17.475239	80.447864	19.14	II
81	17.452245	80.421299	36.56	III

**Legend**

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

**Suitability Index**

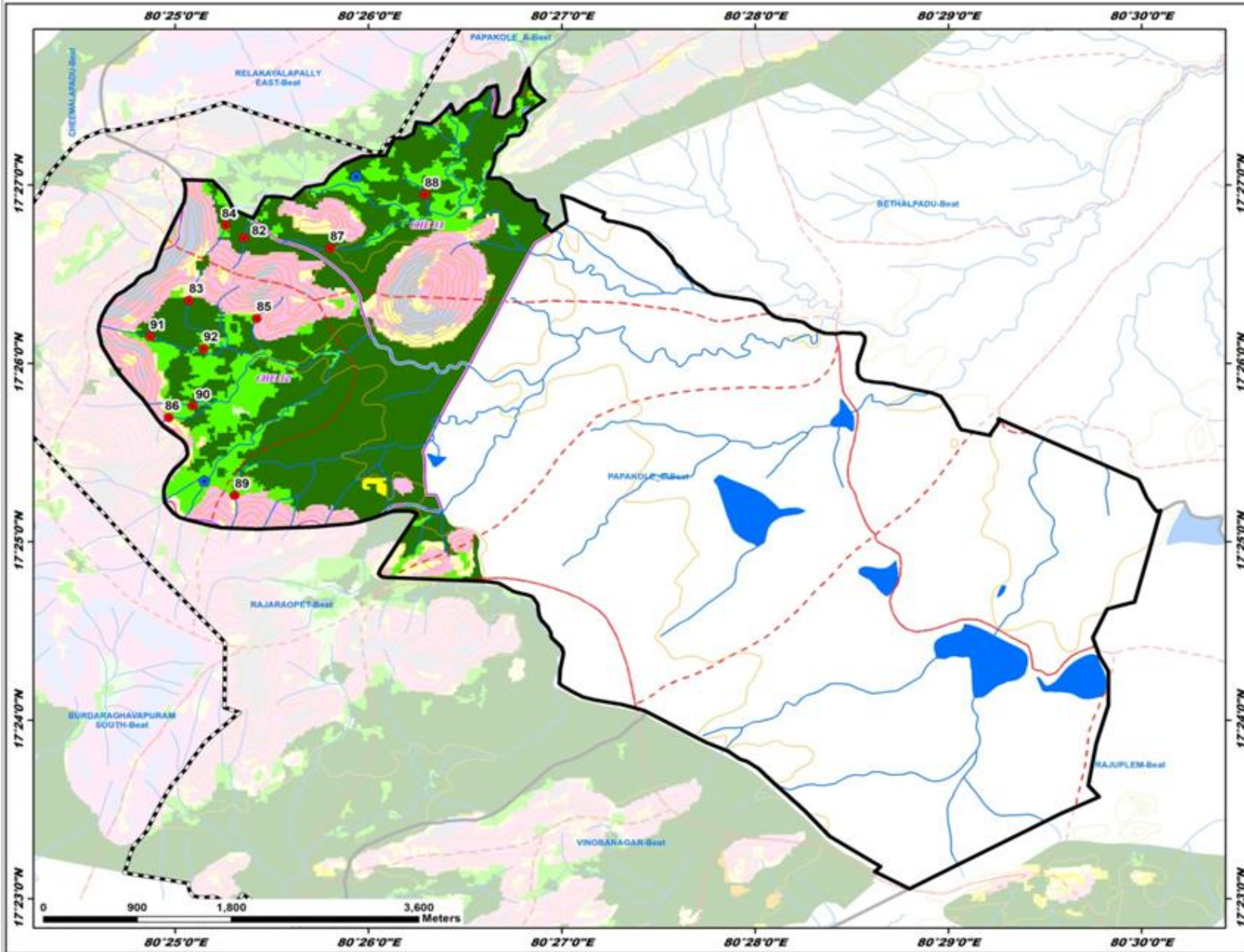
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability Index for Construction of SMC Works of Papakole-B Beat



Division : Kothagudem  
Range : Julurupadu



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
82	17.445074	80.422598	14.71	I
83	17.439234	80.417835	16.49	I
84	17.446221	80.421012	16.32	I
85	17.437529	80.423699	12.59	II
86	17.428272	80.416110	18.26	II
87	17.444099	80.430017	32.82	II
88	17.449102	80.438184	59.47	III
89	17.421034	80.421793	27.54	III
90	17.429374	80.418141	36.59	III
91	17.435847	80.414479	48.31	III
92	17.434726	80.419094	90.33	III

**Legend**

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

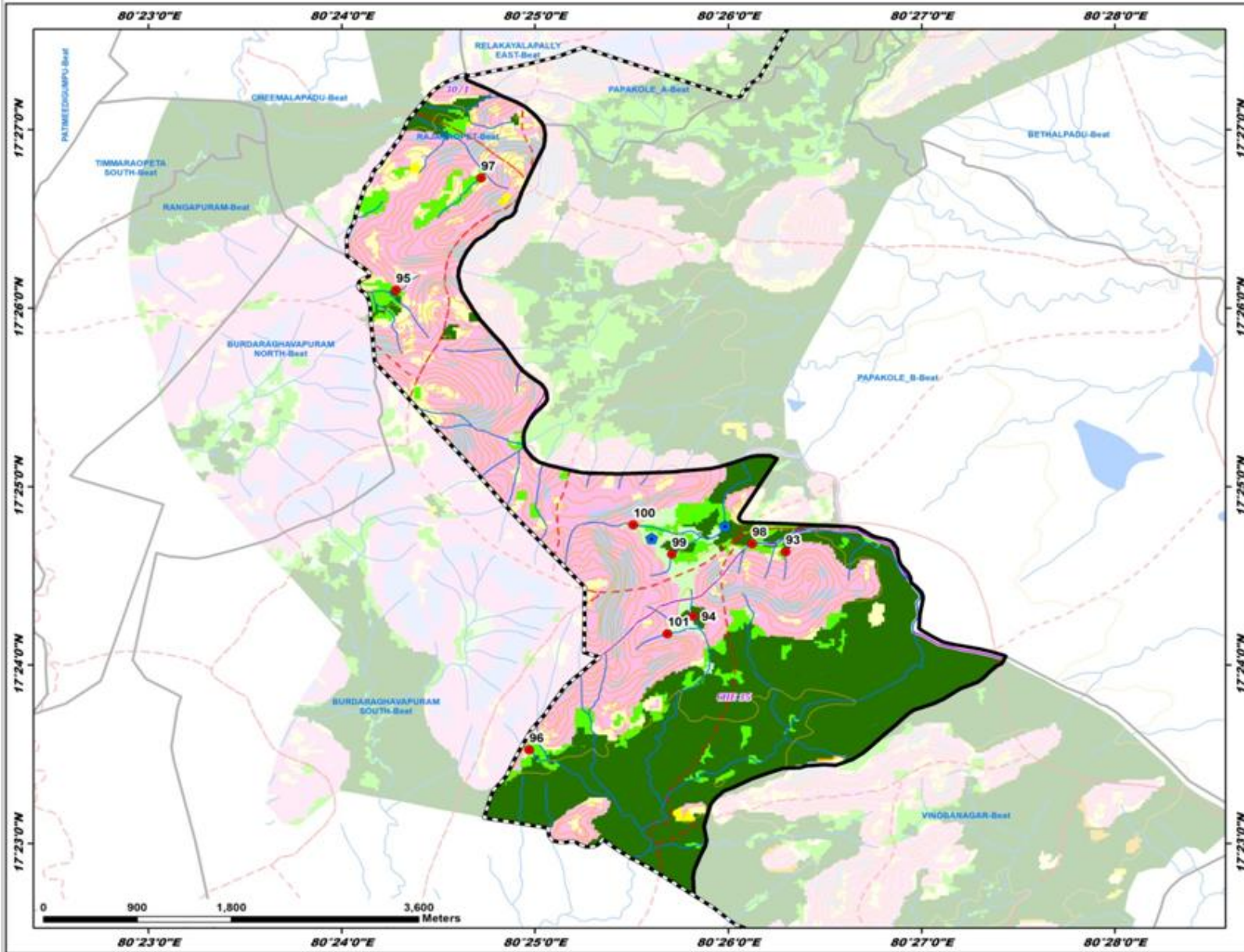
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Rajaraopet Beat



Division : Kothagudem  
Range : Julurupadu



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
93	17.410588	80.438289	12.99	I
94	17.404587	80.430318	18.61	I
95	17.435018	80.404695	20.99	I
96	17.392085	80.416170	11.06	II
97	17.445510	80.412010	24.21	II
98	17.411336	80.435400	10.65	II
99	17.410359	80.428493	14.75	IV
100	17.413103	80.425154	51.60	V
101	17.402990	80.428090	34.13	V

**Legend**

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

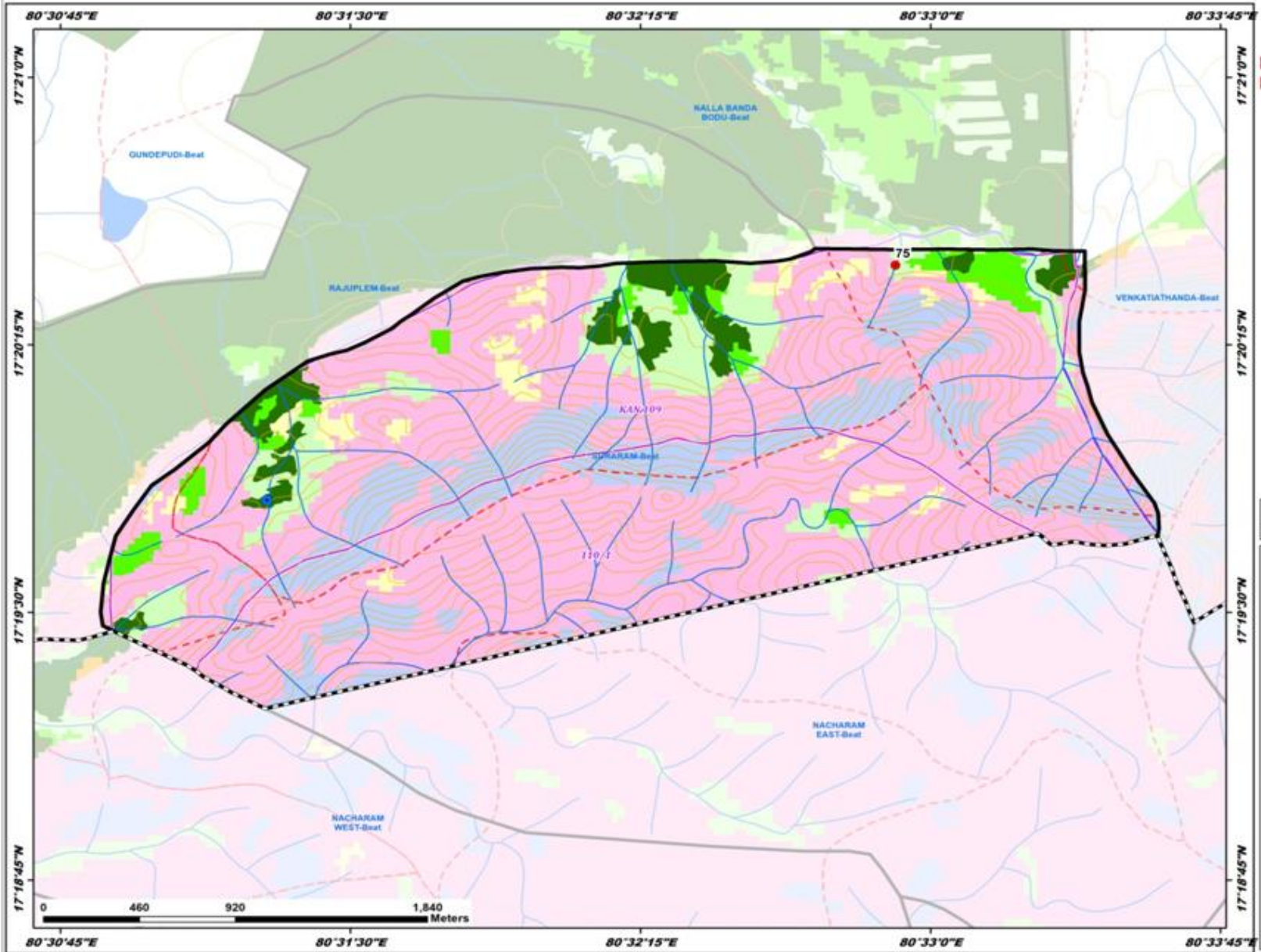
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Suraram Beat



Division : Kothagudem  
Range : Julurupadu



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
75	17.341221	80.548491	14.81	IV

**Legend**

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

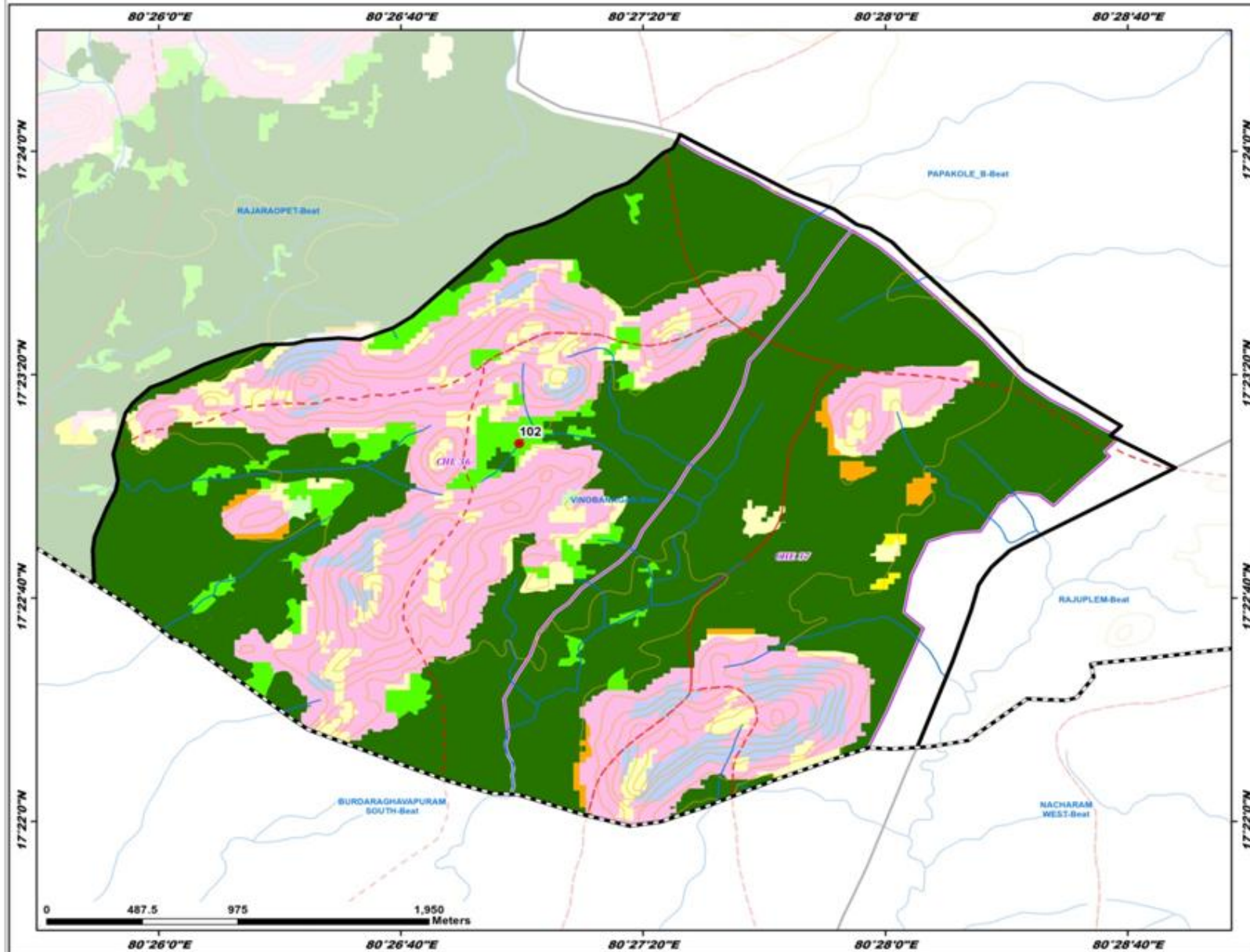
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Vinobanagar Beat



Division : Kothagudem  
Range : Julurupadu



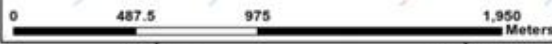
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
102	17.385465	80.449872	25.47	II

**Legend**

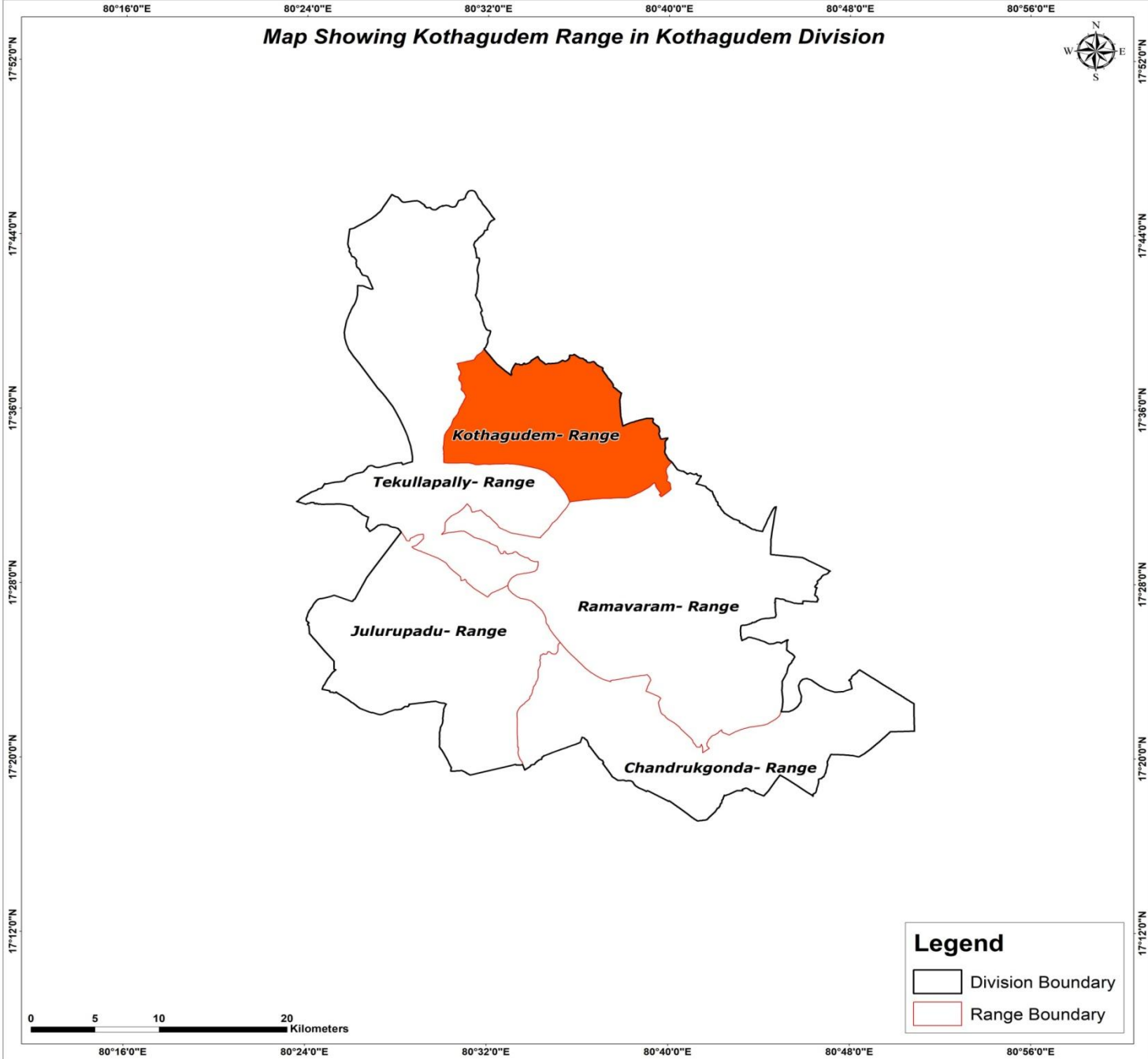
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- ▭ Beat Boundary
- - - Division Boundary

**Suitability Index**

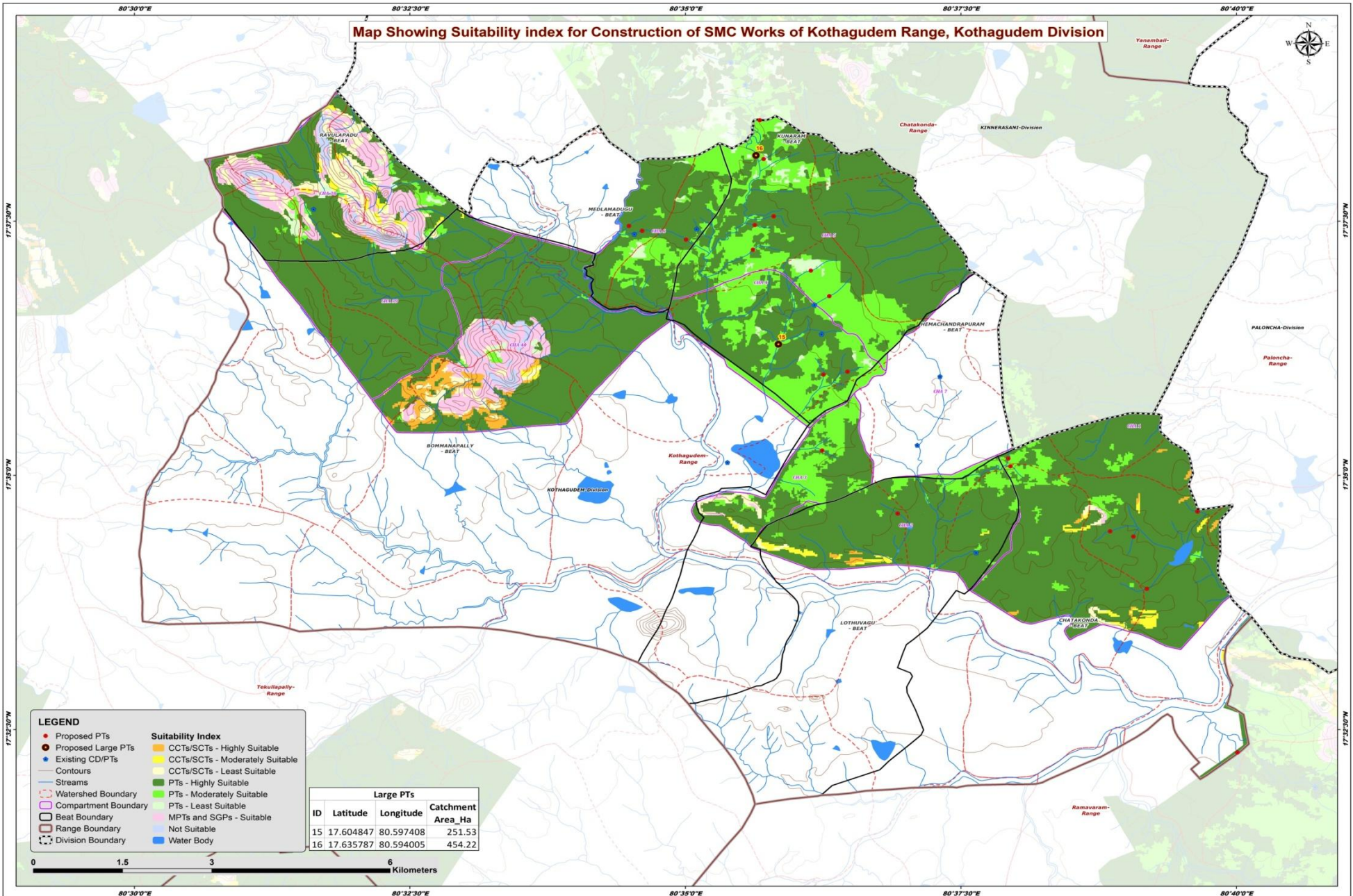
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Kothagudem Range in Kothagudem Division



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

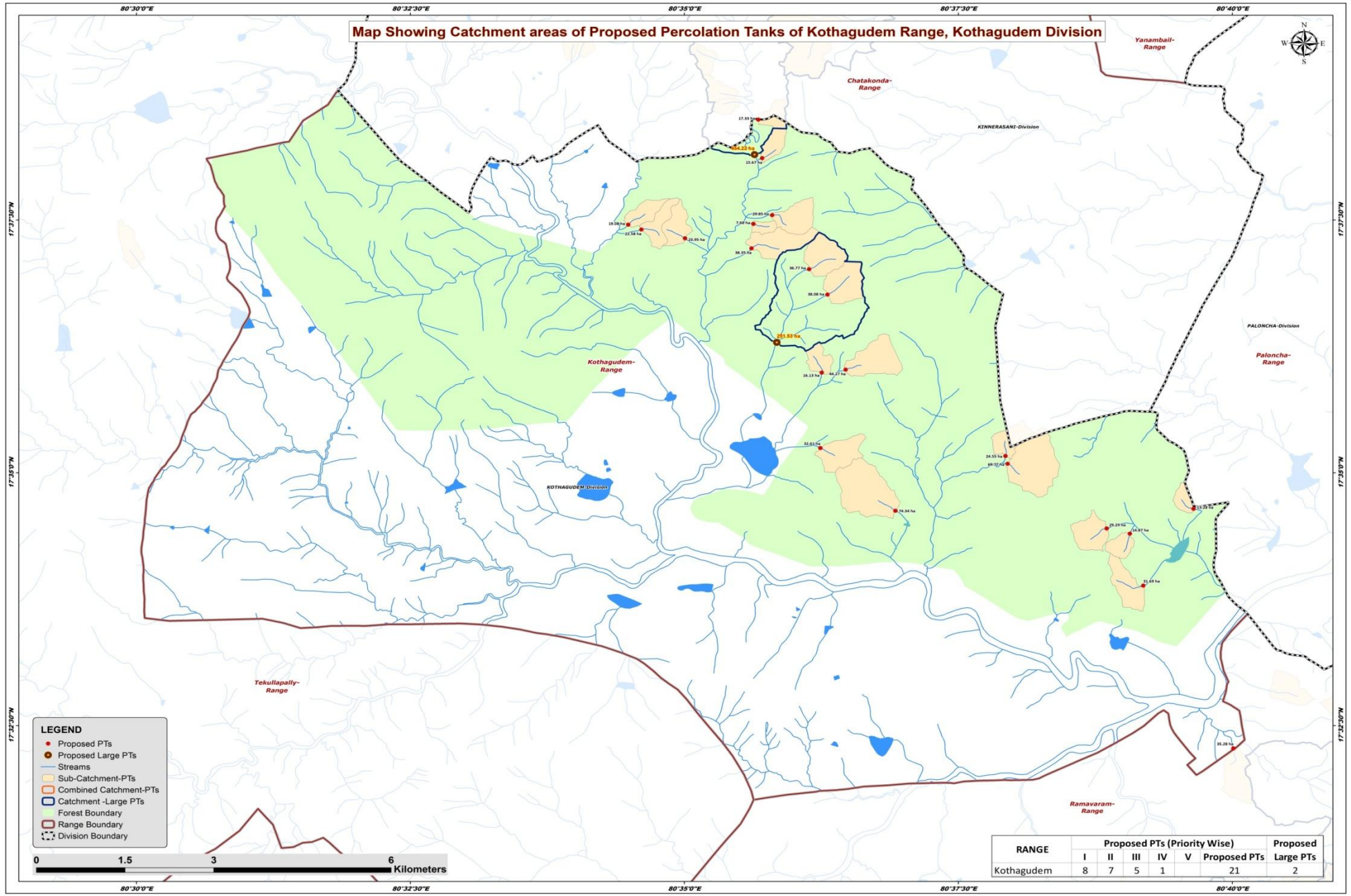


- LEGEND**
- Proposed PTs
  - Proposed Large PTs
  - Existing CD/PTs
  - Contours
  - Streams
  - Watershed Boundary
  - Compartment Boundary
  - Beat Boundary
  - Range Boundary
  - Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
  - CCTs/SCTs - Moderately Suitable
  - CCTs/SCTs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

Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
15	17.604847	80.597408	251.53
16	17.635787	80.594005	454.22



# Map Showing Catchment areas of Proposed Percolation Tanks of Kothagudem Range, Kothagudem 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	
Kothagudem	8	7	5	1	21	2

## Beat wise Abstract of Proposed PT's – Kothagudem Range

S. No.	Beat	Proposed PT's
1	CHATAKONDA	7
2	HEMACHANDRAPURAM	1
3	KUNARAM	9
4	LOTHUVAGU	1
5	MEDLAMADUGU	3
	<b>Total</b>	<b>21</b>

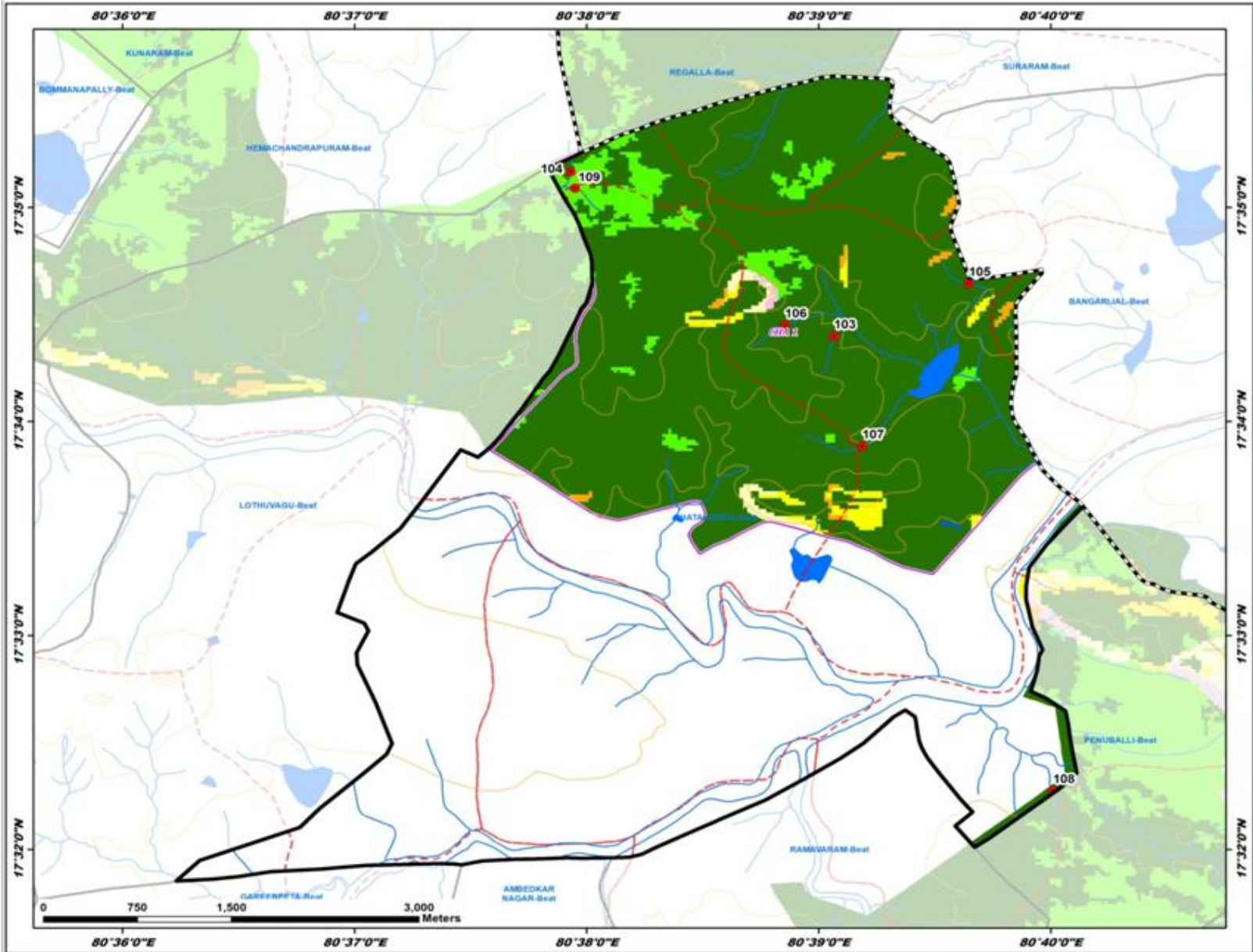
## List of Proposed PTs – Kothagudem Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
103	17.573311	80.651106	14.87	I	CHATAKONDA
104	17.586106	80.632190	24.55	I	CHATAKONDA
105	17.577417	80.660785	13.28	I	CHATAKONDA
106	17.574167	80.647588	29.29	II	CHATAKONDA
107	17.564748	80.653137	31.69	II	CHATAKONDA
108	17.537925	80.666843	35.28	II	CHATAKONDA
109	17.584824	80.632505	69.77	IV	CHATAKONDA
110	17.587425	80.604018	32.61	III	HEMACHANDRAPURAM
111	17.577094	80.615451	74.34	III	LOTHUVAGU
112	17.599849	80.604243	16.13	I	KUNARAM
113	17.624364	80.593843	7.68	I	KUNARAM
114	17.600341	80.607868	44.27	II	KUNARAM
115	17.641561	80.594583	17.33	II	KUNARAM
116	17.625819	80.596693	29.85	II	KUNARAM
117	17.635197	80.595171	15.67	II	KUNARAM
118	17.620326	80.593558	38.35	III	KUNARAM
119	17.616908	80.602314	36.77	III	KUNARAM
120	17.612719	80.605105	38.08	III	KUNARAM
121	17.623439	80.576804	22.58	I	MEDLAMADUGU
122	17.621982	80.583441	23.95	I	MEDLAMADUGU
123	17.624229	80.574803	19.08	I	MEDLAMADUGU

# Map Showing Suitability Index for Construction of SMC Works of Chatakonda Beat



Division : Kothagudem  
Range : Kothagudem



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
104	17.586106	80.632190	24.55	I
105	17.577417	80.660785	13.28	I
106	17.574367	80.647588	29.29	II
107	17.564748	80.653137	31.89	II
108	17.537925	80.666843	35.28	II
109	17.584824	80.632505	69.77	IV

**Legend**

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

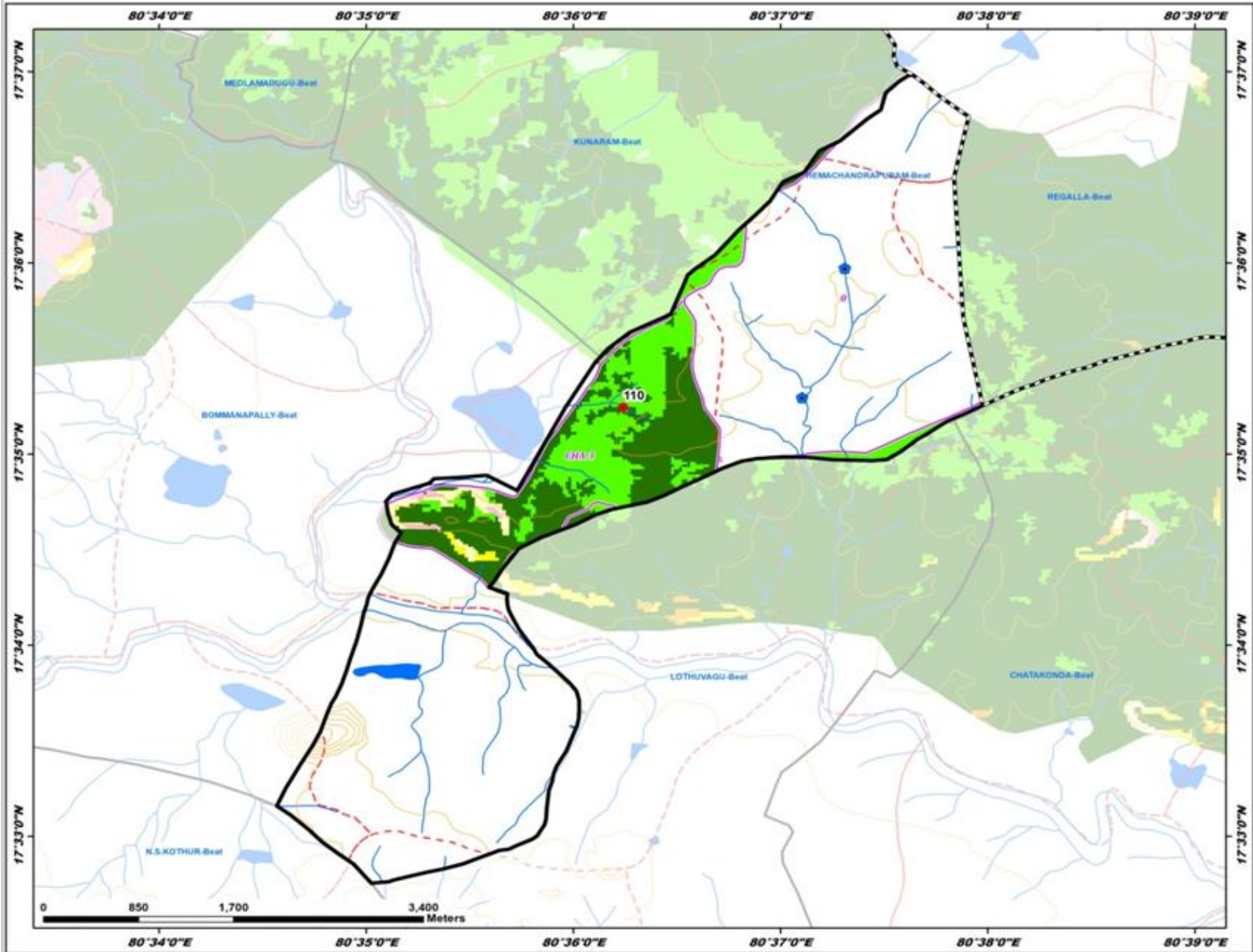
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Hemachandrapuram Beat



Division : Kothagudem  
Range : Kothagudem



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
110	17.587425	80.608018	32.61	III

**Legend**

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

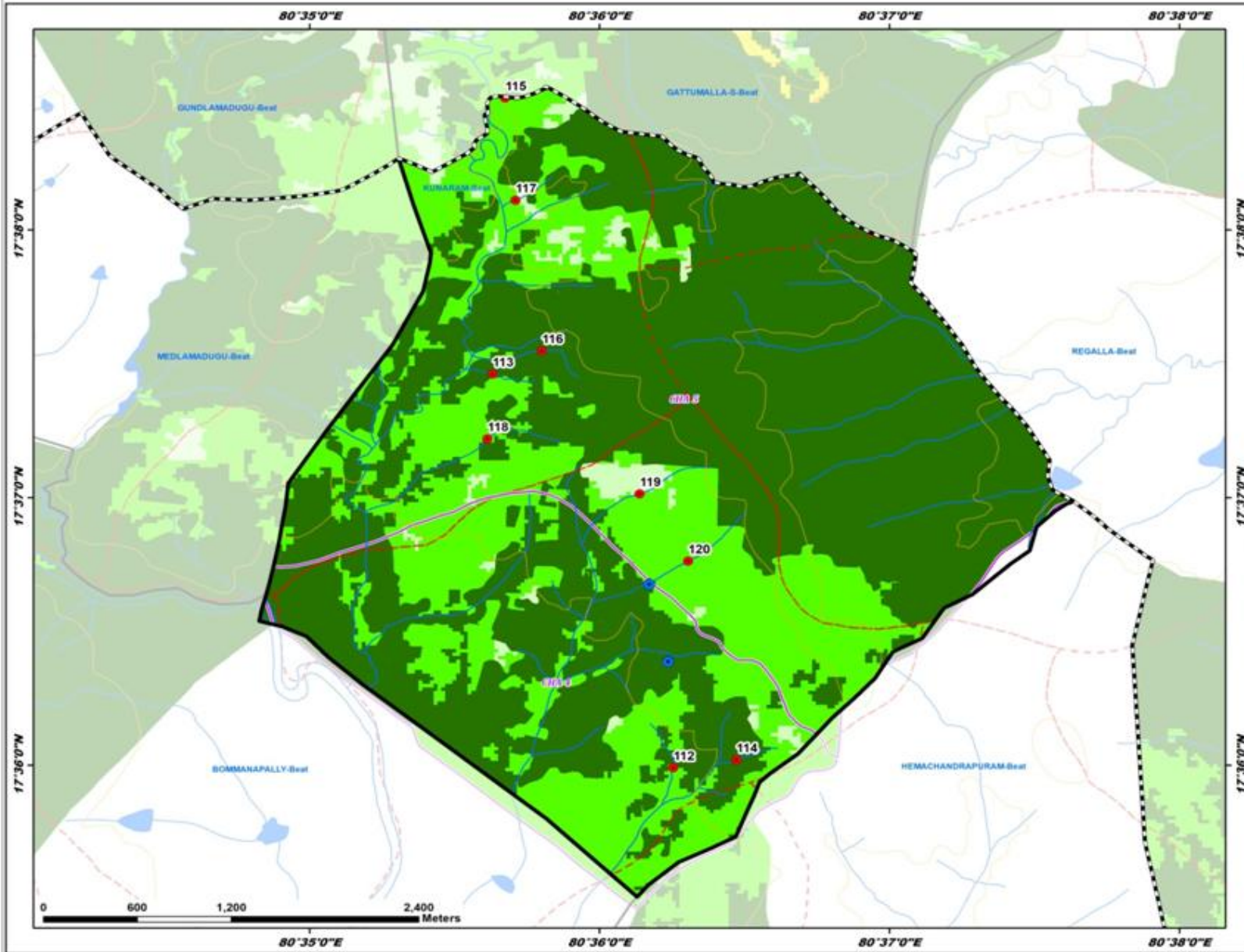
**Suitability Index**

- 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 Kunaram Beat



Division : Kothagudem  
Range : Kothagudem



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
112	17.599849	80.604243	16.13	I
113	17.624364	80.593843	7.68	I
114	17.600541	80.607868	44.27	II
115	17.641561	80.594583	17.33	II
116	17.625819	80.596093	29.85	II
117	17.635197	80.595171	15.67	II
118	17.620326	80.593558	38.35	III
119	17.616908	80.602314	36.77	III
120	17.612719	80.605105	38.08	III

**Legend**

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

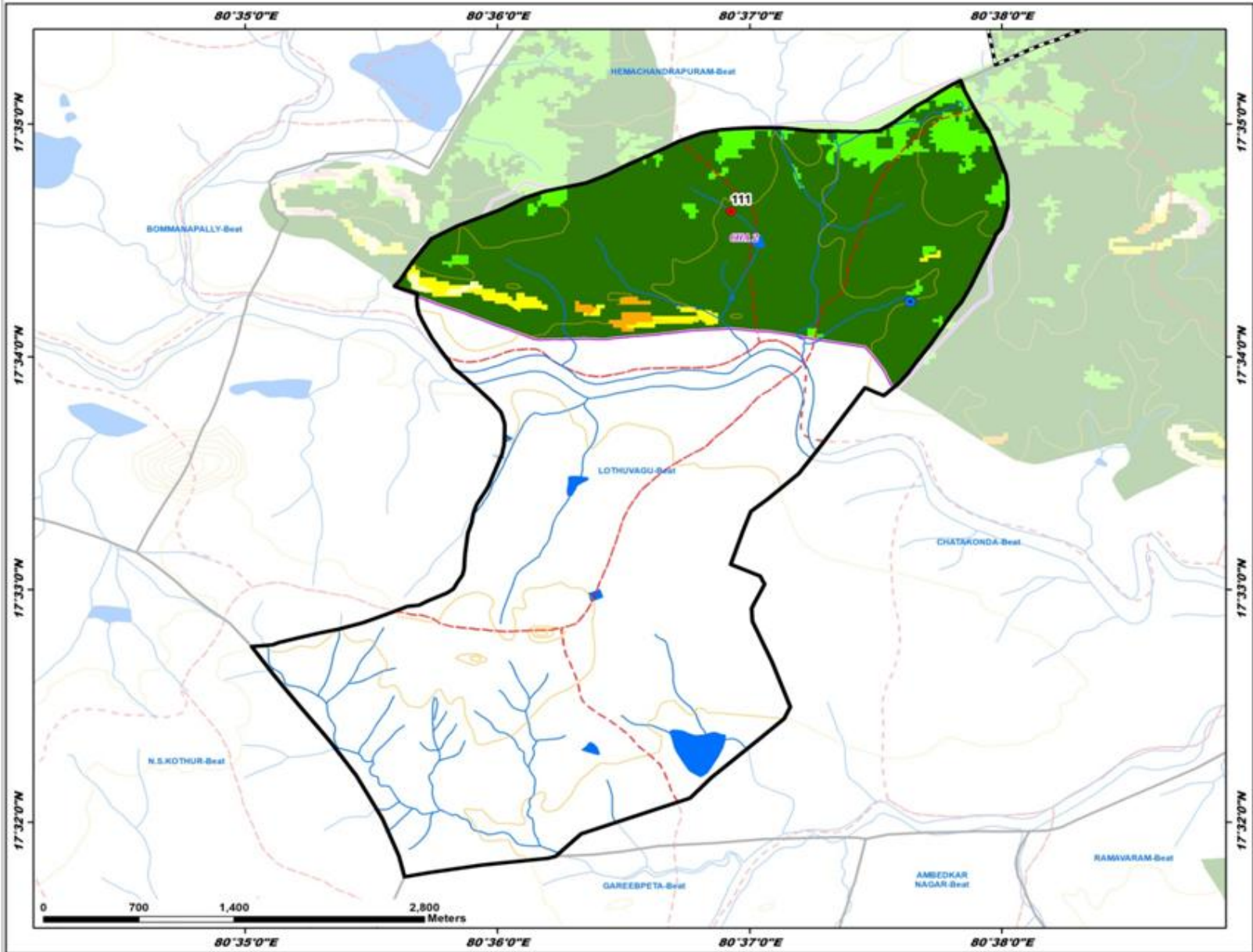
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Lothuvagu Beat



Division : Kothagudem  
Range : Kothagudem



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
111	17.577094	80.615451	74.34	III

**Legend**

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

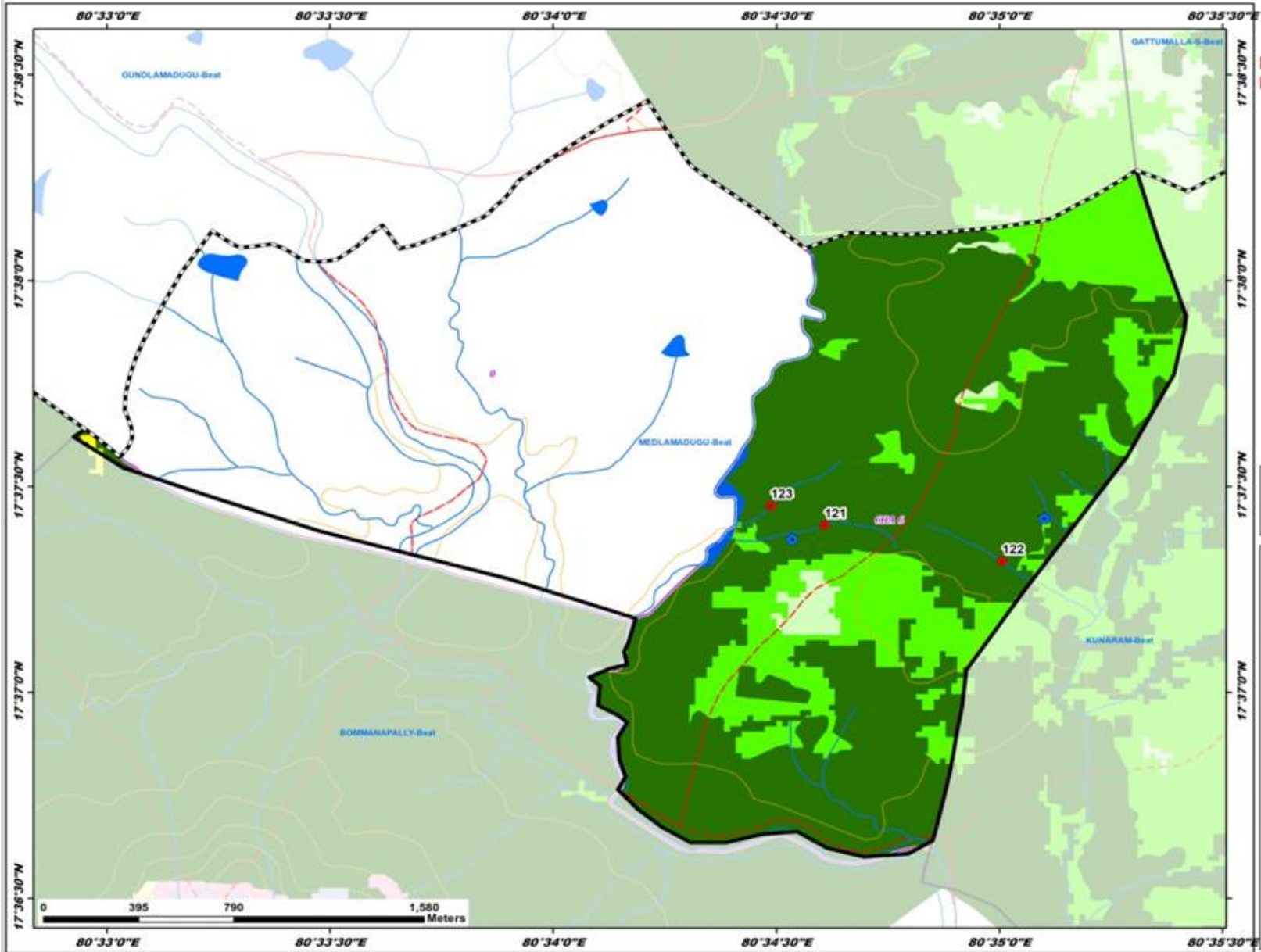
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Medlamadugu Beat



Division : Kothagudem  
Range : Kothagudem



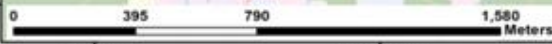
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
121	17.623499	80.576804	22.58	I
122	17.621962	80.580441	23.95	I
123	17.624229	80.574803	19.08	I

**Legend**

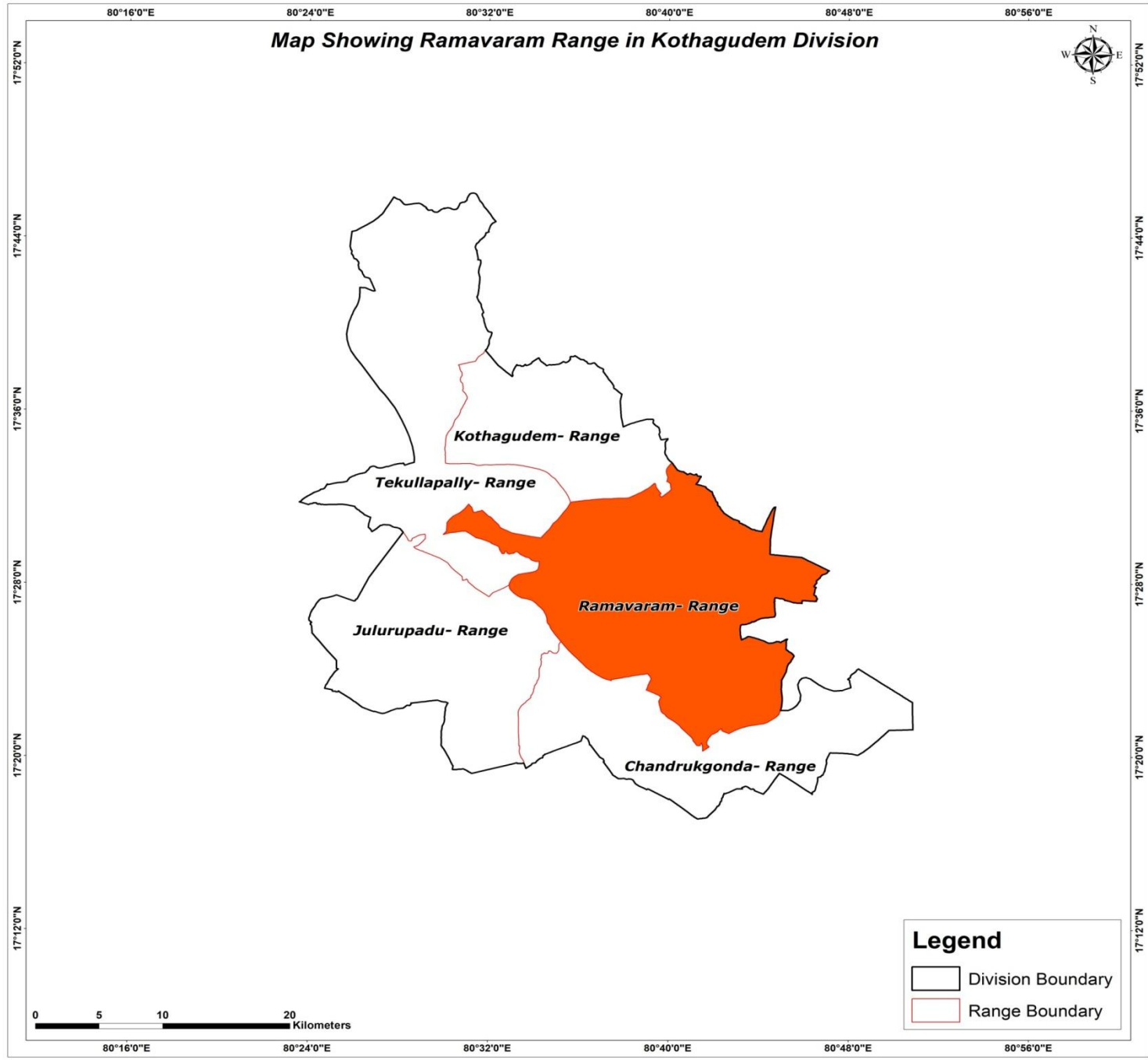
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- Compartment Boundary
- Beat Boundary
- - - Division Boundary

**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 Ramavaram Range in Kothagudem Division



17°52'0"N  
17°44'0"N  
17°36'0"N  
17°28'0"N  
17°20'0"N  
17°12'0"N

17°52'0"N  
17°44'0"N  
17°36'0"N  
17°28'0"N  
17°20'0"N  
17°12'0"N

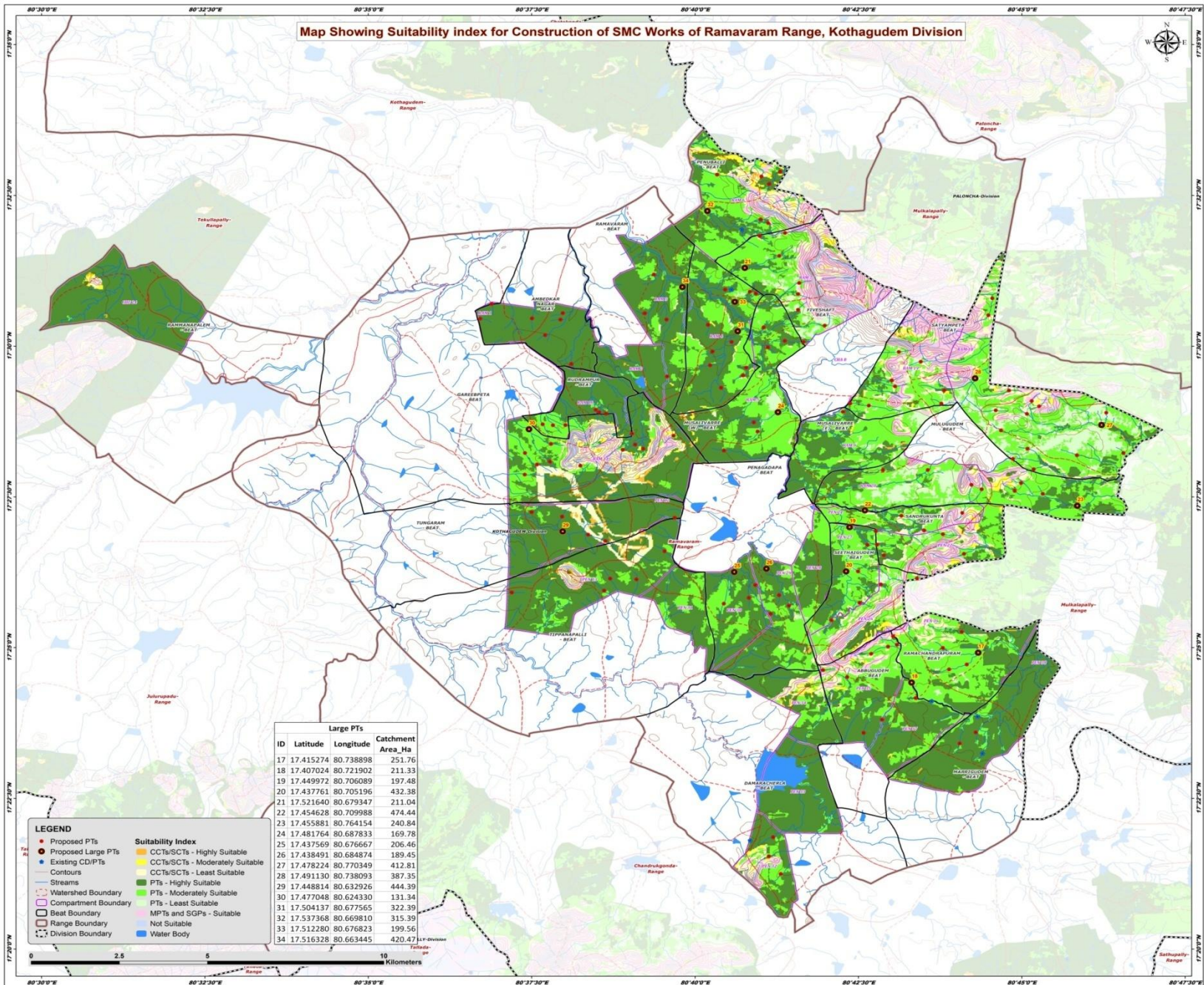
80°16'0"E 80°24'0"E 80°32'0"E 80°40'0"E 80°48'0"E 80°56'0"E

80°16'0"E 80°24'0"E 80°32'0"E 80°40'0"E 80°48'0"E 80°56'0"E

0 5 10 20 Kilometers

**Legend**  
Division Boundary  
Range Boundary

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



Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
17	17.415274	80.738898	251.76
18	17.407024	80.721902	211.33
19	17.449972	80.706089	197.48
20	17.437761	80.705196	432.38
21	17.521640	80.679347	211.04
22	17.454628	80.709988	474.44
23	17.455881	80.764154	240.84
24	17.481764	80.687833	169.78
25	17.437569	80.676667	206.46
26	17.438491	80.684874	189.45
27	17.478224	80.770349	412.81
28	17.491130	80.738093	387.35
29	17.448814	80.632926	444.39
30	17.477048	80.624330	131.34
31	17.504137	80.677565	322.39
32	17.537368	80.669810	315.39
33	17.512280	80.676823	199.56
34	17.516328	80.663445	420.47

**LEGEND**

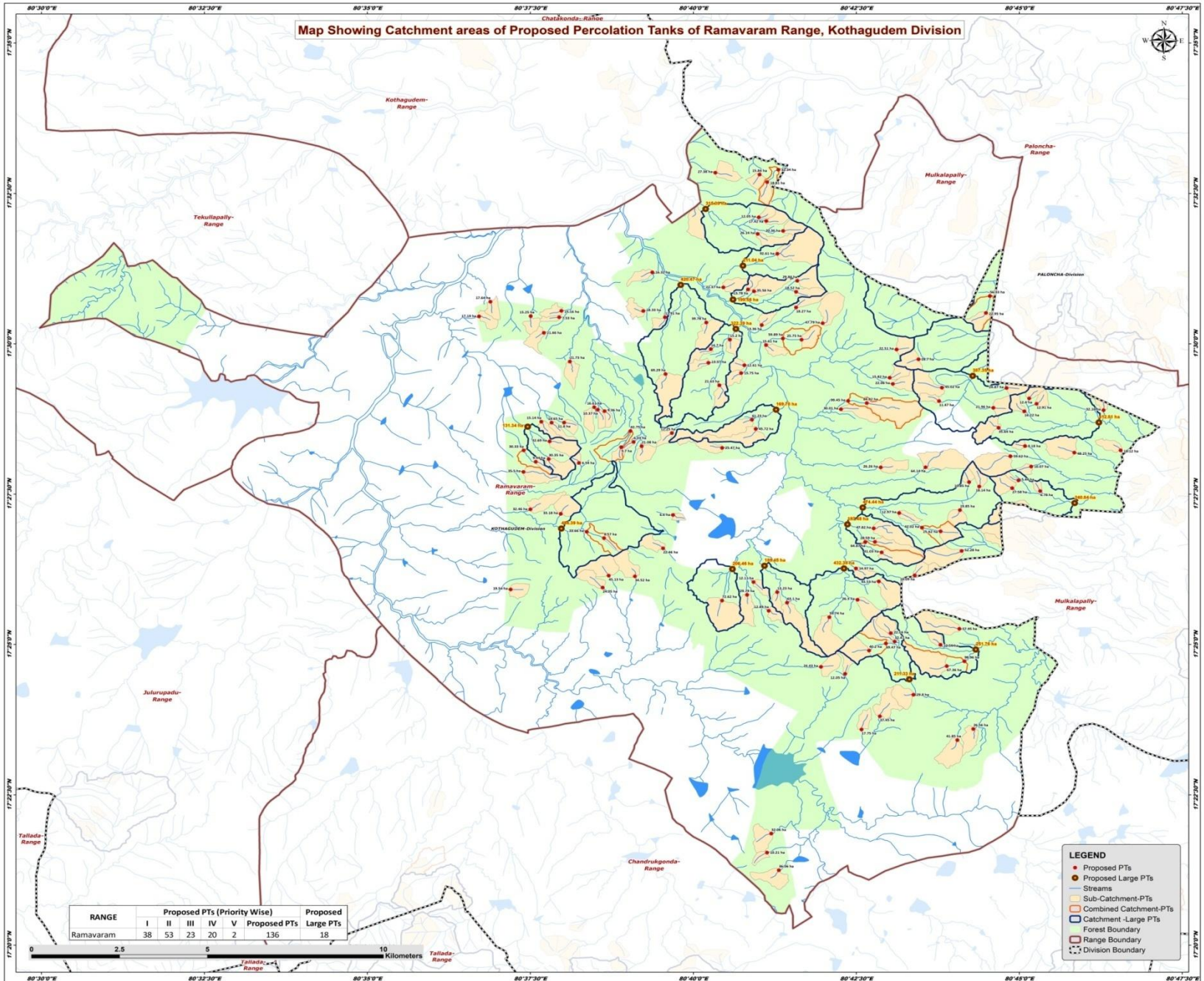
- Proposed PTs
- Existing Large PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Range Boundary
- Division Boundary

**Suitability Index**

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



Map Showing Catchment areas of Proposed Percolation Tanks of Ramavaram Range, Kothagudem Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Ramavaram	38	53	23	20	2	136
						18

- 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 – Ramavaram Range

S. No.	Beat	Proposed PT's
1	ABBUGUEDEM	8
2	AMBEDKAR NAGAR	6
3	DAMARACHERLA	3
4	FIVESHAF	8
5	GAREEBPETA	12
6	MARRIGUEDEM	2
7	MULUGUEDEM	7
8	MUSALIVARRE EAST	1
9	MUSALIVARRE WEST	6
10	PENAGADAPA	6
11	PENUBALLI	16
12	RAMACHANDRAPURAM	5
13	RAMAVARAM	4
14	RUDRAMPUR	6
15	SANDRUKUNTA	8
16	SATYAMPETA	22
17	SEETHAIGUEDEM	6
18	TIPPANAPALLI	5
19	TUNGARAM	5
	<b>Total</b>	<b>136</b>

## List of Proposed PTs – Ramavaram 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
124	17.393123	80.709692	17.75	I	ABBUGUDEM	164	17.459206	80.755371	6.78	II	MULUGUDEM	204	17.484168	80.706263	99.45	IV	SATYAMPETA
125	17.396790	80.714355	37.45	II	ABBUGUDEM	165	17.462173	80.749828	5.44	II	MULUGUDEM	205	17.513253	80.742486	56.33	IV	SATYAMPETA
126	17.402759	80.722961	29.80	II	ABBUGUDEM	166	17.460001	80.748198	27.58	III	MULUGUDEM	206	17.443312	80.658942	22.46	I	TIPPANAPALLI
127	17.410494	80.699311	24.43	II	ABBUGUDEM	167	17.465765	80.714584	26.26	III	MULUGUDEM	207	17.432444	80.643504	24.05	I	TIPPANAPALLI
128	17.408528	80.705488	12.05	II	ABBUGUDEM	168	17.465805	80.726040	64.14	IV	MULUGUDEM	208	17.431928	80.619972	19.54	I	TIPPANAPALLI
129	17.415007	80.711608	40.20	III	ABBUGUDEM	169	17.461692	80.737184	10.85	IV	MULUGUDEM	209	17.435565	80.651754	34.52	II	TIPPANAPALLI
130	17.417472	80.718149	32.47	III	ABBUGUDEM	170	17.460464	80.739785	18.14	IV	MULUGUDEM	210	17.435739	80.645035	45.13	II	TIPPANAPALLI
131	17.416968	80.715914	69.47	IV	ABBUGUDEM	171	17.481873	80.704437	30.01	III	MUSALIVARRE EAST	211	17.446156	80.643828	8.57	I	TUNGARAM
132	17.390173	80.734163	41.85	II	MARRIGUDEM	172	17.505203	80.684137	13.36	I	MUSALIVARRE(W)	212	17.452566	80.661486	6.60	I	TUNGARAM
133	17.393256	80.738270	26.56	II	MARRIGUDEM	173	17.499645	80.685267	15.61	II	MUSALIVARRE(W)	213	17.452871	80.632788	33.18	II	TUNGARAM
134	17.419820	80.717168	22.16	I	RAMACHANDRAPURAM	174	17.471162	80.674034	25.47	II	MUSALIVARRE(W)	214	17.454139	80.625025	32.46	II	TUNGARAM
135	17.416599	80.729861	12.54	I	RAMACHANDRAPURAM	175	17.476418	80.682644	45.72	III	MUSALIVARRE(W)	215	17.447917	80.639402	33.66	II	TUNGARAM
136	17.410678	80.731472	67.36	IV	RAMACHANDRAPURAM	176	17.478949	80.681676	61.23	III	MUSALIVARRE(W)	216	17.495082	80.635094	21.73	I	AMBEDKAR NAGAR
137	17.421020	80.734704	57.95	IV	RAMACHANDRAPURAM	177	17.501482	80.689575	59.89	III	MUSALIVARRE(W)	217	17.507673	80.625097	15.25	I	AMBEDKAR NAGAR
138	17.412020	80.735979	98.96	IV	RAMACHANDRAPURAM	178	17.431171	80.688132	13.23	I	PENAGADAPA	218	17.507604	80.611895	17.19	I	AMBEDKAR NAGAR
139	17.359002	80.685526	10.21	II	DAMARACHERLA	179	17.433978	80.682069	12.11	I	PENAGADAPA	219	17.509149	80.632958	15.16	I	AMBEDKAR NAGAR
140	17.364273	80.686605	32.06	II	DAMARACHERLA	180	17.426020	80.685946	12.89	I	PENAGADAPA	220	17.507358	80.632395	7.53	I	AMBEDKAR NAGAR
141	17.354131	80.688554	36.06	III	DAMARACHERLA	181	17.430454	80.680397	29.79	II	PENAGADAPA	221	17.503059	80.628468	21.66	I	AMBEDKAR NAGAR
142	17.453121	80.719298	12.97	II	SANDRUKUNTA	182	17.428282	80.690620	63.10	IV	PENAGADAPA	222	17.471639	80.653453	21.08	I	GAREEBPETA
143	17.448850	80.712782	47.82	II	SANDRUKUNTA	183	17.428843	80.674007	72.62	IV	PENAGADAPA	223	17.511672	80.614782	17.64	I	GAREEBPETA
144	17.442213	80.714822	41.03	II	SANDRUKUNTA	184	17.490615	80.716878	15.82	I	SATYAMPETA	224	17.472825	80.651393	6.03	I	GAREEBPETA
145	17.445109	80.713117	28.59	III	SANDRUKUNTA	185	17.498419	80.718632	22.51	II	SATYAMPETA	225	17.471357	80.648268	9.70	I	GAREEBPETA
146	17.448032	80.729893	25.62	III	SANDRUKUNTA	186	17.470486	80.775914	18.12	II	SATYAMPETA	226	17.467303	80.626391	9.94	II	GAREEBPETA
147	17.442603	80.735265	52.28	IV	SANDRUKUNTA	187	17.487823	80.730232	45.02	II	SATYAMPETA	227	17.466990	80.637447	6.54	II	GAREEBPETA
148	17.453914	80.734828	19.85	IV	SANDRUKUNTA	188	17.508572	80.741487	22.95	II	SATYAMPETA	228	17.475276	80.661182	12.25	II	GAREEBPETA
149	17.449067	80.725135	42.02	III	SANDRUKUNTA	189	17.483392	80.754427	12.91	II	SATYAMPETA	229	17.468068	80.629710	30.35	II	GAREEBPETA
150	17.437745	80.708242	14.97	II	SEETHAIGUDEM	190	17.465991	80.753039	10.07	II	SATYAMPETA	230	17.472955	80.629938	32.69	III	GAREEBPETA
151	17.429064	80.708637	26.30	II	SEETHAIGUDEM	191	17.484116	80.729481	11.47	II	SATYAMPETA	231	17.464496	80.623243	35.50	III	GAREEBPETA
152	17.434157	80.714067	43.53	II	SEETHAIGUDEM	192	17.488905	80.717680	22.06	II	SATYAMPETA	232	17.475845	80.650606	42.75	II	GAREEBPETA
153	17.435847	80.723270	14.09	II	SEETHAIGUDEM	193	17.487740	80.746730	24.87	II	SATYAMPETA	233	17.470460	80.623298	30.33	III	GAREEBPETA
154	17.424242	80.701453	59.74	III	SEETHAIGUDEM	194	17.495723	80.724228	28.70	III	SATYAMPETA	234	17.494051	80.679712	12.61	I	PENUBALLI
155	17.445100	80.710633	64.87	III	SEETHAIGUDEM	195	17.469832	80.764077	48.25	III	SATYAMPETA	235	17.515649	80.674363	22.37	I	PENUBALLI
156	17.510080	80.692940	18.27	I	FIVESHAF	196	17.476714	80.744710	35.64	III	SATYAMPETA	236	17.491880	80.678889	15.75	I	PENUBALLI
157	17.514425	80.692949	18.52	II	FIVESHAF	197	17.468834	80.747732	59.62	IV	SATYAMPETA	237	17.501168	80.676023	15.20	I	PENUBALLI
158	17.530460	80.683129	26.14	II	FIVESHAF	198	17.481300	80.751322	16.22	IV	SATYAMPETA	238	17.488514	80.673341	21.63	I	PENUBALLI
159	17.501148	80.694354	25.75	II	FIVESHAF	199	17.483588	80.711032	84.82	IV	SATYAMPETA	239	17.544816	80.685562	18.81	I	PENUBALLI
160	17.531283	80.689621	20.36	II	FIVESHAF	200	17.471661	80.751467	8.18	IV	SATYAMPETA	240	17.546912	80.683617	15.84	I	PENUBALLI
161	17.517468	80.693242	29.84	III	FIVESHAF	201	17.484872	80.752523	12.60	IV	SATYAMPETA	241	17.534022	80.685315	17.42	I	PENUBALLI
162	17.524958	80.688145	92.61	IV	FIVESHAF	202	17.482259	80.743363	21.96	IV	SATYAMPETA	242	17.498530	80.671152	14.70	I	PENUBALLI
163	17.505698	80.699728	47.79	V	FIVESHAF	203	17.481606	80.771558	32.16	V	SATYAMPETA	243	17.505920	80.669979	39.78	II	PENUBALLI

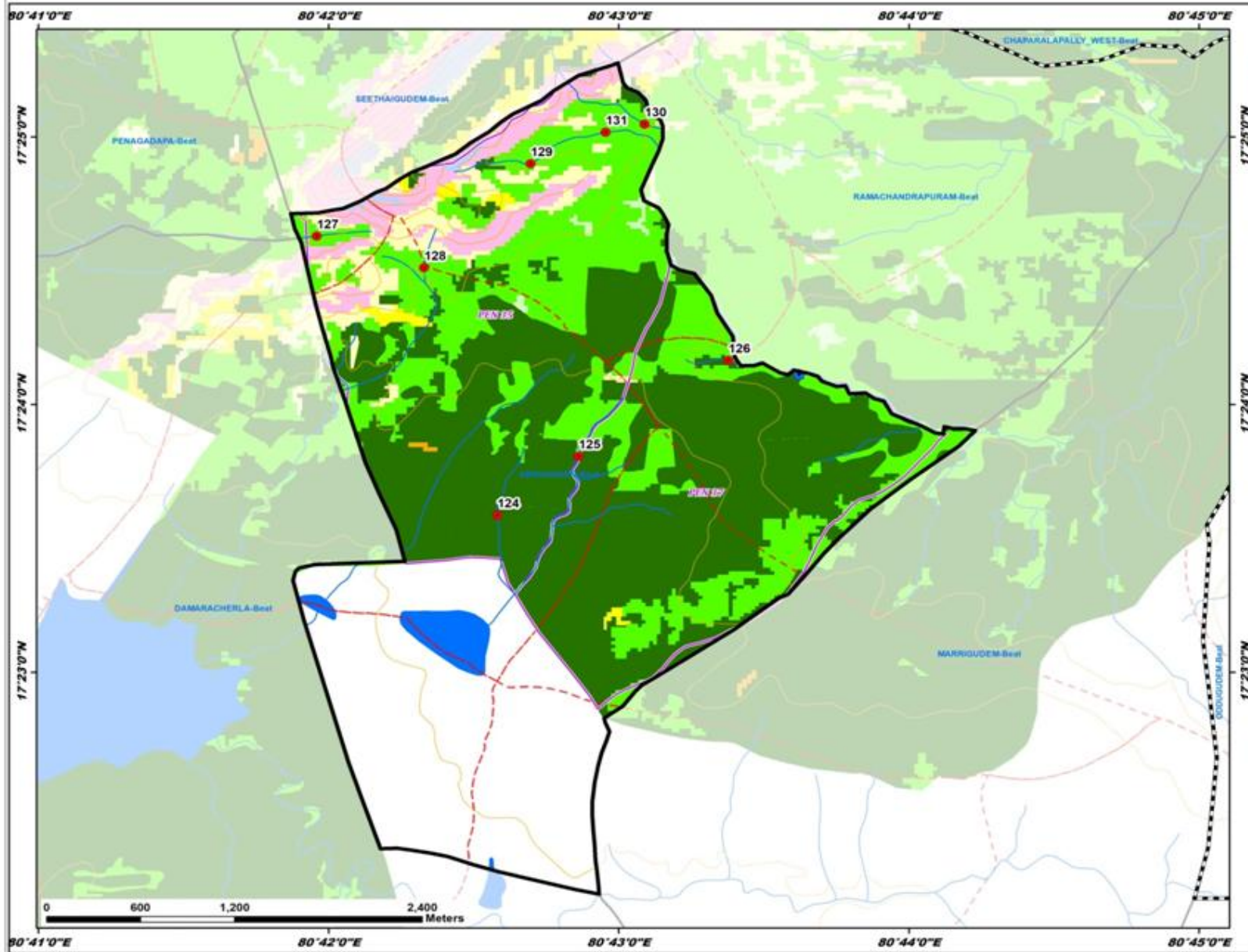
## List of Proposed PTs – Ramavaram Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
244	17.515071	80.680667	13.78	II	PENUBALLI
245	17.514567	80.682169	35.56	II	PENUBALLI
246	17.535049	80.683409	12.05	II	PENUBALLI
247	17.494754	80.670533	13.37	II	PENUBALLI
248	17.547435	80.672287	27.38	III	PENUBALLI
249	17.548245	80.688409	32.34	II	PENUBALLI
250	17.509120	80.653889	18.33	I	RAMAVARAM
251	17.507361	80.659414	11.91	I	RAMAVARAM
252	17.519814	80.656190	16.32	II	RAMAVARAM
253	17.491629	80.659574	69.29	III	RAMAVARAM
254	17.482441	80.641358	16.61	I	RUDRAMPUR
255	17.481752	80.642230	10.37	I	RUDRAMPUR
256	17.481365	80.643966	9.36	I	RUDRAMPUR
257	17.478156	80.630434	14.65	II	RUDRAMPUR
258	17.478410	80.627800	15.14	II	RUDRAMPUR
259	17.478182	80.633626	11.80	II	RUDRAMPUR

# Map Showing Suitability Index for Construction of SMC Works of Abbugudem Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
124	17.391123	80.709692	17.75	I
125	17.396790	80.714355	37.45	II
126	17.402759	80.722961	29.80	II
127	17.410494	80.699211	24.43	II
128	17.408528	80.705488	12.05	II
129	17.415007	80.711608	40.20	III
130	17.417472	80.718149	32.47	III
131	17.416908	80.715914	69.47	IV

**Legend**

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

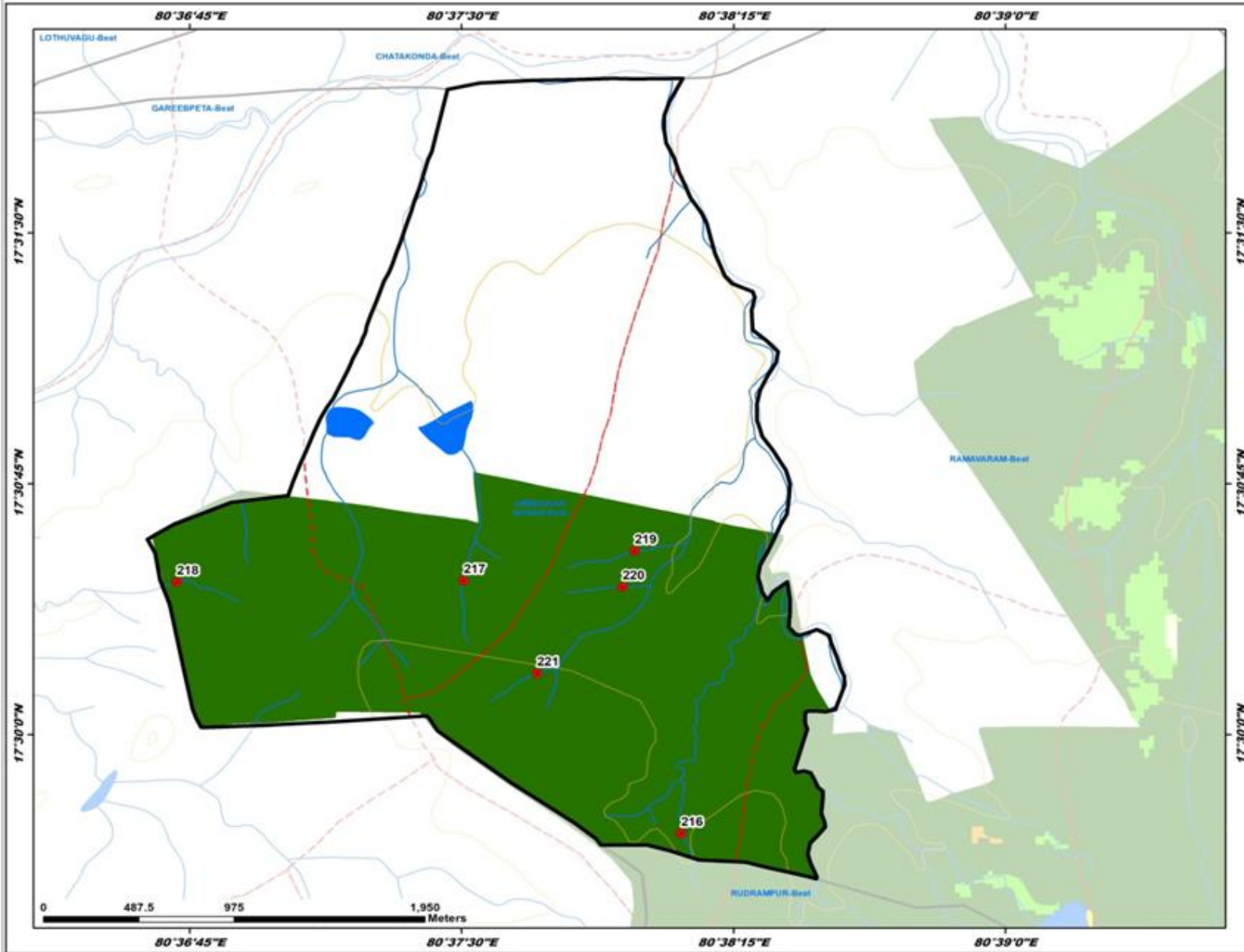
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Ambedkar Nagar Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
216	17.495082	80.635094	21.73	1
217	17.507679	80.625097	15.25	1
218	17.507604	80.611895	17.19	1
219	17.509149	80.632958	15.16	1
220	17.507358	80.632395	7.53	1
221	17.509259	80.628468	21.66	1

**Legend**

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

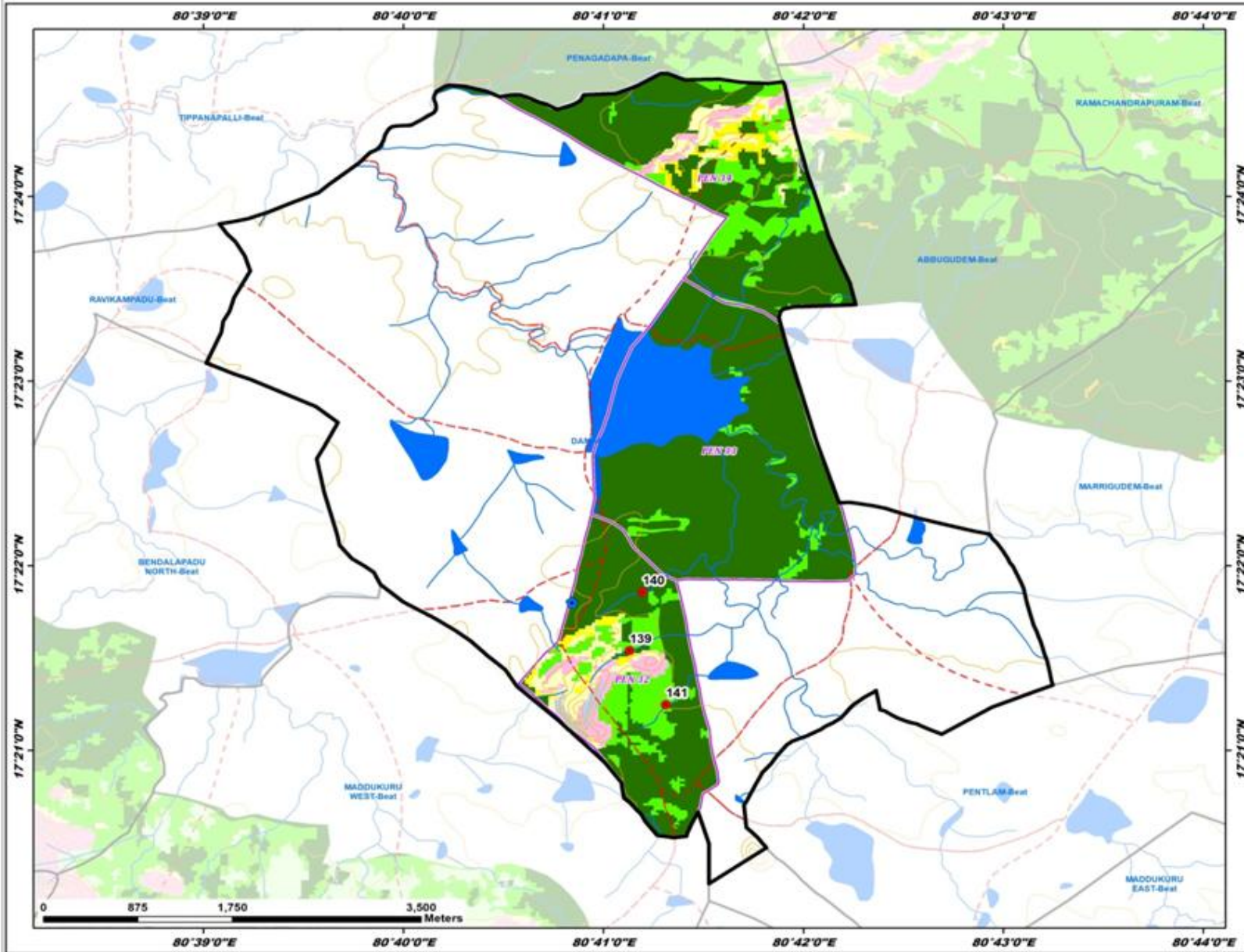
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Damaracherla Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
139	17.359002	80.685526	30.21	II
140	17.364273	80.686605	32.06	II
141	17.354131	80.688554	36.06	II

**Legend**

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

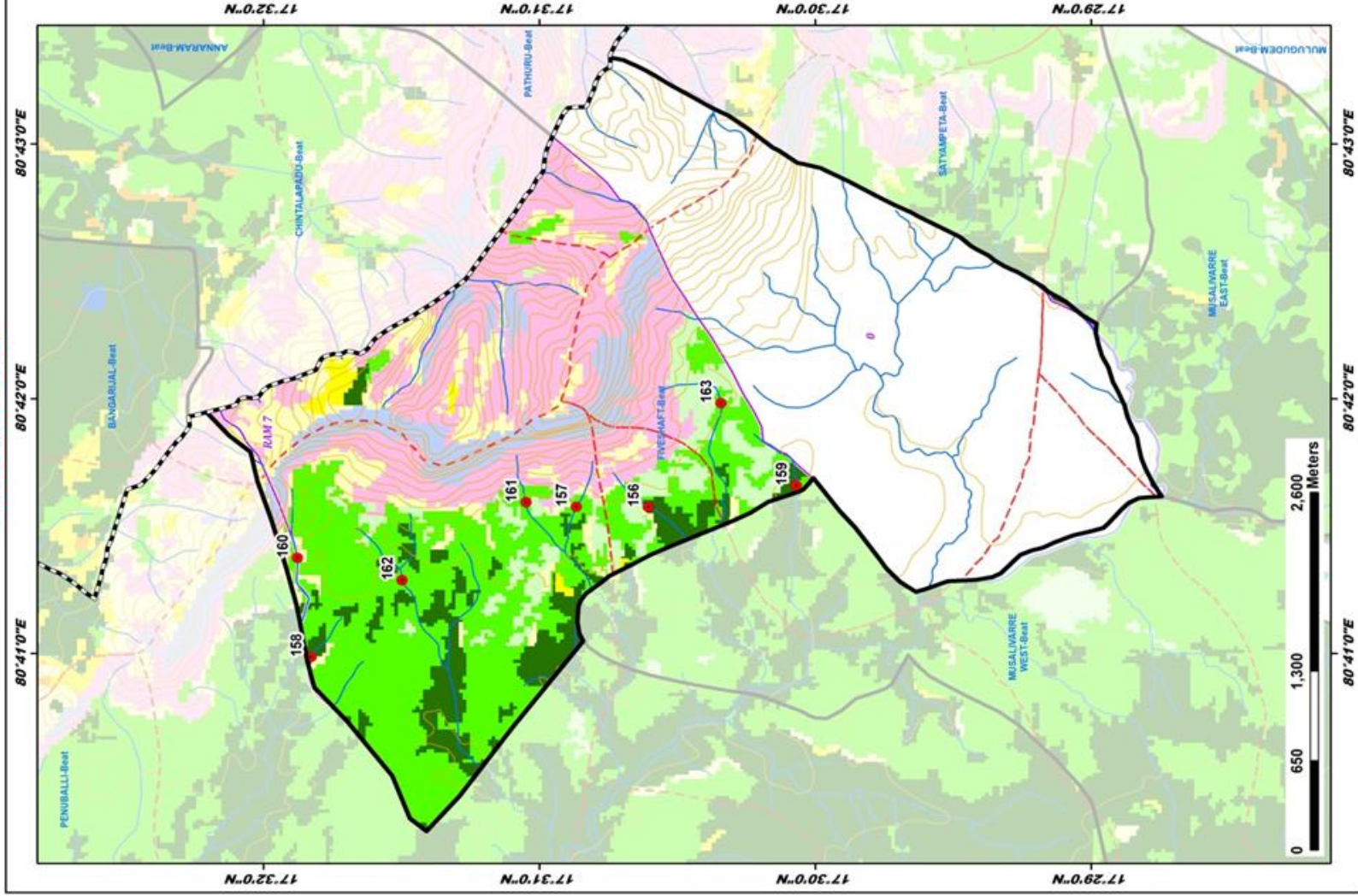
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Fiveshaft Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
156	17.510080	80.692940	18.27	I
157	17.514405	80.692949	18.52	II
158	17.500660	80.683129	26.14	II
159	17.501148	80.694354	25.75	II
160	17.513183	80.699021	20.36	II
161	17.517868	80.691242	29.84	III
162	17.524958	80.688145	94.61	IV
163	17.505698	80.699728	47.79	V

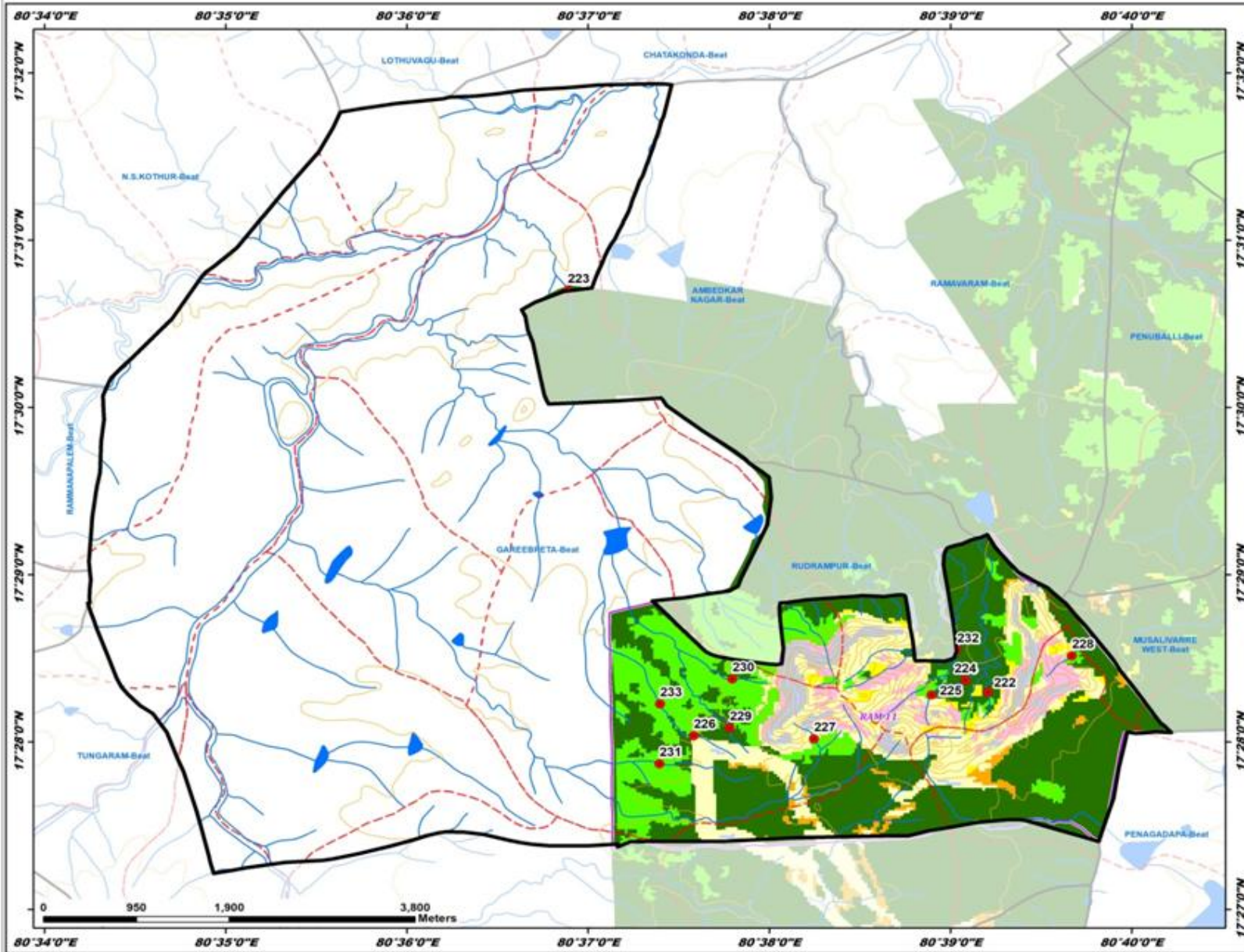
## LEGEND

- 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 SGP's - Suitable
  - Not Suitable
  - Water Body

# Map Showing Suitability Index for Construction of SMC Works of Gareebpeta Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
222	17.471639	80.653455	21.08	I
223	17.511672	80.614762	17.64	I
224	17.472825	80.651393	6.03	I
225	17.471357	80.648268	9.70	I
226	17.467303	80.626391	8.94	II
227	17.466990	80.637447	6.54	II
228	17.475276	80.661182	12.25	II
229	17.468068	80.629710	30.35	II
230	17.472955	80.629938	32.49	III
231	17.464496	80.623243	35.50	III
232	17.475845	80.650606	42.75	II
233	17.470480	80.623298	30.33	III

**Legend**

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

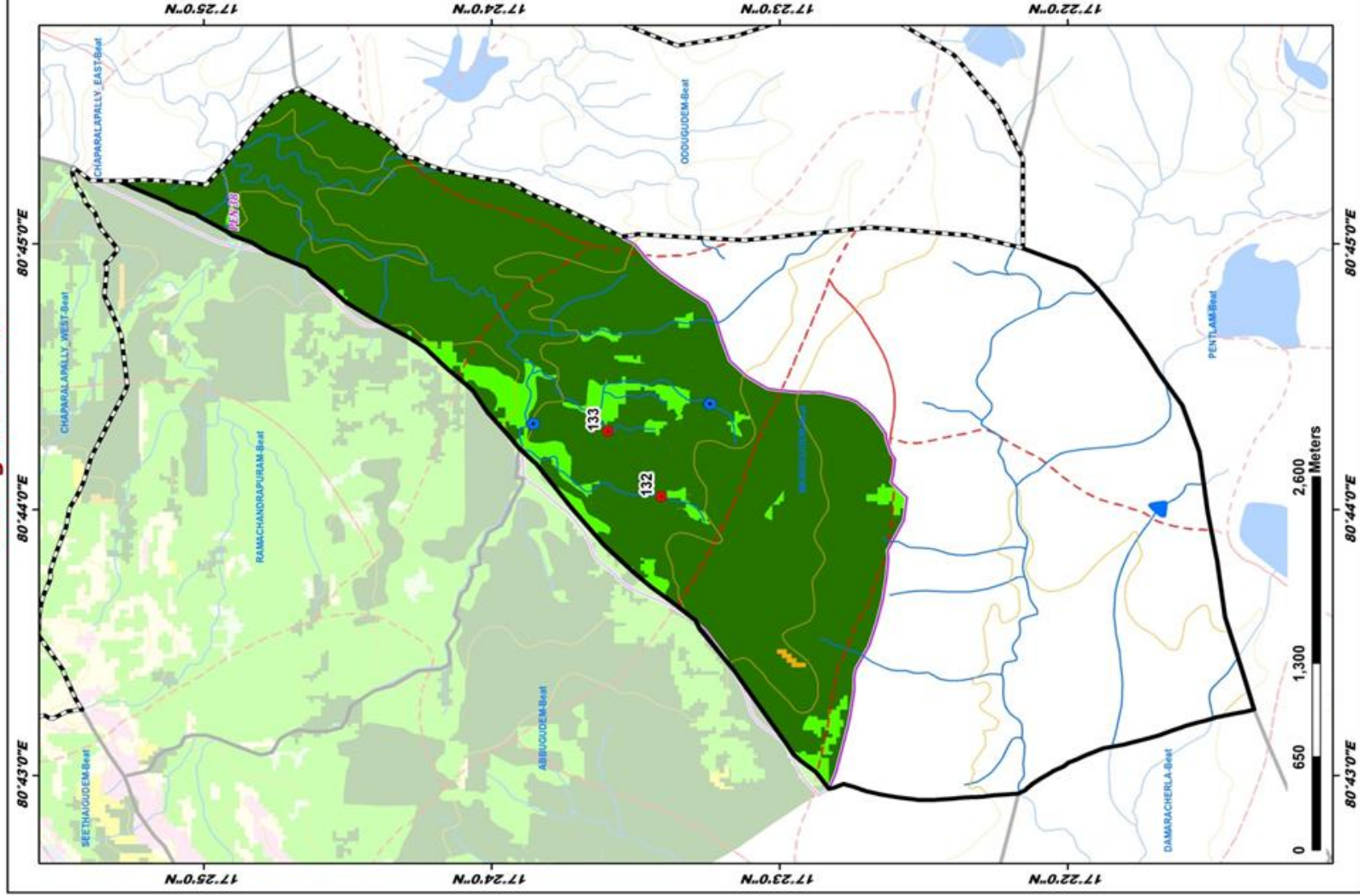
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Marrigudem Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
132	17.390173	80.794163	41.85	II
133	17.393256	80.798270	26.56	II

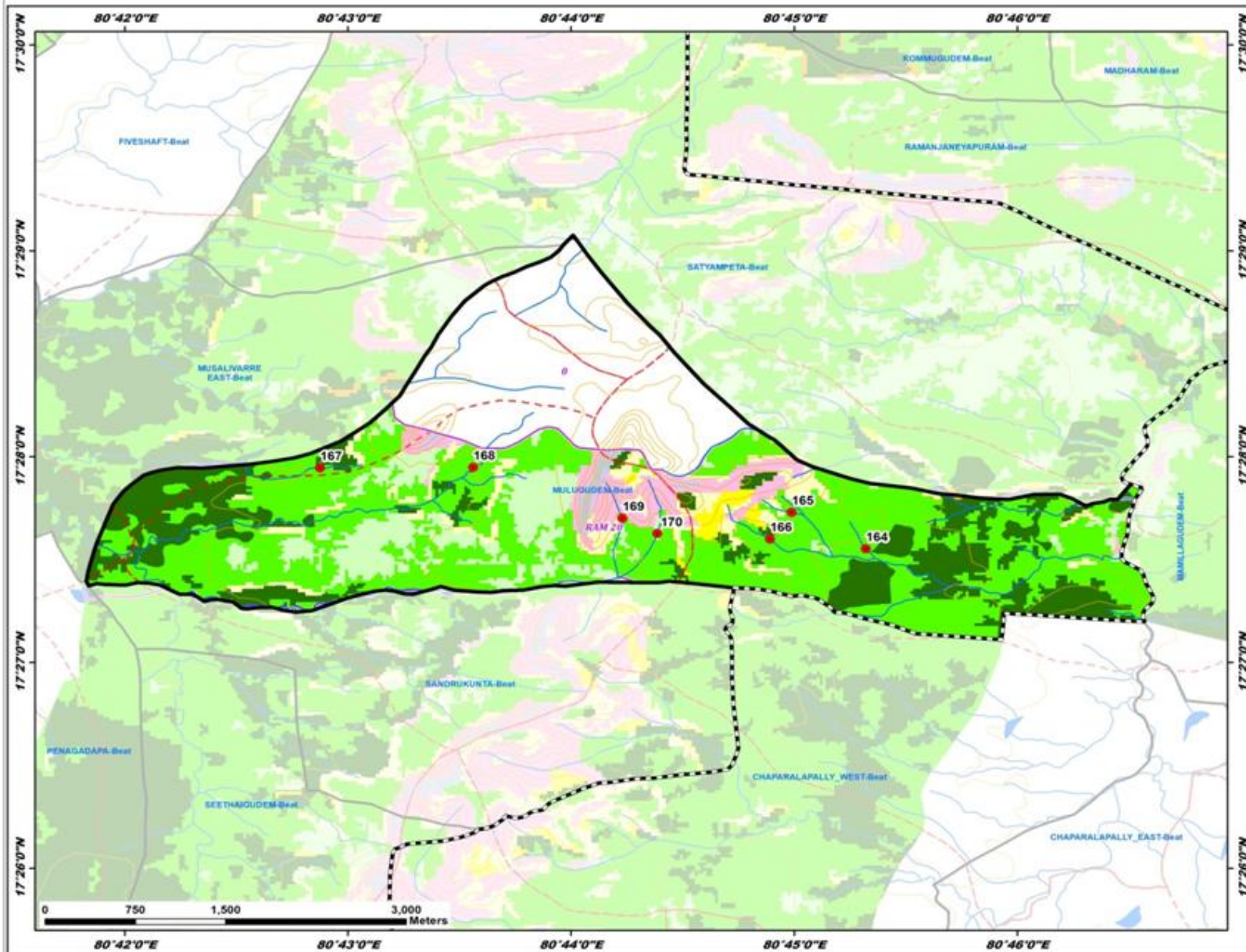
## LEGEND

- 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 SGP's - Suitable
- Not Suitable
- Water Body

# Map Showing Suitability Index for Construction of SMC Works of Mulugudem Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
164	17.459206	80.755571	6.78	II
165	17.462173	80.749628	5.44	II
166	17.460001	80.748198	27.58	III
167	17.465765	80.734584	26.26	III
168	17.465805	80.736040	64.14	IV
169	17.461692	80.737184	10.85	IV
170	17.460464	80.739785	18.14	IV

**Legend**

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

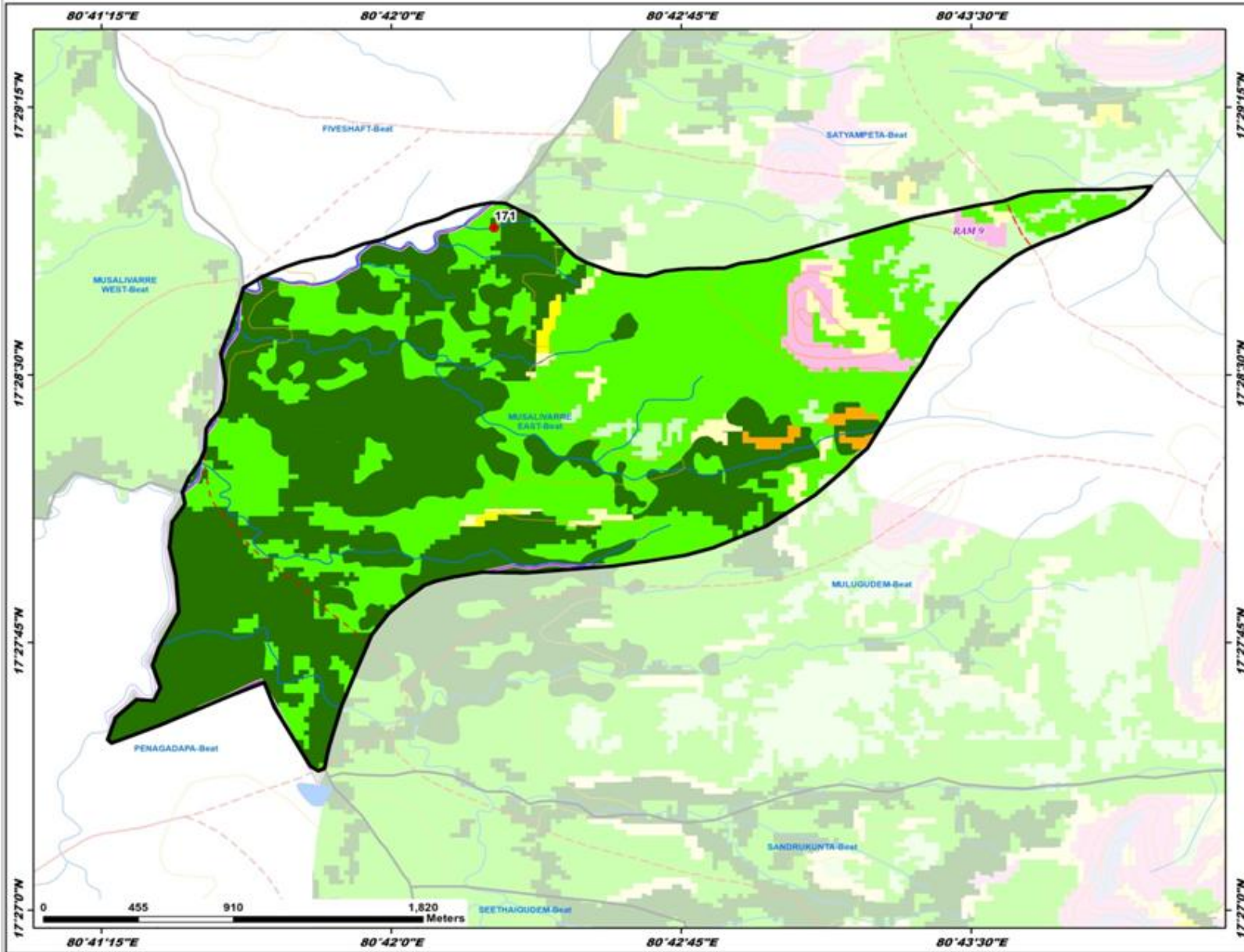
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Musalivarre East Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
171	17.481873	80.794437	30.01	II

**Legend**

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

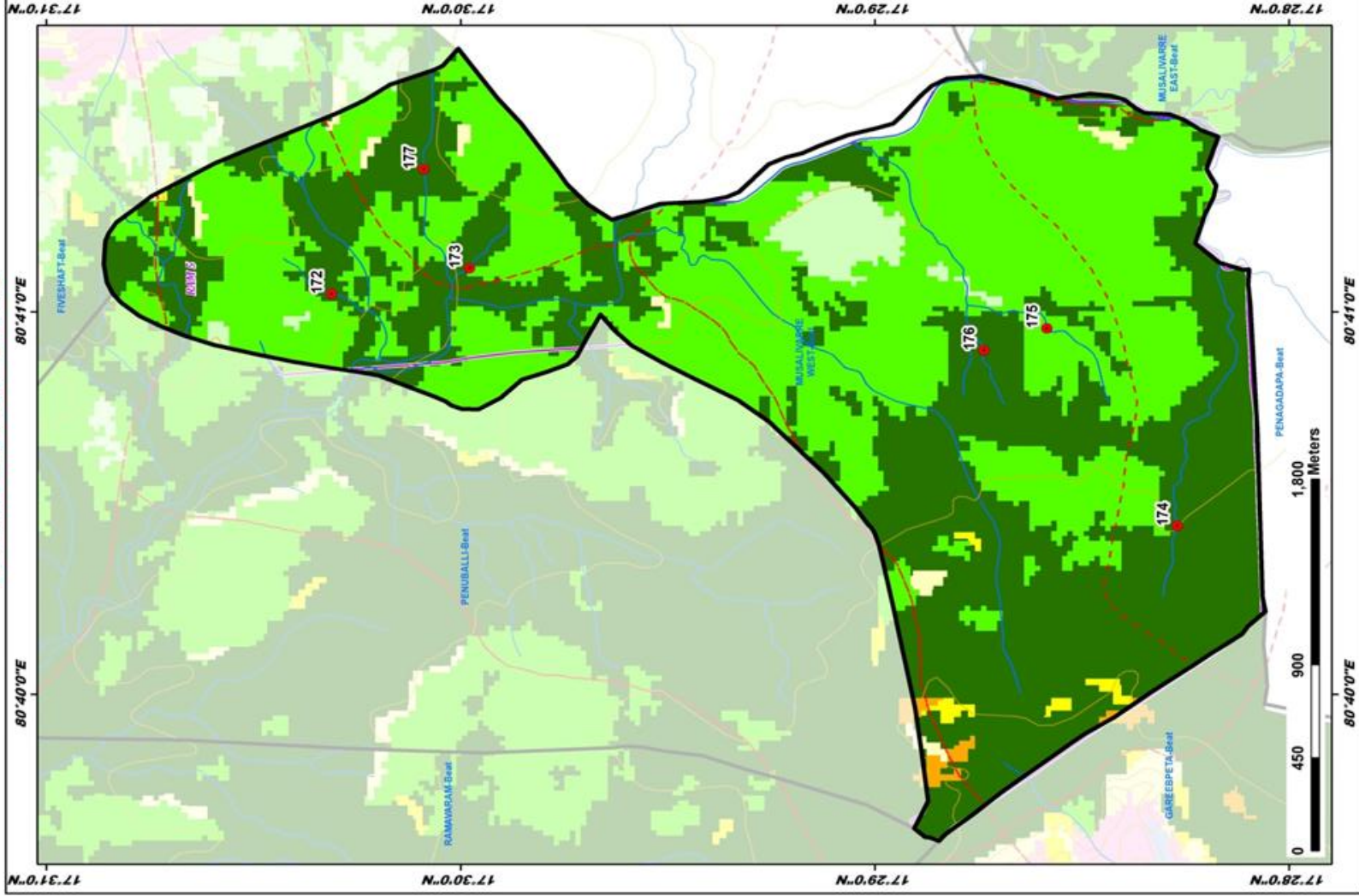
**Suitability Index**

- 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 Musalivarre West Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
172	17.505203	80.684137	13.36	I
173	17.499545	80.685267	15.61	II
174	17.471162	80.674034	25.47	III
175	17.476418	80.682044	45.72	III
176	17.478949	80.681676	61.23	III
177	17.501482	80.689575	59.89	III

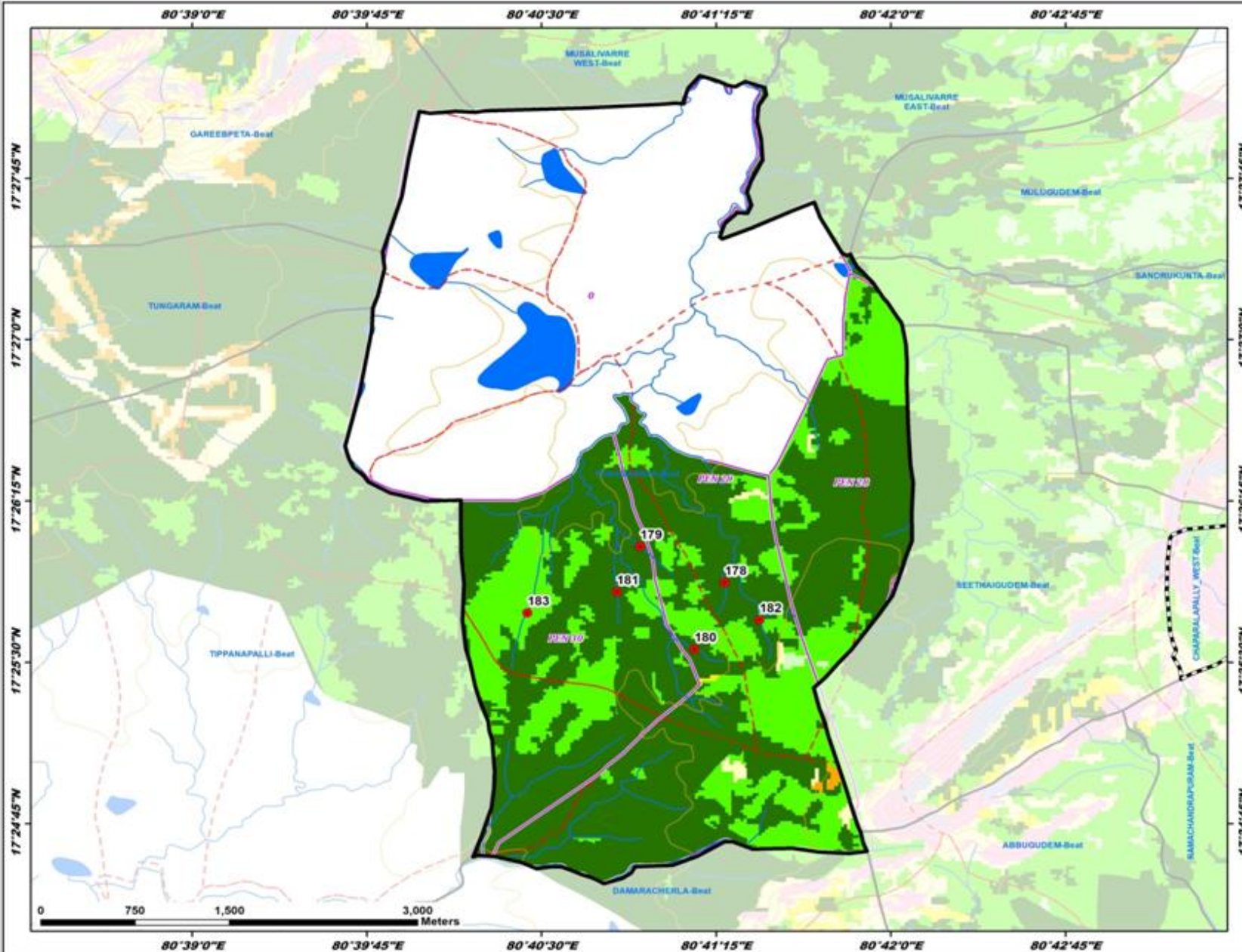
## LEGEND

- 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 SGP's - Suitable
  - Not Suitable
  - Water Body

# Map Showing Suitability Index for Construction of SMC Works of Penagadapa Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
178	17.431171	80.688132	13.23	I
179	17.433978	80.682069	12.11	I
180	17.426020	80.685946	12.89	I
181	17.430454	80.680397	29.79	II
182	17.428282	80.690620	63.10	IV
183	17.428843	80.674007	72.62	IV

**Legend**

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

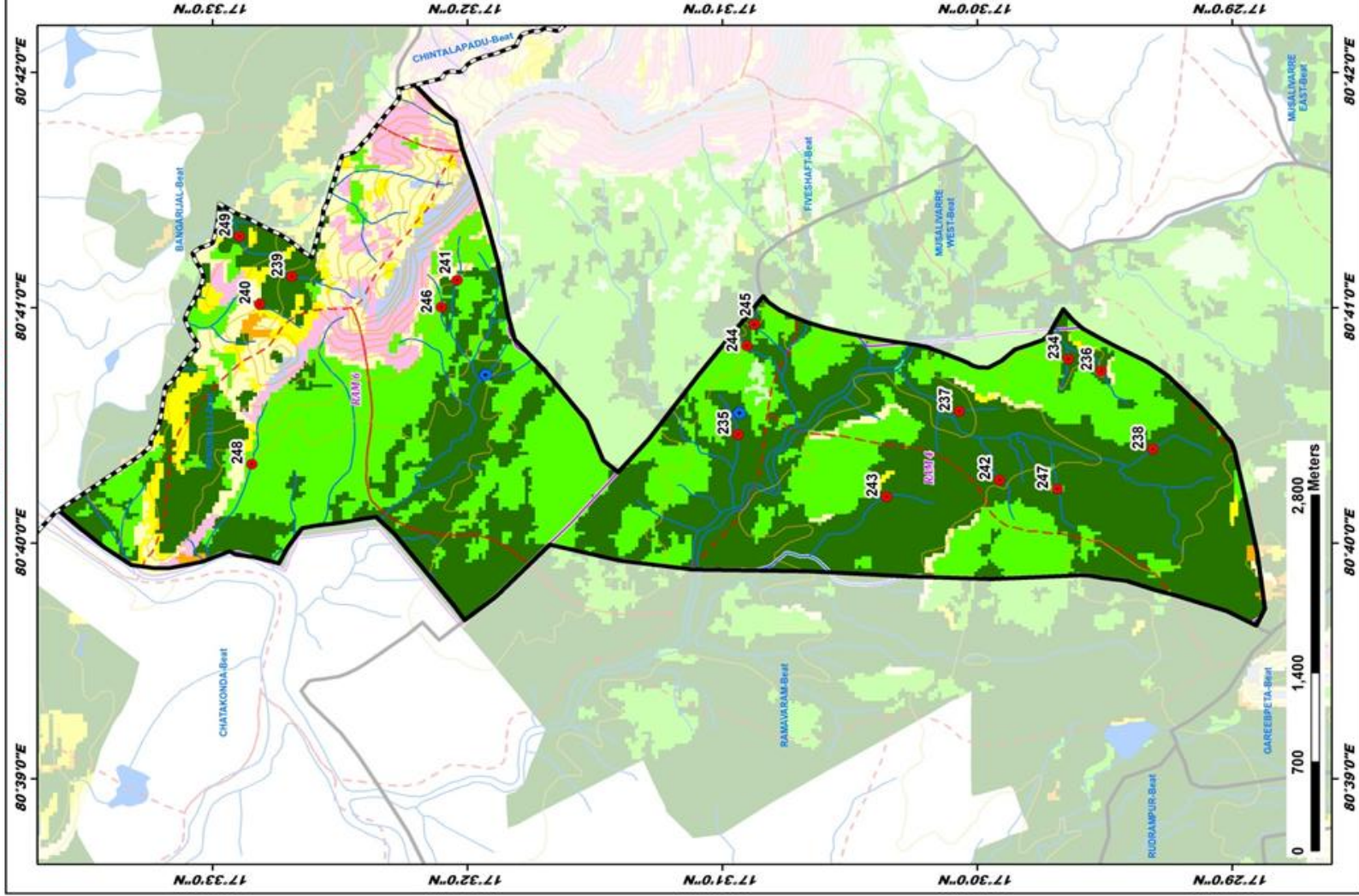
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Penuballi Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
234	17.490651	86.679712	12.61	I
235	17.515649	86.674363	22.37	I
236	17.491880	86.678889	15.75	I
237	17.501168	86.676023	15.20	I
238	17.486514	86.673341	21.63	I
239	17.544816	86.685562	18.81	I
240	17.546912	86.683617	15.84	I
241	17.534022	86.683315	17.42	I
242	17.498530	86.671152	14.70	I
243	17.509020	86.669979	30.78	II
244	17.515071	86.680607	13.78	II
245	17.514567	86.682169	35.56	II
246	17.513049	86.684009	12.05	II
247	17.491754	86.670533	13.17	II
248	17.547435	86.672287	27.38	III
249	17.548245	86.688409	32.34	III

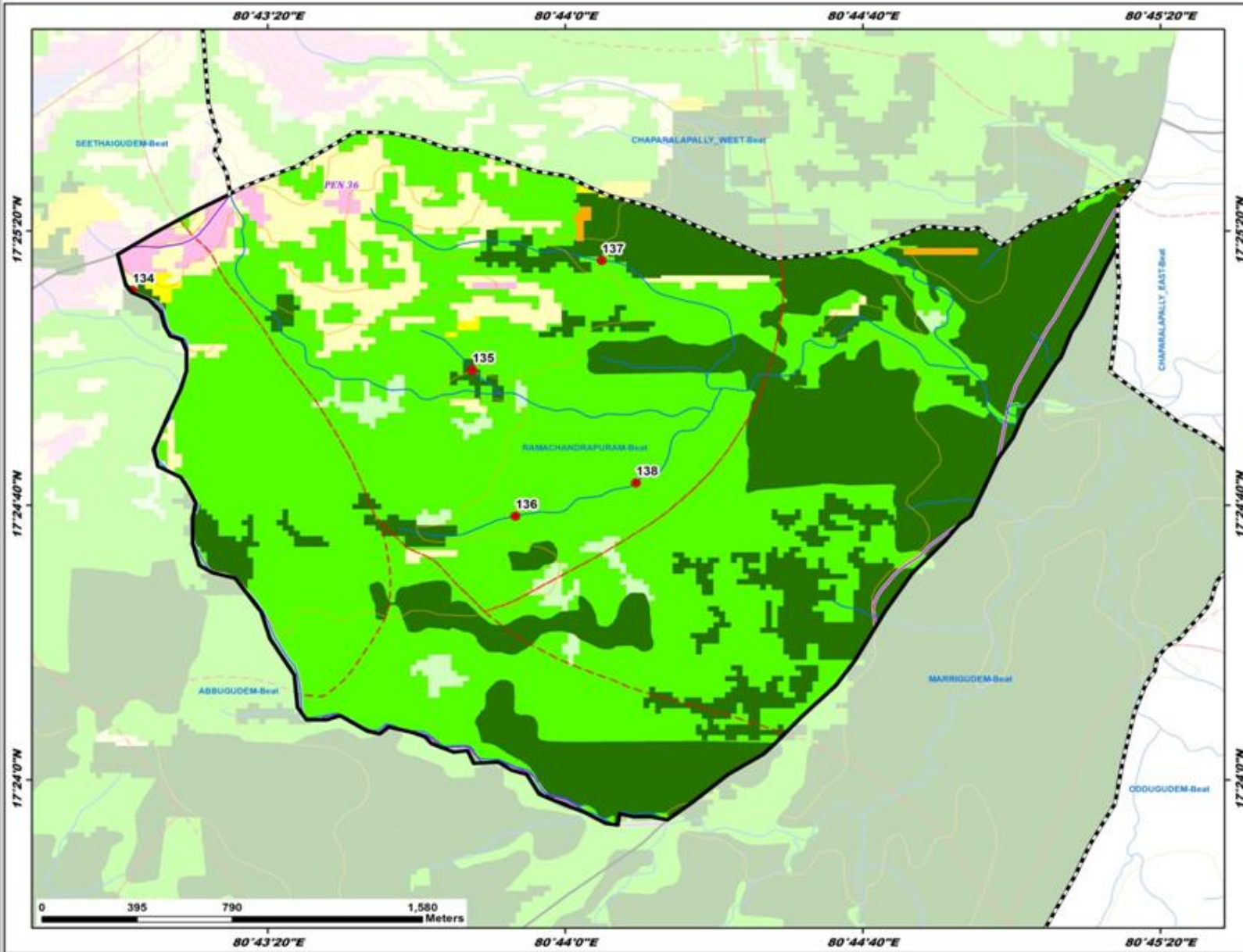
## LEGEND

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

# Map Showing Suitability Index for Construction of SMC Works of Ramachandrapuram Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
134	17.419020	80.717168	22.16	I
135	17.416599	80.729861	12.54	I
136	17.410678	80.731472	67.36	IV
137	17.421020	80.734704	57.95	IV
138	17.412020	80.735979	98.96	IV

**Legend**

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

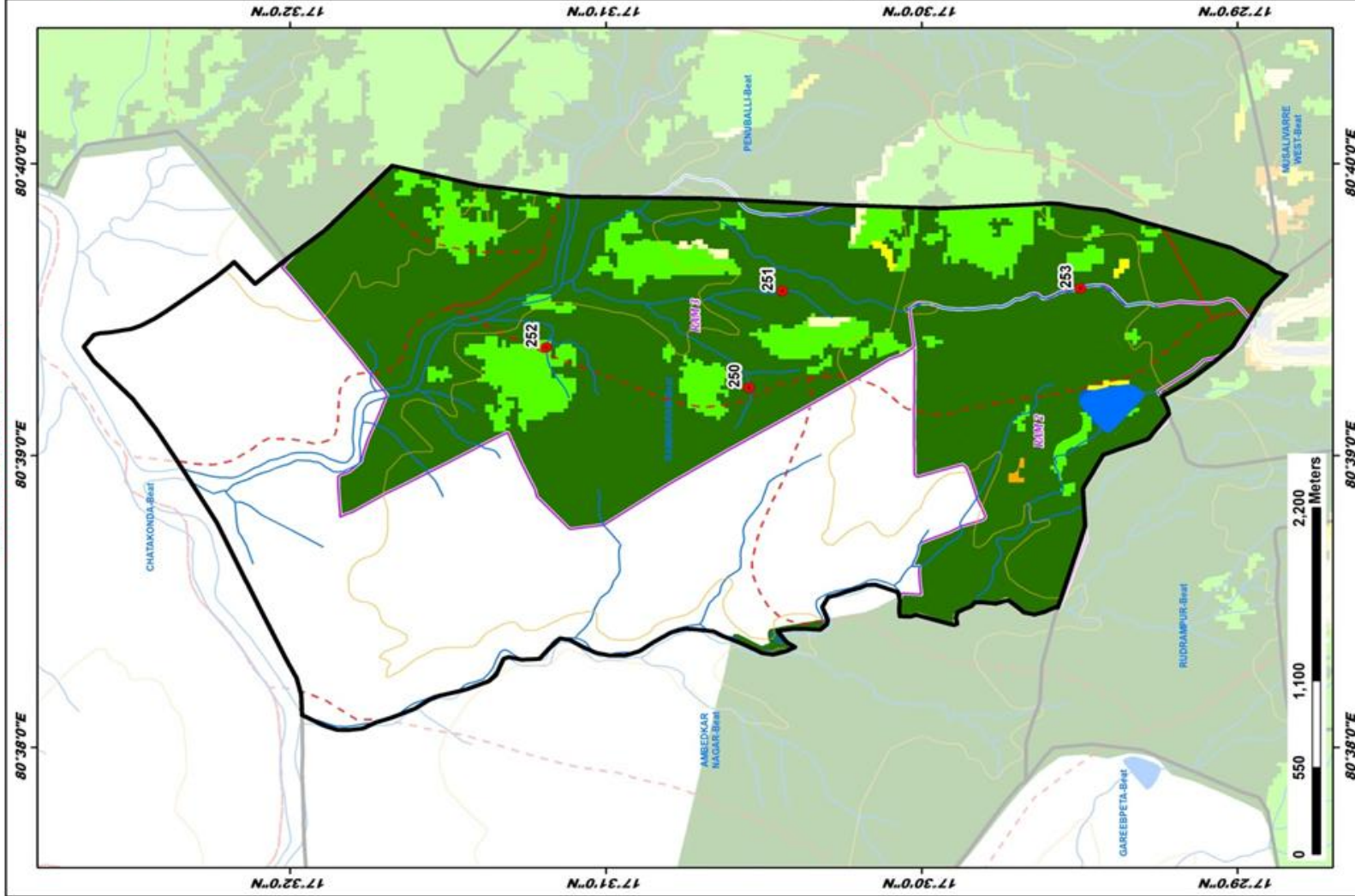
**Suitability Index**

- 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 Ramavaram Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
250	17.509120	80.653889	18.33	I
251	17.507951	80.659414	11.91	I
252	17.519814	80.656190	16.32	II
253	17.491629	80.659574	69.29	III

**LEGEND**

- Proposed PTs (Red dot)
- Existing CD/PTs (Blue dot)
- Contours (Brown line)
- Streams (Blue line)
- Watershed Boundary (Red dashed line)
- Compartment Boundary (Purple dashed line)
- Beat Boundary (Black solid line)
- Division Boundary (Black dashed line)

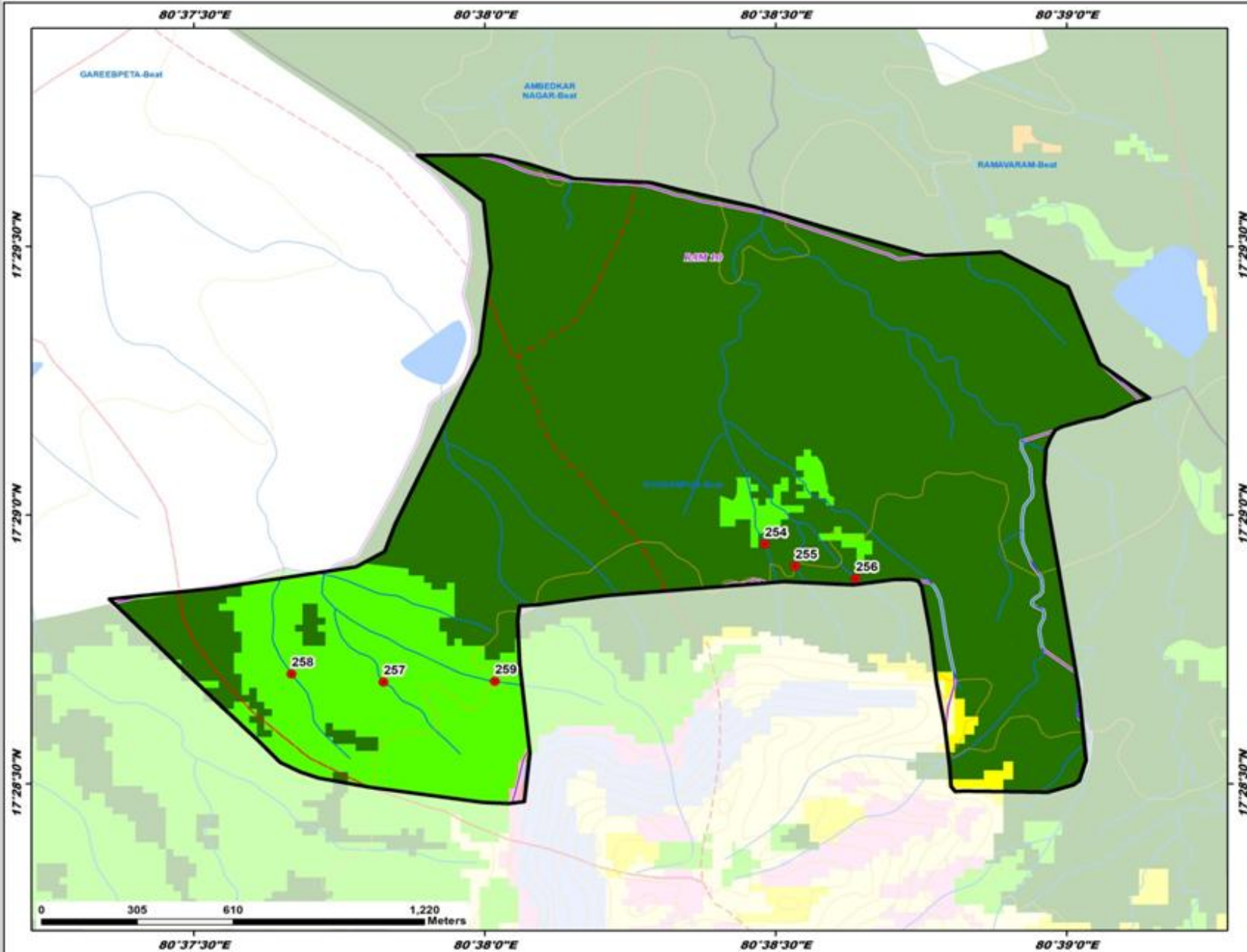
**Suitability Index**

- CCTs/SCTs - Highly Suitable (Dark Green)
- CCTs/SCTs - Moderately Suitable (Light Green)
- CCTs/SCTs - Least Suitable (Yellow)
- PTs - Highly Suitable (Dark Green)
- PTs - Moderately Suitable (Light Green)
- PTs - Least Suitable (Yellow)
- MPTs and SGP's - Suitable (Pink)
- Not Suitable (Light Blue)
- Water Body (Blue)

# Map Showing Suitability Index for Construction of SMC Works of Rudrampur Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
254	17.482441	80.641358	16.61	I
255	17.481752	80.642230	10.97	I
256	17.481365	80.643966	9.36	I
257	17.478156	80.630434	14.65	II
258	17.478410	80.627800	15.14	II
259	17.478182	80.633626	11.80	II

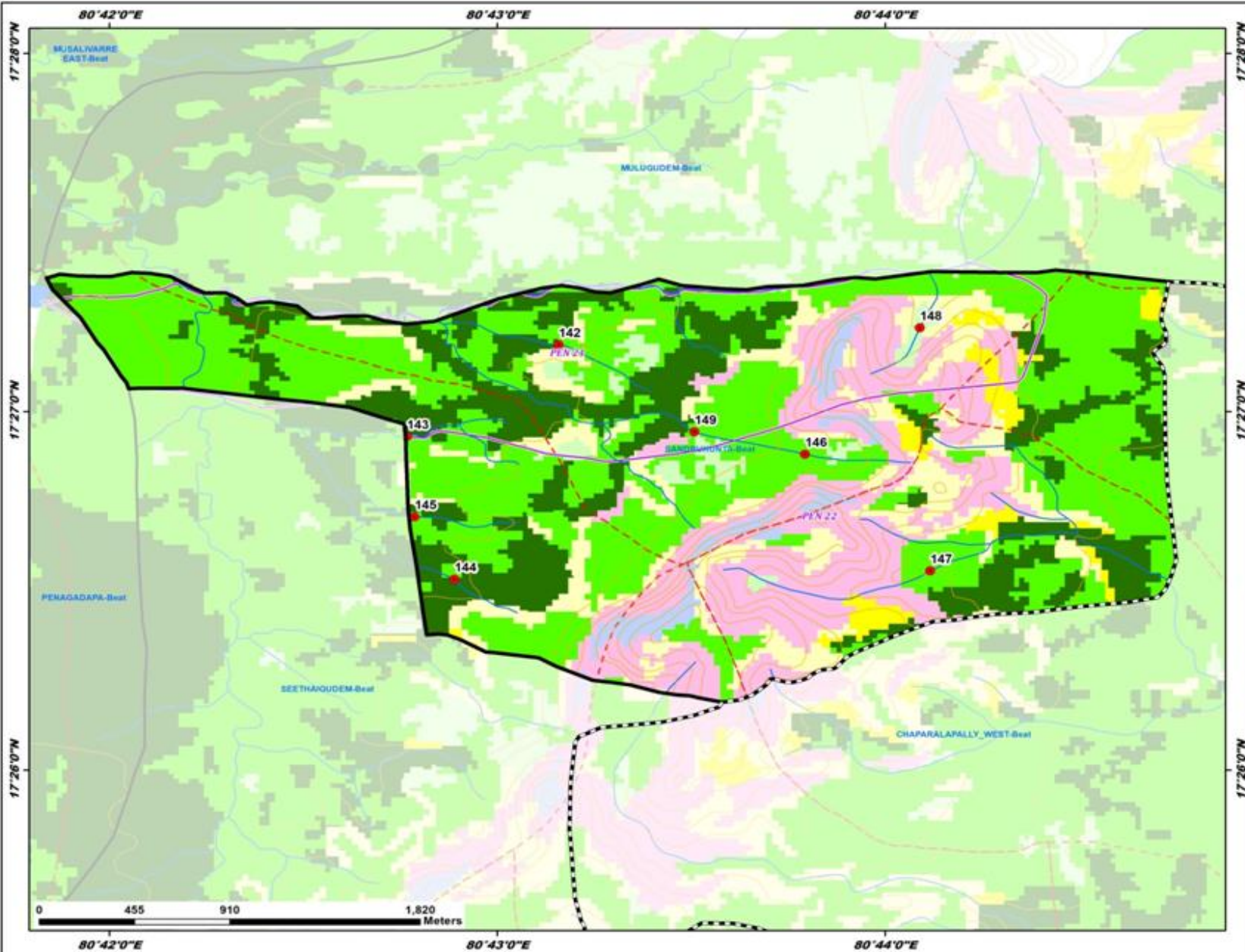
## Legend

- 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 Sandrukunta Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
142	17.453121	80.728296	12.97	II
143	17.448850	80.712762	47.82	II
144	17.442213	80.734822	43.03	II
145	17.445109	80.731117	28.59	III
146	17.448032	80.729893	25.42	III
147	17.442603	80.735265	52.28	IV
148	17.453914	80.734828	19.85	IV
149	17.449067	80.725135	42.02	III

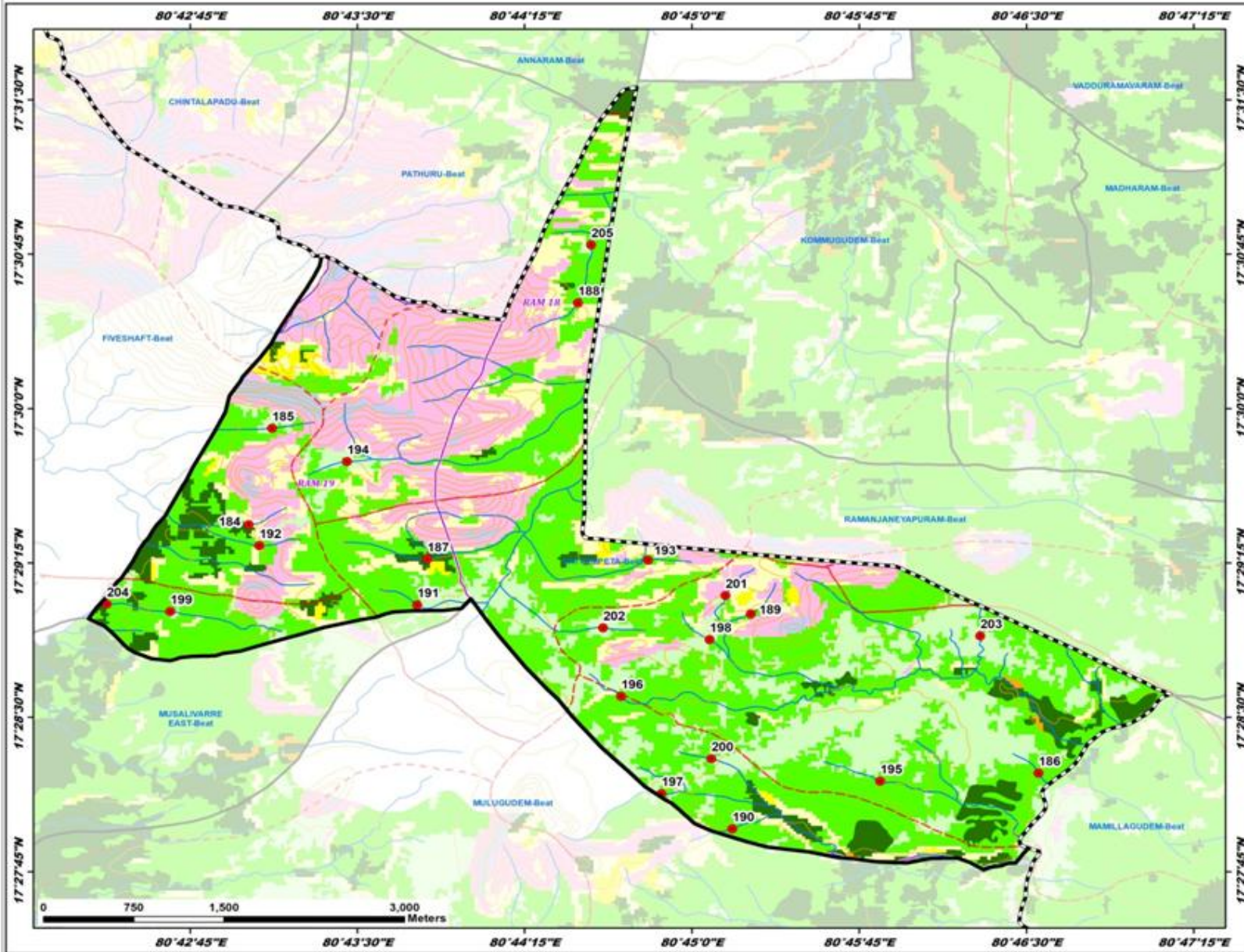
## Legend

- 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 Satyampeta Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
184	17.490615	80.716878	15.82	I
185	17.488419	80.718632	22.51	II
186	17.470486	80.775914	18.12	II
187	17.487823	80.780252	45.02	II
188	17.508572	80.741487	22.95	II
189	17.483392	80.754427	12.91	II
190	17.465991	80.753039	10.07	II
191	17.484116	80.729481	11.47	II
192	17.468905	80.717680	22.06	II
193	17.487740	80.746730	24.87	II
194	17.495723	80.724228	28.70	III
195	17.469832	80.766077	48.25	III
196	17.476714	80.744710	35.64	III
197	17.468834	80.747732	59.62	IV
198	17.481300	80.751322	16.22	IV
199	17.483588	80.711052	84.82	IV
200	17.471661	80.751467	8.18	IV
201	17.484872	80.752523	12.60	IV
202	17.482259	80.748363	21.96	IV
203	17.481606	80.771558	32.16	V
204	17.484168	80.706263	99.45	IV
205	17.513253	80.742486	56.33	IV

**Legend**

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

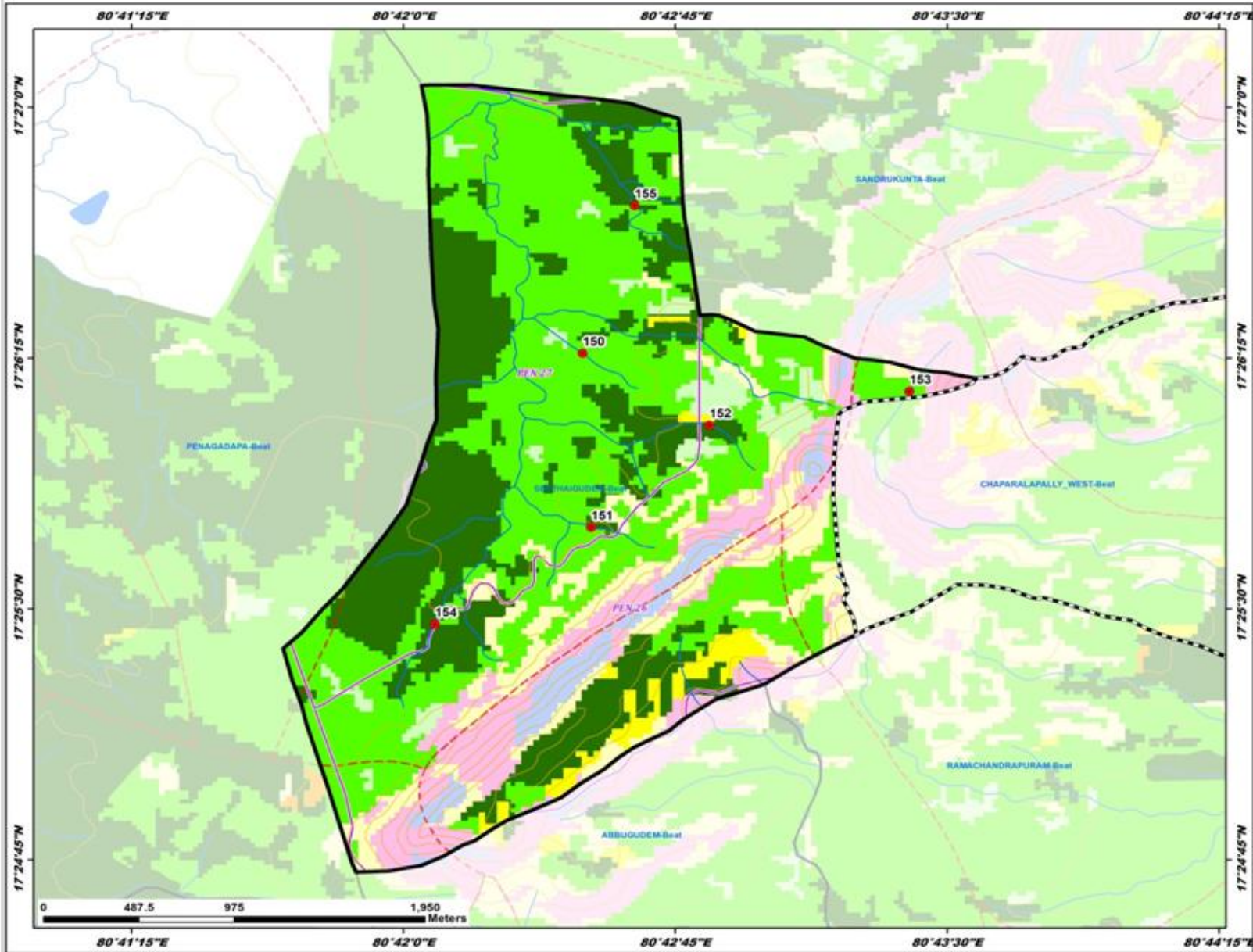
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Seethaigudem Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
150	17.437745	80.708242	14.97	II
151	17.429064	80.708637	26.30	II
152	17.434157	80.714067	43.53	II
153	17.435847	80.723270	14.09	II
154	17.424242	80.701453	59.74	III
155	17.445300	80.730633	64.87	III

**Legend**

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

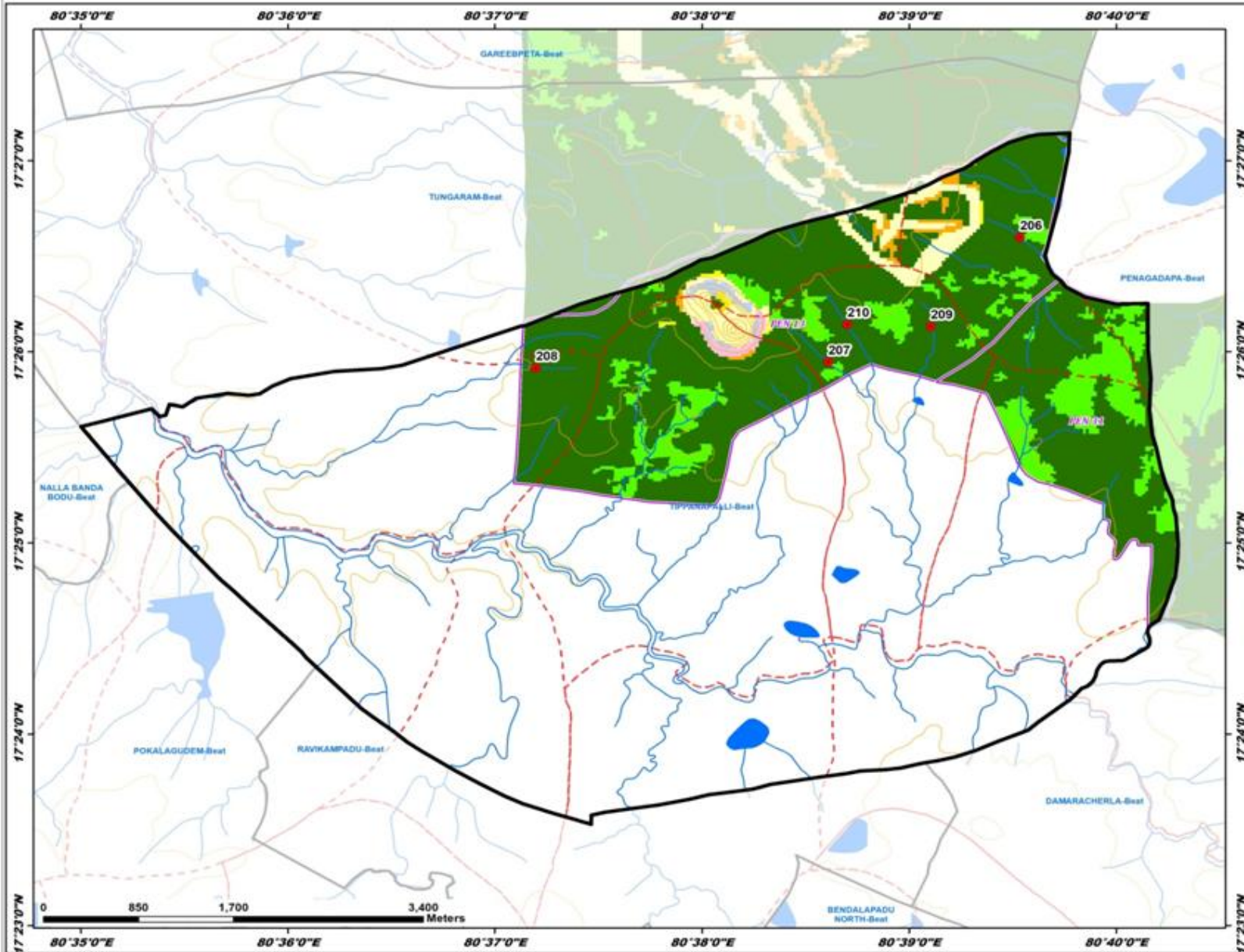
**Suitability Index**

- 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 Tippanapalli Beat



Division : Kothagudem  
Range : Ramavaram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
206	17.443312	80.658942	22.46	I
207	17.432444	80.643504	24.05	I
208	17.431928	80.619972	19.54	I
209	17.435565	80.651754	34.52	II
210	17.435739	80.645035	45.13	II

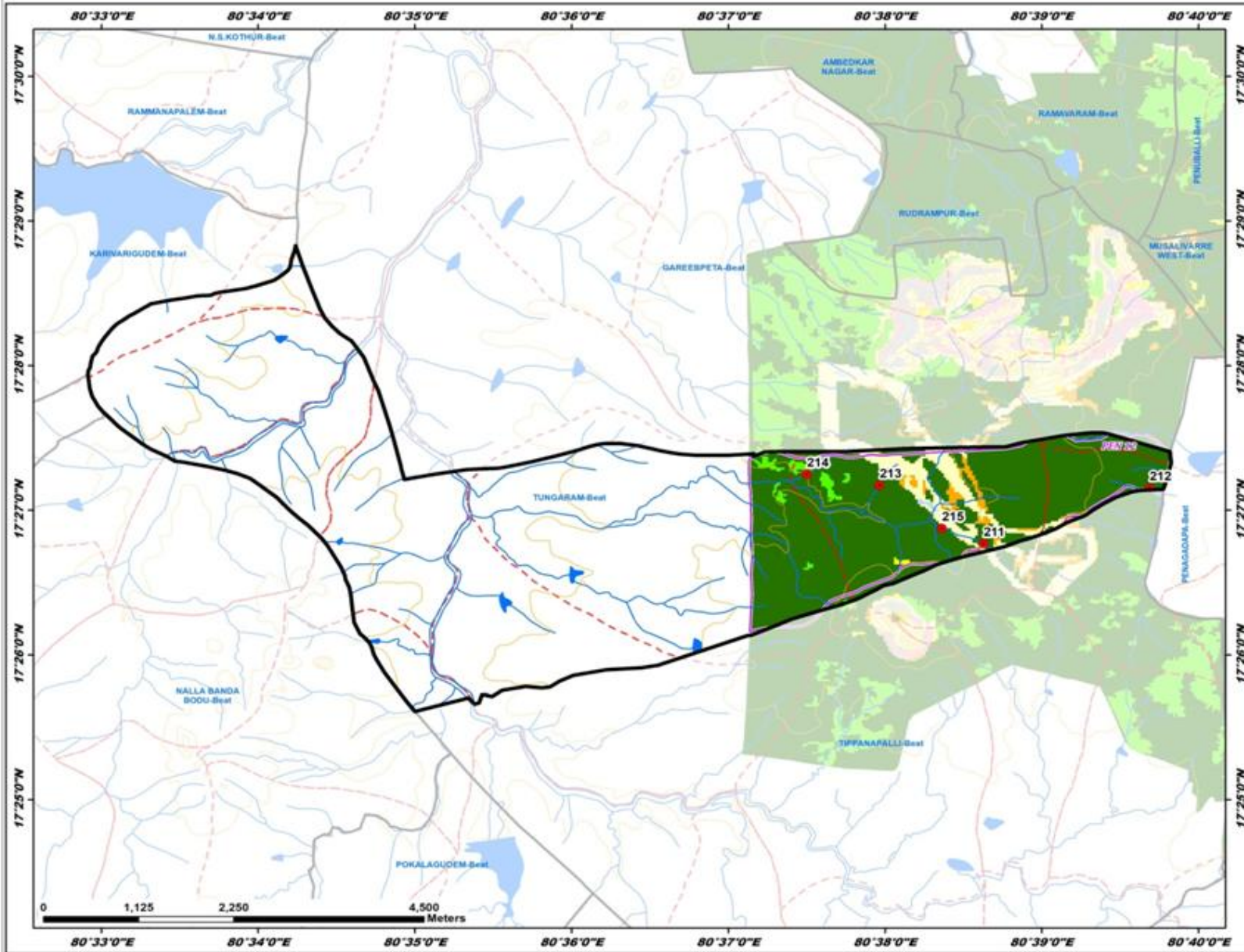
**Legend**

- 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 SGP's - Suitable
- Not Suitable
- Water Body

# Map Showing Suitability Index for Construction of SMC Works of Tungaram Beat



Division : Kothagudem  
Range : Ramavaram

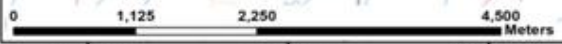
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
211	17.446156	80.643828	8.57	I
212	17.452566	80.663486	6.60	I
213	17.452871	80.632788	33.18	II
214	17.454139	80.625025	32.46	II
215	17.447917	80.639402	33.66	II

**Legend**

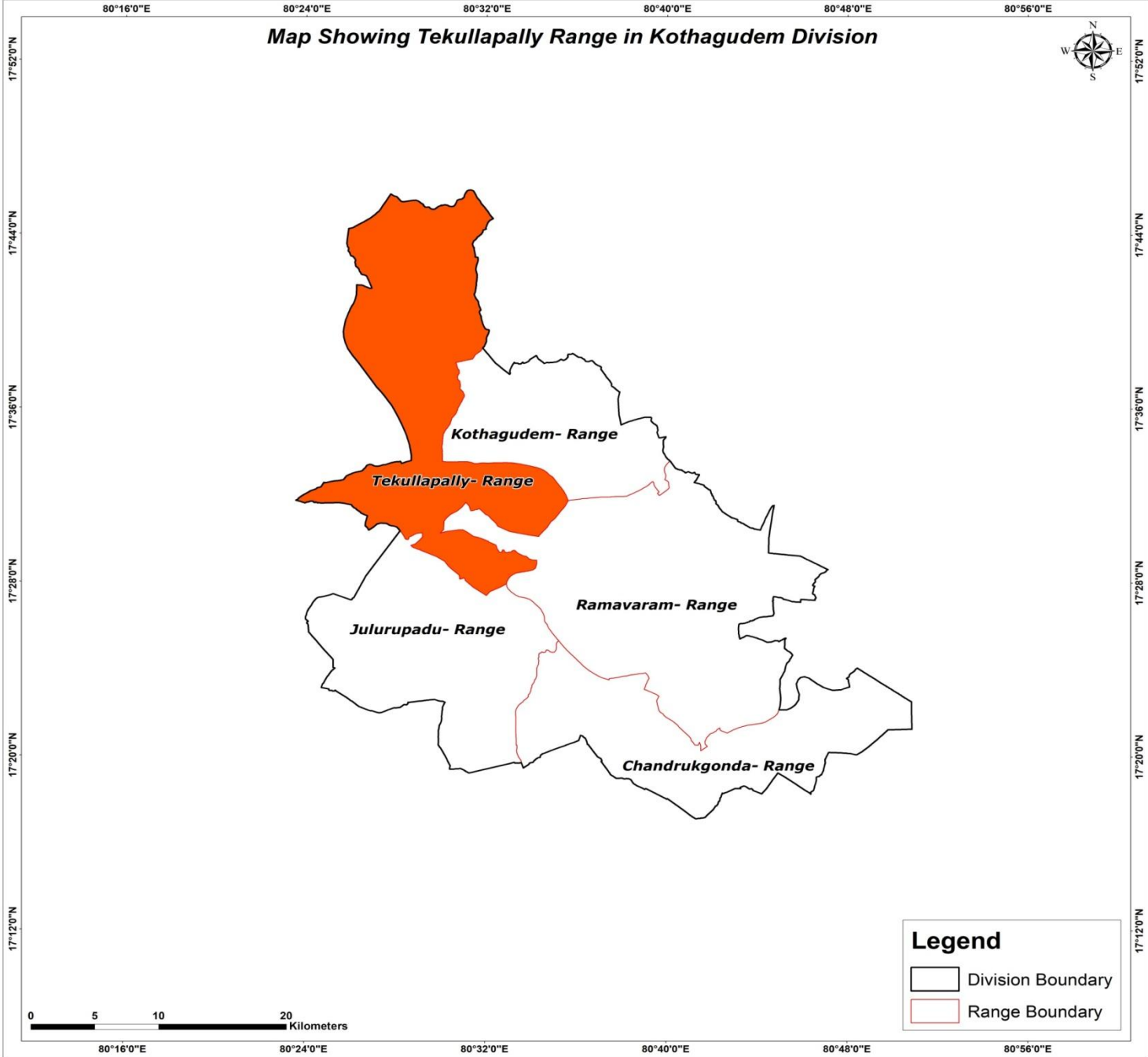
- Proposed PTs
- ⬮ Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

**Suitability Index**

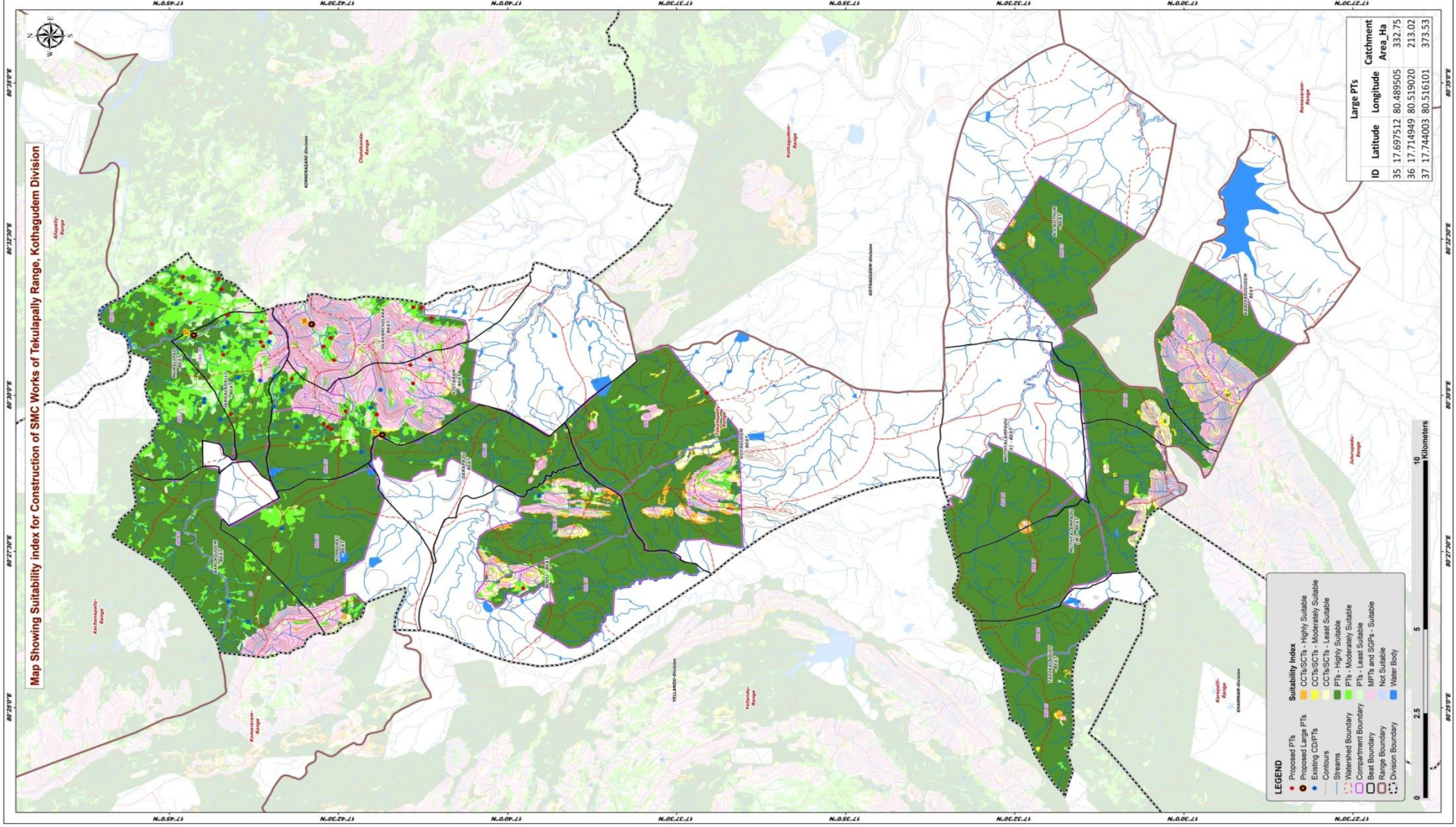
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Tekullapally Range in Kothagudem Division



Map Showing Suitability Index for Construction of SMC Works of Tekulapally Range, Kothagudem Division



- LEGEND**
- Proposed PTs
  - Existing CDPTs
  - Contours
  - Streams
  - Compartment Boundary
  - Range Boundary
  - Division Boundary
- Suitability Index**
- CC/LSCTs - Highly Suitable
  - CC/LSCTs - Moderately Suitable
  - CC/LSCTs - Least Suitable
  - PTs - Highly Suitable
  - PTs - Moderately Suitable
  - PTs - Least Suitable
  - MPs and SGP's - Suitable
  - MPs and SGP's - Not Suitable
  - Water Body



Large PTs		
ID	Latitude	Longitude
35	17.697512	80.489505
36	17.749497	80.519020
37	17.744003	80.516101

Catchment	
Area Ha	Area Ha
332.75	332.75
215.02	215.02
373.53	373.53



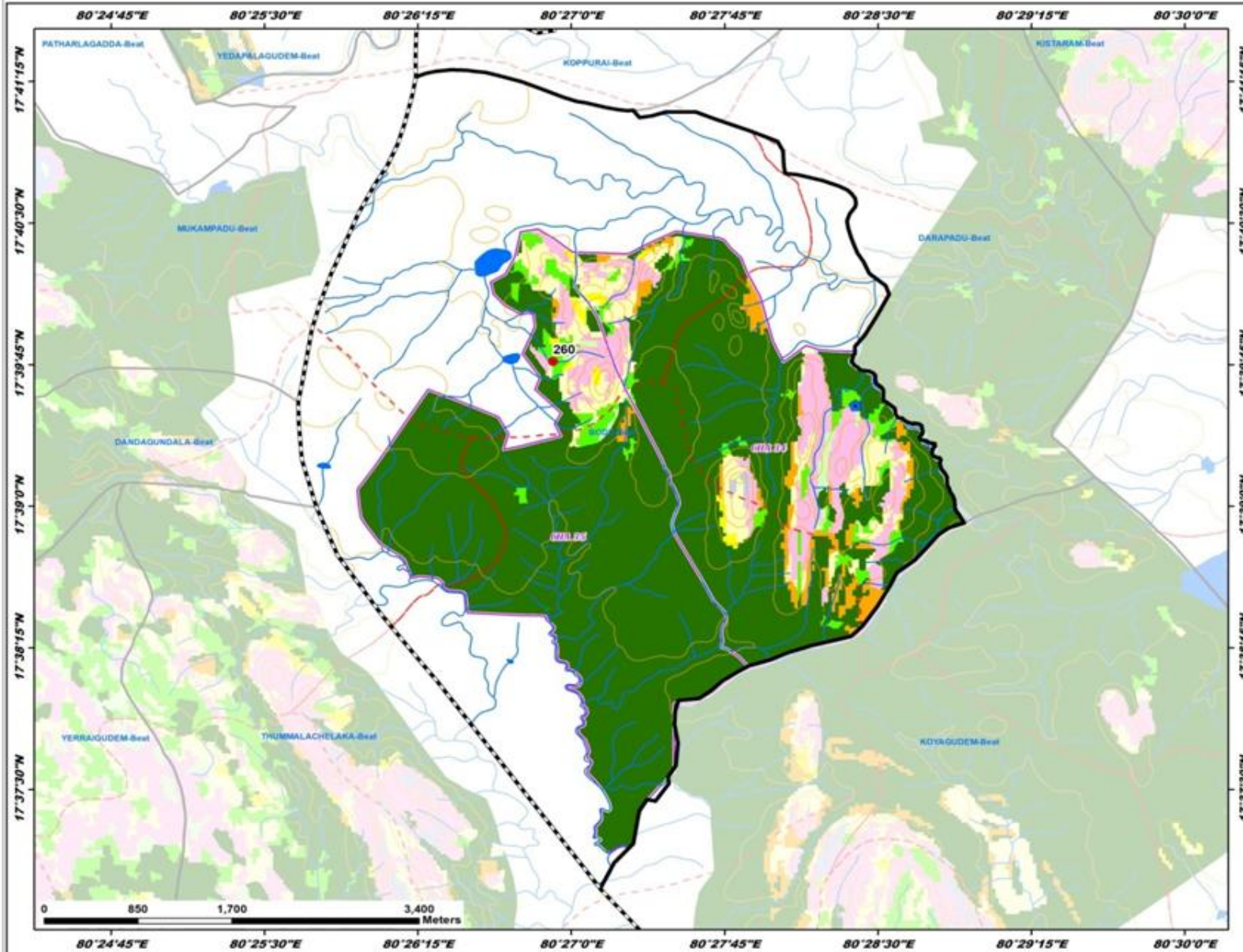
## Beat wise Abstract of Proposed PT's – Tekulapally Range

S. No.	Beat	Proposed PT's
1	BODU	1
2	JANGALAPALLI	7
3	KISTARAM	9
4	KOYAGUDEM	1
5	MURALIPAD	7
6	ULAVANCHILAKA	6
	<b>Total</b>	<b>31</b>

## List of Proposed PTs – Tekulapally Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
260	17.662801	80.448534	16.73	II	BODU
261	17.710019	80.491015	5.88	I	KISTARAM
262	17.710949	80.491667	5.87	I	KISTARAM
263	17.711965	80.492457	5.49	I	KISTARAM
264	17.719829	80.504447	11.28	II	KISTARAM
265	17.698873	80.494902	17.40	II	KISTARAM
266	17.706555	80.495787	33.28	III	KISTARAM
267	17.690617	80.508137	23.06	IV	KISTARAM
268	17.685799	80.509588	14.97	IV	KISTARAM
269	17.689959	80.503211	32.58	V	KISTARAM
270	17.687872	80.523482	13.60	I	ULAVANCHILAKA
271	17.685421	80.520702	30.96	II	ULAVANCHILAKA
272	17.710280	80.515331	8.04	II	ULAVANCHILAKA
273	17.709472	80.509452	35.59	III	ULAVANCHILAKA
274	17.689902	80.523558	30.54	III	ULAVANCHILAKA
275	17.712045	80.513064	68.83	V	ULAVANCHILAKA
276	17.735688	80.521485	16.23	I	JANGALAPALLI
277	17.727234	80.519699	11.02	II	JANGALAPALLI
278	17.727466	80.514304	15.10	II	JANGALAPALLI
279	17.736733	80.510908	24.90	II	JANGALAPALLI
280	17.734800	80.495054	81.68	III	JANGALAPALLI
281	17.726868	80.513126	14.77	IV	JANGALAPALLI
282	17.725149	80.516704	29.68	V	JANGALAPALLI
283	17.737948	80.531087	16.30	I	MURALIPAD
284	17.737223	80.528379	23.40	I	MURALIPAD
285	17.749785	80.517190	25.87	II	MURALIPAD
286	17.746630	80.531664	30.68	II	MURALIPAD
287	17.747282	80.527126	9.35	II	MURALIPAD
288	17.754346	80.519094	31.66	II	MURALIPAD
289	17.744917	80.524717	28.07	III	MURALIPAD
290	17.617533	80.500677	20.42	I	KOYAGUDEM

# Map Showing Suitability Index for Construction of SMC Works of Bodu Beat



Division : Kothagudem  
Range : Tekullapally

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
260	17.662801	80.448534	16.73	II

**Legend**

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

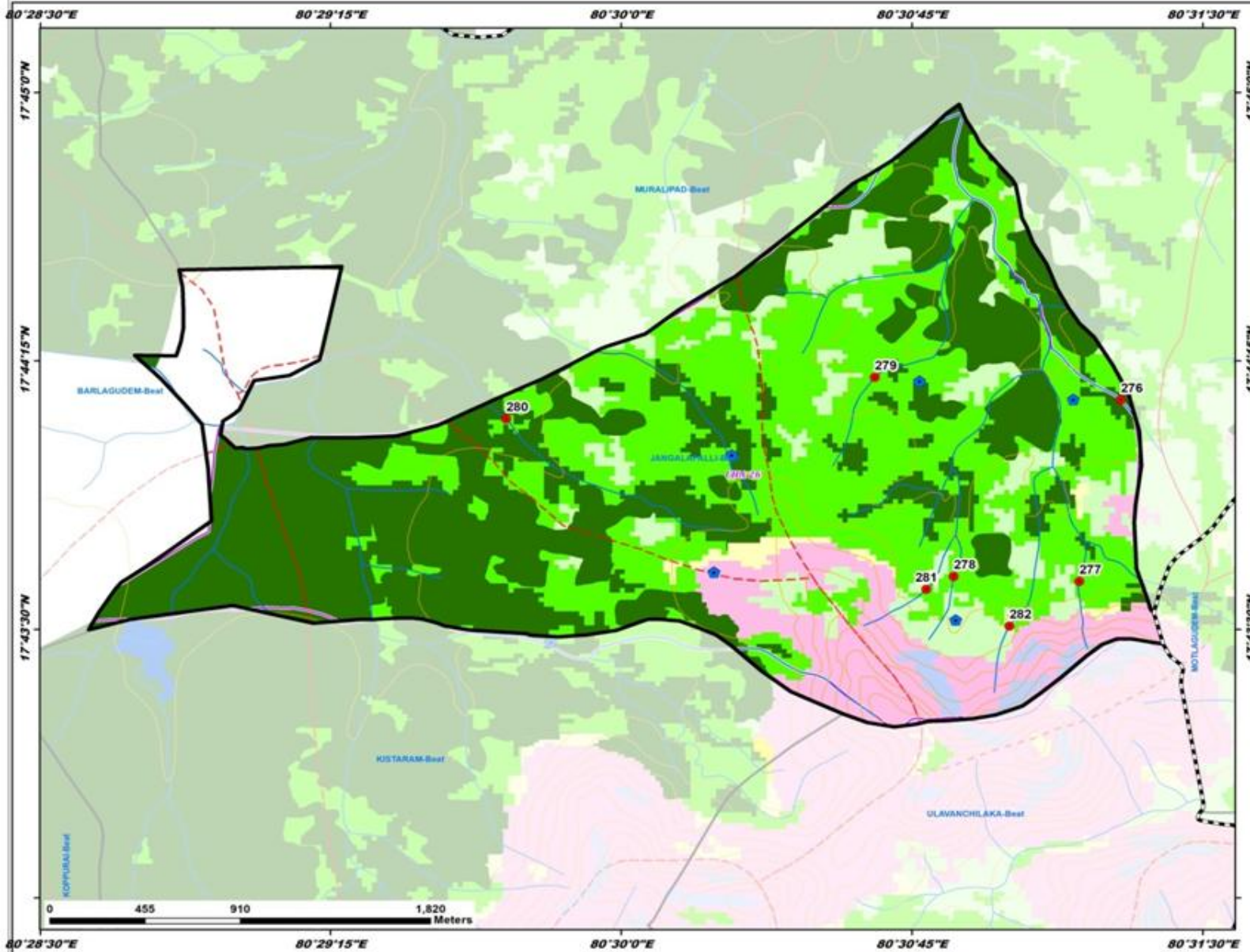
**Suitability Index**

- 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 Jangalapalli Beat



Division : Kothagudem  
Range : Tekullapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
276	17.735688	80.523485	16.23	I
277	17.727234	80.519099	11.02	II
278	17.727466	80.514304	15.30	II
279	17.726793	80.510908	24.90	II
280	17.734800	80.495054	81.68	III
281	17.726868	80.513126	14.77	IV
282	17.725149	80.516704	29.68	V

**Legend**

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

**Suitability Index**

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



# Map Showing Suitability Index for Construction of SMC Works of Kistaram Beat



Division : Kothagudem  
Range : Tekullipally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
261	17.710019	80.491015	5.88	I
262	17.710949	80.491667	5.87	I
263	17.711965	80.492457	5.49	I
264	17.715829	80.504447	11.28	II
265	17.688873	80.494902	17.40	II
266	17.706555	80.495787	33.28	III
267	17.690617	80.508137	23.06	IV
268	17.687799	80.509588	14.97	IV
269	17.689959	80.503211	32.58	V

### LEGEND

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

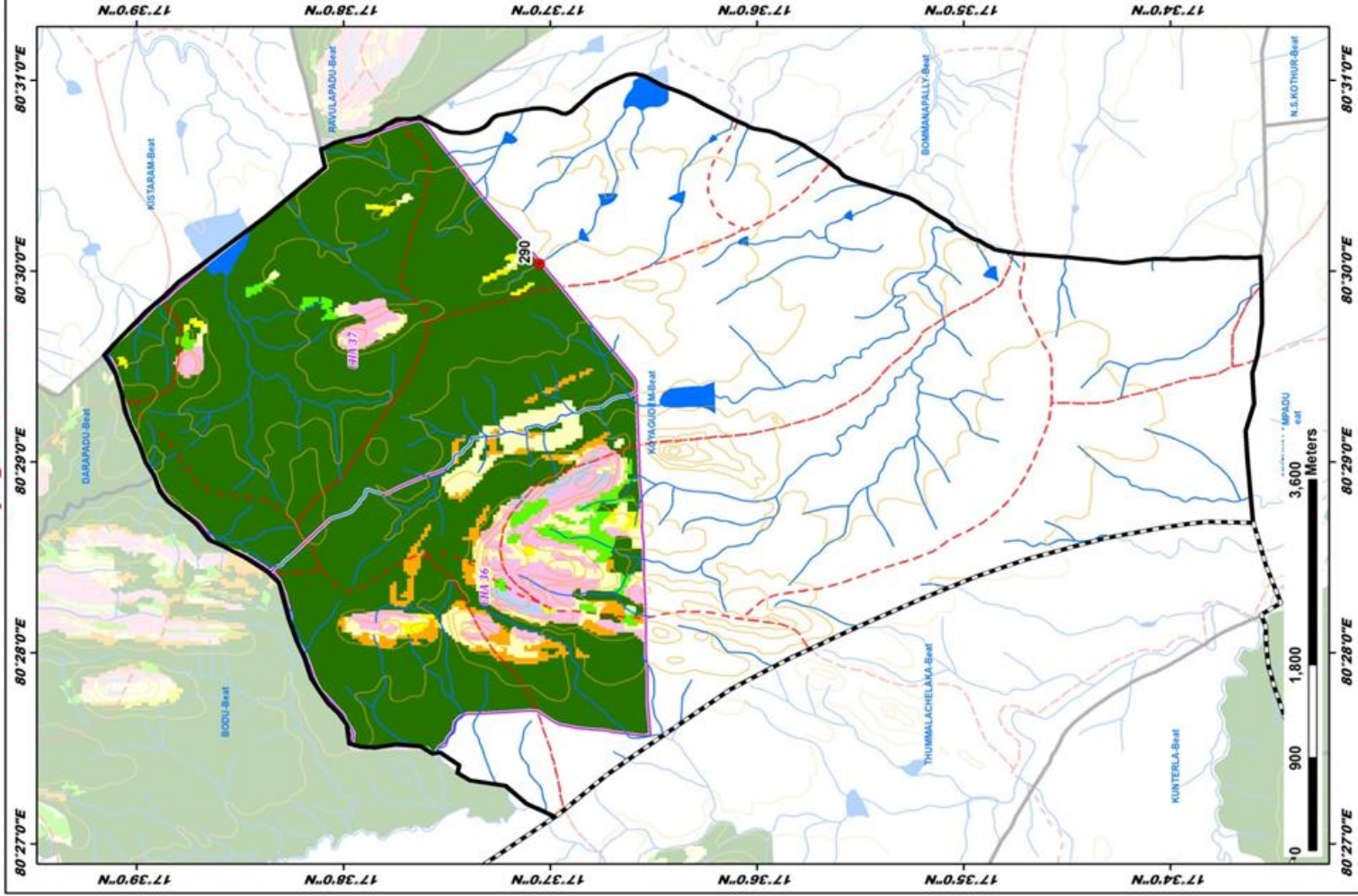
### Suitability Index

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

# Map Showing Suitability Index for Construction of SMC Works of Koyagudem Beat



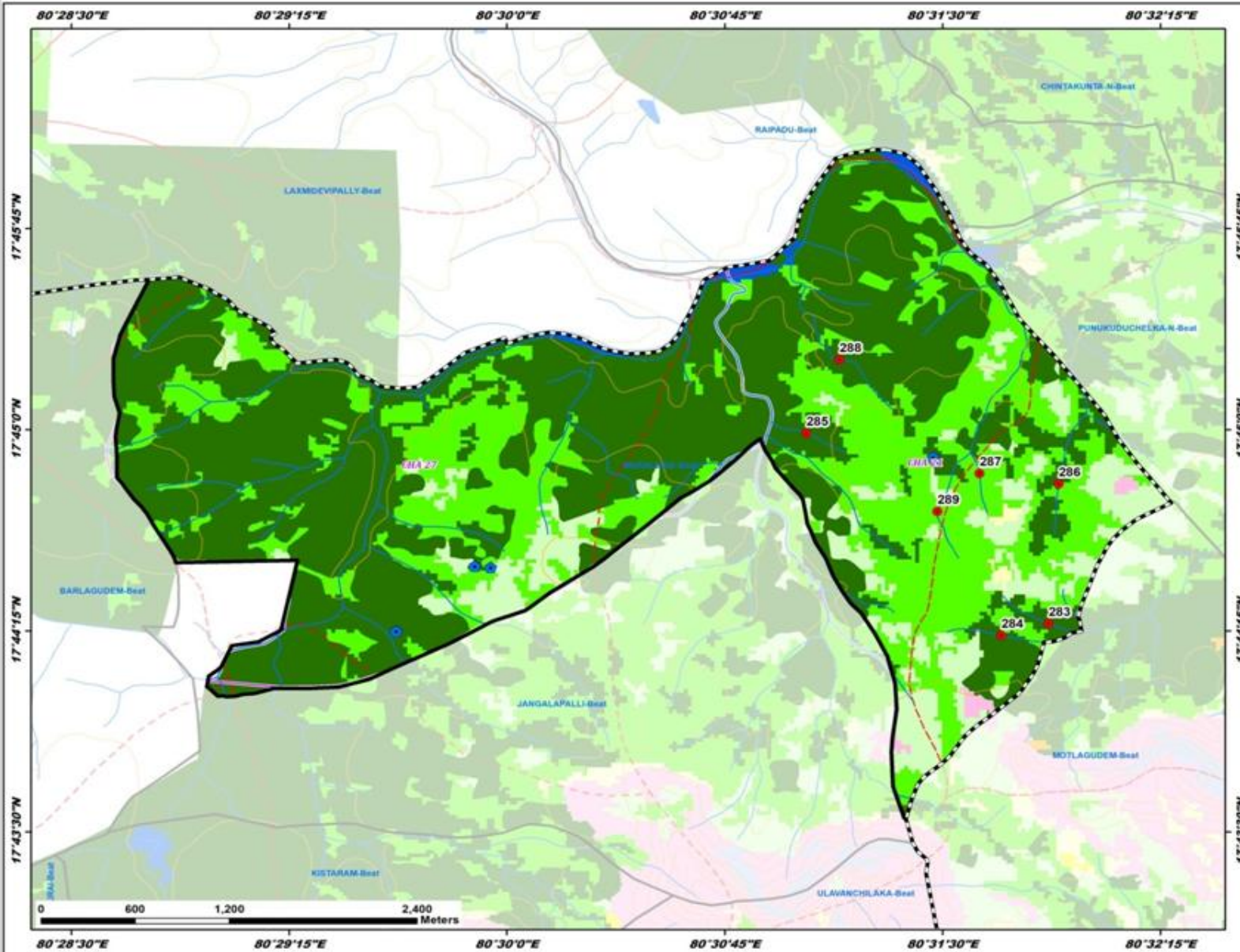
Division : Kothagudem  
Range : Tekullapally



# Map Showing Suitability Index for Construction of SMC Works of Muralipad Beat



Division : Kothagudem  
Range : Tekullapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
283	17.737948	80.532087	16.30	I
284	17.737223	80.528379	23.40	I
285	17.749785	80.517190	25.87	II
286	17.746630	80.533664	30.68	II
287	17.747282	80.527126	9.35	II
288	17.754346	80.519094	31.66	II
289	17.744917	80.524717	28.07	III

**Legend**

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

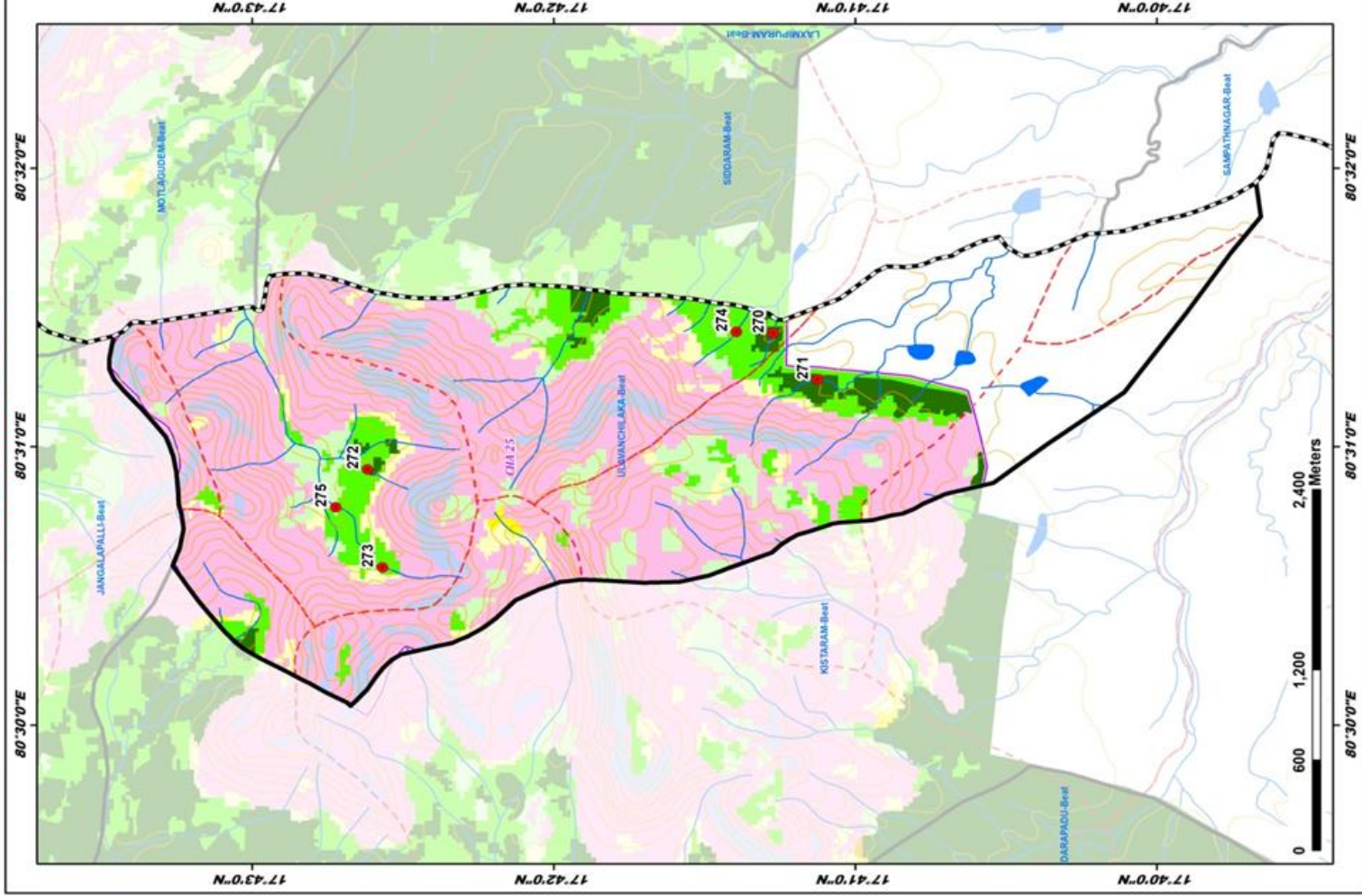
**Suitability Index**

- 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 Ulavanchilaka Beat



Division : Kothagudem  
Range : Tekullapally



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
270	17.687872	80.523882	13.60	I
271	17.685421	80.520702	30.96	II
272	17.710280	80.515331	8.04	II
273	17.709472	80.509452	35.59	III
274	17.689902	80.523558	30.54	III
275	17.713005	80.513864	68.83	V

**LEGEND**

- Proposed PTs (Red dot)
- Existing CDPTs (Blue dot)
- Contours (Brown line)
- Streams (Blue line)
- Watershed Boundary (Red dashed line)
- Compartment Boundary (Black dashed line)
- Beat Boundary (Black solid line)
- Division Boundary (Black dashed line)

**Suitability Index**

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