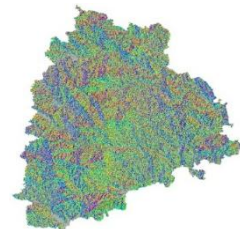
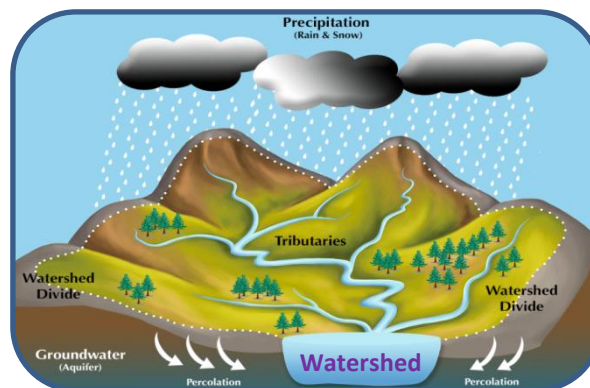


# Government of Telangana – Forest Department



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

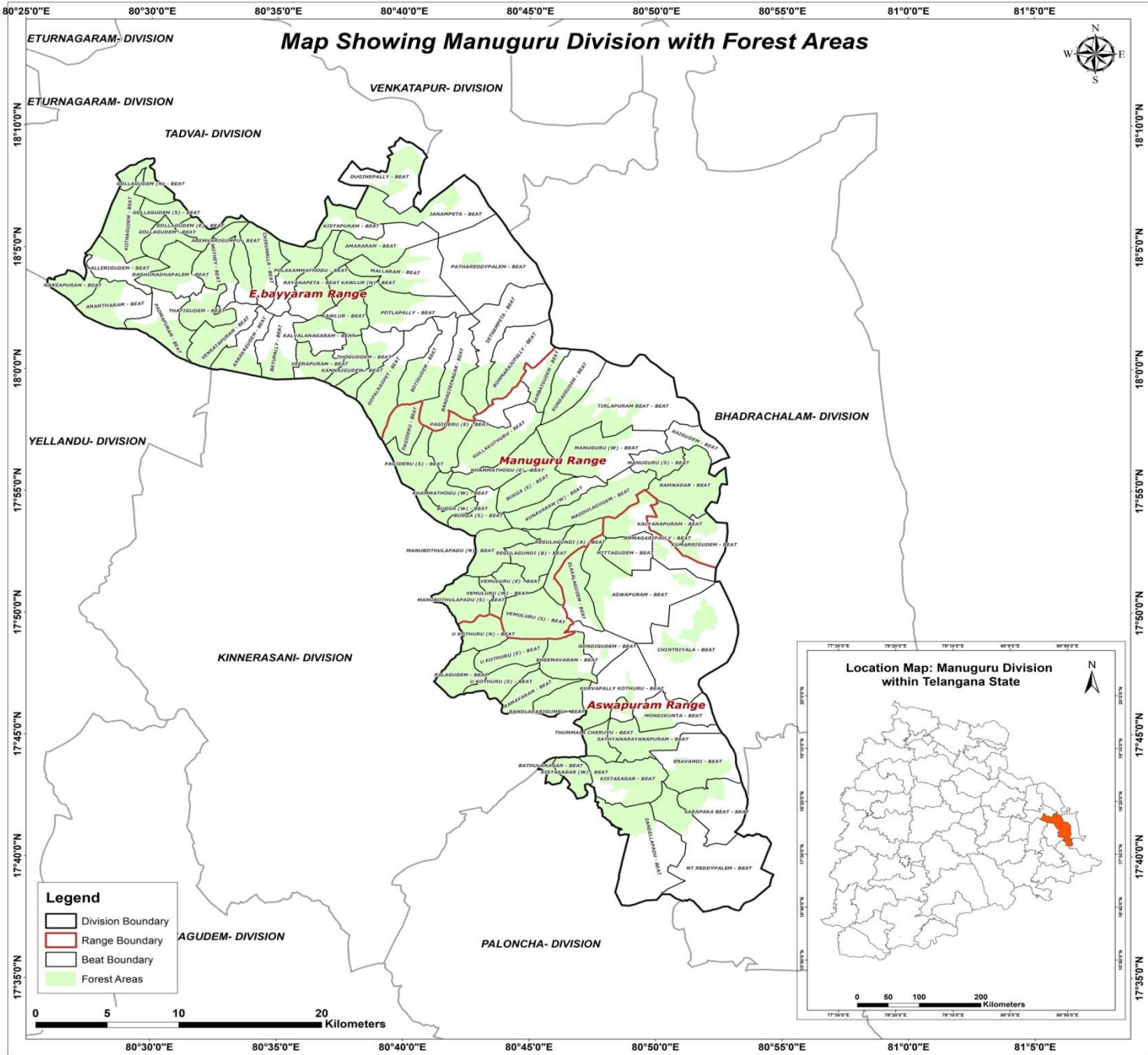


# **SITE SUITABILITY ANALYSIS FOR WATER HARVESTING STRUCTURES USING REMOTE SENSING & GIS**

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

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

# Map Showing Manuguru Division with Forest Areas



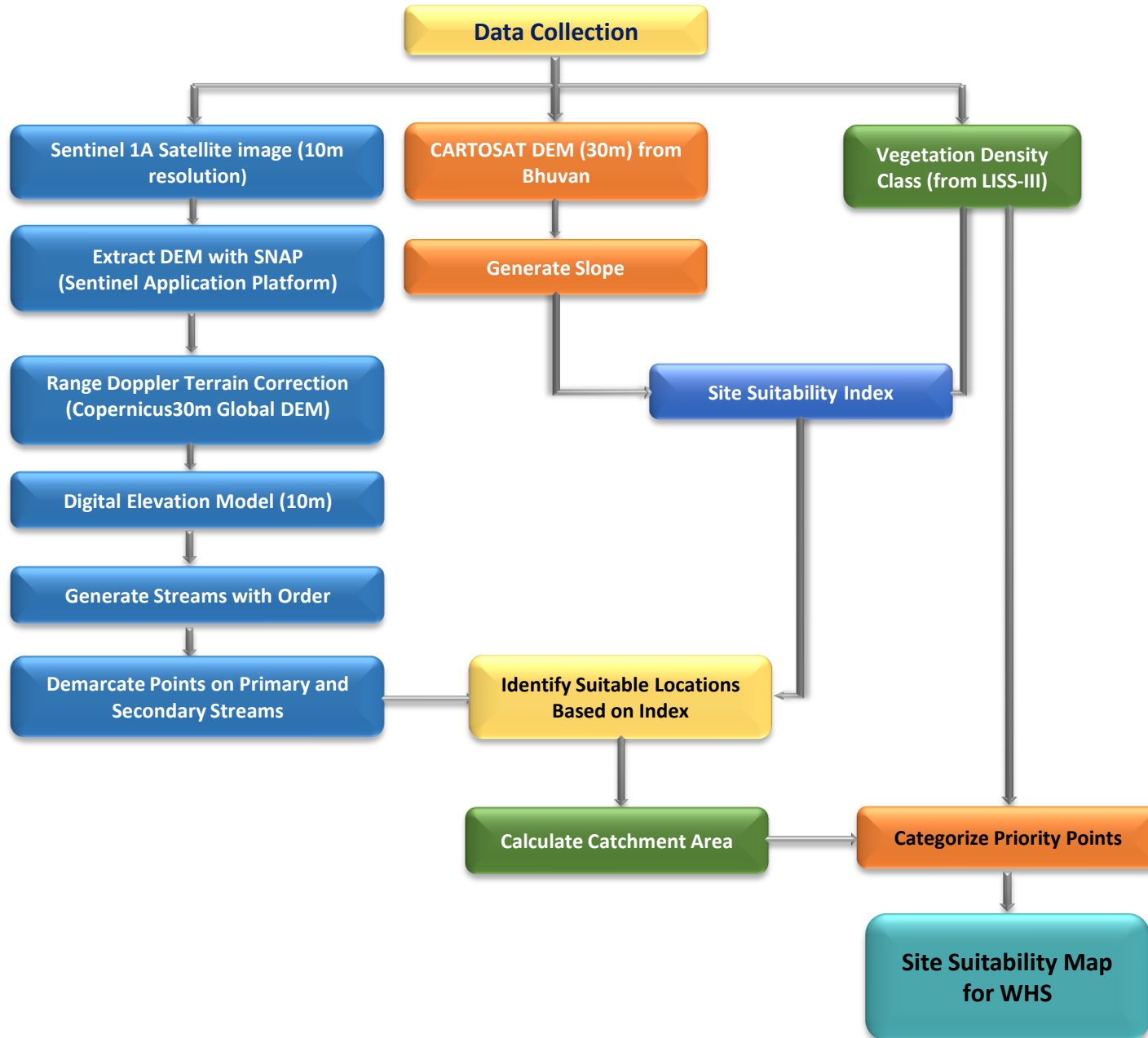
## METHODOLOGY

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

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



# FLOW CHART FOR METHODOLOGY



## Guidelines for building Percolation Tanks:

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



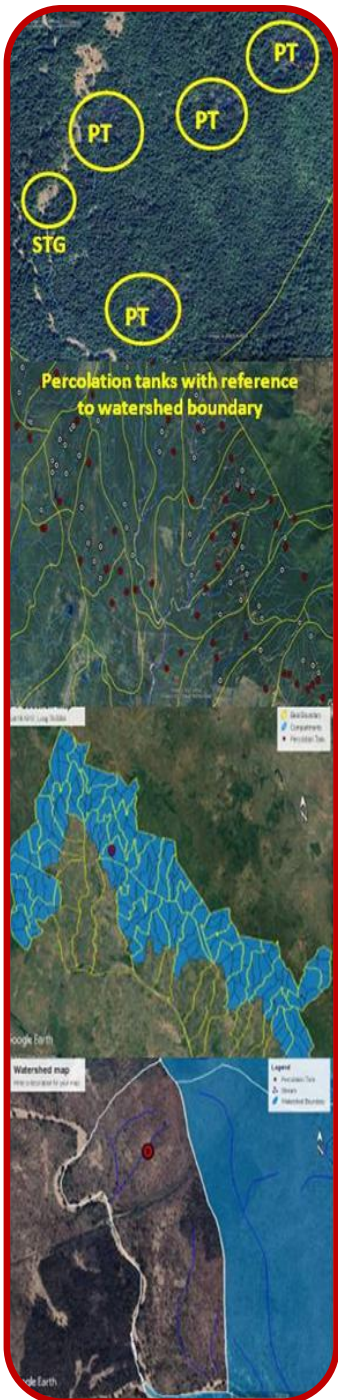
## Suitability criteria for Check-Dams and Percolation Tanks ( SITE SUITABILITY INDEX)

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

## Suitability criteria for Continuous/Staggered contour trenches

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





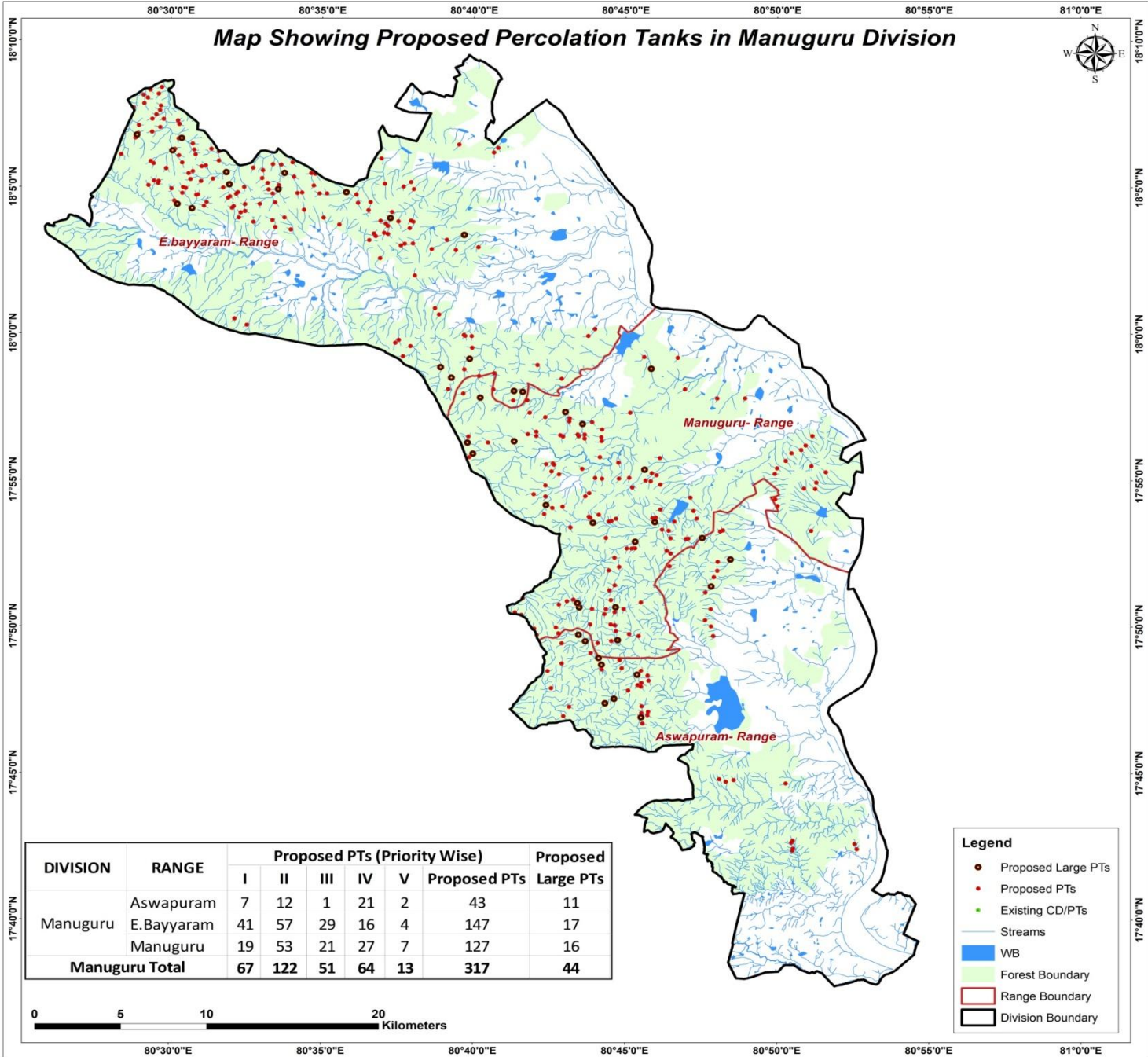
## PRIORITY CLASSES FOR PERCOLATION TANK

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





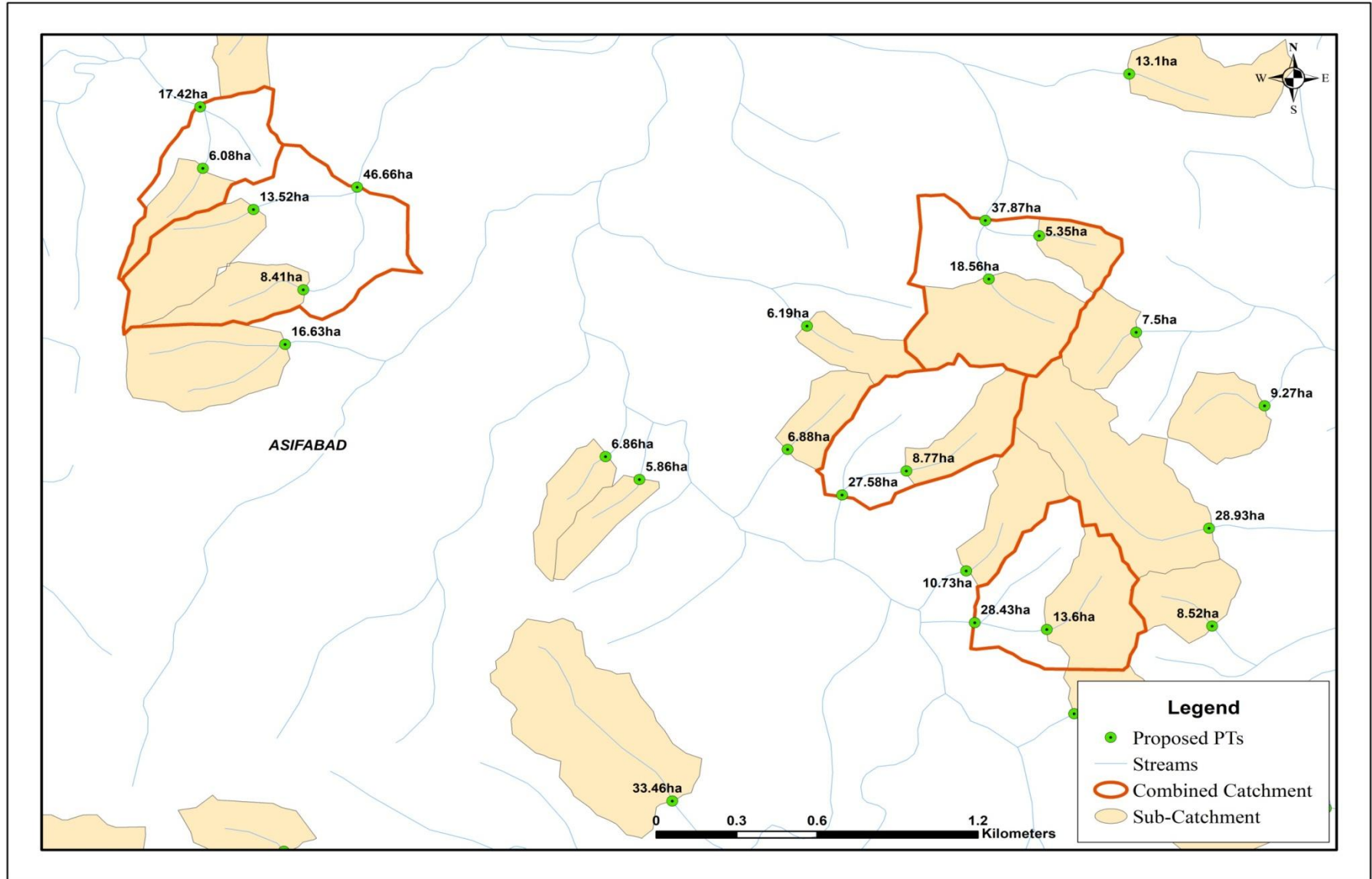
# Map Showing Proposed Percolation Tanks in Manuguru Division



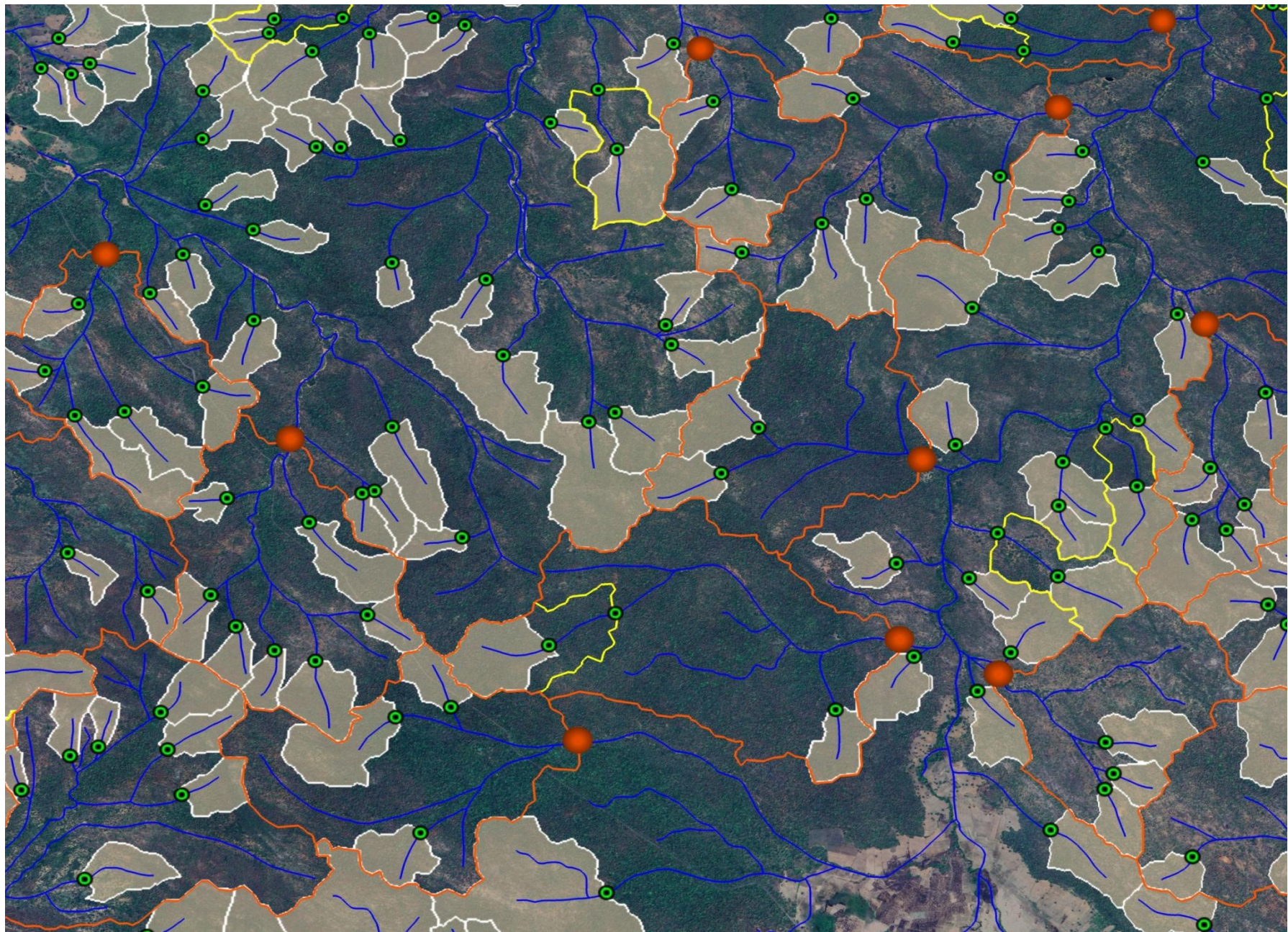
DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
		I	II	III	IV	V		
Manuguru	Aswapuram	7	12	1	21	2	43	11
	E. Bayyaram	41	57	29	16	4	147	17
	Manuguru	19	53	21	27	7	127	16
<b>Manuguru Total</b>		<b>67</b>	<b>122</b>	<b>51</b>	<b>64</b>	<b>13</b>	<b>317</b>	<b>44</b>

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

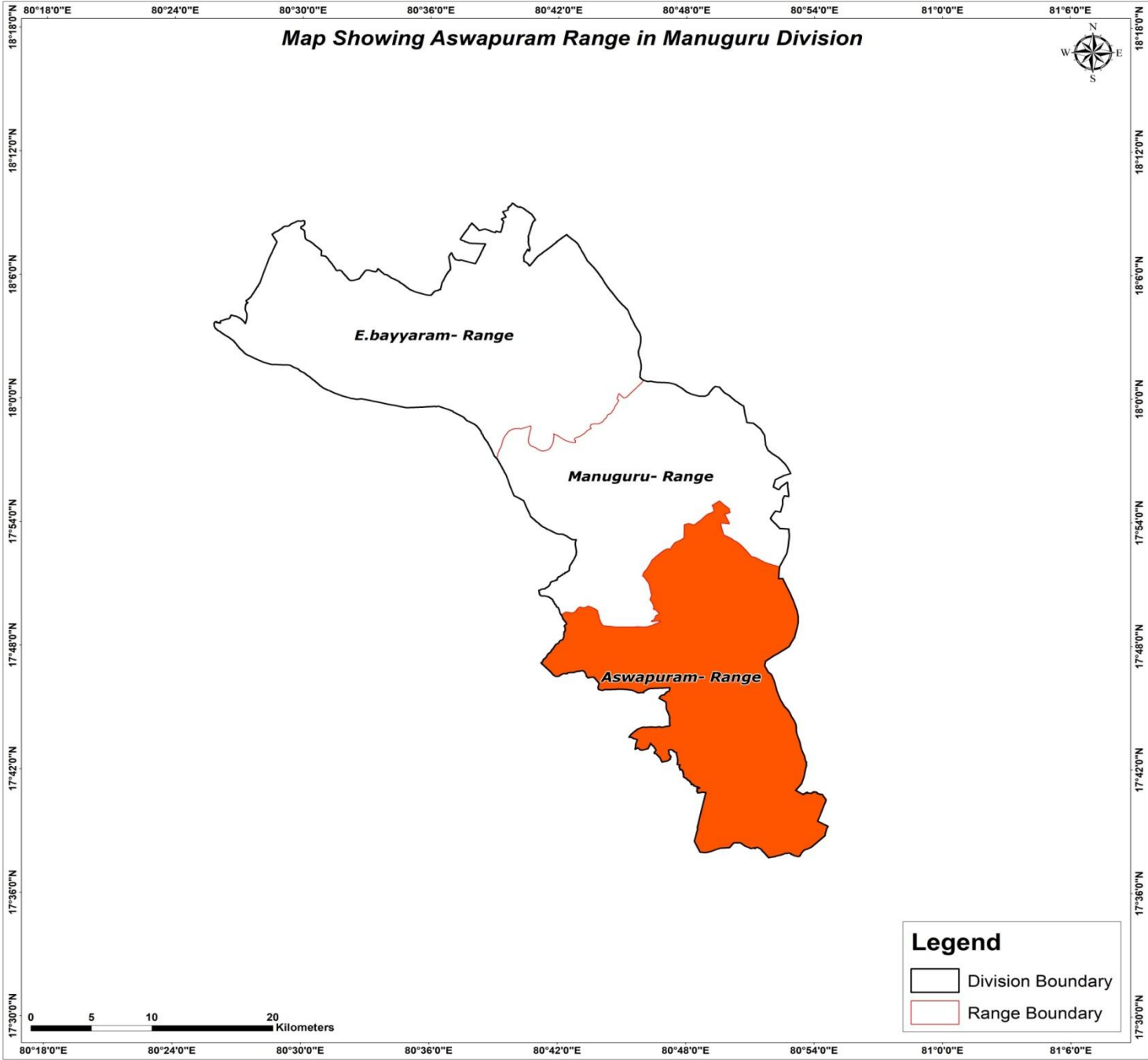
# CATCHMENT AREA



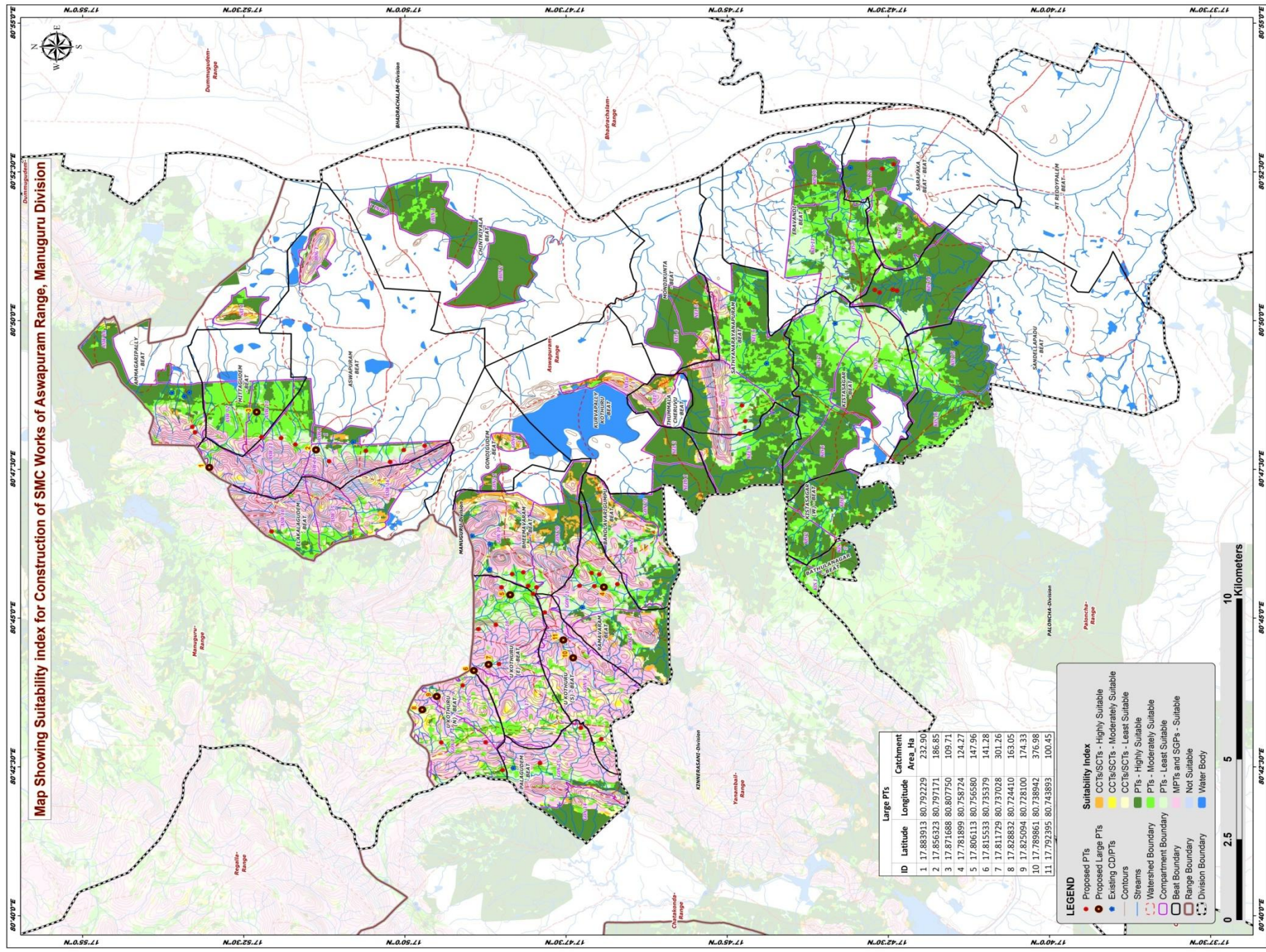
# Sample Catchment Map



# Map Showing Aswapuram Range in Manuguru Division



**Map Showing Suitability index for Construction of SMC Works of Aswapuram Range, Manuguru Division**



ID	Latitude	Longitude	Catchment Area, Ha
1	17.883913	80.792229	232.90
2	17.856593	80.797171	186.85
3	17.871688	80.807750	109.71
4	17.818199	80.738724	124.27
5	17.806113	80.756580	147.96
6	17.815533	80.735379	141.28
7	17.811729	80.737028	301.26
8	17.828832	80.724410	163.05
9	17.825094	80.728100	174.33
10	17.789861	80.738942	376.98
11	17.792395	80.743893	100.45

**LEGEND**

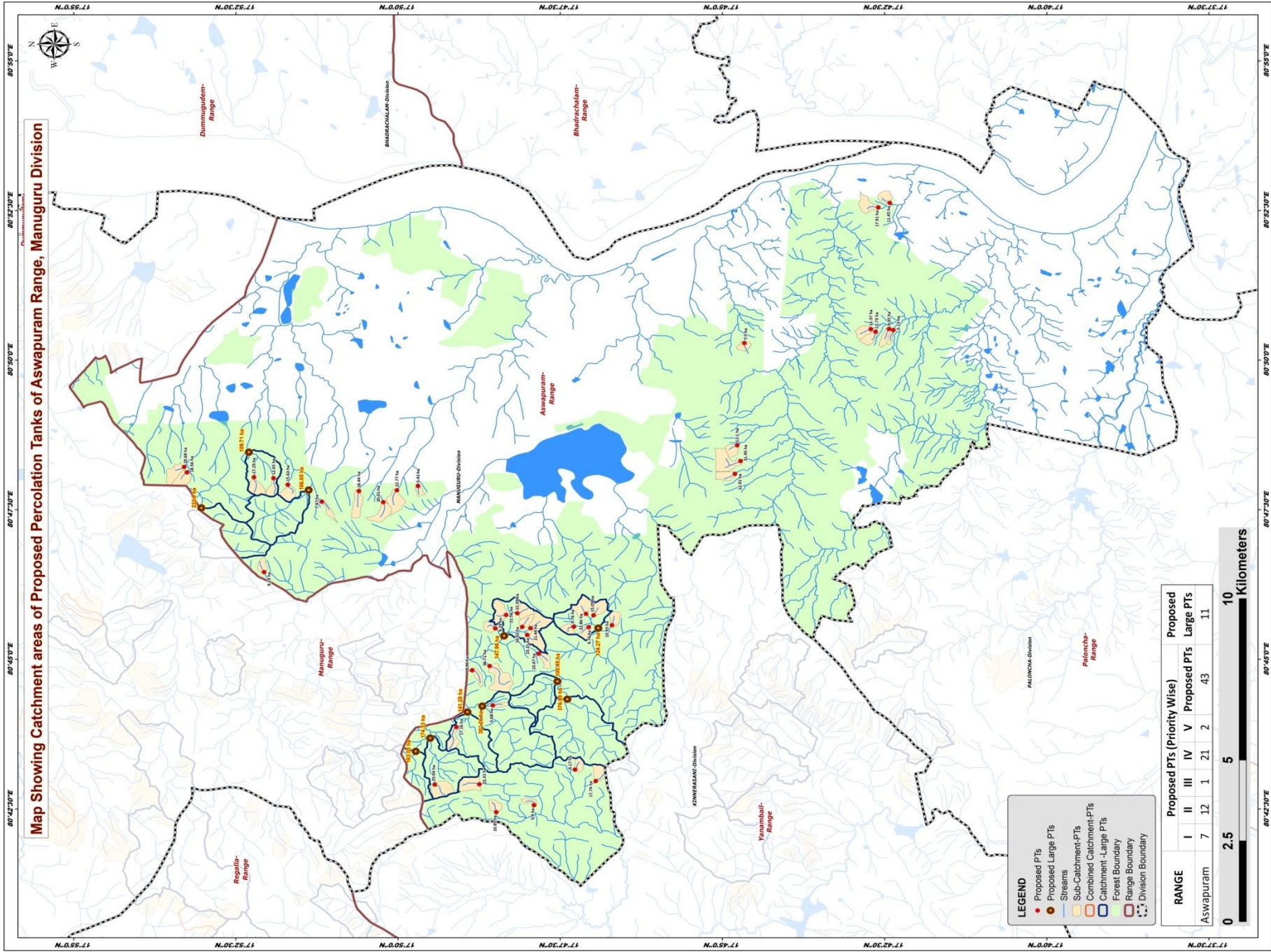
- Proposed PTs
- Existing CDPTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Range Boundary
- Division Boundary
- Water Body

**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 SFPs - Suitable
- Not Suitable



# Map Showing Catchment areas of Proposed Percolation Tanks of Aswapuram Range, Manuguru Division



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

S. No.	Beat	Proposed PT's
1	AMMAGARIPALLY	2
2	ASWAPURAM	7
3	BHEEMAVARAM	4
4	ELAKALAGUDEM	1
5	MITTAGUDEM	1
6	NT REDDYPALEM	4
7	PALAGUDEM	2
8	RAMAVARAM	5
9	SARAPAKA BEAT	2
10	SATHYANARAYANAPURAM	4
11	U KOTHURU (E)	5
12	U KOTHURU (N)	4
13	U KOTHURU (S)	2
	<b>Total</b>	<b>43</b>

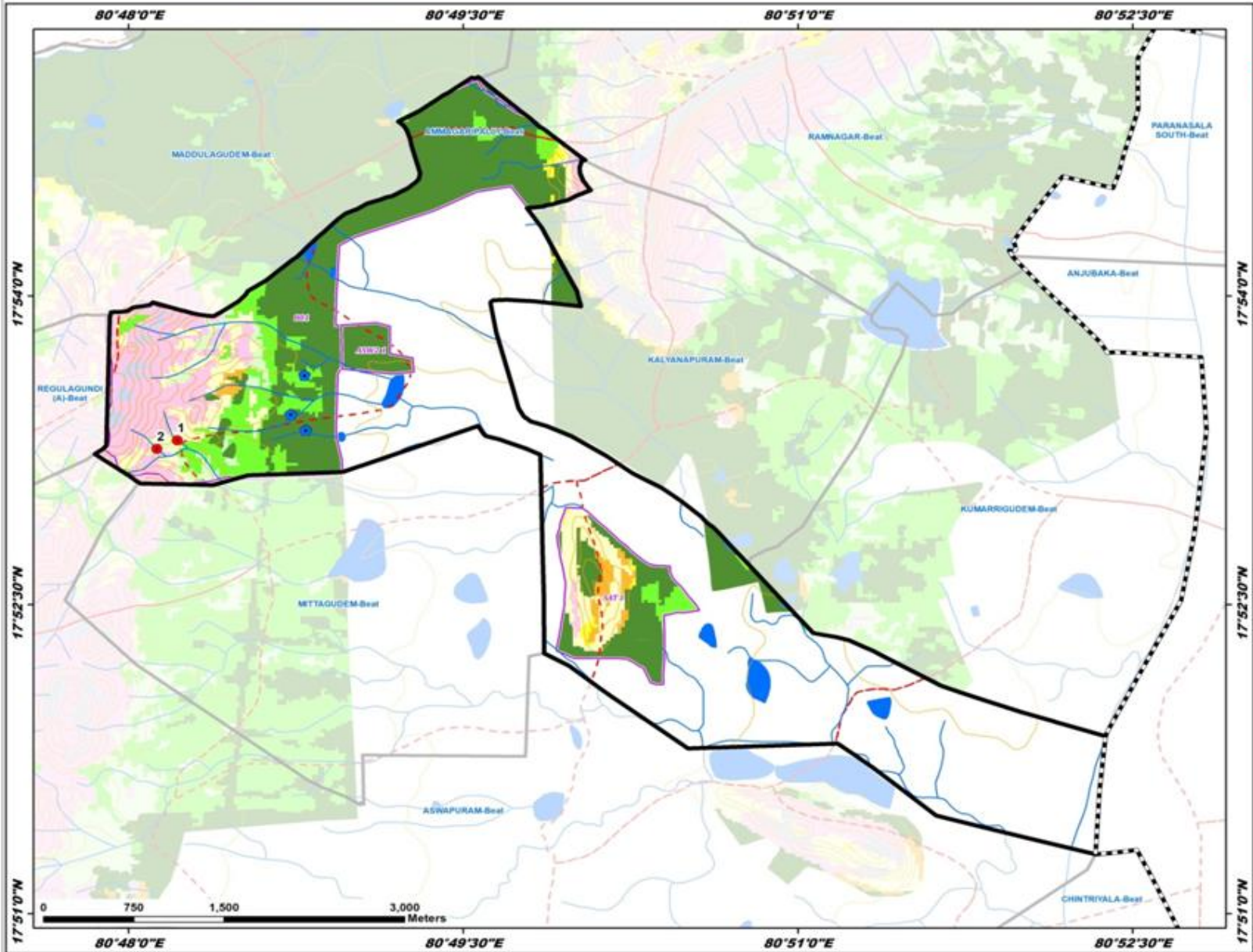
## List of Proposed PTs – Aswapuram Range

ID	Latitude	Longitude	Catchment Area Ha	Priority	Beat
1	17.888316	80.803630	18.68	IV	AMMAGARIPALLY
2	17.887621	80.802107	18.56	IV	AMMAGARIPALLY
3	17.843435	80.796909	18.44	II	ASWAPURAM
4	17.865332	80.800516	12.65	II	ASWAPURAM
5	17.833640	80.797147	22.77	II	ASWAPURAM
6	17.861682	80.798688	15.62	II	ASWAPURAM
7	17.828235	80.798354	5.42	IV	ASWAPURAM
8	17.837163	80.793818	20.01	IV	ASWAPURAM
9	17.852958	80.793976	7.47	IV	ASWAPURAM
10	17.867791	80.774318	9.19	IV	ELAKALAGUDEM
11	17.870391	80.800772	17.29	IV	MITTAGUDEM
12	17.744345	80.838134	7.50	I	SATHYANARAYANAPURAM
13	17.745347	80.805259	31.95	III	SATHYANARAYANAPURAM
14	17.746213	80.809643	11.10	IV	SATHYANARAYANAPURAM
15	17.746781	80.801710	12.91	IV	SATHYANARAYANAPURAM
16	17.801460	80.759067	10.32	II	BHEEMAVARAM
17	17.805606	80.762403	21.56	II	BHEEMAVARAM
18	17.799317	80.758688	21.44	IV	BHEEMAVARAM
19	17.802728	80.762880	15.59	IV	BHEEMAVARAM
20	17.798422	80.709435	5.90	II	PALAGUDEM
21	17.787867	80.719327	9.17	II	PALAGUDEM
22	17.785079	80.762706	22.86	II	RAMAVARAM
23	17.784367	80.759013	9.76	II	RAMAVARAM
24	17.783098	80.762300	15.05	IV	RAMAVARAM
25	17.778395	80.759560	10.93	IV	RAMAVARAM
26	17.788211	80.759119	9.76	IV	RAMAVARAM
27	17.800186	80.756862	23.31	II	U KOTHURU (E)
28	17.809035	80.737211	5.68	IV	U KOTHURU (E)
29	17.814338	80.746985	8.96	IV	U KOTHURU (E)
30	17.808356	80.758682	9.29	IV	U KOTHURU (E)
31	17.809825	80.748177	36.71	V	U KOTHURU (E)
32	17.812478	80.715264	23.31	IV	U KOTHURU (N)
33	17.818380	80.731199	17.16	IV	U KOTHURU (N)
34	17.808123	80.707488	10.85	IV	U KOTHURU (N)
35	17.823936	80.715207	25.04	V	U KOTHURU (N)
36	17.782563	80.716164	17.74	II	U KOTHURU (S)
37	17.797190	80.751648	10.67	IV	U KOTHURU (S)
38	17.707218	80.842061	9.35	I	NT REDDYPALEM
39	17.706097	80.841775	5.13	I	NT REDDYPALEM
40	17.711879	80.841998	12.37	I	NT REDDYPALEM
41	17.710648	80.841277	11.73	I	NT REDDYPALEM
42	17.707002	80.877166	11.45	I	SARAPAKA BEAT
43	17.709952	80.875882	17.91	I	SARAPAKA BEAT

# Map Showing Suitability index for Construction of SMC Works of Ammagaripally Beat



Division : Manuguru  
Range : Aswapuram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
1	17.888316	80.803630	18.68	IV
2	17.887621	80.802107	18.56	IV

**LEGEND**

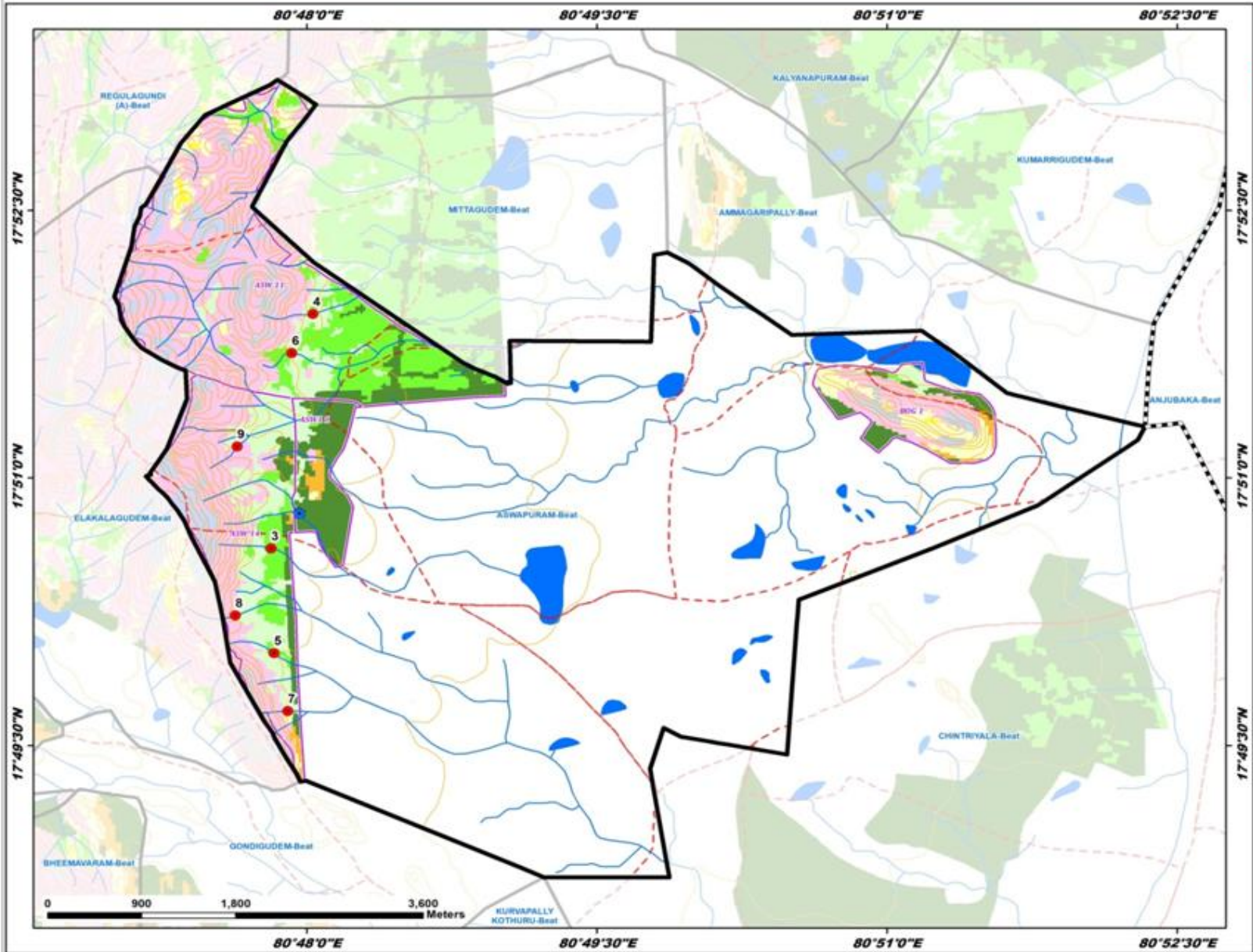
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary

**Suitability Index**

- CCTs/STs - Highly Suitable
- CCTs/STs - Moderately Suitable
- CCTs/STs - 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 Aswapuram Beat



Division : Manuguru  
Range : Aswapuram

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
10	17.839856	80.796571	33.30	III
11	17.848948	80.793508	17.90	IV
12	17.865242	80.799631	11.62	IV
13	17.834483	80.795811	16.35	IV
14	17.843646	80.795322	12.20	IV

**LEGEND**

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

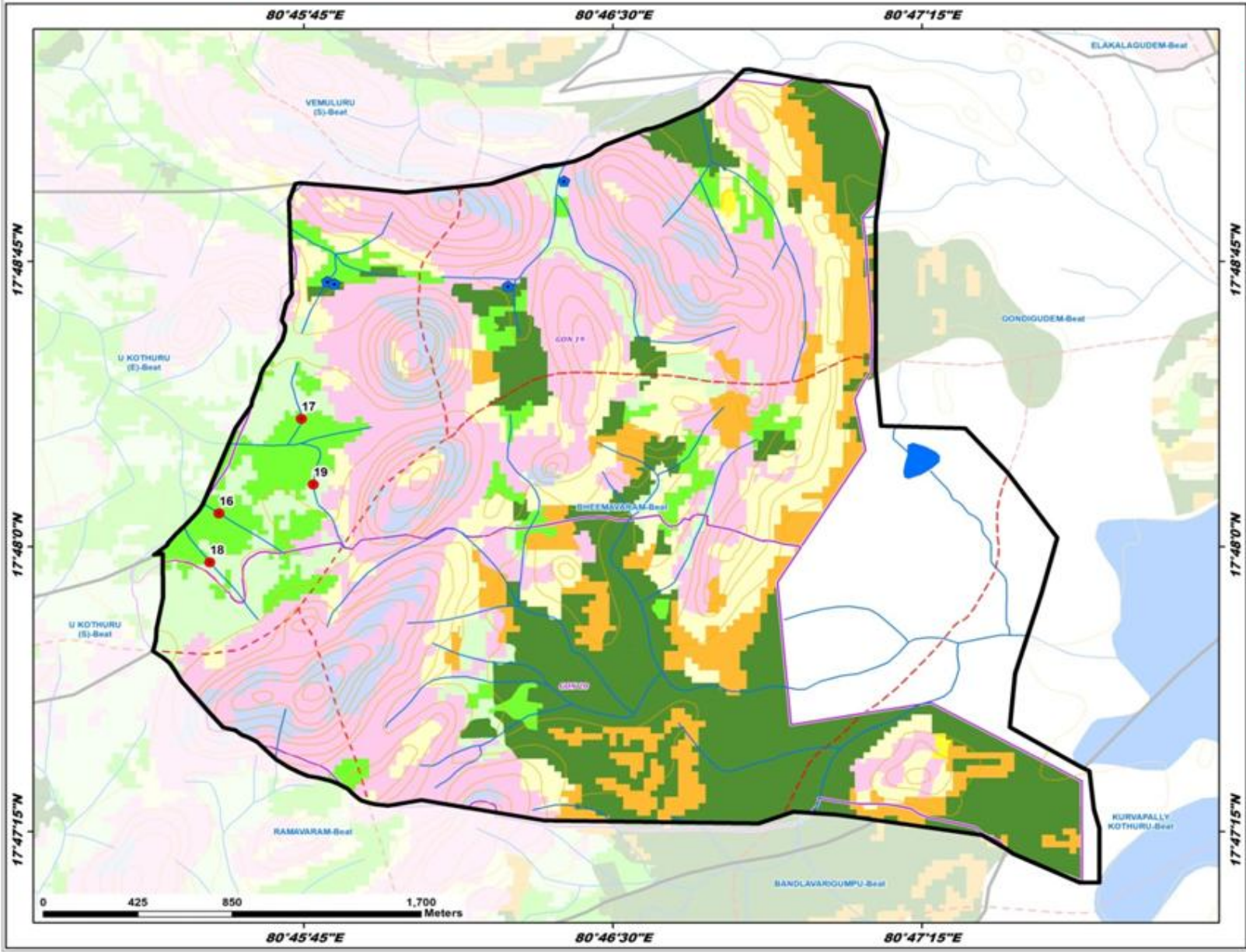
**Suitability Index**

- CCTs/SGTs - Highly Suitable
- CCTs/SGTs - Moderately Suitable
- CCTs/SGTs - 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 Bheemavaram Beat



Division : Manuguru  
Range : Aswapuram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
16	17.801460	80.759067	10.32	II
17	17.805606	80.762403	21.56	II
18	17.799317	80.758688	21.44	IV
19	17.802728	80.762880	15.59	IV

**LEGEND**

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

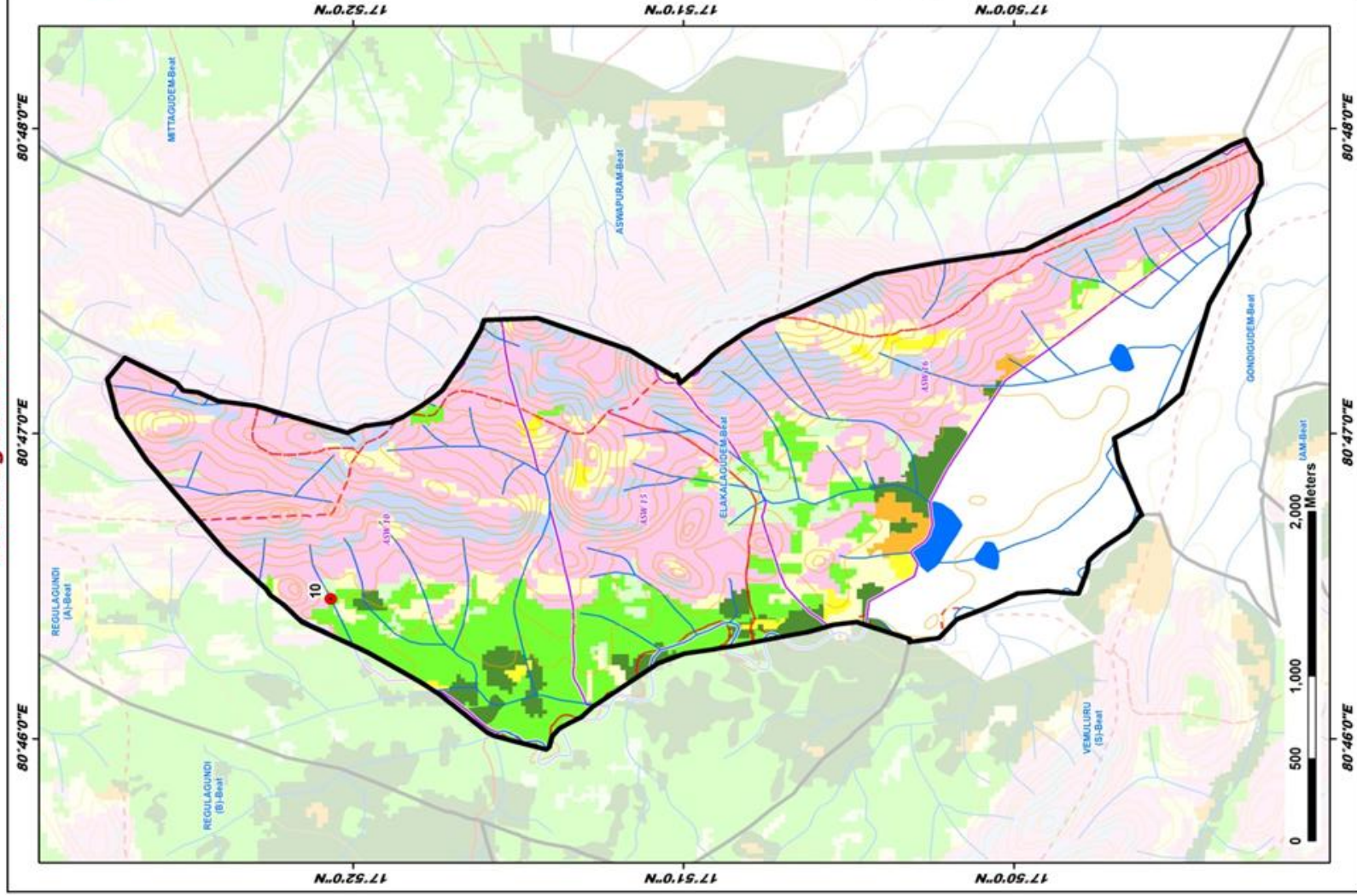
**Suitability Index**

- 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 Elakalagudem Beat



Division : Manuguru  
Range : Aswapuram

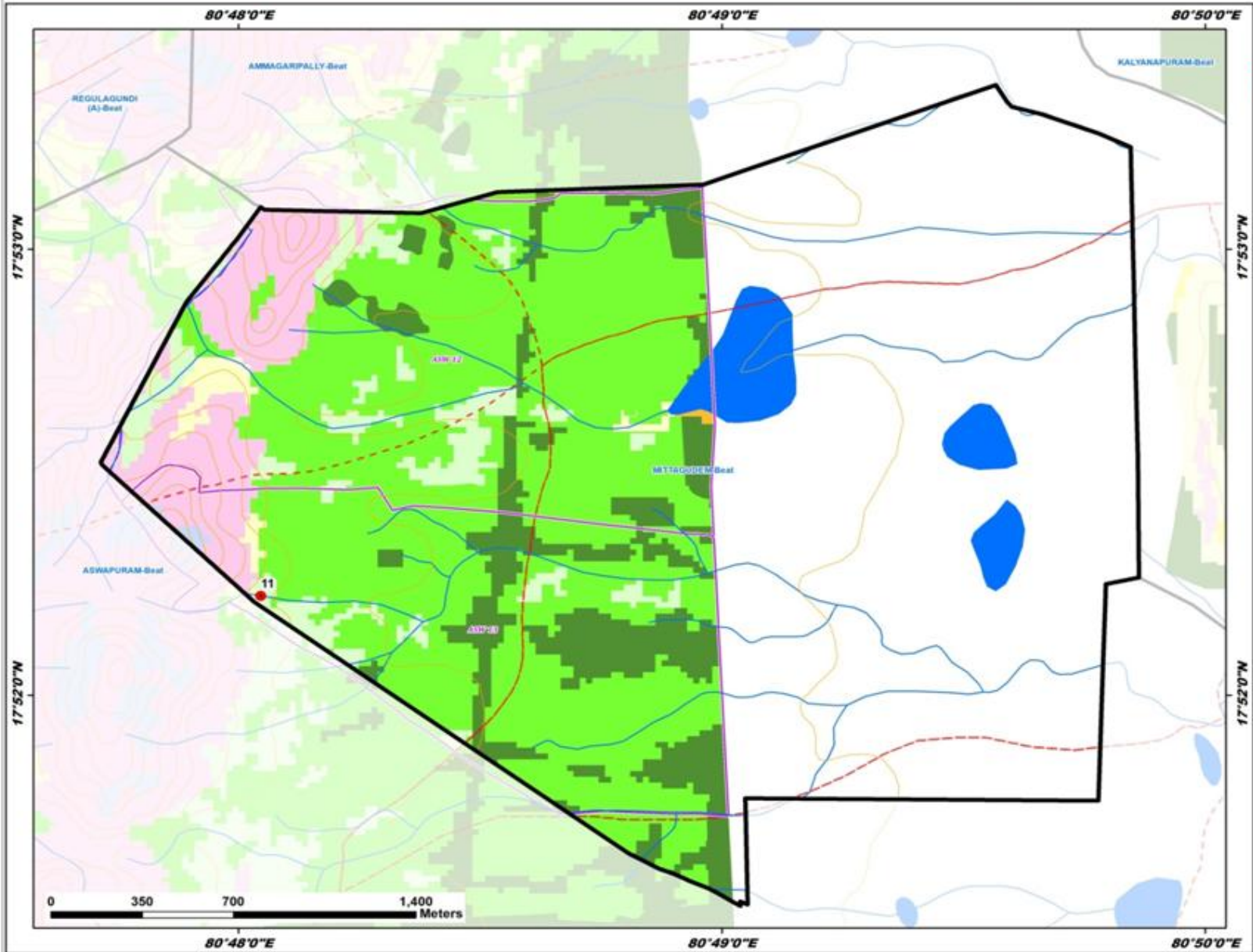


ID	Latitude	Longitude	Catchment Area, Ha	PRIORITY
10	17.567791	80.774318	9.19	IV

## LEGEND

- Proposed P/Ts
  - Existing CD/P/Ts
  - Contours
  - Streams
  - Watershed Boundary
  - Compartment Boundary
  - Beat Boundary
  - Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
  - CCTs/SCTs - Moderately Suitable
  - CCTs/SCTs - Least Suitable
  - P/Ts - Highly Suitable
  - P/Ts - Moderately Suitable
  - P/Ts - Least Suitable
  - M/P/Ts and S/GPs - Suitable
  - Not Suitable
  - Water Body

# Map Showing Suitability index for Construction of SMC Works of Mittagudem Beat



Division : Manuguru  
Range : Aswapuram

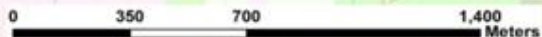
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
11	17.870191	80.800772	17.29	IV

**LEGEND**

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

**Suitability Index**

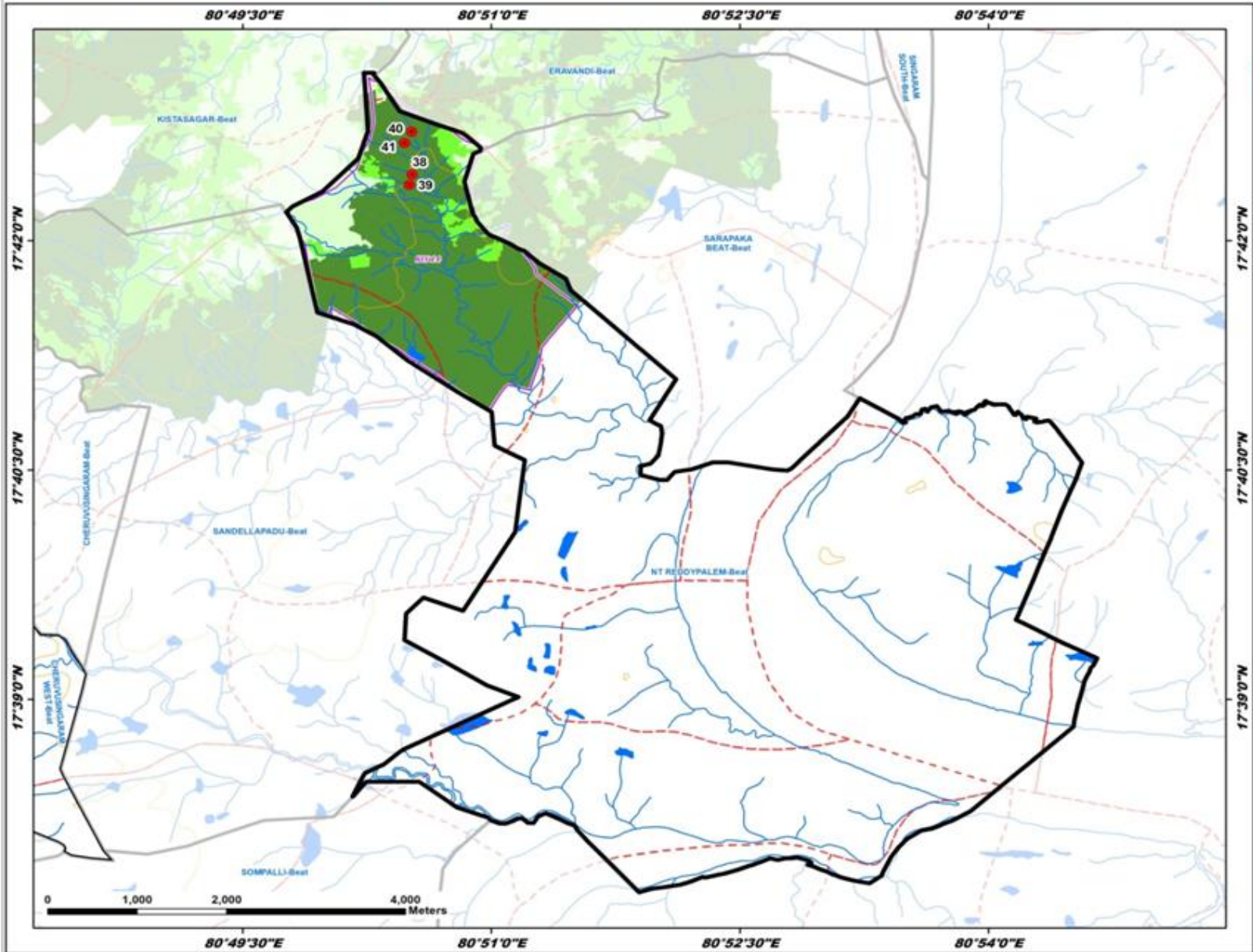
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability index for Construction of SMC Works of NT Reddypalem Beat



Division : Manuguru  
Range : Aswapuram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
38	17.707218	80.842061	9.35	I
39	17.706097	80.841775	5.13	I
40	17.711879	80.841998	12.37	I
41	17.710648	80.841277	11.73	I

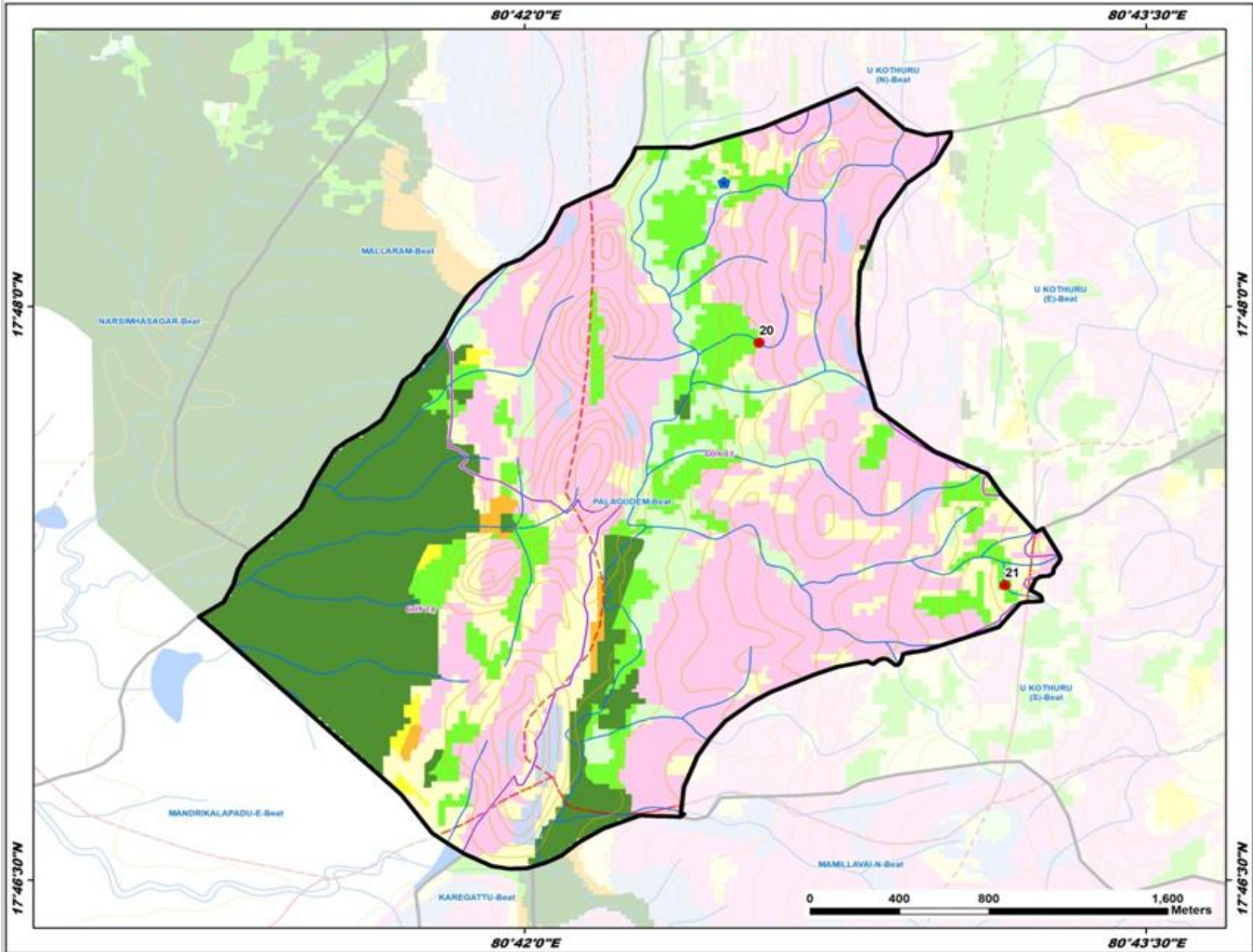
**LEGEND**

- 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 Palagudem Beat



Division : Manuguru  
Range : Aswapuram

ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
20	17.798422	80.709435	5.90	II
21	17.787867	80.719327	9.17	II

**LEGEND**

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

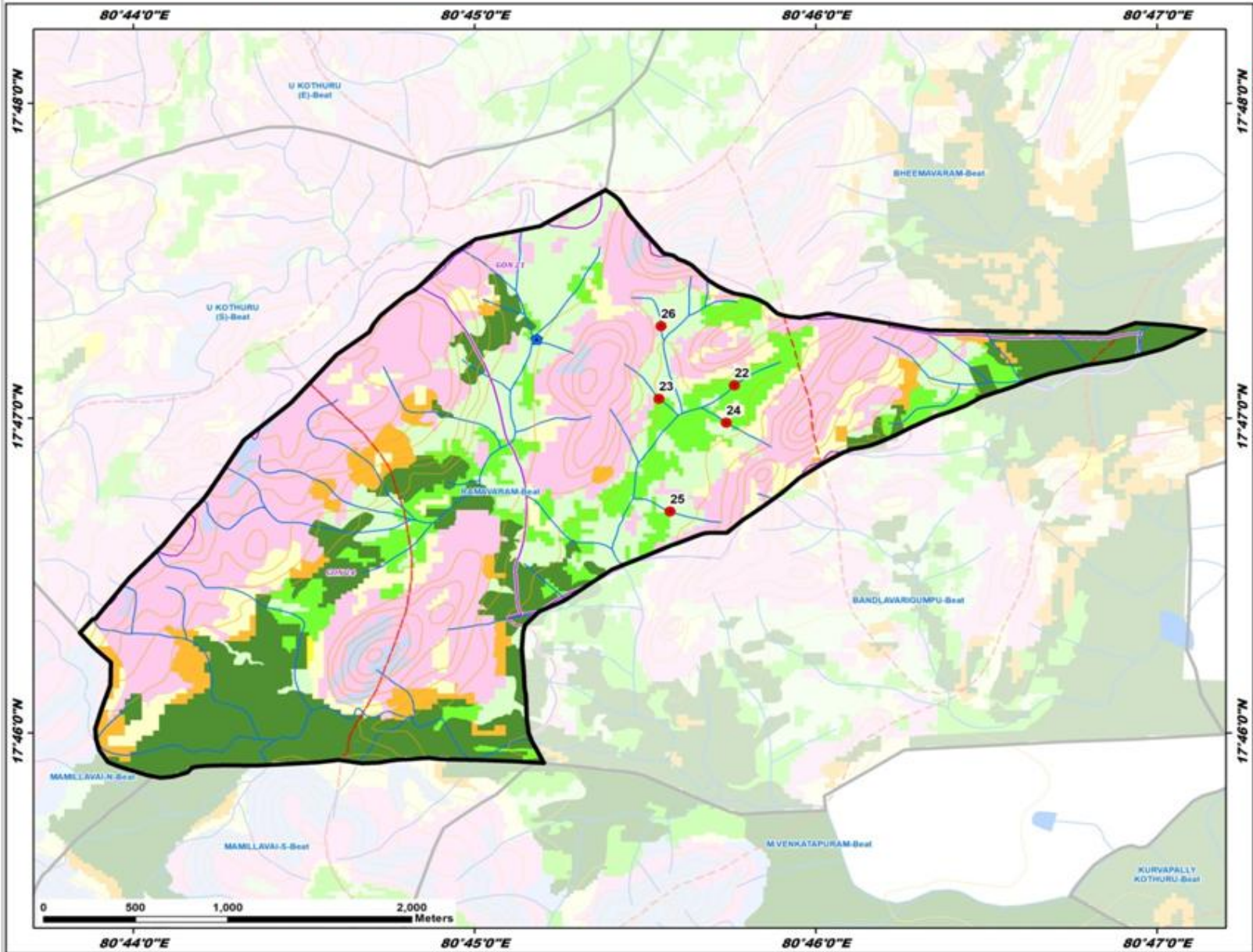
**Suitability Index**

- CCTs/STCs - Highly Suitable
- CCTs/STCs - Moderately Suitable
- CCTs/STCs - 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 : Manuguru  
Range : Aswapuram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
22	17.785079	80.762706	22.86	II
23	17.784367	80.759013	9.76	II
24	17.783098	80.762300	15.05	IV
25	17.778395	80.759560	10.93	IV
26	17.788211	80.759119	9.76	IV

**LEGEND**

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

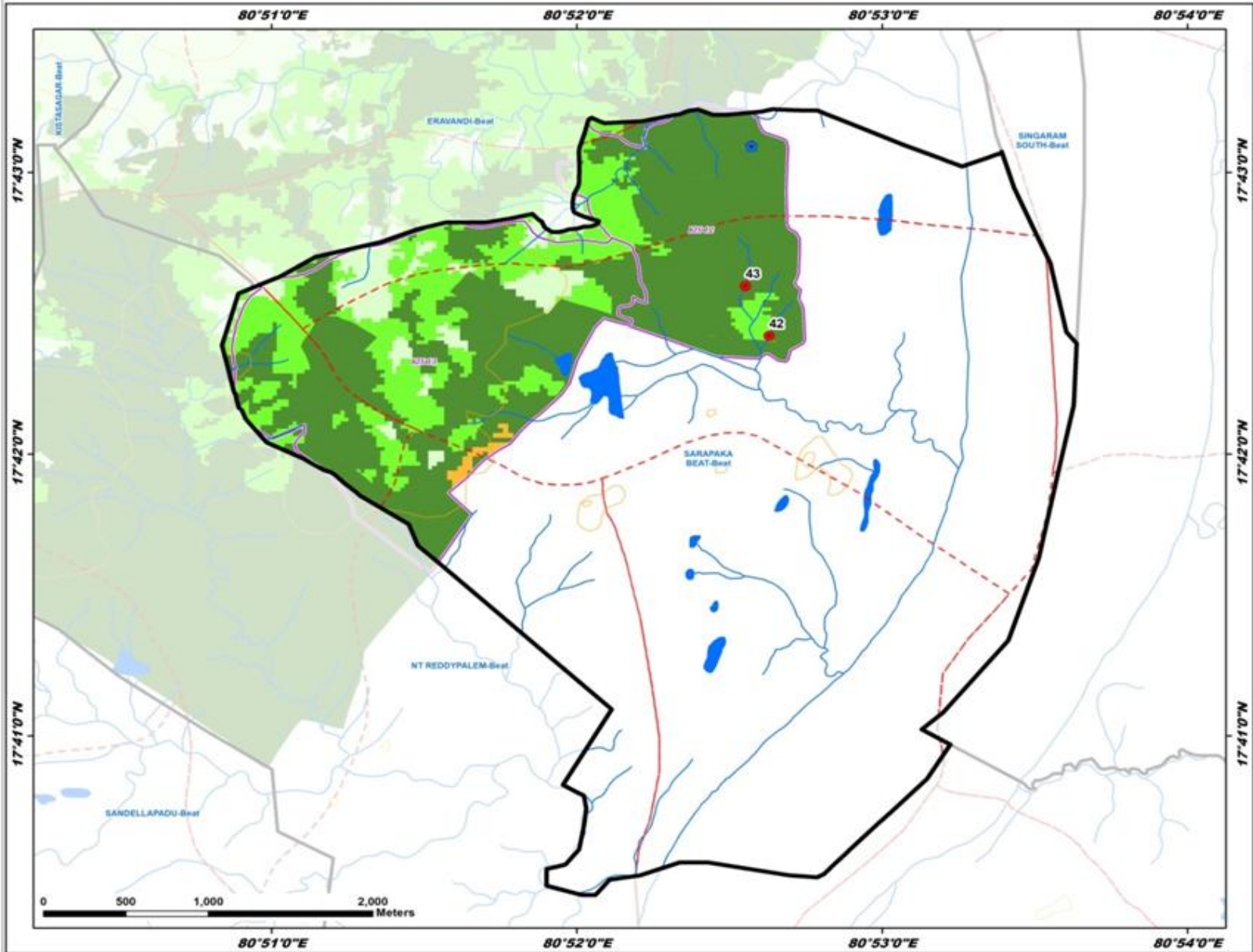
**Suitability Index**

- CCTs/SGTs - Highly Suitable
- CCTs/SGTs - Moderately Suitable
- CCTs/SGTs - 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 Sarapaka Beat



Division : Manuguru  
Range : Aswapuram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
42	17.707002	80.877166	11.45	I
43	17.709952	80.875882	17.91	I

**LEGEND**

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

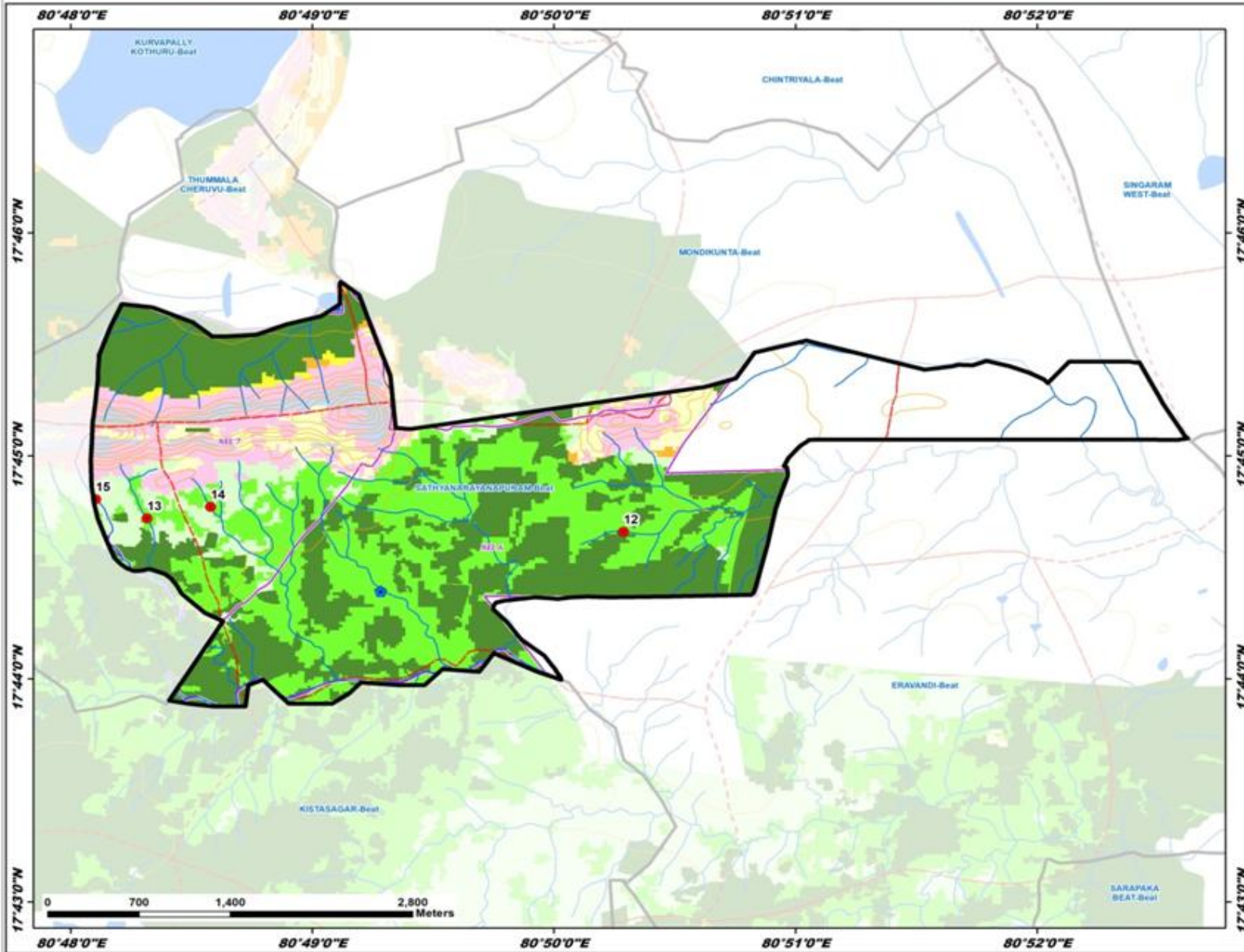
**Suitability Index**

- CCTs/STs - Highly Suitable
- CCTs/STs - Moderately Suitable
- CCTs/STs - 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 Sathyanarayanapuram Beat



Division : Manuguru  
Range : Aswapuram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
12	17.744345	80.838134	7.50	I
13	17.745347	80.805259	31.95	III
14	17.746213	80.809643	11.10	IV
15	17.746781	80.801710	12.91	IV

**LEGEND**

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

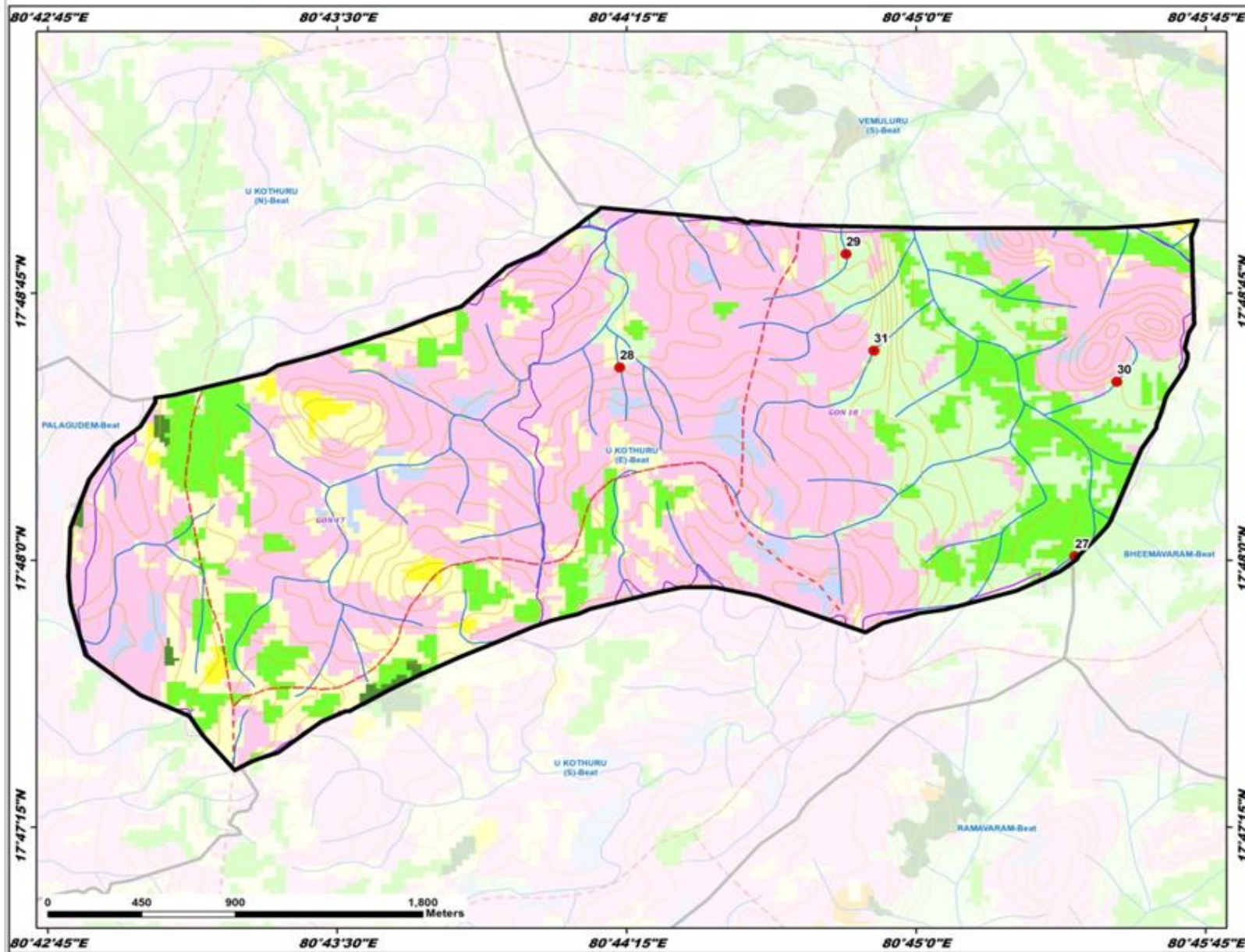
**Suitability Index**

- CCTs/STCs - Highly Suitable
- CCTs/STCs - Moderately Suitable
- CCTs/STCs - 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 U Kothuru East Beat



Division : Manuguru  
Range : Aswapuram



ID	Latitude	Longitude	Catchment Area_Na	PRIORITY
27	17.800186	80.756862	23.31	II
28	17.809035	80.737211	5.68	IV
29	17.814338	80.746985	8.96	IV
30	17.808356	80.758682	9.29	IV
31	17.809825	80.748177	36.71	V

**LEGEND**

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

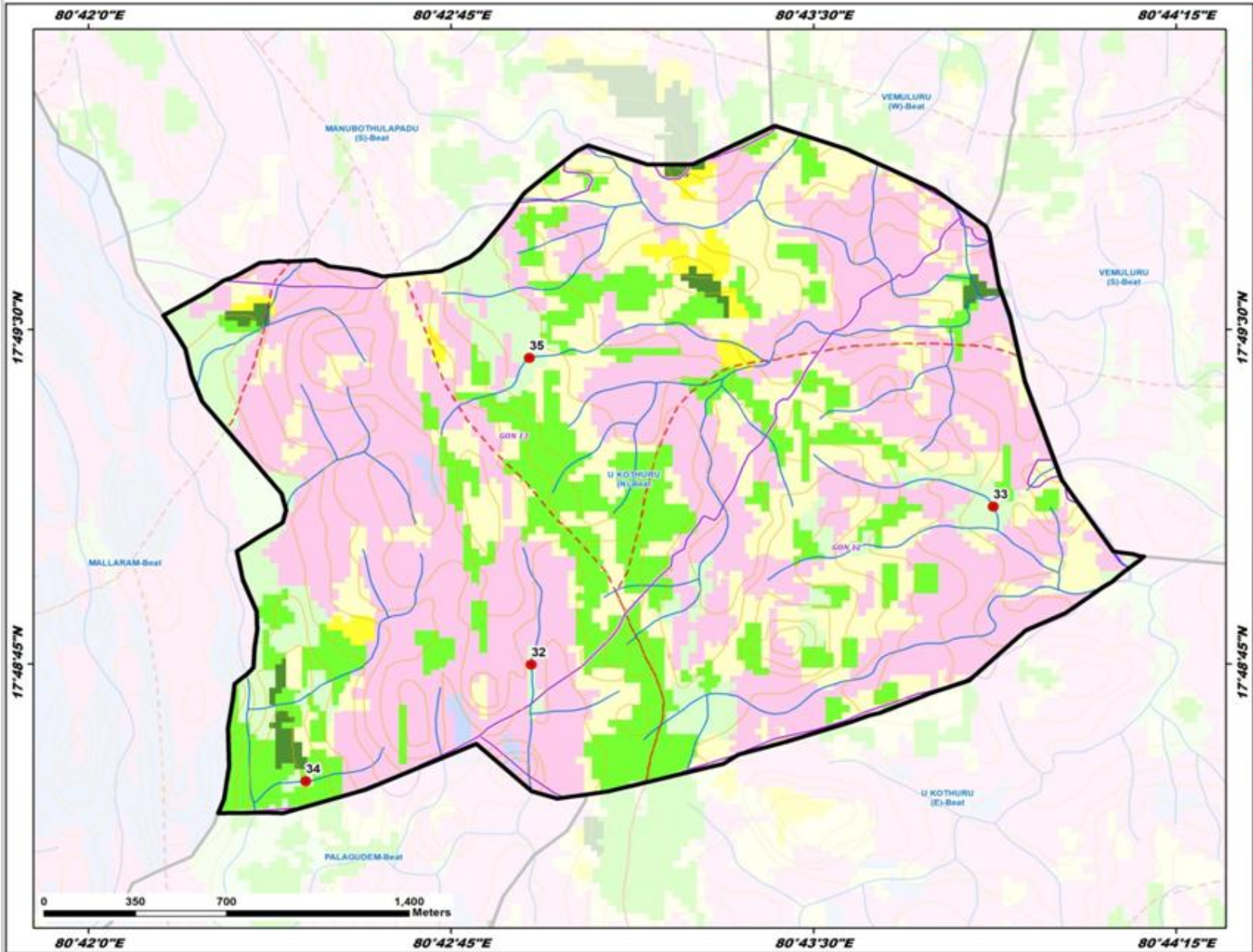
**Suitability Index**

- 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 U Kothuru North Beat



Division : Manuguru  
Range : Aswapuram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
32	17.812478	80.715264	23.31	IV
33	17.818380	80.731199	17.16	IV
34	17.808123	80.707488	10.85	IV
35	17.823936	80.715207	25.04	V

**LEGEND**

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

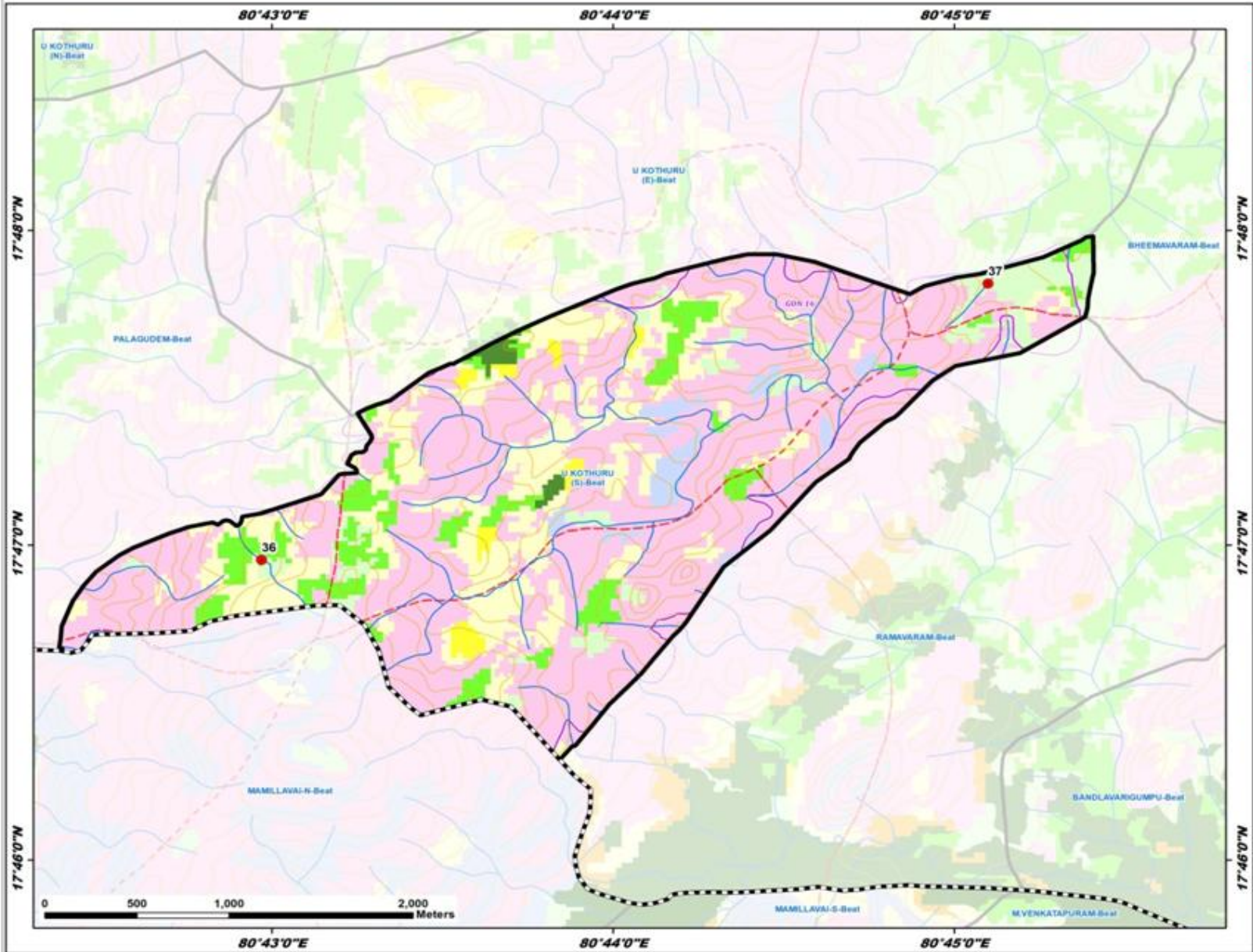
**Suitability Index**

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

# Map Showing Suitability index for Construction of SMC Works of U Kothuru South Beat



Division : Manuguru  
Range : Aswapuram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
36	17.782563	80.716164	17.74	II
37	17.797190	80.751648	10.67	IV

**LEGEND**

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

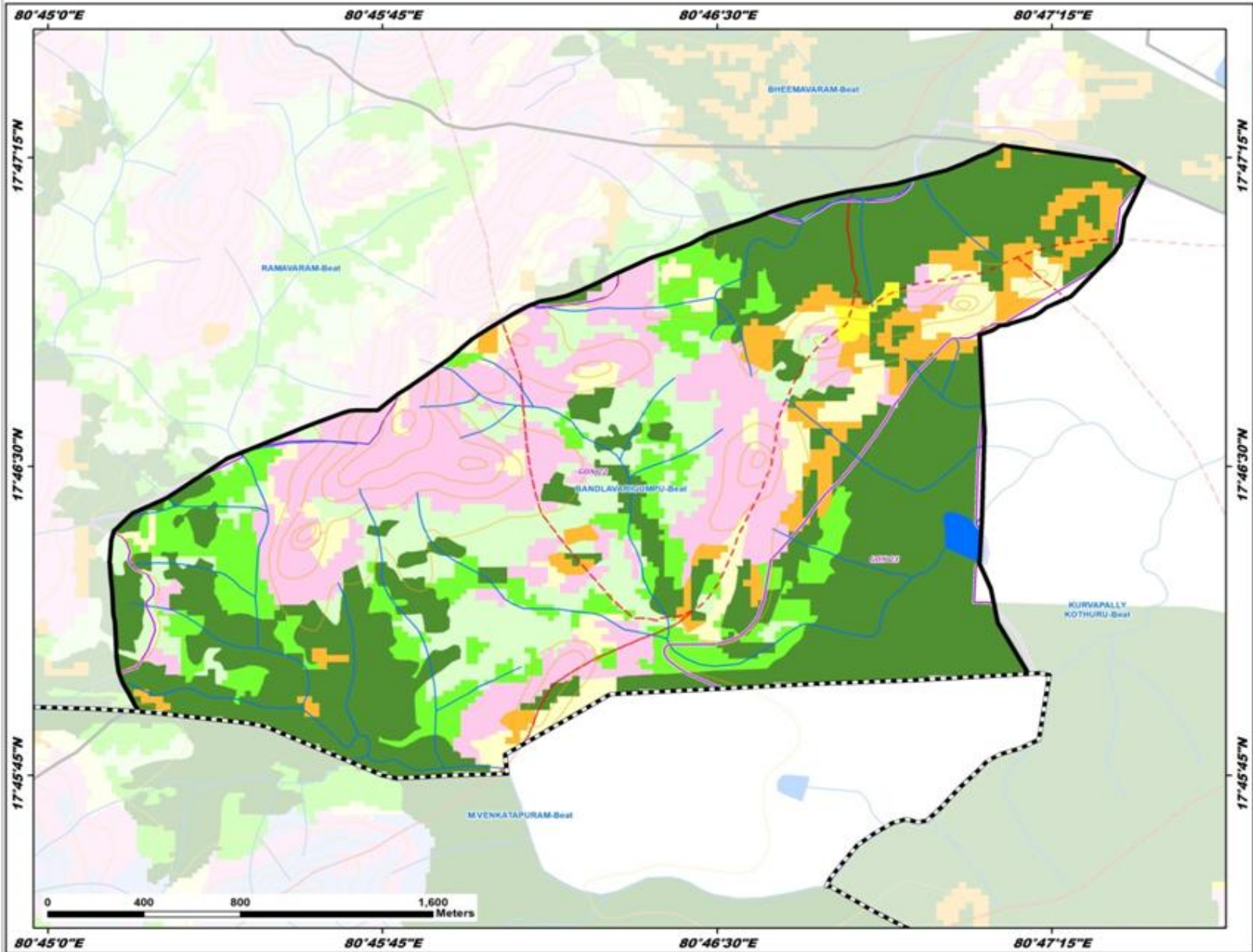
**Suitability Index**

- 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 Bandlavarigumpu Beat



Division : Manuguru  
Range : Aswapuram



**LEGEND**

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

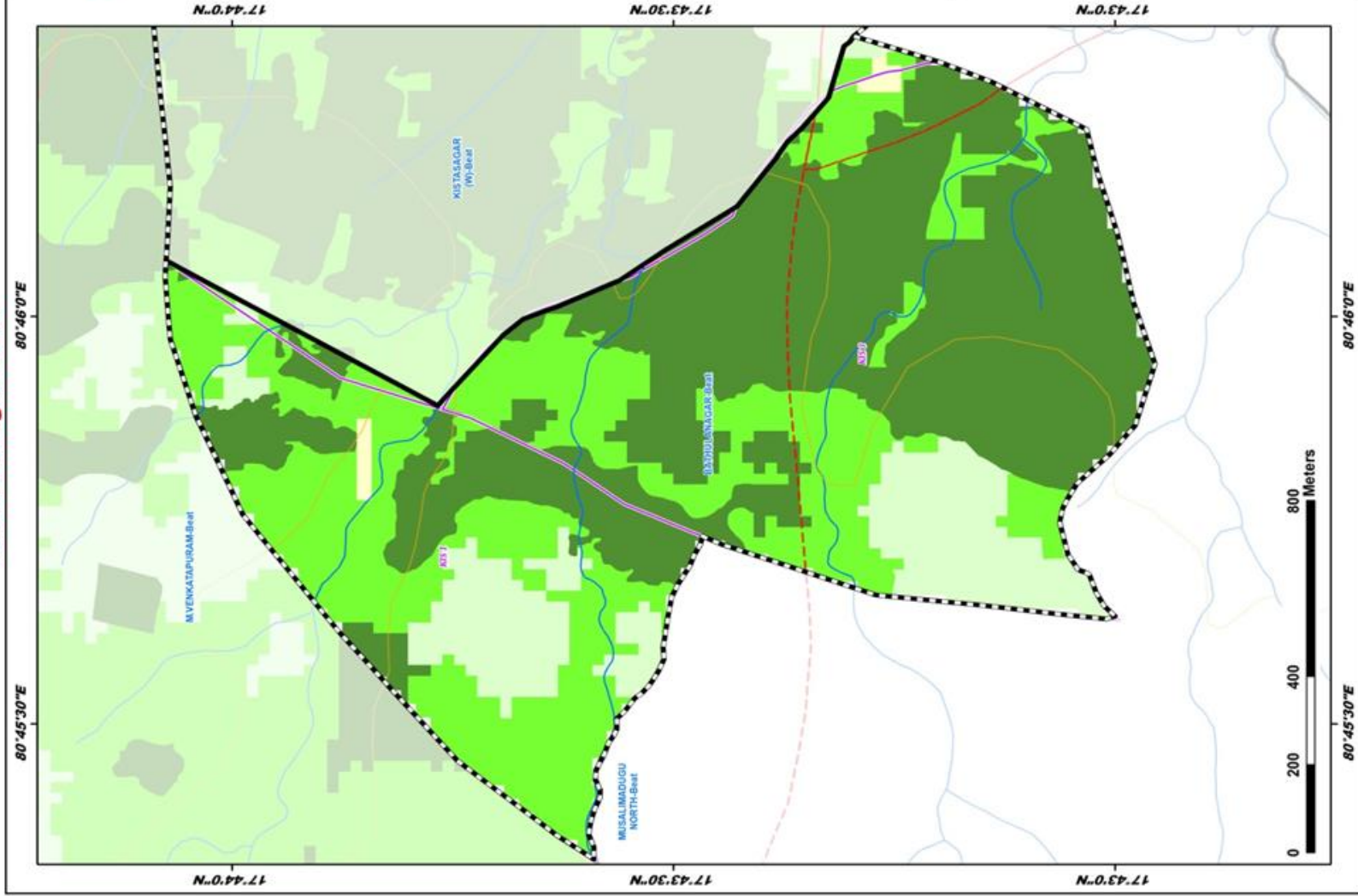
**Suitability Index**

- 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 Bathulanagar Beat



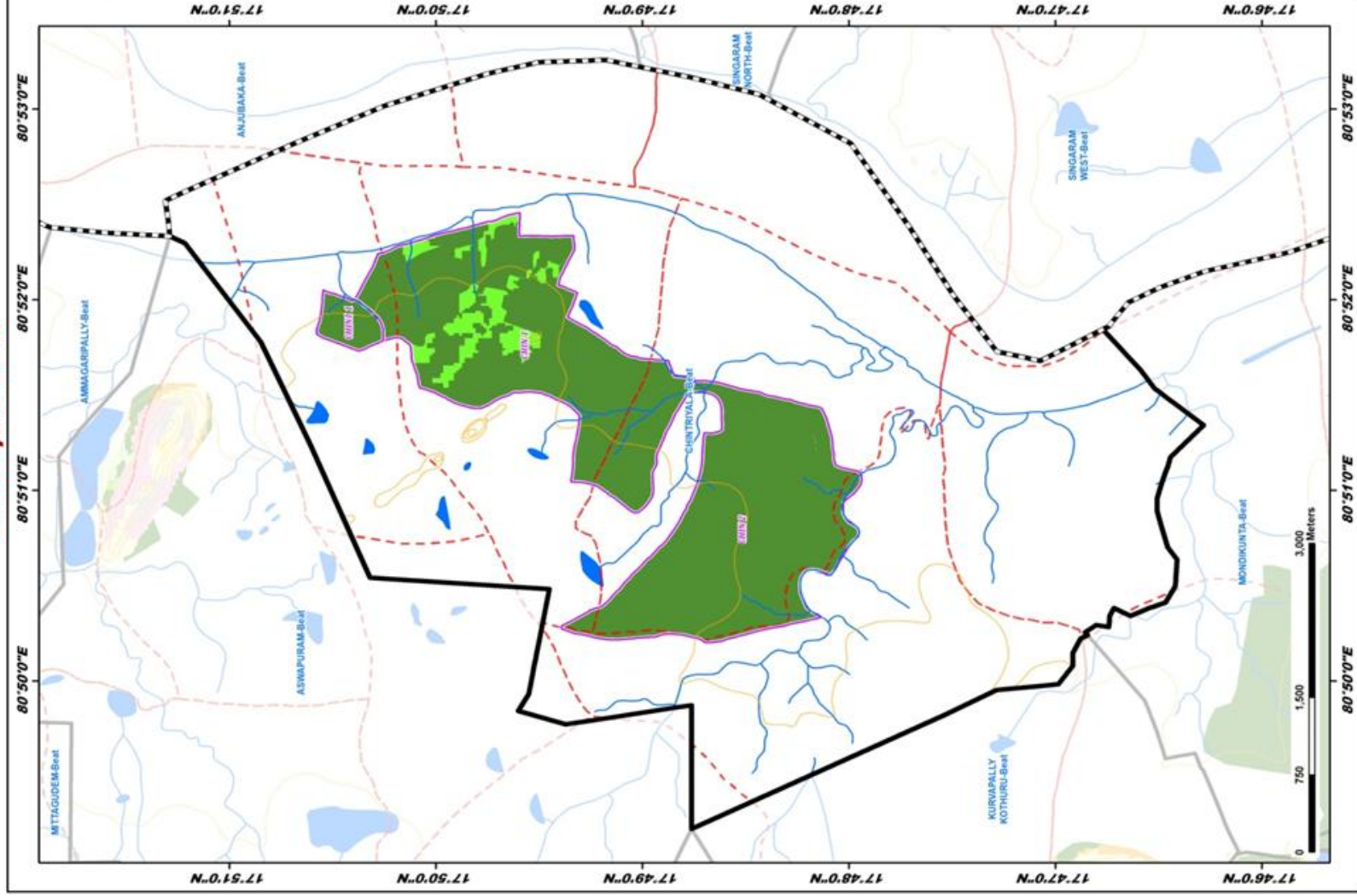
Division : Manuguru  
Range : Aswapuram



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



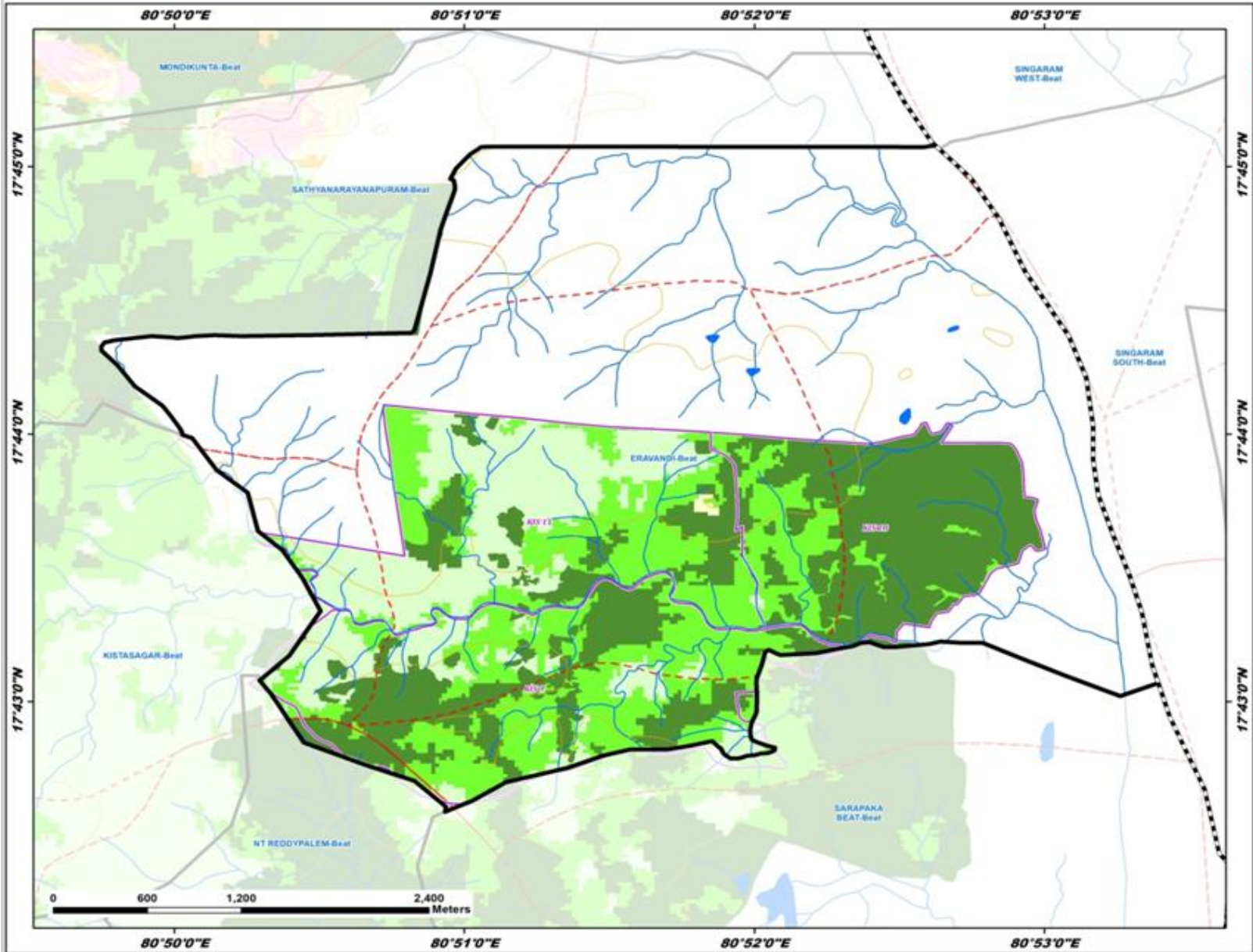
Division : Manuguru  
Range : Aswapuram



# Map Showing Suitability index for Construction of SMC Works of Eravandi Beat



Division : Manuguru  
Range : Aswapuram



**LEGEND**

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

**Suitability Index**

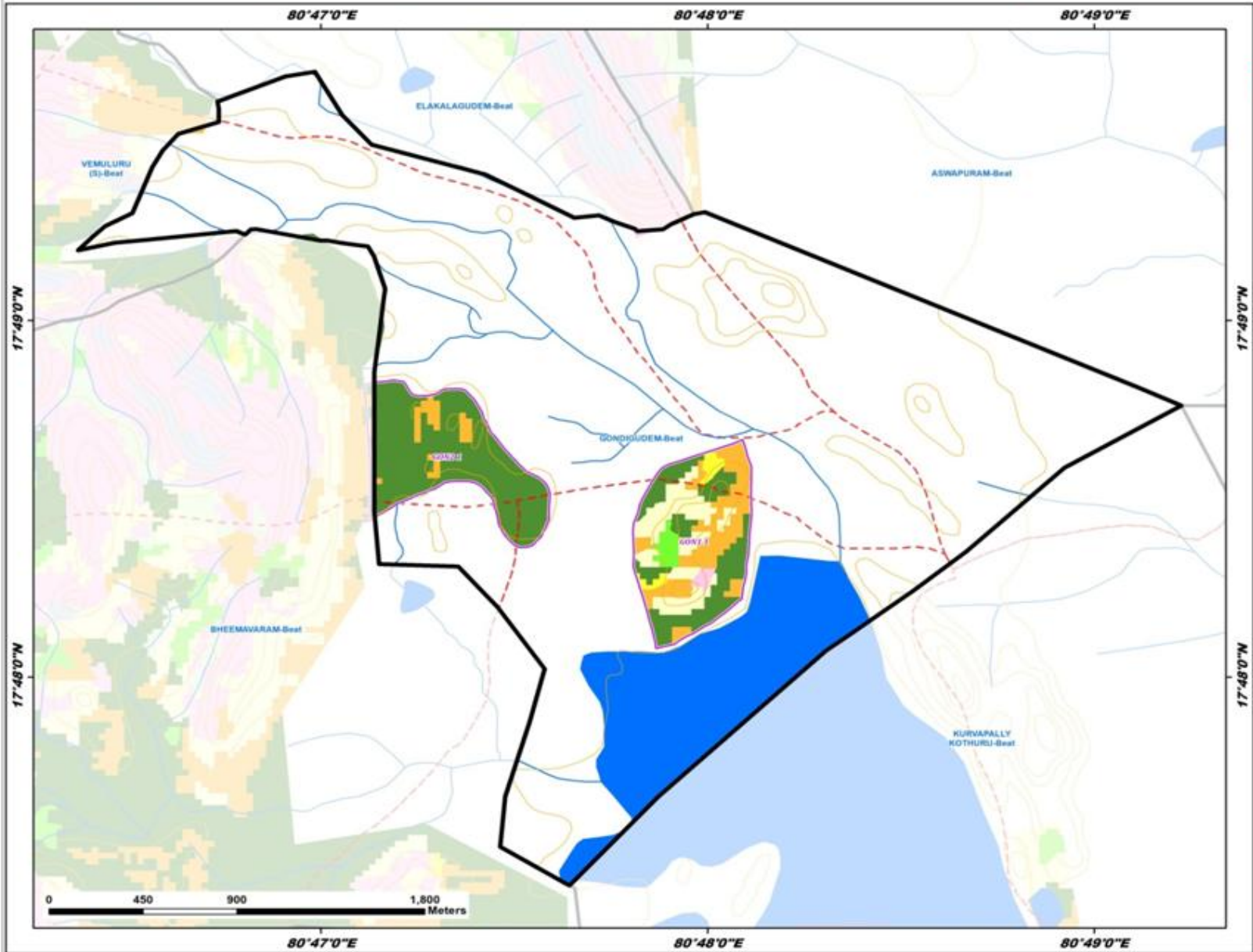
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability index for Construction of SMC Works of Gondigudem Beat



Division : Manuguru  
Range : Aswapuram



**LEGEND**

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

**Suitability Index**

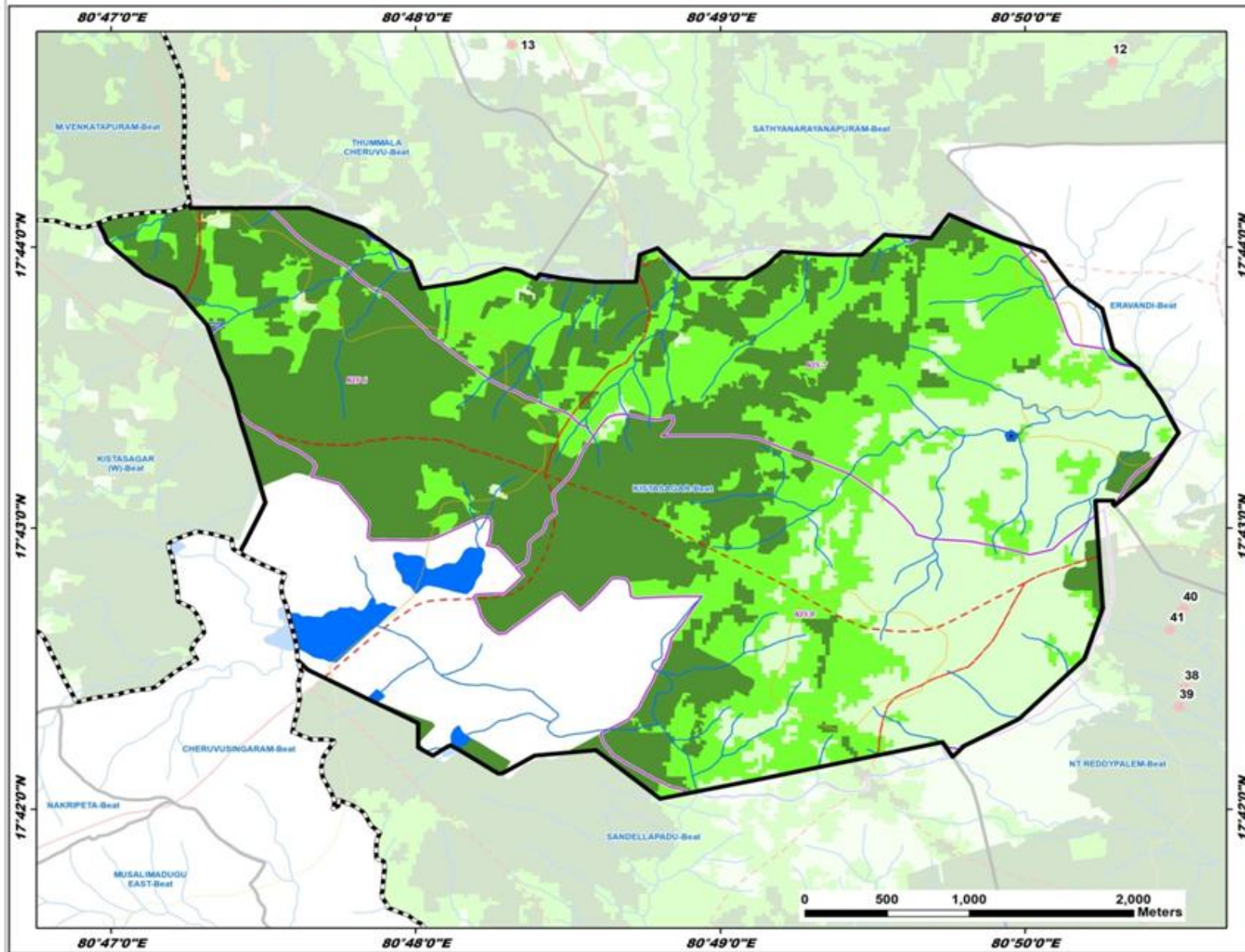
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability index for Construction of SMC Works of Kistasagar Beat



Division : Manuguru  
Range : Aswapuram



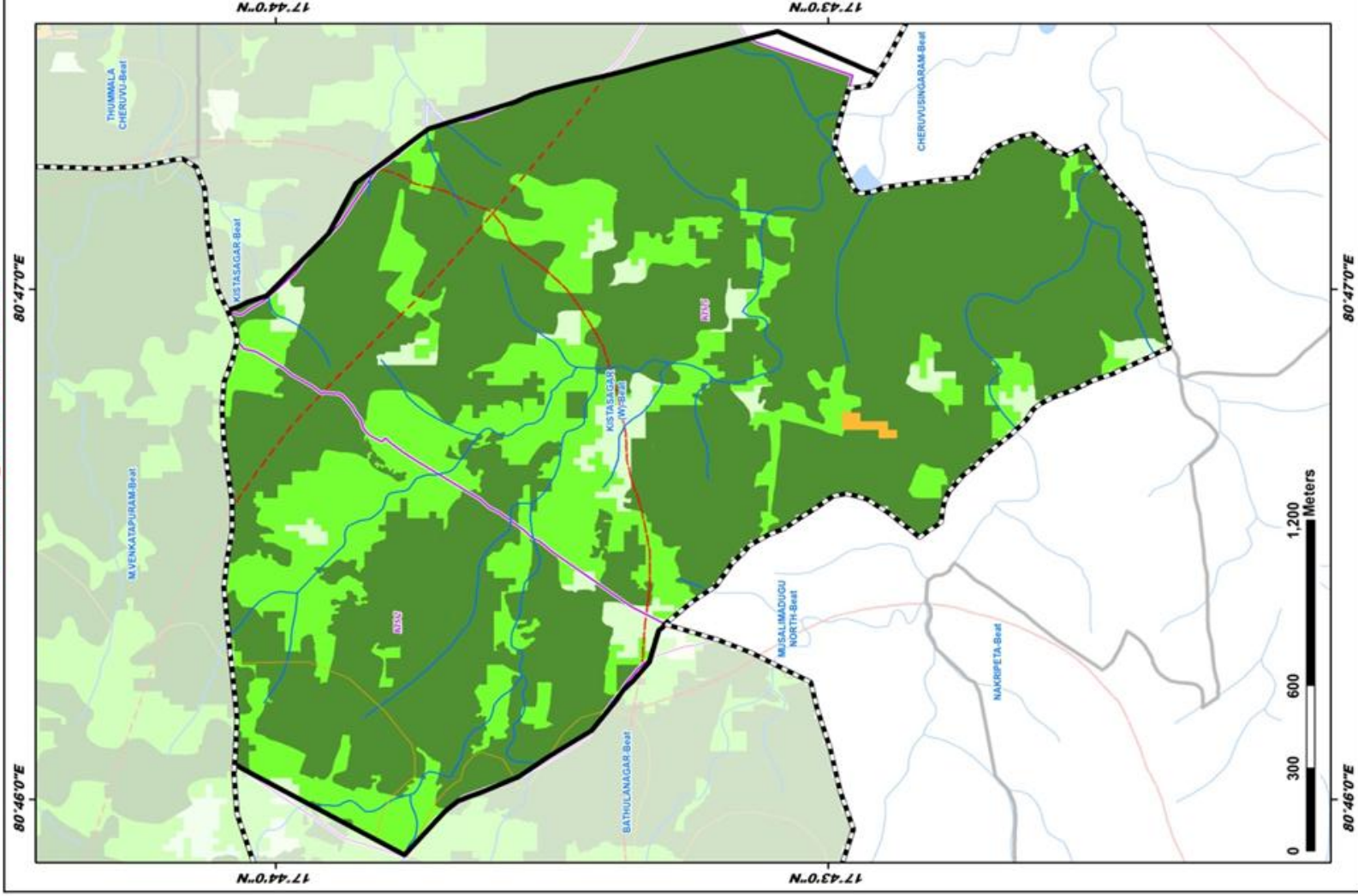
**LEGEND**

- 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 Kistasagar West Beat



Division : Manuguru  
Range : Aswapuram



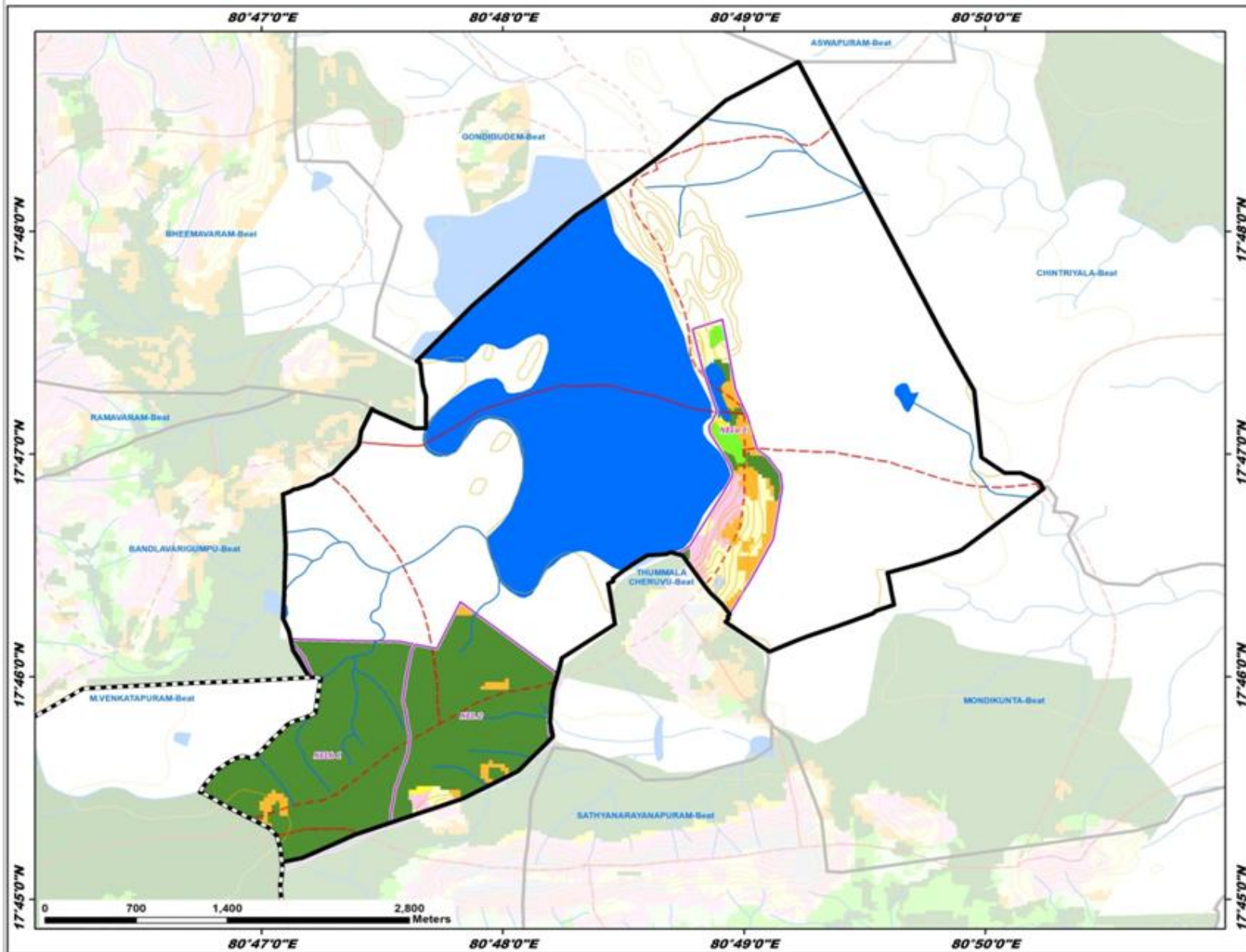
**LEGEND**

- 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 Kurvapally Kothuru Beat



Division : Manuguru  
Range : Aswapuram



**LEGEND**

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

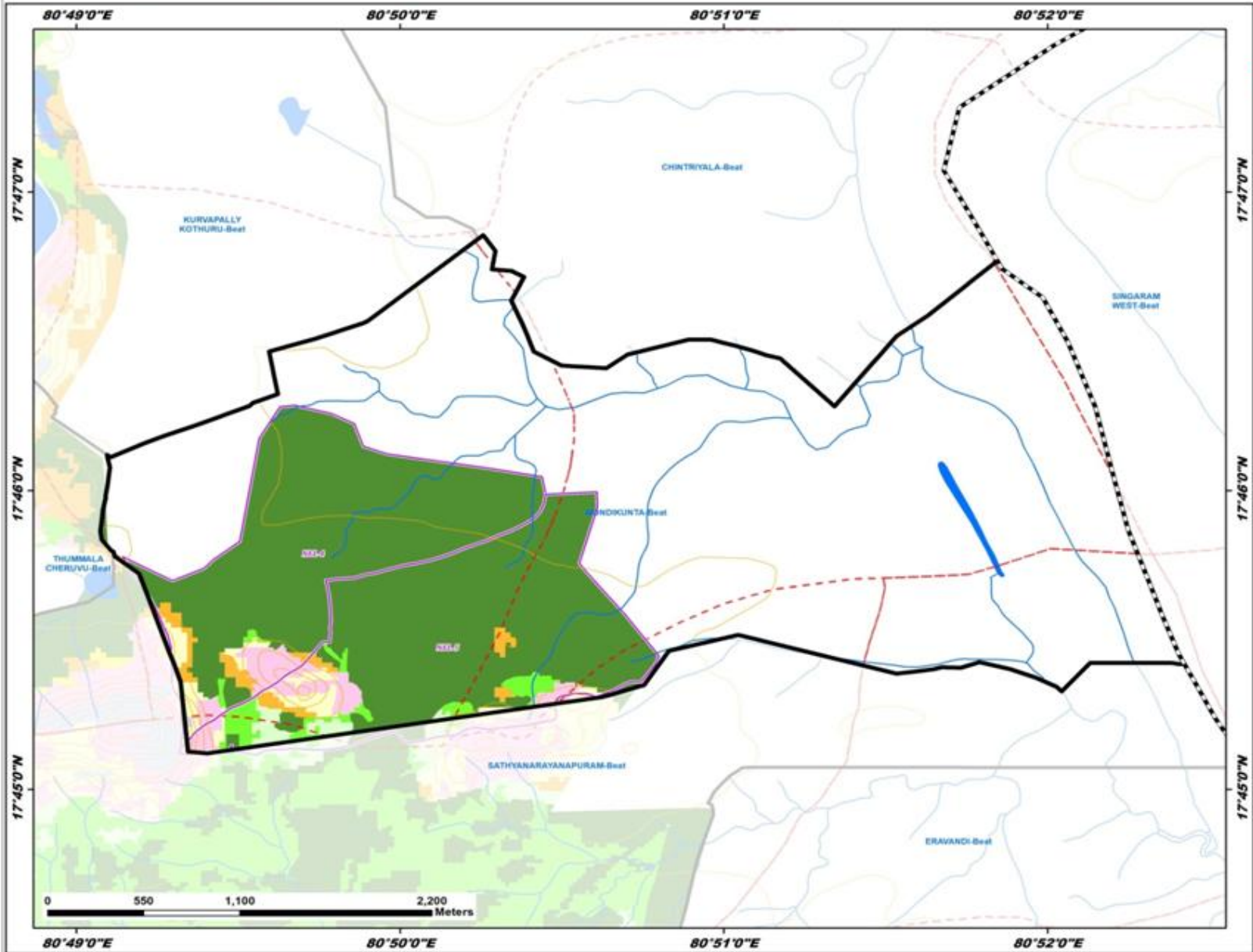
**Suitability Index**

- 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 Mondikunta Beat



Division : Manuguru  
Range : Aswapuram

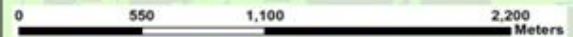


**LEGEND**

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

**Suitability Index**

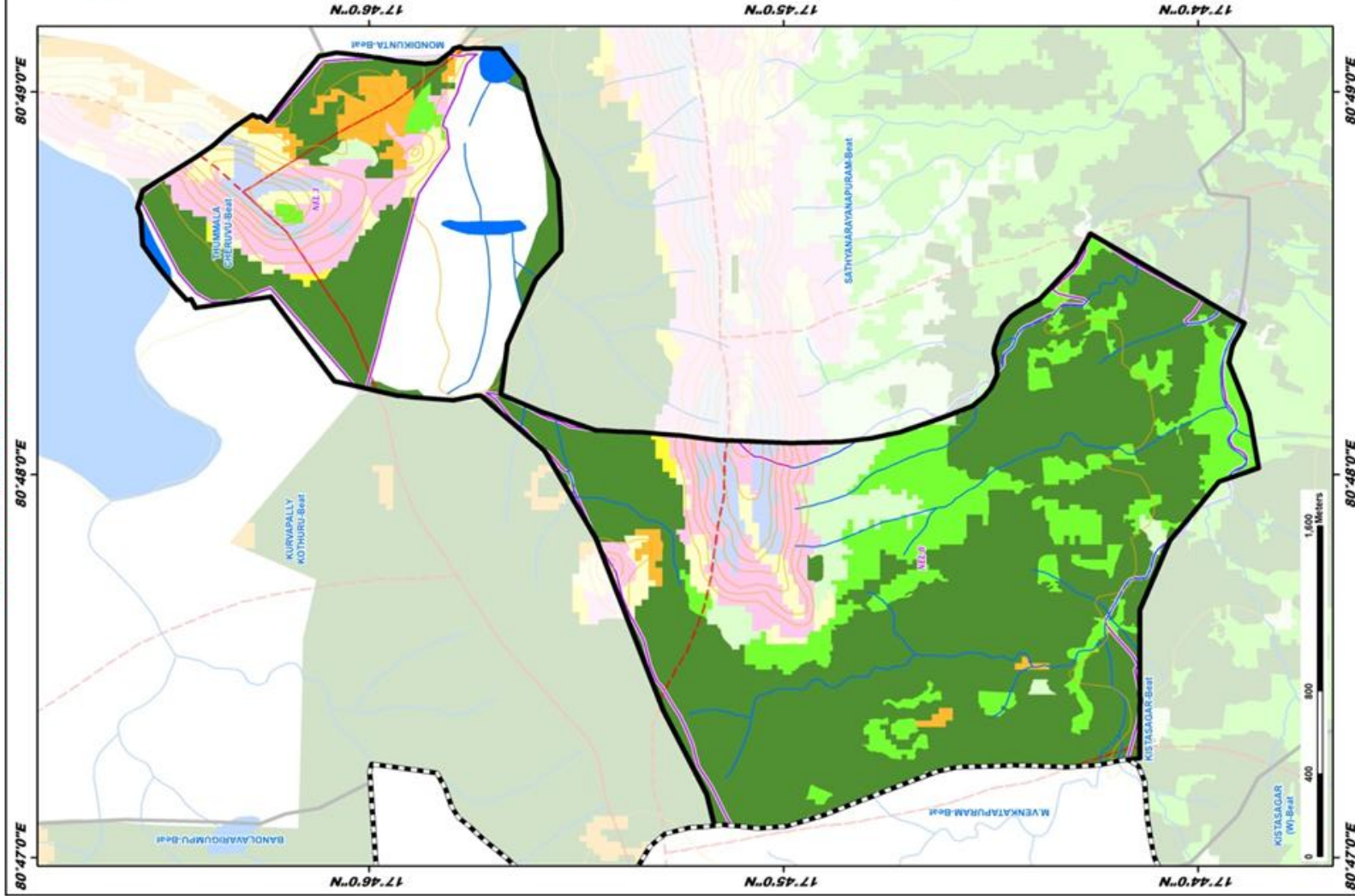
- CCTs/STCs - Highly Suitable
- CCTs/STCs - Moderately Suitable
- CCTs/STCs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability Index for Construction of SMC Works of Thummala Cheruvu Beat



Division : Manuguru  
Range : Aswapuram



- LEGEND**
- 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

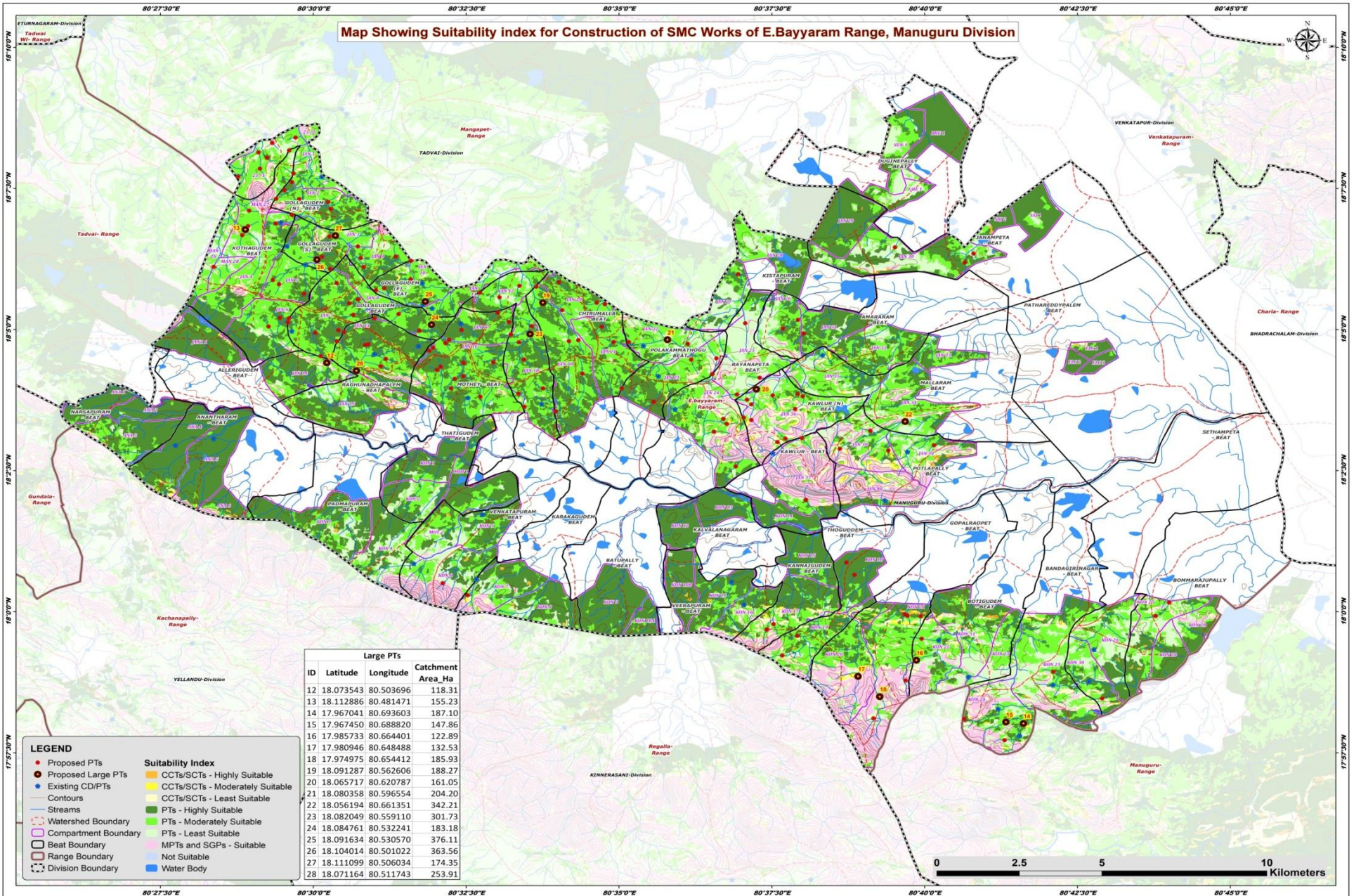
# Map Showing E.Bayyaram Range in Manuguru Division



**Legend**

- Division Boundary
- Range Boundary

### Map Showing Suitability index for Construction of SMC Works of E.Bayyaram Range, Manuguru Division

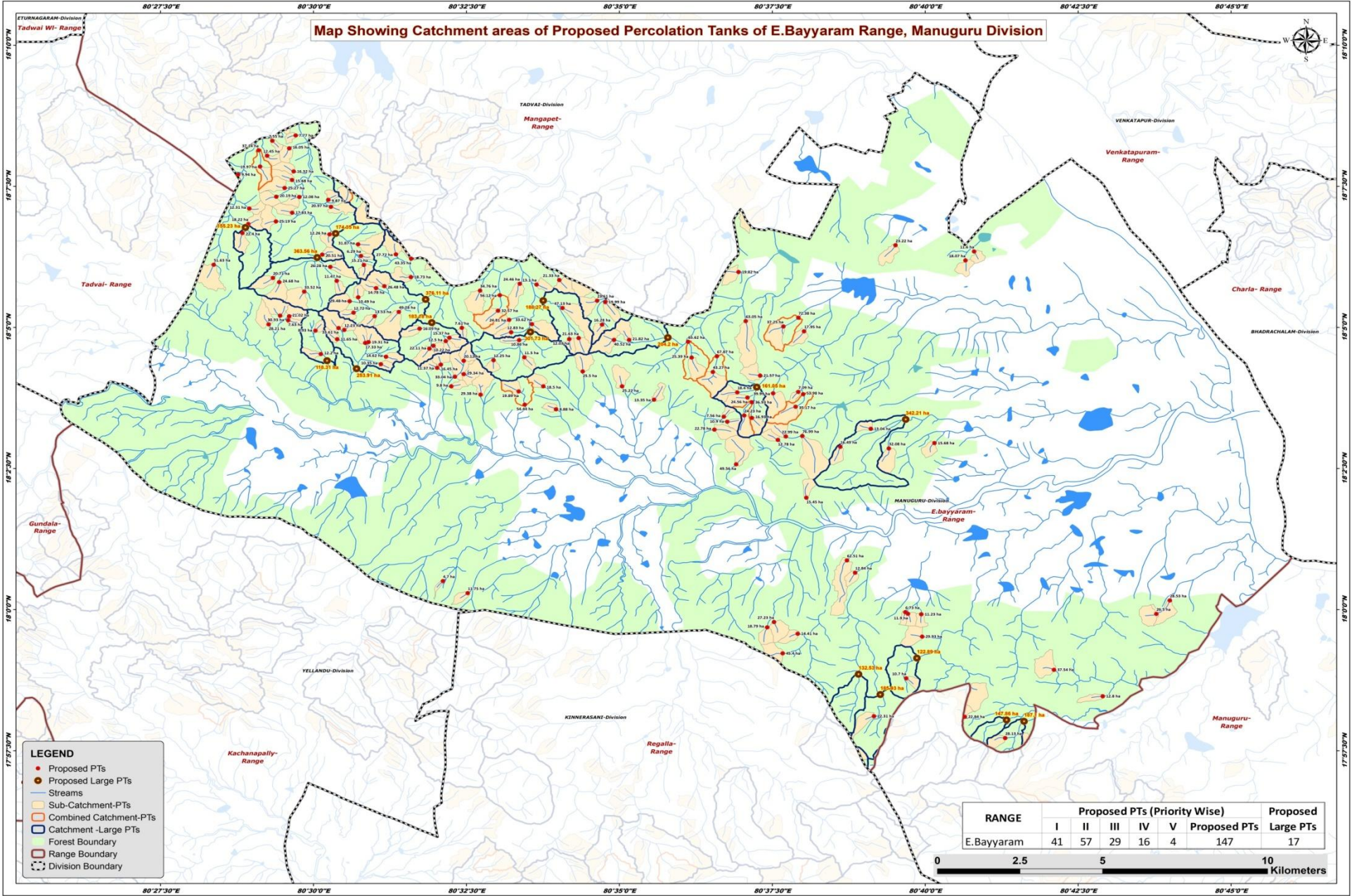


Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
12	18.073543	80.503696	118.31
13	18.112886	80.481471	155.23
14	17.967041	80.693603	187.10
15	17.967450	80.688820	147.86
16	17.985733	80.664401	122.89
17	17.980946	80.648488	132.53
18	17.974975	80.654412	185.93
19	18.091287	80.562606	188.27
20	18.065717	80.620787	161.05
21	18.080358	80.596554	204.20
22	18.056194	80.661351	342.21
23	18.082049	80.559110	301.73
24	18.084761	80.532241	183.18
25	18.091634	80.530570	376.11
26	18.104014	80.501022	363.56
27	18.111099	80.506034	174.35
28	18.071164	80.511743	253.91

- 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 E.Bayyaram Range, Manuguru 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 PTs	Proposed Large PTs
	I	II	III	IV	V		
E.Bayyaram	41	57	29	16	4	147	17



## Beat wise Abstract of Proposed PT's – E. Bayyaram Range

S. No.	Beat	Proposed PT's
1	AMARARAM	3
2	AREMVARIGUMPU	10
3	BANDAGIRINAGAR	3
4	BOMMARAJUPALLY	2
5	BOTIGUDEM	1
6	CHIRUMALLA	12
7	GOLLAGUDEM	11
8	GOLLAGUDEM(EAST)	4
9	GOLLAGUDEM(NORTH)	14
10	GOLLAGUDEM(SOUTH)	7
11	GOPALRAOPET	5
12	JANAMPETA	3
13	KANNAIGUDEM	2
14	KARAKAGUDEM	1
15	KAWLUR	2
16	KAWLUR(NORTH)	10
17	KISTAPURAM	1
18	KOTHAGUDEM	12
19	MOTHEY	15
20	POLAKAMMATHOGU	5
21	POTLAPALLY	4
22	RAGHUNADHAPALEM	6
23	RAYANAPETA	8
24	SETHAMPETA	1
25	THOGUDEM	4
26	VENKATAPURAM	1
	<b>Total</b>	<b>147</b>

## List of Proposed PTs – E.Bayyaram 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
44	18.086662	80.493373	21.02	I	KOTHAGUDEM	84	18.033085	80.634278	15.45	II	KAWLUR	124	18.065981	80.562639	18.50	I	AREMVARIGUMPU
45	18.093911	80.497504	33.52	II	KOTHAGUDEM	85	18.051309	80.633194	76.99	IV	KAWLUR	125	18.084342	80.559520	33.62	II	AREMVARIGUMPU
46	18.097974	80.488976	20.71	II	KOTHAGUDEM	86	18.064305	80.632081	7.09	I	KAWLUR(NORTH)	126	18.064449	80.555926	19.89	II	AREMVARIGUMPU
47	18.086848	80.490909	30.93	II	KOTHAGUDEM	87	18.050143	80.626526	12.78	II	KAWLUR(NORTH)	127	18.079617	80.556063	10.86	II	AREMVARIGUMPU
48	18.096722	80.490679	24.68	II	KOTHAGUDEM	88	18.051163	80.628678	22.99	II	KAWLUR(NORTH)	128	18.074543	80.557444	11.50	II	AREMVARIGUMPU
49	18.118462	80.482533	12.31	II	KOTHAGUDEM	89	18.057362	80.617353	24.23	II	KAWLUR(NORTH)	129	18.094225	80.545385	34.76	III	AREMVARIGUMPU
50	18.113890	80.482233	18.22	II	KOTHAGUDEM	90	18.063897	80.625249	39.99	III	KAWLUR(NORTH)	130	18.096266	80.556225	24.46	IV	AREMVARIGUMPU
51	18.111230	80.480650	22.40	II	KOTHAGUDEM	91	18.059944	80.631364	35.17	III	KAWLUR(NORTH)	131	18.092867	80.550773	56.12	IV	AREMVARIGUMPU
52	18.117227	80.494214	17.83	II	KOTHAGUDEM	92	18.062637	80.618258	24.56	IV	KAWLUR(NORTH)	132	18.060551	80.557571	54.44	V	AREMVARIGUMPU
53	18.084262	80.487810	28.21	III	KOTHAGUDEM	93	18.056641	80.619440	16.93	IV	KAWLUR(NORTH)	133	18.077115	80.531597	22.11	I	MOTHEY
54	18.114664	80.489771	25.19	III	KOTHAGUDEM	94	18.061267	80.619442	36.93	III	KAWLUR(NORTH)	134	18.072361	80.534721	16.45	I	MOTHEY
55	18.101870	80.472825	51.63	IV	KOTHAGUDEM	95	18.063648	80.633409	53.98	IV	KAWLUR(NORTH)	135	18.080317	80.537024	15.37	I	MOTHEY
56	17.968387	80.677468	22.84	I	BANDAGIRINAGAR	96	18.062037	80.592787	13.35	I	POLAKAMMATHOGU	136	18.073520	80.540958	20.12	I	MOTHEY
57	17.982271	80.701742	37.54	III	BANDAGIRINAGAR	97	18.079658	80.586009	21.82	I	POLAKAMMATHOGU	137	18.083238	80.540443	7.61	I	MOTHEY
58	17.962126	80.688443	28.13	III	BANDAGIRINAGAR	98	18.074448	80.603022	25.39	III	POLAKAMMATHOGU	138	18.071419	80.533710	11.37	I	MOTHEY
59	17.998790	80.729642	26.50	II	BOMMARAJUPALLY	99	18.079110	80.602065	65.62	IV	POLAKAMMATHOGU	139	18.077953	80.532672	10.22	I	MOTHEY
60	18.002752	80.733295	28.53	III	BOMMARAJUPALLY	100	18.074842	80.609908	67.87	V	POLAKAMMATHOGU	140	18.085609	80.553314	24.81	I	MOTHEY
61	17.992061	80.665836	29.93	III	BOTIGUDEM	101	18.049211	80.669189	15.68	II	POTLAPALLY	141	18.068802	80.538549	33.04	II	MOTHEY
62	17.999301	80.661232	6.73	I	GOPALRAOPET	102	18.048105	80.643546	16.49	II	POTLAPALLY	142	18.079320	80.536044	12.50	II	MOTHEY
63	17.998792	80.661970	11.90	I	GOPALRAOPET	103	18.047627	80.656769	32.08	III	POTLAPALLY	143	18.088298	80.550289	32.57	II	MOTHEY
64	17.998660	80.665586	11.23	II	GOPALRAOPET	104	18.053418	80.651842	13.04	IV	POTLAPALLY	144	18.065949	80.537539	9.80	II	MOTHEY
65	17.979760	80.661495	10.70	IV	GOPALRAOPET	105	18.064190	80.615461	18.40	II	RAYANAPETA	145	18.073683	80.549052	12.25	II	MOTHEY
66	17.968567	80.652727	22.31	IV	GOPALRAOPET	106	18.053194	80.609240	22.78	II	RAYANAPETA	146	18.069573	80.540958	29.34	III	MOTHEY
67	17.974456	80.715052	12.80	II	SETHAMPETA	107	18.055505	80.612733	10.90	II	RAYANAPETA	147	18.063498	80.545520	29.38	III	MOTHEY
68	18.010926	80.647588	12.84	I	THOGUDEM	108	18.056974	80.611796	7.56	II	RAYANAPETA	148	18.008477	80.535286	4.70	IV	VENKATAPURAM
69	17.992916	80.631943	14.41	I	THOGUDEM	109	18.070208	80.608807	43.27	III	RAYANAPETA	149	18.085464	80.493111	7.63	I	GOLLAGUDEM
70	18.014566	80.645337	62.51	III	THOGUDEM	110	18.042943	80.615168	49.56	III	RAYANAPETA	150	18.079862	80.506477	11.65	I	GOLLAGUDEM
71	17.987117	80.627844	45.40	III	THOGUDEM	111	18.069135	80.621711	21.57	IV	RAYANAPETA	151	18.092235	80.512197	10.49	I	GOLLAGUDEM
72	18.097365	80.566995	21.33	I	CHIRUMALLA	112	18.085220	80.617750	63.05	V	RAYANAPETA	152	18.087710	80.510933	12.72	I	GOLLAGUDEM
73	18.084198	80.578646	16.28	I	CHIRUMALLA	113	18.082206	80.633677	17.95	I	AMARARAM	153	18.082407	80.500539	8.93	I	GOLLAGUDEM
74	18.065952	80.584074	25.22	II	CHIRUMALLA	114	18.083638	80.628042	37.25	III	AMARARAM	154	18.097110	80.506353	11.47	I	GOLLAGUDEM
75	18.091242	80.577296	23.61	II	CHIRUMALLA	115	18.086227	80.632136	72.38	III	AMARARAM	155	18.075498	80.502028	12.20	II	GOLLAGUDEM
76	18.080206	80.572266	21.63	II	CHIRUMALLA	116	18.107620	80.658588	23.22	II	JANAMPETA	156	18.082979	80.528924	16.05	II	GOLLAGUDEM
77	18.096010	80.560789	13.10	II	CHIRUMALLA	117	18.103149	80.677619	18.07	II	JANAMPETA	157	18.091066	80.509876	29.48	II	GOLLAGUDEM
78	18.090843	80.579486	19.99	II	CHIRUMALLA	118	18.105785	80.680003	11.60	IV	JANAMPETA	158	18.083182	80.506845	33.61	II	GOLLAGUDEM
79	18.059178	80.566102	8.88	II	CHIRUMALLA	119	18.099702	80.615811	19.82	II	KISTAPURAM	159	18.087942	80.523254	49.28	III	GOLLAGUDEM
80	18.079679	80.581895	40.52	II	CHIRUMALLA	120	17.994803	80.623610	18.79	II	KANNAIGUDEM	160	18.098215	80.526563	18.73	I	GOLLAGUDEM(EAST)
81	18.089103	80.567839	47.13	III	CHIRUMALLA	121	17.996377	80.625487	27.23	V	KANNAIGUDEM	161	18.094965	80.517070	14.78	II	GOLLAGUDEM(EAST)
82	18.070346	80.573355	25.50	III	CHIRUMALLA	122	18.004922	80.542043	11.75	I	KARAKAGUDEM	162	18.103641	80.526630	43.35	III	GOLLAGUDEM(EAST)
83	18.079895	80.569682	12.03	IV	CHIRUMALLA	123	18.081927	80.553872	12.83	I	AREMVARIGUMPU	163	18.095533	80.519340	26.48	III	GOLLAGUDEM(EAST)

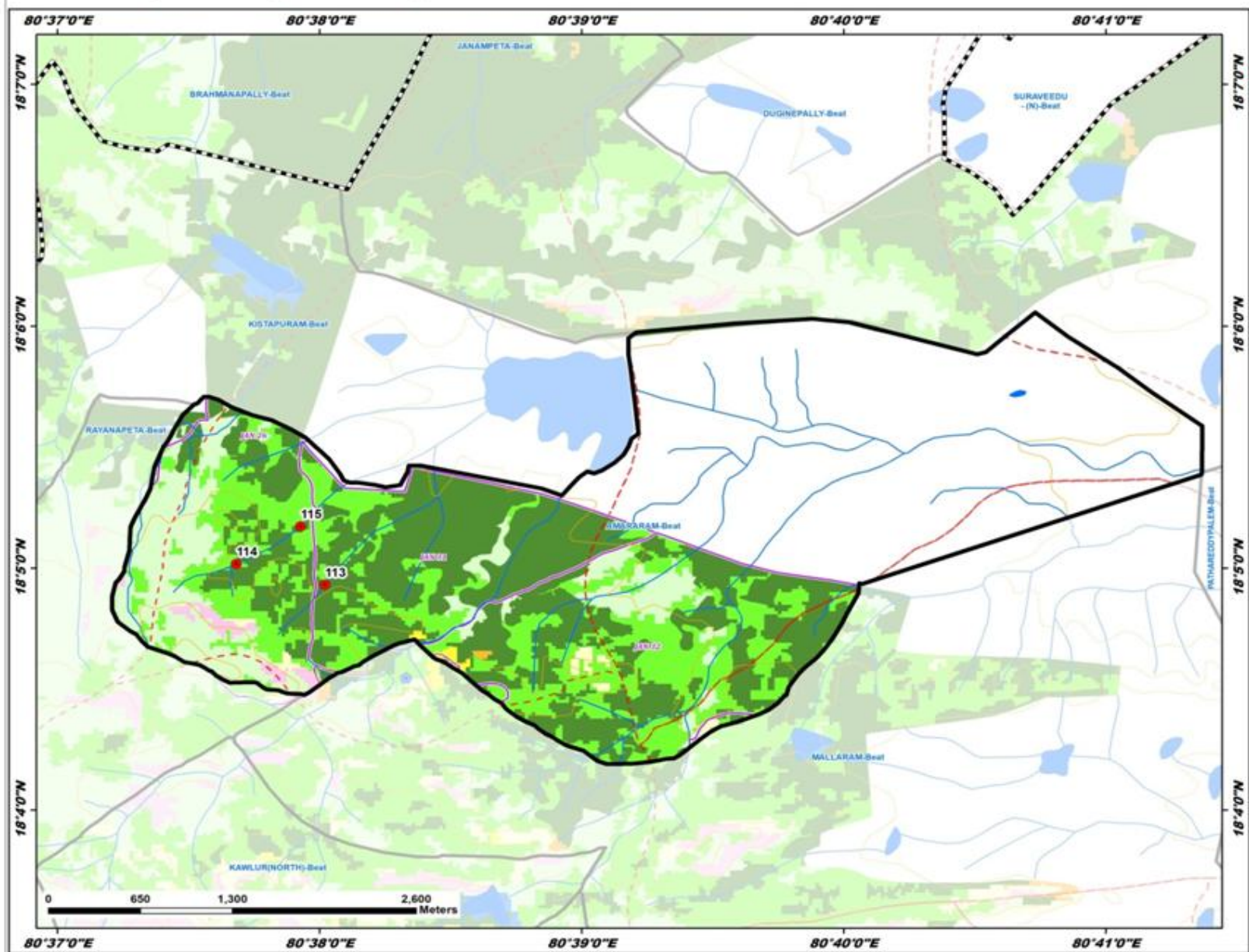
## List of Proposed PTs – E.Bayyaram Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
164	18.134047	80.487387	12.45	I	GOLLAGUDEM(NORTH)
165	18.126880	80.494169	15.68	I	GOLLAGUDEM(NORTH)
166	18.118960	80.504774	20.97	I	GOLLAGUDEM(NORTH)
167	18.140042	80.495154	7.77	II	GOLLAGUDEM(NORTH)
168	18.130859	80.485480	19.97	II	GOLLAGUDEM(NORTH)
169	18.129411	80.494601	16.32	II	GOLLAGUDEM(NORTH)
170	18.124507	80.492147	25.27	II	GOLLAGUDEM(NORTH)
171	18.121895	80.496174	12.08	II	GOLLAGUDEM(NORTH)
172	18.121964	80.489891	20.19	II	GOLLAGUDEM(NORTH)
173	18.138465	80.488790	7.55	II	GOLLAGUDEM(NORTH)
174	18.121040	80.504051	9.87	II	GOLLAGUDEM(NORTH)
175	18.136241	80.493430	16.05	II	GOLLAGUDEM(NORTH)
176	18.128488	80.479495	9.94	IV	GOLLAGUDEM(NORTH)
177	18.135660	80.485052	37.14	III	GOLLAGUDEM(NORTH)
178	18.104854	80.502404	20.51	I	GOLLAGUDEM(SOUTH)
179	18.110863	80.504368	12.26	I	GOLLAGUDEM(SOUTH)
180	18.101798	80.513722	15.21	I	GOLLAGUDEM(SOUTH)
181	18.104489	80.512951	6.29	II	GOLLAGUDEM(SOUTH)
182	18.107916	80.512145	31.87	III	GOLLAGUDEM(SOUTH)
183	18.101223	80.504593	26.28	III	GOLLAGUDEM(SOUTH)
184	18.104941	80.522465	27.72	III	GOLLAGUDEM(SOUTH)
185	18.078797	80.514128	17.33	I	RAGHUNADHAPALEM
186	18.082621	80.508396	12.23	I	RAGHUNADHAPALEM
187	18.079017	80.515003	19.31	I	RAGHUNADHAPALEM
188	18.072511	80.518358	10.35	I	RAGHUNADHAPALEM
189	18.086664	80.516698	13.53	I	RAGHUNADHAPALEM
190	18.074703	80.519778	14.62	II	RAGHUNADHAPALEM

# Map Showing Suitability index for Construction of SMC Works of Amararam Beat



Division : Manuguru  
Range : E.Bayyaram



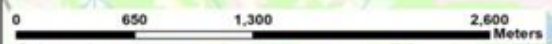
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
113	18.082206	80.633677	17.95	I
114	18.083638	80.628042	37.25	III
115	18.086227	80.632136	72.38	III

**LEGEND**

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

**Suitability Index**

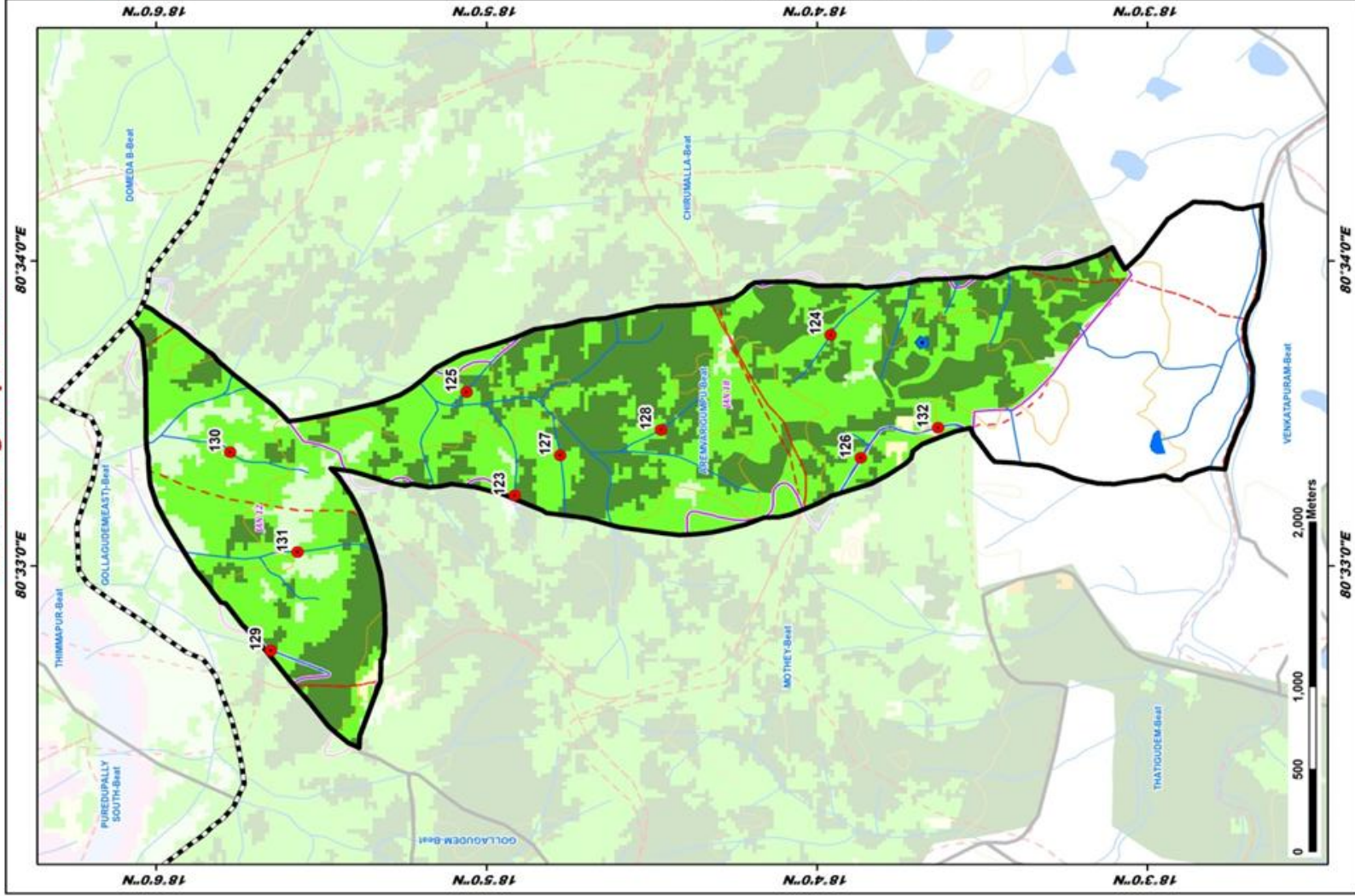
- CCTs/STCs - Highly Suitable
- CCTs/STCs - Moderately Suitable
- CCTs/STCs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Manuguru  
Range : E.Bayyarram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
123	18.081927	80.553872	12.83	I
124	18.065981	80.562639	18.50	I
125	18.084342	80.559520	33.62	II
126	18.064449	80.559926	19.89	III
127	18.079617	80.556063	10.86	III
128	18.074543	80.557444	11.50	III
129	18.094225	80.545385	34.76	III
130	18.096266	80.556225	24.46	IV
131	18.092867	80.550773	56.12	IV
132	18.060551	80.557571	54.44	V

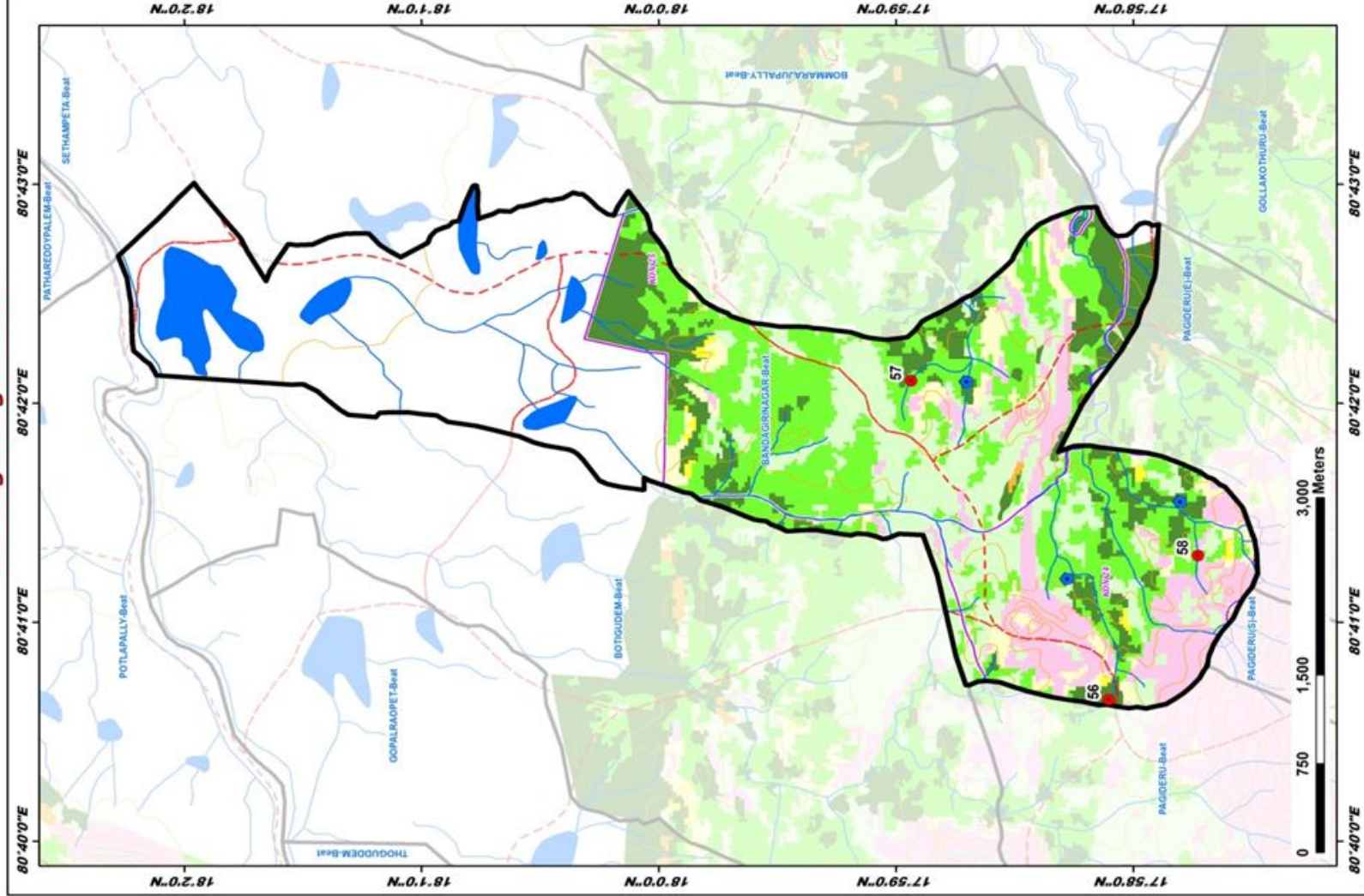
### LEGEND

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

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



Division : Manuguru  
Range : E.Bayyarram

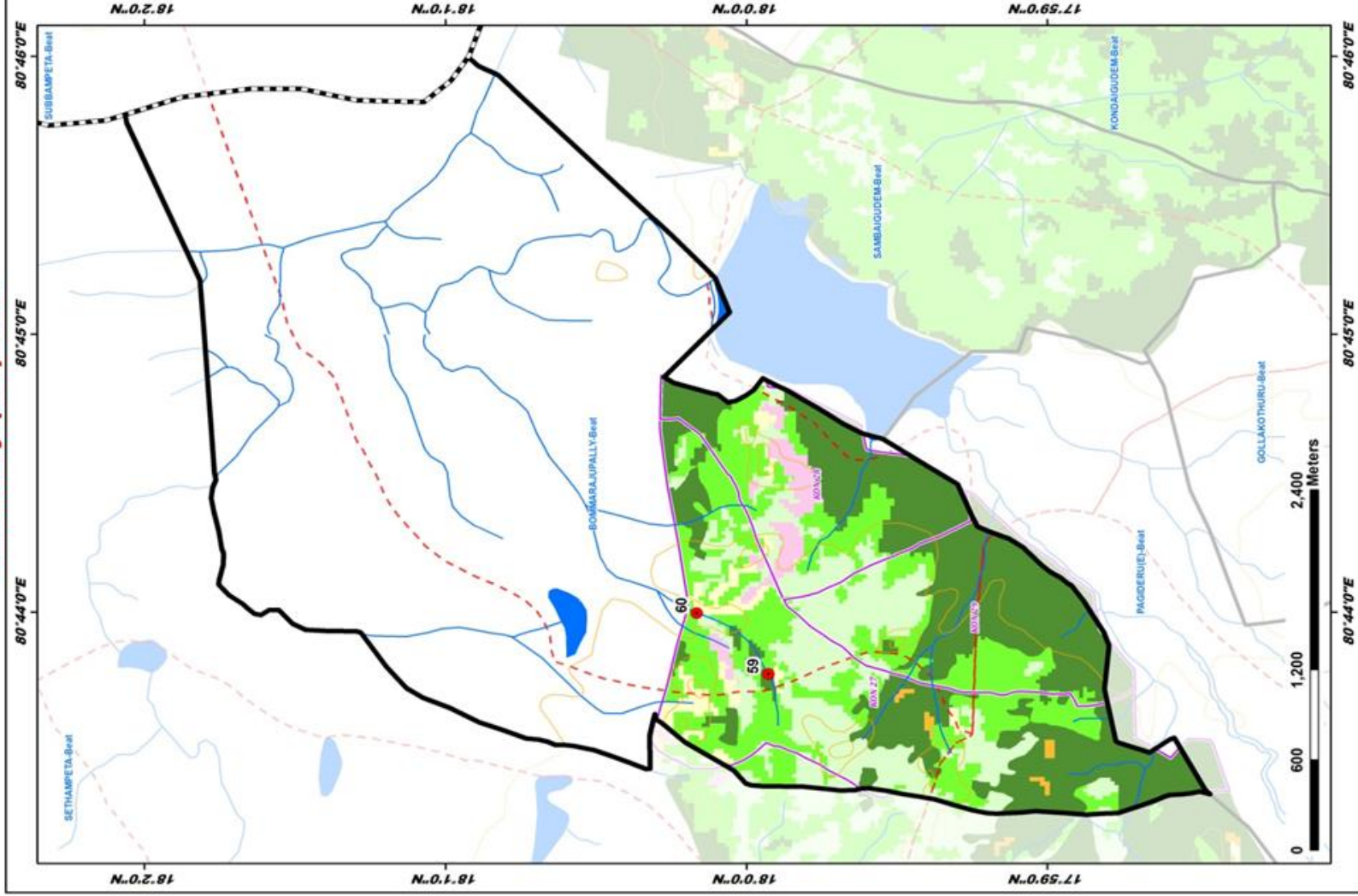


ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
56	17.968387	80.677668	22.84	I
57	17.982271	80.701742	37.54	III
58	17.962126	80.688443	28.13	III

## LEGEND

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

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

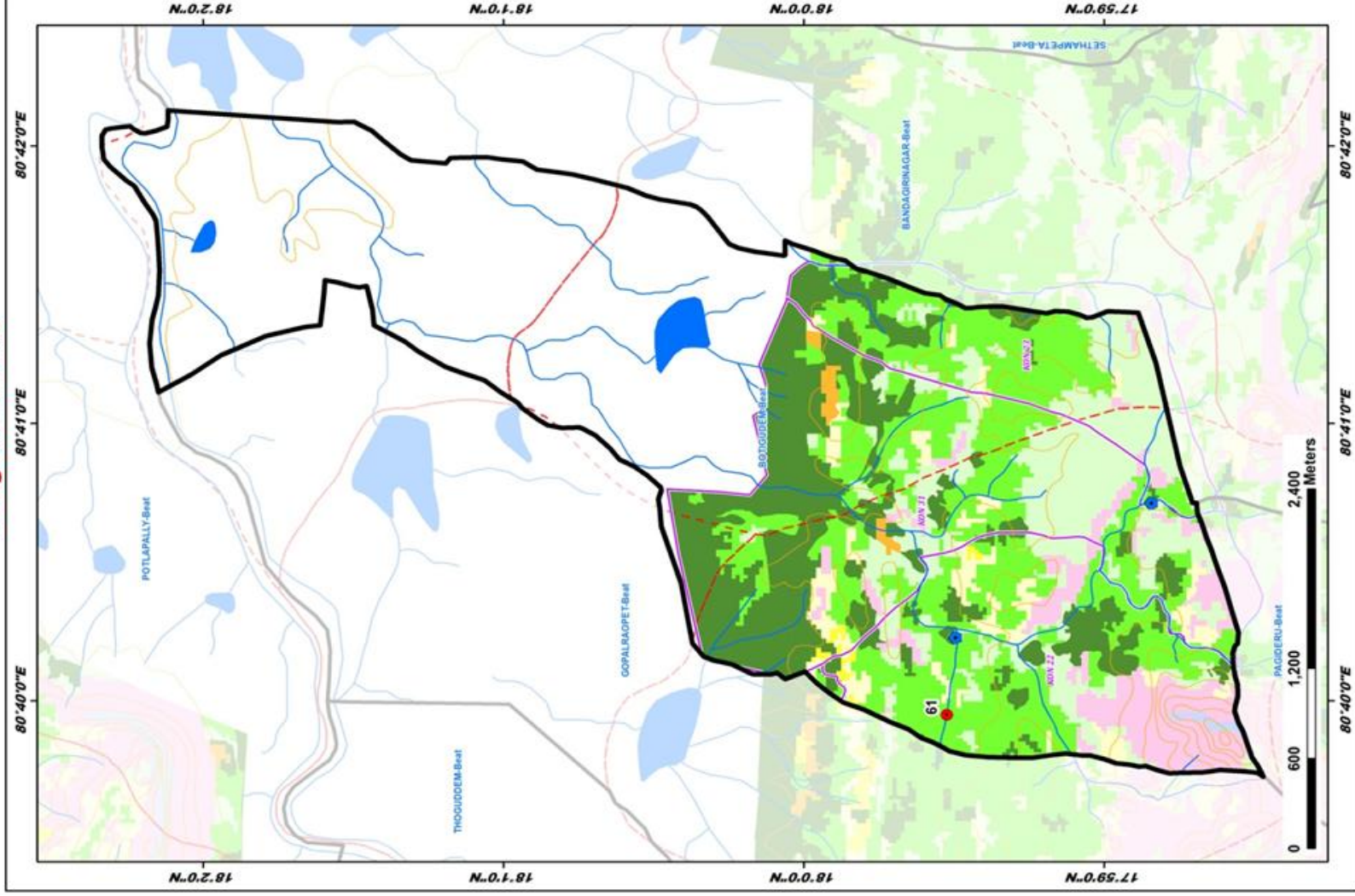


Division : Manuguru  
Range : E.Bayyarram

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



Division : Manuguru  
Range : E.Bayyarram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
61	17.992061	80.665836	29.93	III

## LEGEND

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

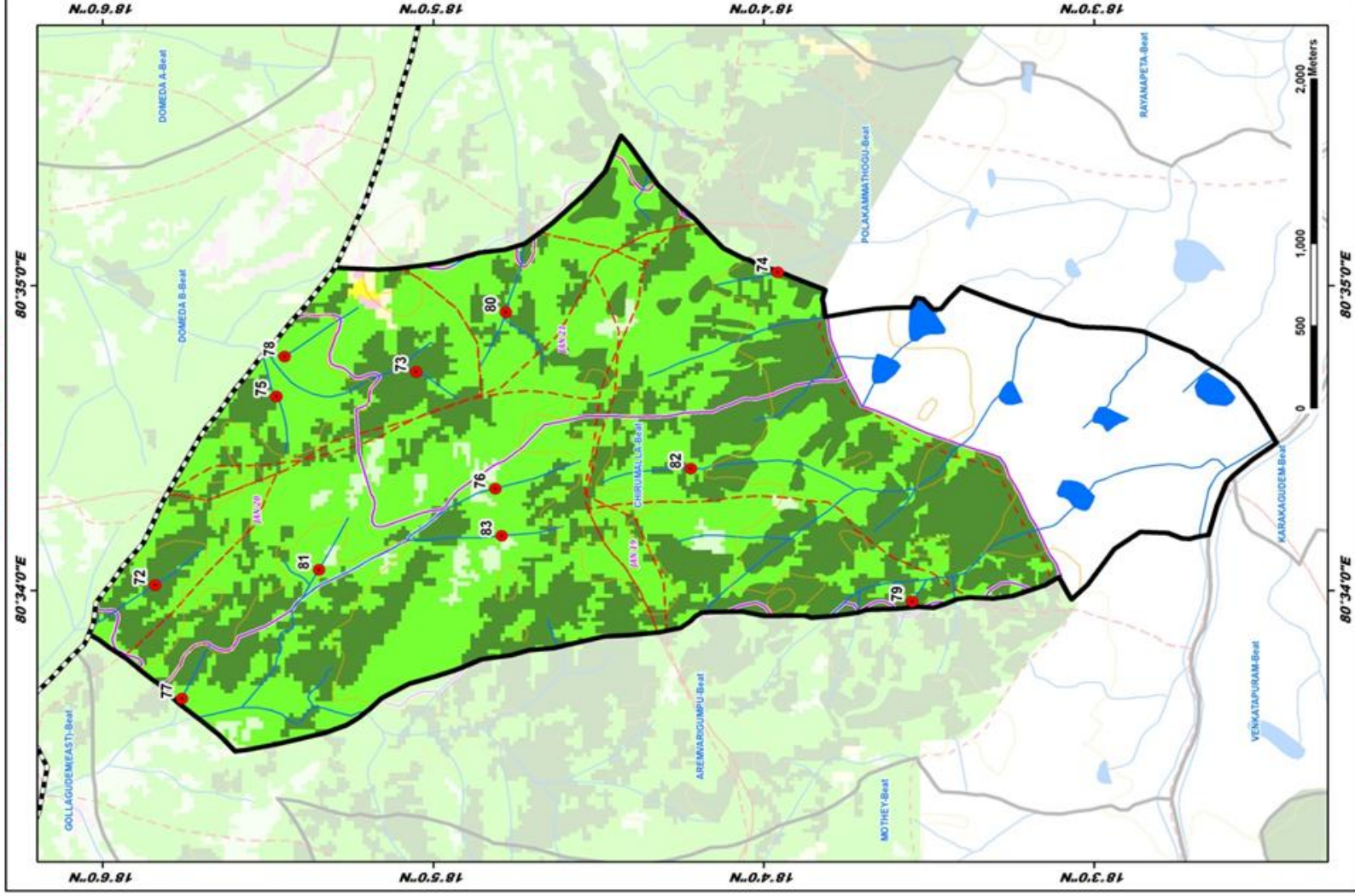
## Suitability Index

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

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



Division : Manuguru  
Range : E.Bayyarram



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
72	18.097365	80.566995	21.33	I
73	18.084198	80.578646	16.28	I
74	18.065952	80.584074	25.22	II
75	18.091242	80.577596	23.61	II
76	18.080206	80.572666	21.63	II
77	18.096010	80.560789	13.10	II
78	18.090843	80.579486	19.99	II
79	18.059178	80.566102	8.88	II
80	18.079679	80.581895	40.52	II
81	18.089103	80.567839	47.13	III
82	18.070346	80.573355	25.50	III
83	18.079895	80.569682	12.03	IV

## LEGEND

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

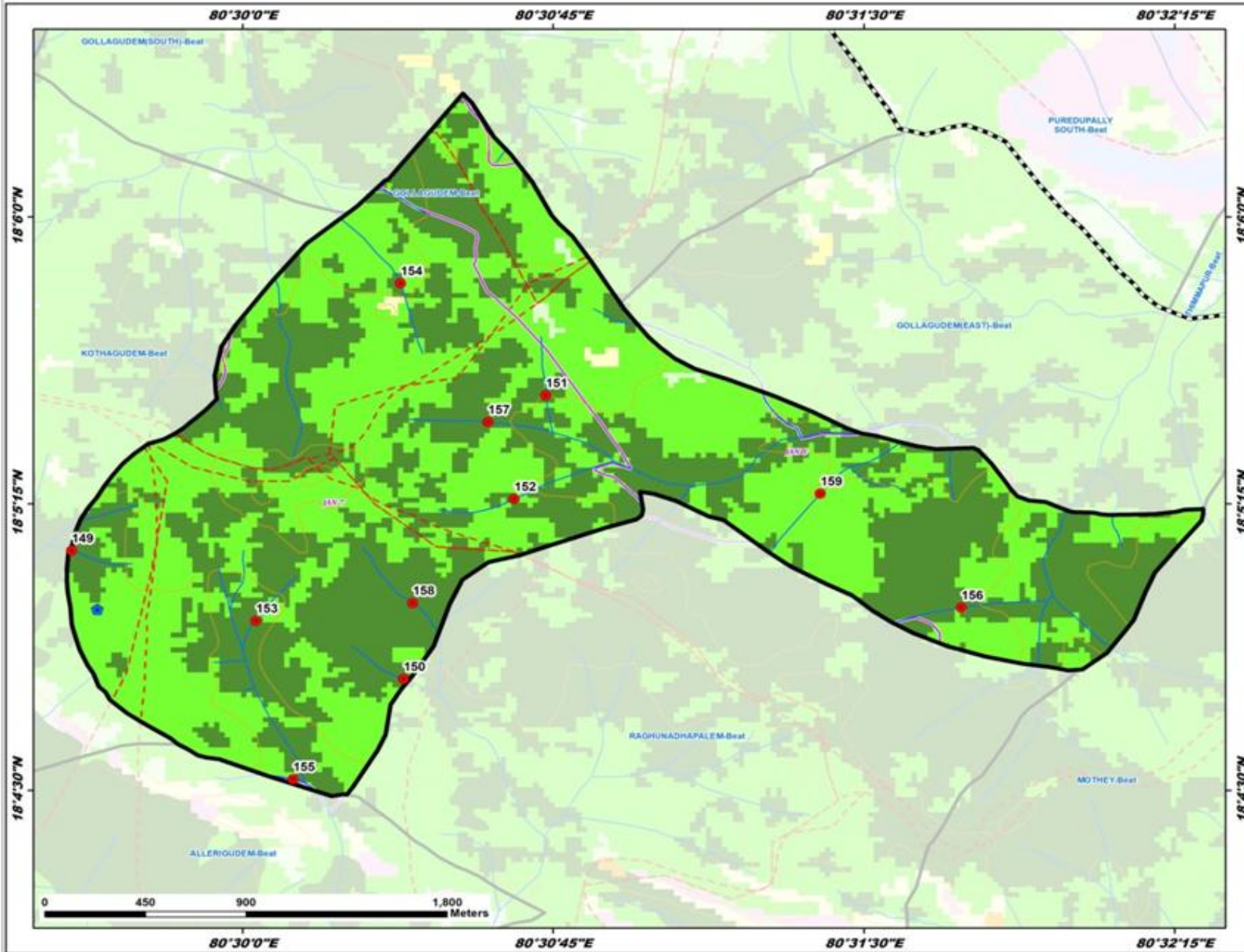
## Suitability Index

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

# Map Showing Suitability index for Construction of SMC Works of Gollagudem Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
149	18.085464	80.493111	7.63	I
150	18.079862	80.506477	11.65	I
151	18.092235	80.512197	10.49	I
152	18.087710	80.510933	12.72	I
153	18.082407	80.500539	8.93	I
154	18.097110	80.506353	11.47	I
155	18.075498	80.502028	12.20	II
156	18.082979	80.528924	16.05	II
157	18.091066	80.509876	29.48	II
158	18.083182	80.506845	33.61	II
159	18.087942	80.523254	49.28	III

**LEGEND**

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

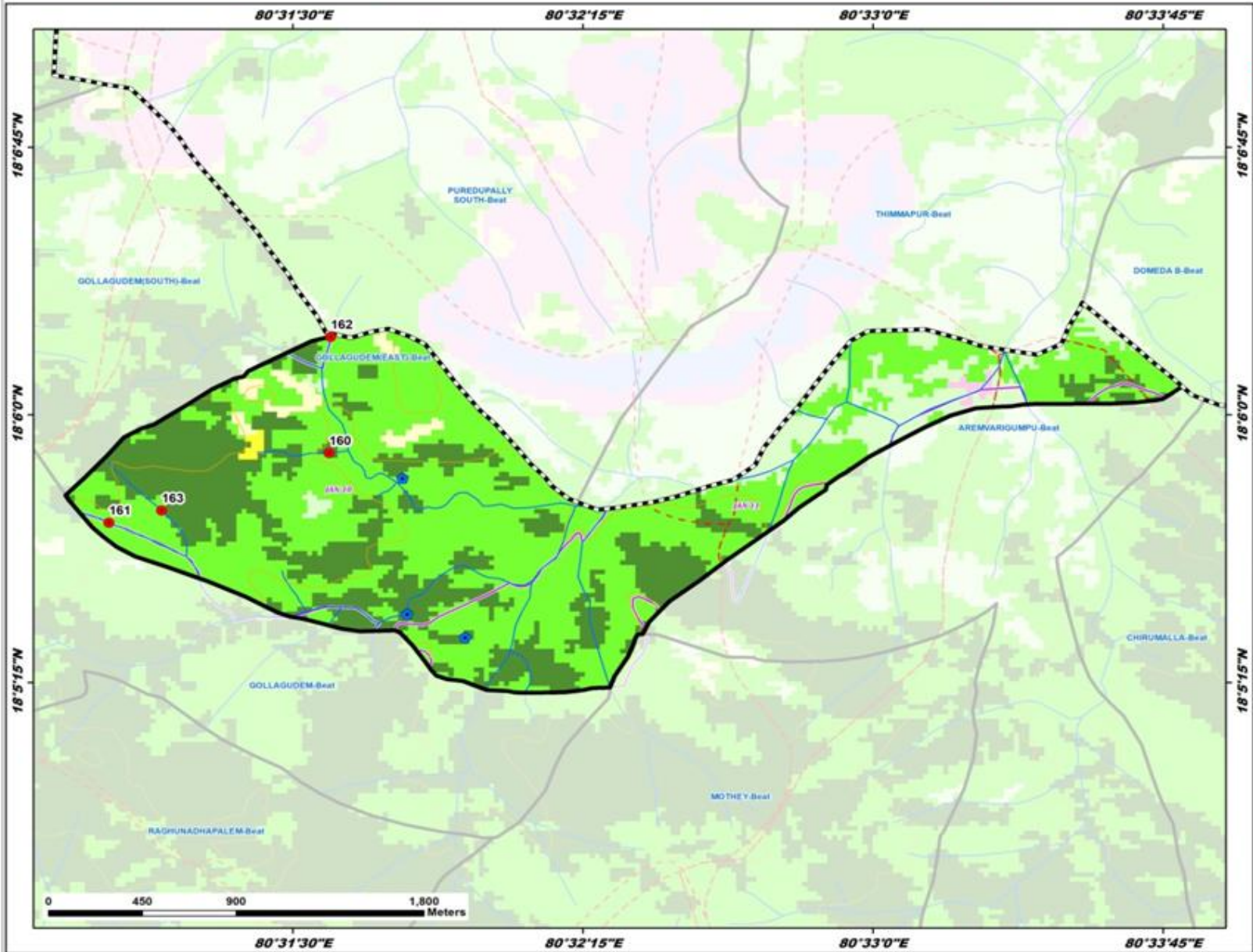
**Suitability Index**

- 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 Gollagudem East Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
160	18.098215	80.526563	18.73	I
161	18.094965	80.517070	14.78	II
162	18.103641	80.526630	43.35	III
163	18.095533	80.519340	26.48	III

**LEGEND**

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

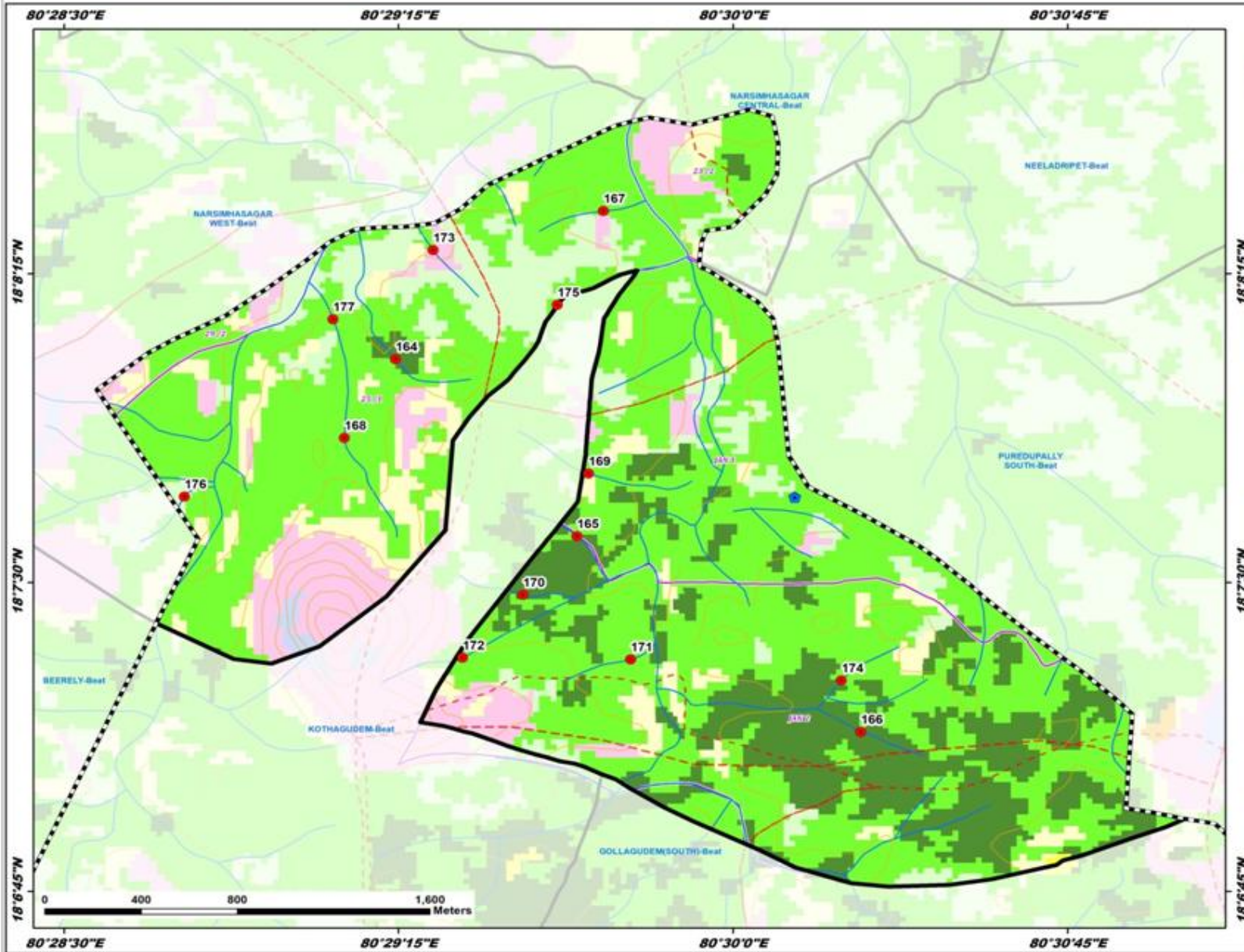
**Suitability Index**

- CCTs/STs - Highly Suitable
- CCTs/STs - Moderately Suitable
- CCTs/STs - 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 Gollagudem North Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
164	18.134047	80.487387	12.45	I
165	18.126880	80.494169	15.68	I
166	18.118960	80.504774	20.97	I
167	18.140042	80.495154	7.77	II
168	18.130859	80.485480	19.97	II
169	18.129411	80.494601	16.32	II
170	18.124507	80.492147	25.27	II
171	18.121895	80.496174	12.08	II
172	18.121964	80.489891	20.19	II
173	18.138465	80.488790	7.55	II
174	18.121040	80.504051	9.87	II
175	18.136241	80.493430	16.05	II
176	18.128488	80.479495	9.94	IV
177	18.135660	80.485052	37.14	III

**LEGEND**

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

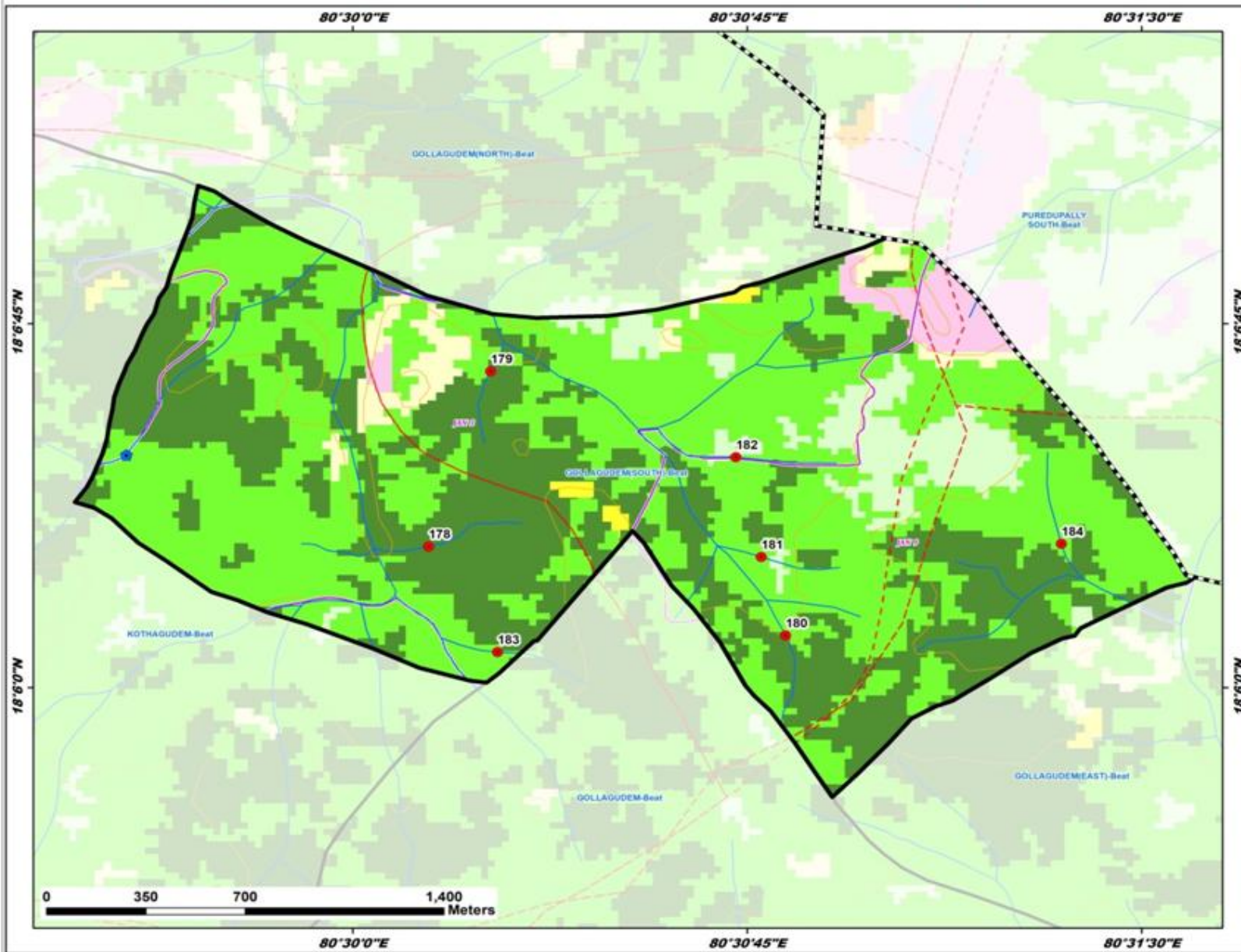
**Suitability Index**

- 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 Gollagudem South Beat



Division : Manuguru  
Range : E.Bayyaram



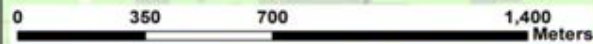
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
178	18.104854	80.502404	20.51	I
179	18.110863	80.504368	12.26	I
180	18.101798	80.513722	15.21	I
181	18.104489	80.512951	6.29	II
182	18.107916	80.512145	31.87	III
183	18.101223	80.504593	26.28	III
184	18.104941	80.522465	27.72	III

**LEGEND**

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

**Suitability Index**

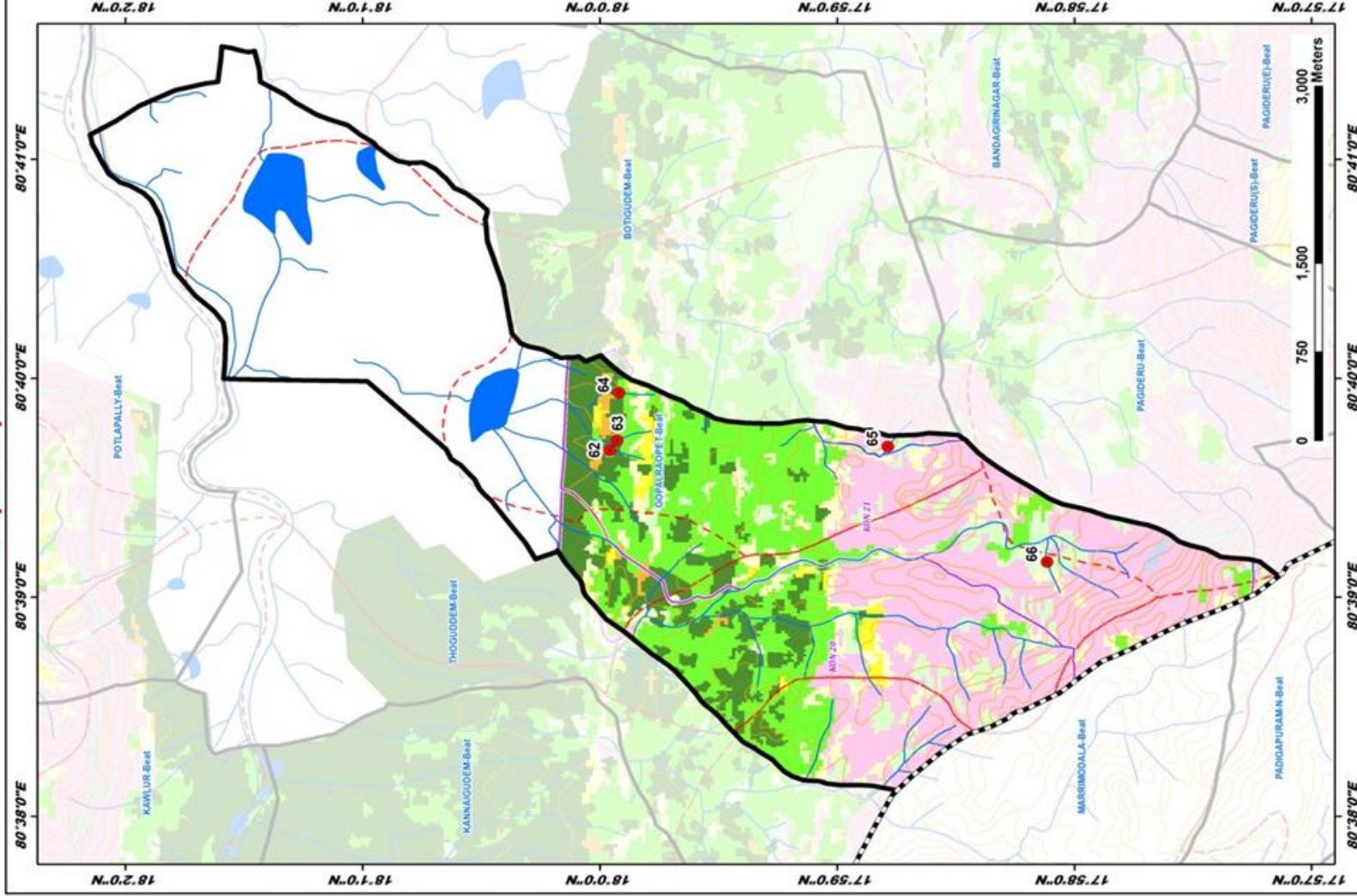
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area, Ha	PRIORITY
62	17.999301	80.661232	6.73	I
63	17.998792	80.661970	11.90	I
64	17.998660	80.665586	11.23	II
65	17.979760	80.661495	10.70	IV
66	17.968567	80.652727	22.31	IV

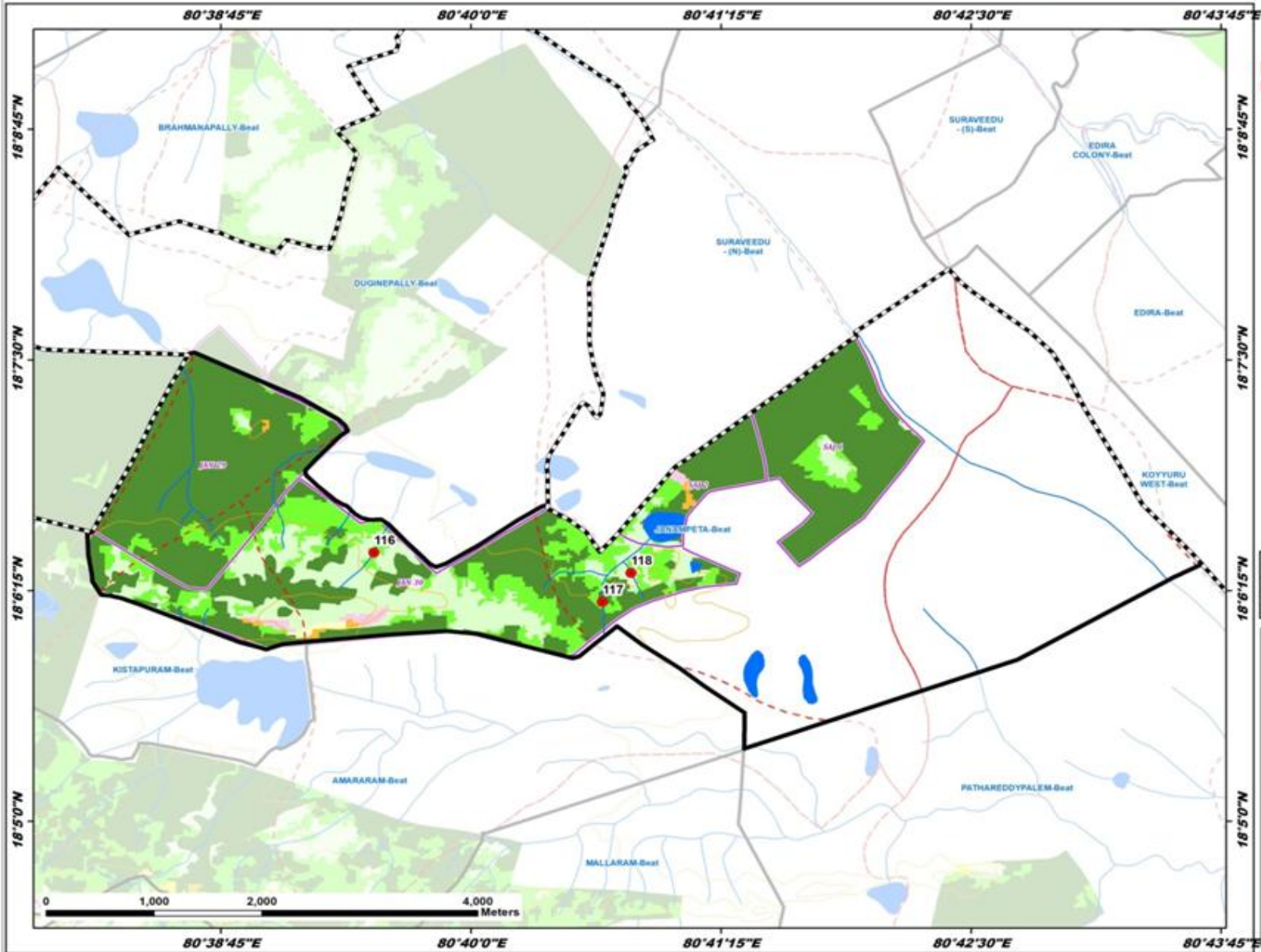
## LEGEND

- 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 Janampeta Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
116	18.107620	80.658588	23.22	II
117	18.103149	80.677619	18.07	II
118	18.105785	80.680003	11.60	IV

**LEGEND**

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

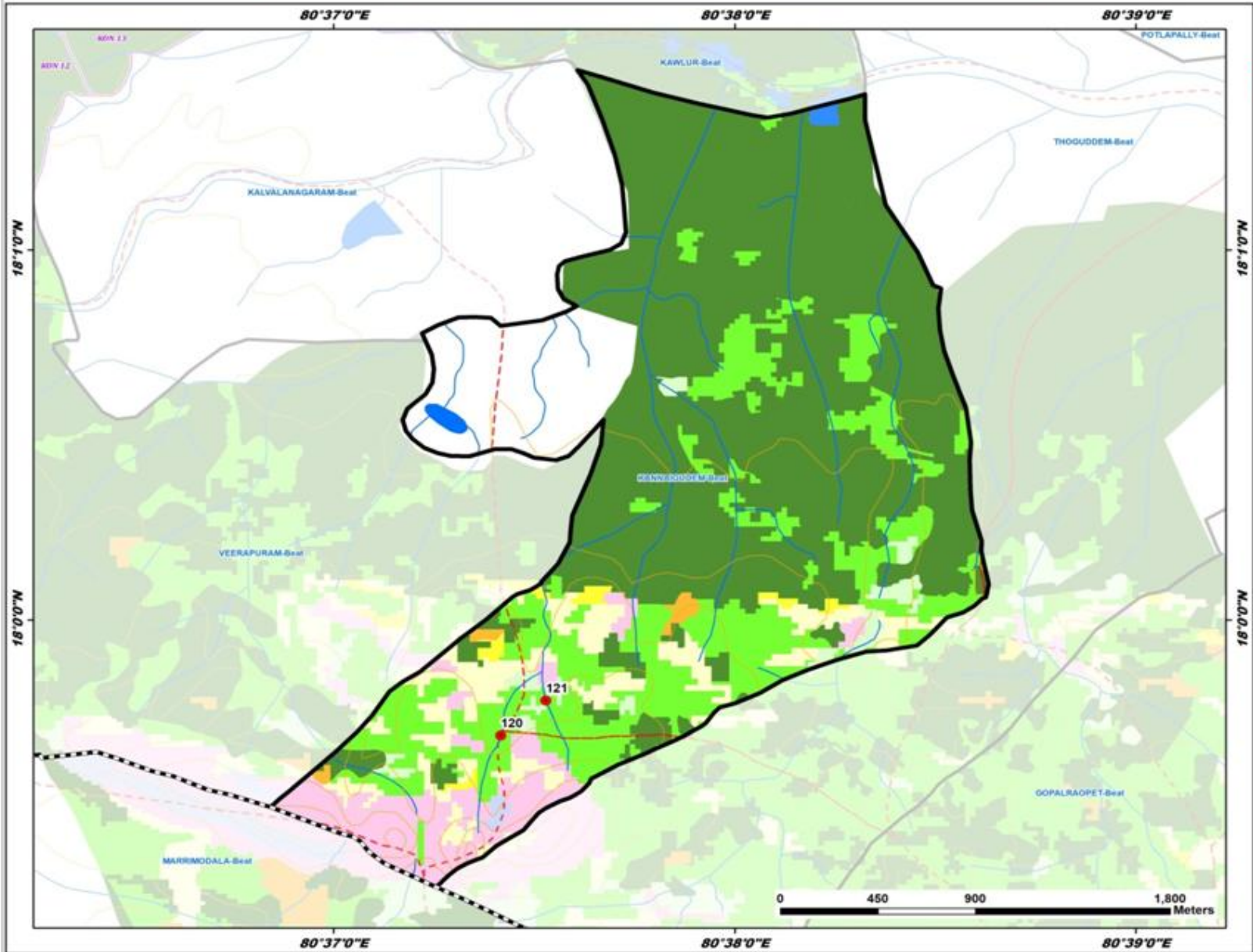
**Suitability Index**

- 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 Kannaigudem Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
120	17.994803	80.623610	18.79	II
121	17.996377	80.625487	27.23	V

**LEGEND**

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

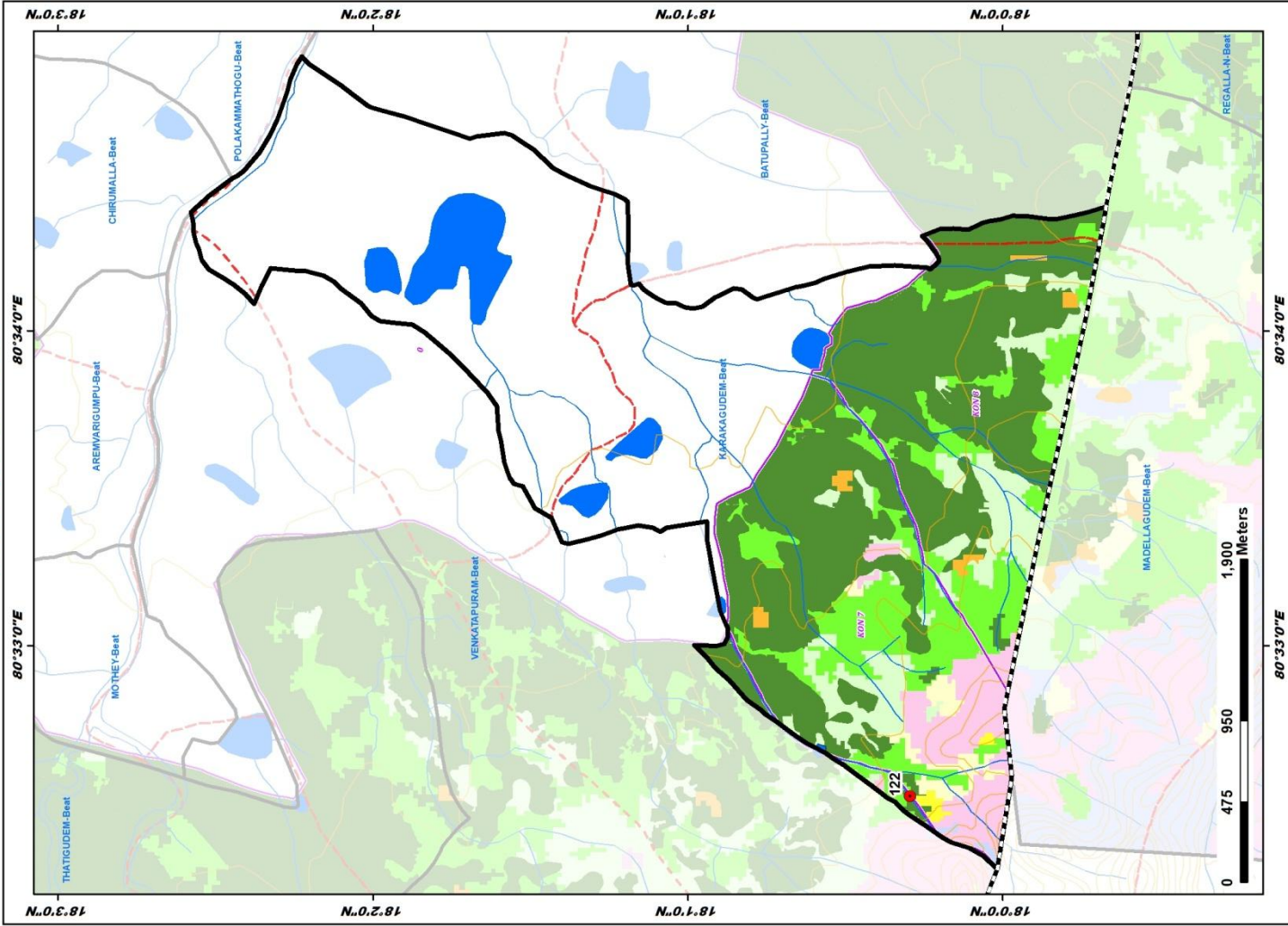
**Suitability Index**

- 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



Division : Manuguru  
Range : E.Bayyaram

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



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
122	18.009922	80.542093	11.75	I

**LEGEND**

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

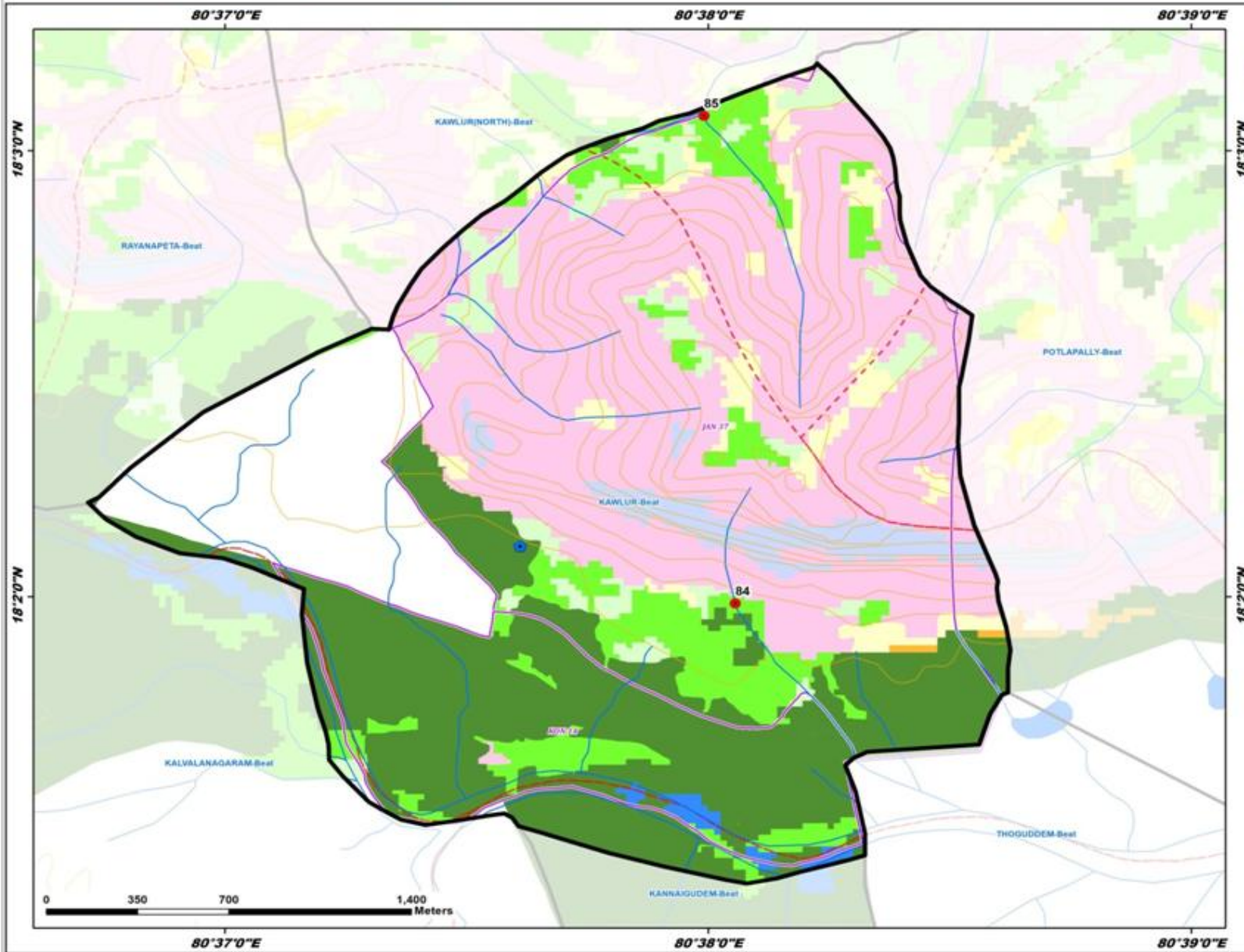
**Suitability Index**

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

# Map Showing Suitability index for Construction of SMC Works of Kawlur Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
84	18.033085	80.634278	15.45	II
85	18.051309	80.633194	76.99	IV

**LEGEND**

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

**Suitability Index**

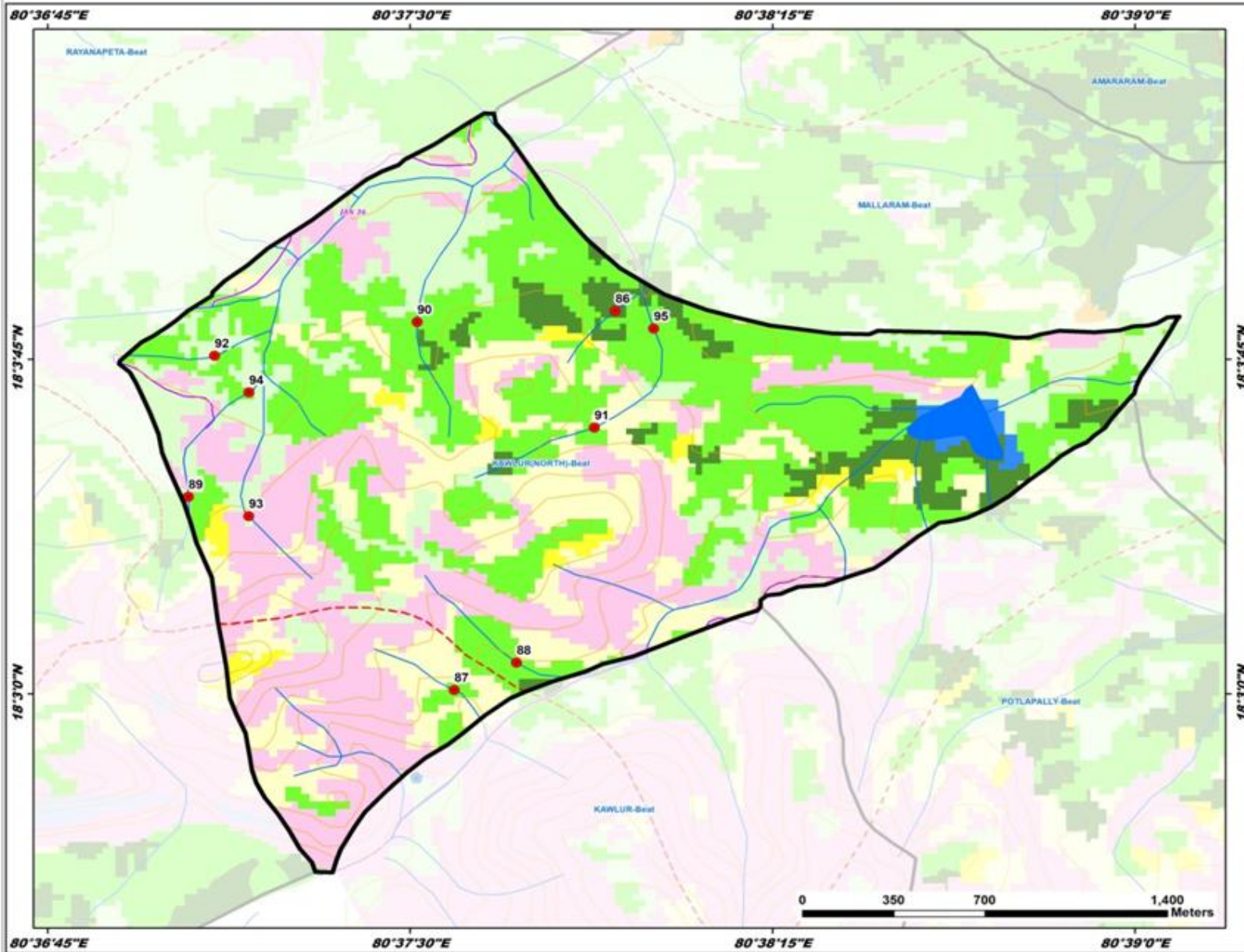
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability index for Construction of SMC Works of Kawlur North Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
86	18.064305	80.632081	7.09	I
87	18.050143	80.626526	12.78	II
88	18.051163	80.628678	22.99	II
89	18.057362	80.617353	24.23	II
90	18.063897	80.625249	39.99	III
91	18.059944	80.631364	35.17	III
92	18.062637	80.618258	24.56	IV
93	18.056641	80.619440	16.93	IV
94	18.061267	80.619442	36.93	III
95	18.063648	80.633409	53.98	IV

**LEGEND**

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

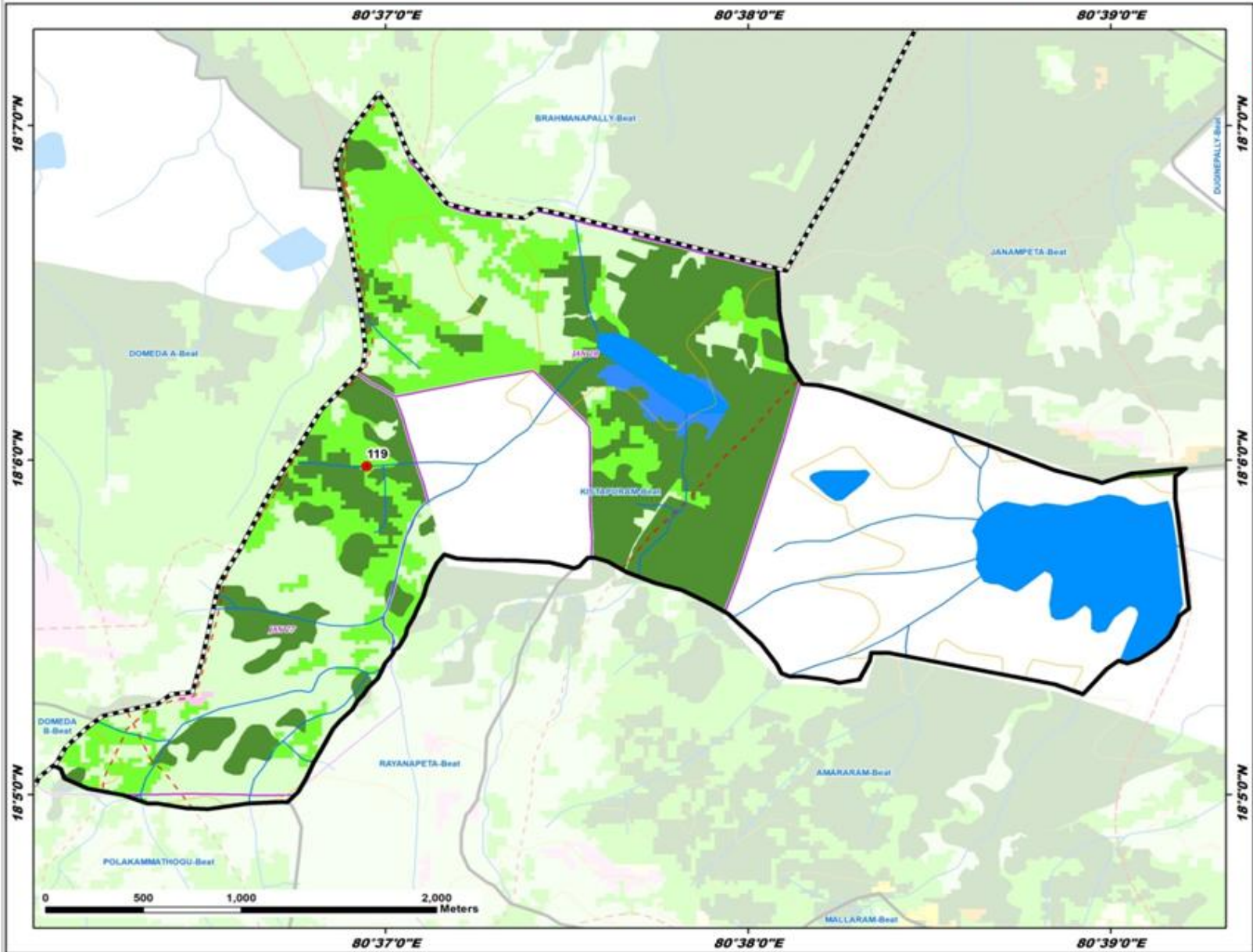
**Suitability Index**

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

# Map Showing Suitability index for Construction of SMC Works of Kistapuram Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
119	18.099702	80.615811	19.82	II

**LEGEND**

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

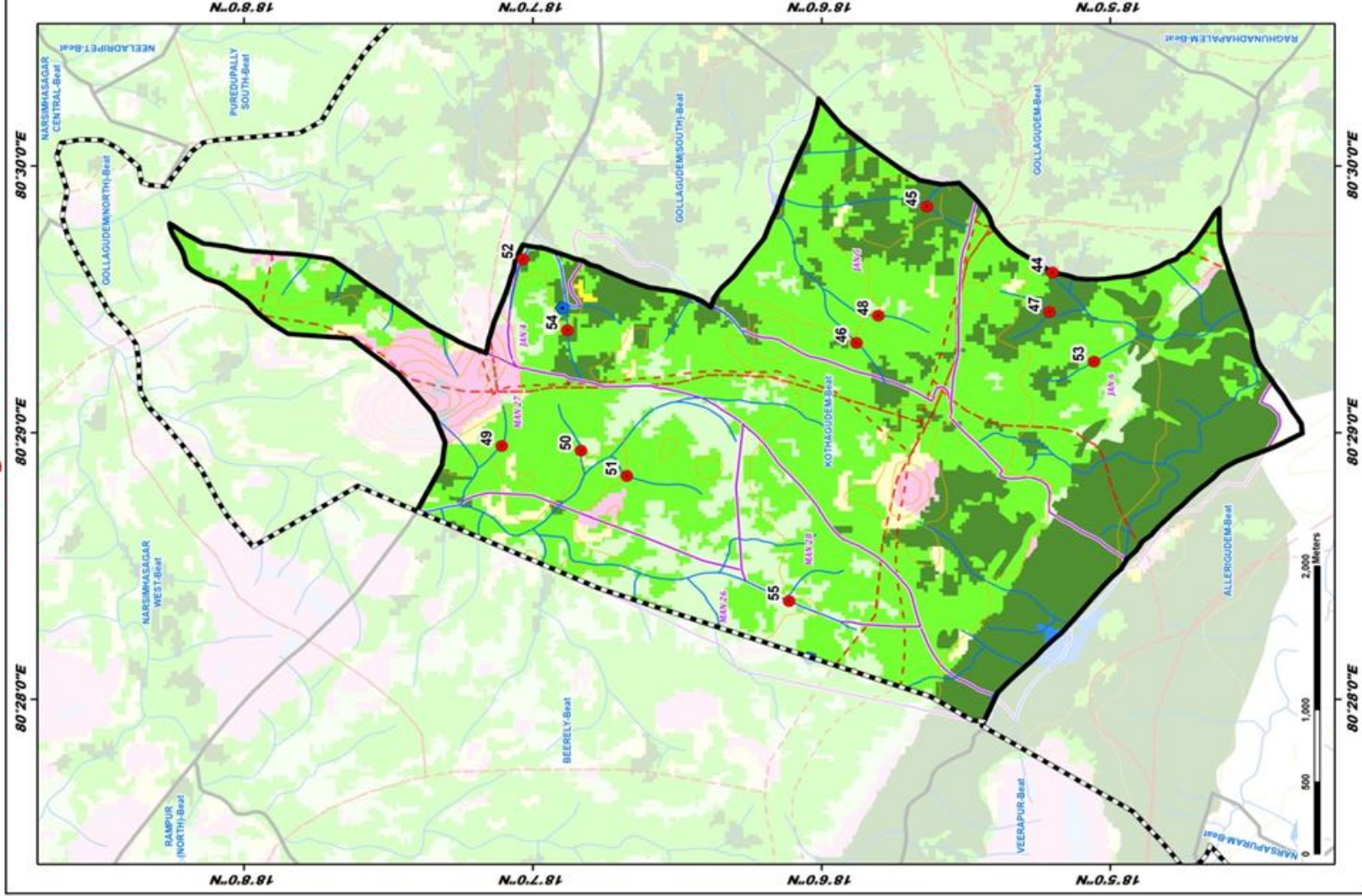
**Suitability Index**

- 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 Kothagudem Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
44	18.086662	80.493373	21.02	I
45	18.093911	80.497504	33.52	II
46	18.097974	80.488976	20.71	III
47	18.086848	80.490909	30.93	III
48	18.096722	80.490679	24.68	III
49	18.118462	80.482333	12.31	III
50	18.113890	80.482333	18.22	III
51	18.111230	80.480650	22.40	III
52	18.117227	80.494214	17.83	III
53	18.084262	80.487810	28.21	III
54	18.114664	80.489771	25.19	III
55	18.101870	80.472825	51.63	IV

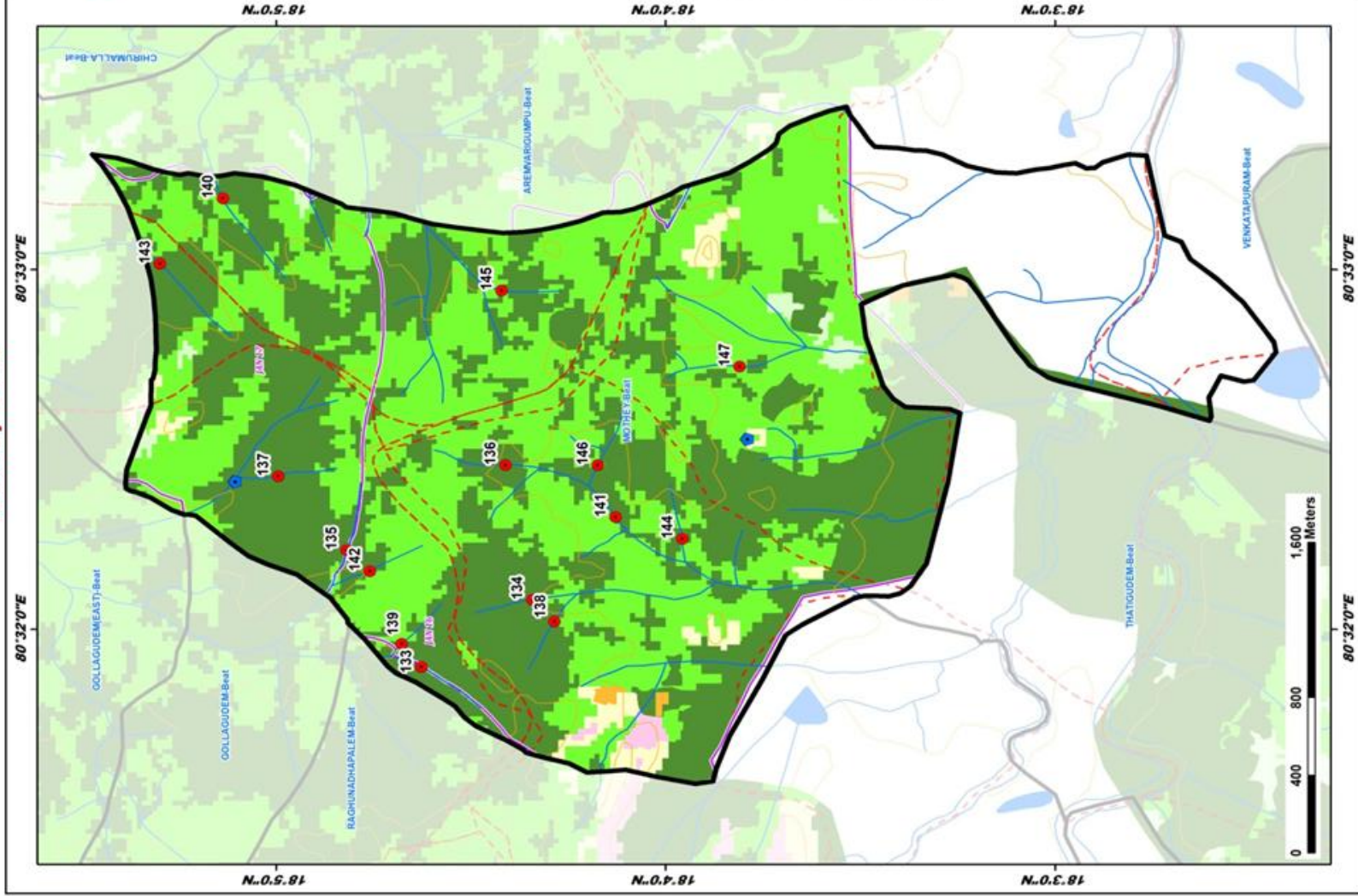
## LEGEND

- Existing CD/PTs
  - Proposed 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 Mothey Beat



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area, Ha	PRIORITY
133	18.077115	80.531597	22.11	I
134	18.072361	80.534721	16.45	I
135	18.080317	80.537024	15.37	I
136	18.073520	80.540958	20.12	I
137	18.083238	80.540443	7.61	I
138	18.071419	80.533710	11.37	I
139	18.077953	80.532672	10.22	I
140	18.085609	80.553314	24.81	I
141	18.068802	80.538549	33.04	II
142	18.079320	80.536044	12.50	II
143	18.088298	80.550289	32.57	II
144	18.065949	80.537539	9.80	II
145	18.073683	80.549052	12.25	II
146	18.069573	80.540958	29.34	III
147	18.063498	80.545520	29.38	III

## LEGEND

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

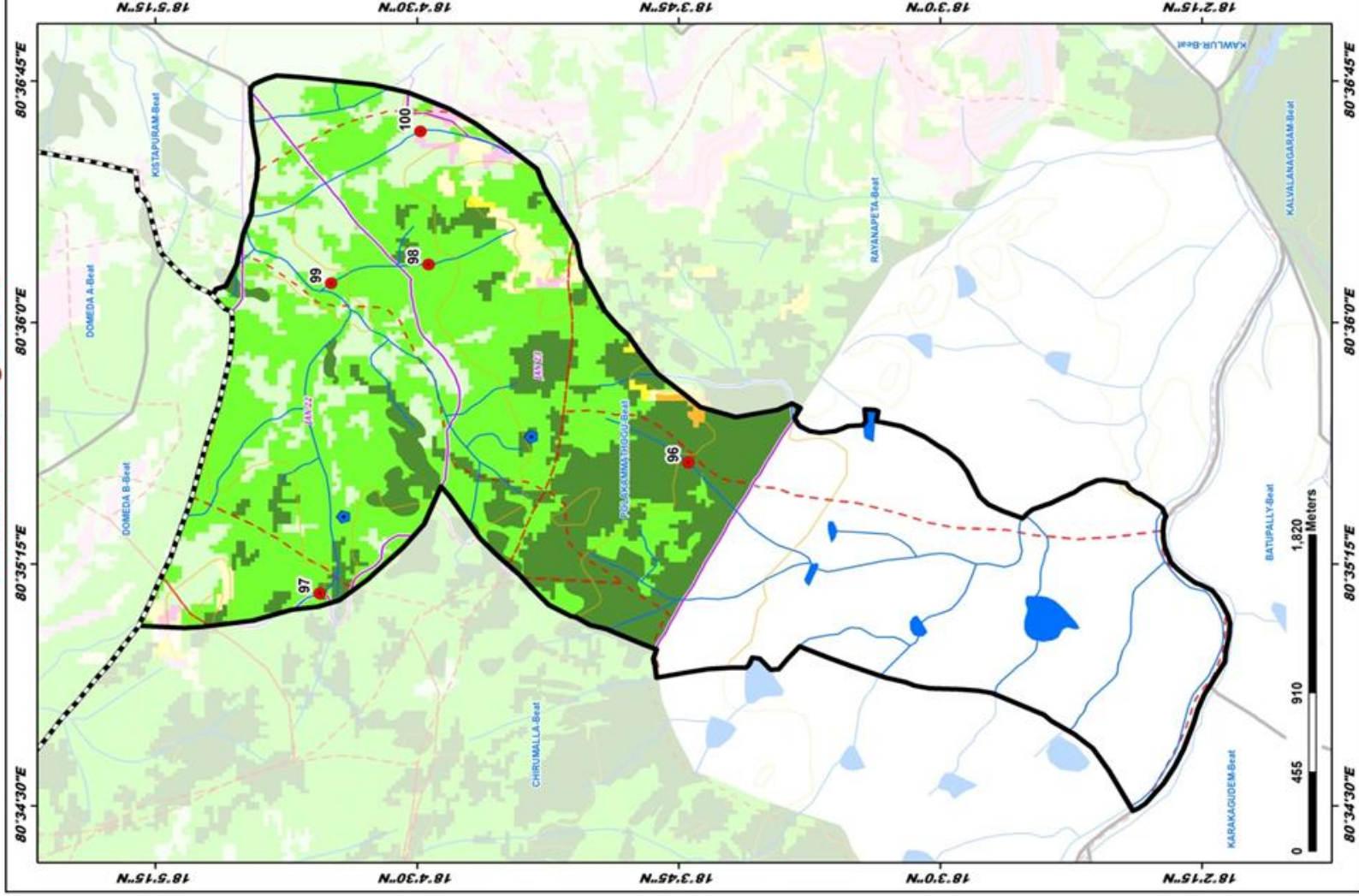
## Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- P/Ts - Highly Suitable
- P/Ts - Moderately Suitable
- P/Ts - Least Suitable
- M/P/Ts and S/GPs - Suitable
- Not Suitable
- Water Body

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



Division : Manuguru  
Range : E. Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
96	18.062037	80.592787	13.35	I
97	18.079658	80.586009	21.82	I
98	18.074448	80.603022	25.39	III
99	18.079110	80.602065	65.62	IV
100	18.074842	80.609908	67.87	V

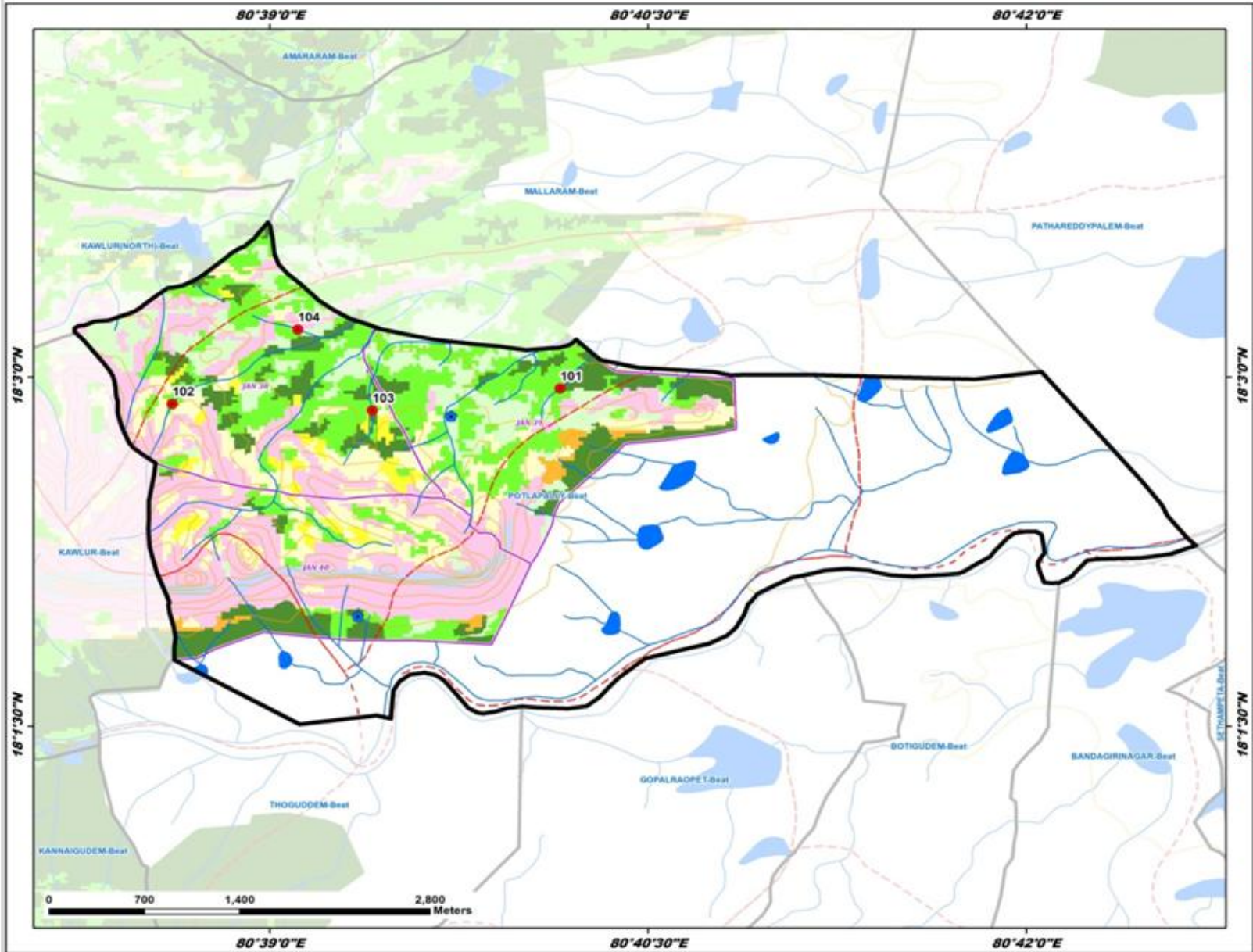
### LEGEND

- Proposed PTs (Red dot)
  - Existing CD/PTs (Blue dot)
  - Contours (Brown dashed 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 (Orange)
  - CCTs/SCTs - Moderately Suitable (Yellow)
  - CCTs/SCTs - Least Suitable (Light Green)
  - PTs - Highly Suitable (Dark Green)
  - PTs - Moderately Suitable (Medium Green)
  - PTs - Least Suitable (Light Green)
  - MPTs and SGPs - Suitable (Pink)
  - Not Suitable (Light Blue)
  - Water Body (Dark Blue)

# Map Showing Suitability index for Construction of SMC Works of Potlapally Beat



Division : Manuguru  
Range : E.Bayyaram



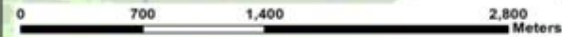
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
101	18.049211	80.669189	15.68	II
102	18.048105	80.643546	16.49	II
103	18.047627	80.656769	32.08	III
104	18.053418	80.651842	13.04	IV

**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



80°39'0"E      80°40'30"E      80°42'0"E

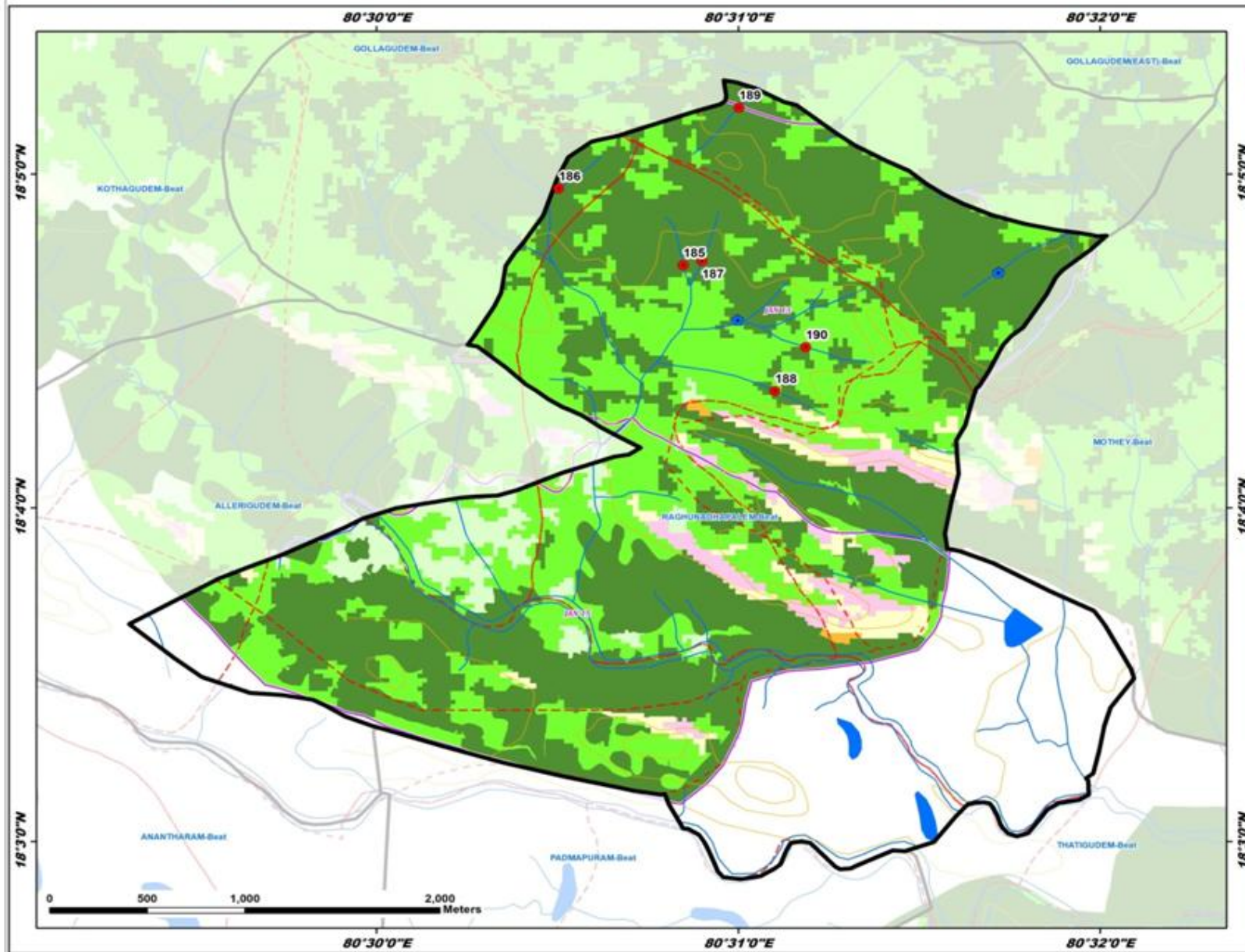
18°30'N  
18°13'0"N

18°30'N  
18°13'0"N

# Map Showing Suitability index for Construction of SMC Works of Ragunadhapaalem Beat



Division : Manuguru  
Range : E.Bayaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
185	18.078797	80.514128	17.33	I
186	18.082621	80.508396	12.23	I
187	18.079017	80.515003	19.31	I
188	18.072511	80.518358	10.35	I
189	18.086664	80.516698	13.53	I
190	18.074703	80.519778	14.62	II

**LEGEND**

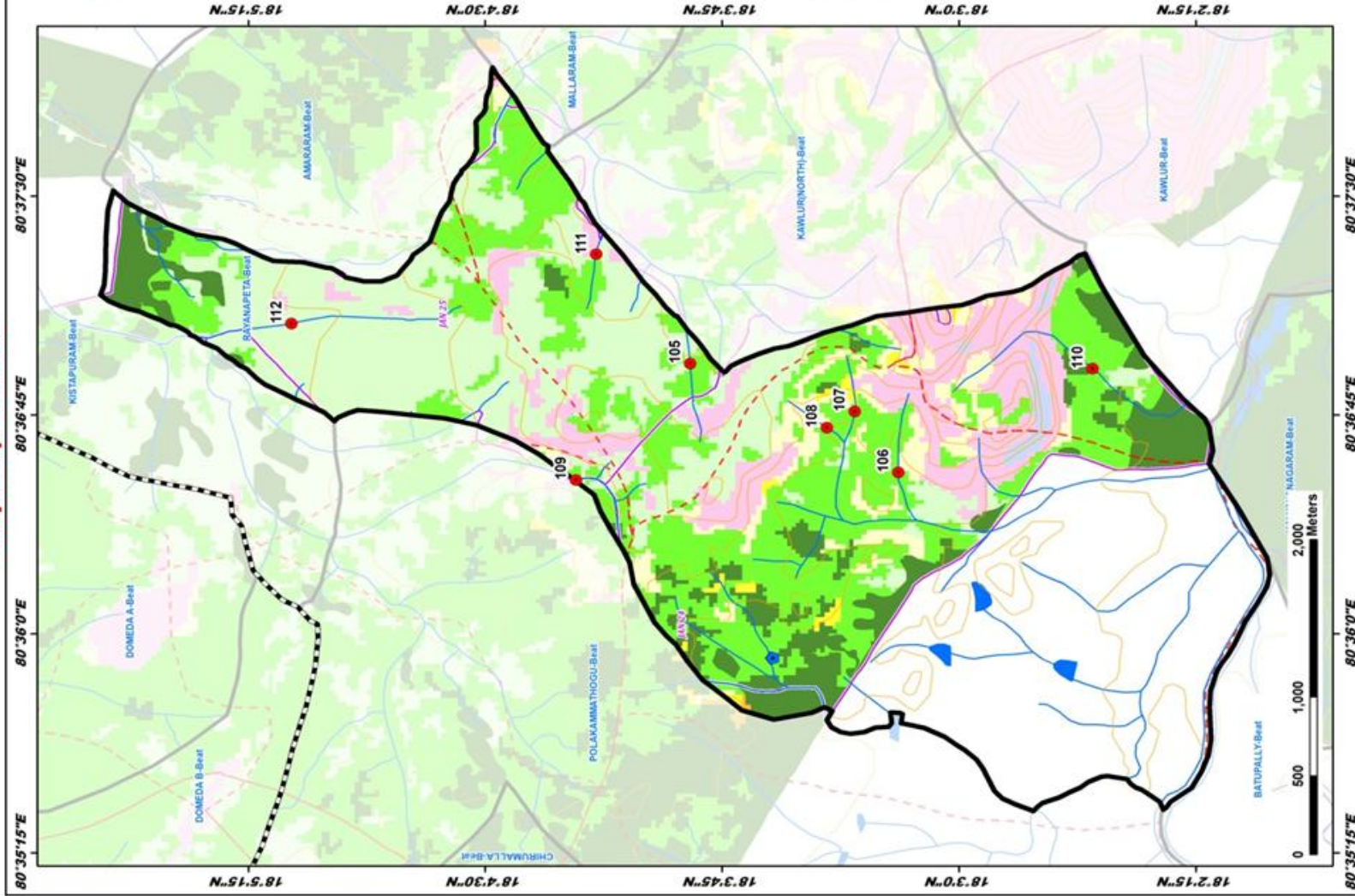
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

**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 Rayanapeta Beat



Division : Manuguru  
Range : E. Bayyaram

ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
105	18.064190	80.615461	18.40	II
106	18.053194	80.609240	22.78	II
107	18.055505	80.612733	10.90	II
108	18.056974	80.617796	7.56	II
109	18.070208	80.608807	43.27	III
110	18.042943	80.615168	49.56	III
111	18.069135	80.621711	21.57	IV
112	18.085220	80.617750	63.05	V

### LEGEND

- Proposed P/Ts (Red dot)
- Existing CD/P/Ts (Blue dot)
- Contours (Brown line)
- Streams (Blue line)
- Watershed Boundary (Dashed blue line)
- Compartment Boundary (Dashed purple line)
- Beat Boundary (Dashed pink line)
- Division Boundary (Dashed black line)

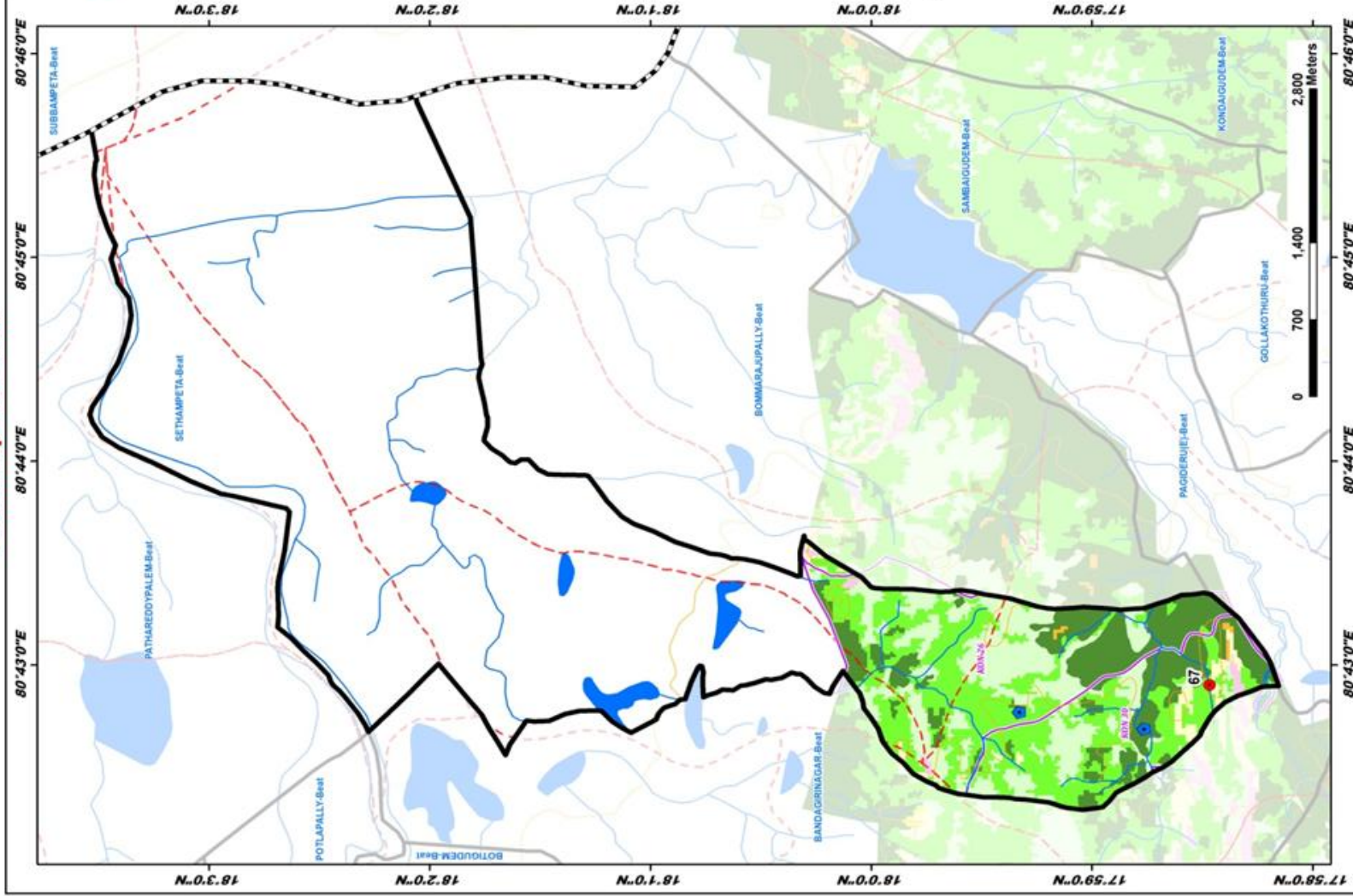
### Suitability Index

- CCTs/SCTs - Highly Suitable (Dark Green)
- CCTs/SCTs - Moderately Suitable (Light Green)
- CCTs/SCTs - Least Suitable (Yellow)
- P/Ts - Highly Suitable (Dark Green)
- P/Ts - Moderately Suitable (Light Green)
- P/Ts - Least Suitable (Yellow)
- MPTs and SGPs - Suitable (Light Green)
- Not Suitable (Pink)
- Water Body (Blue)

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



Division : Manuguru  
Range : E.Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
67	17.974456	80.715052	12.80	II

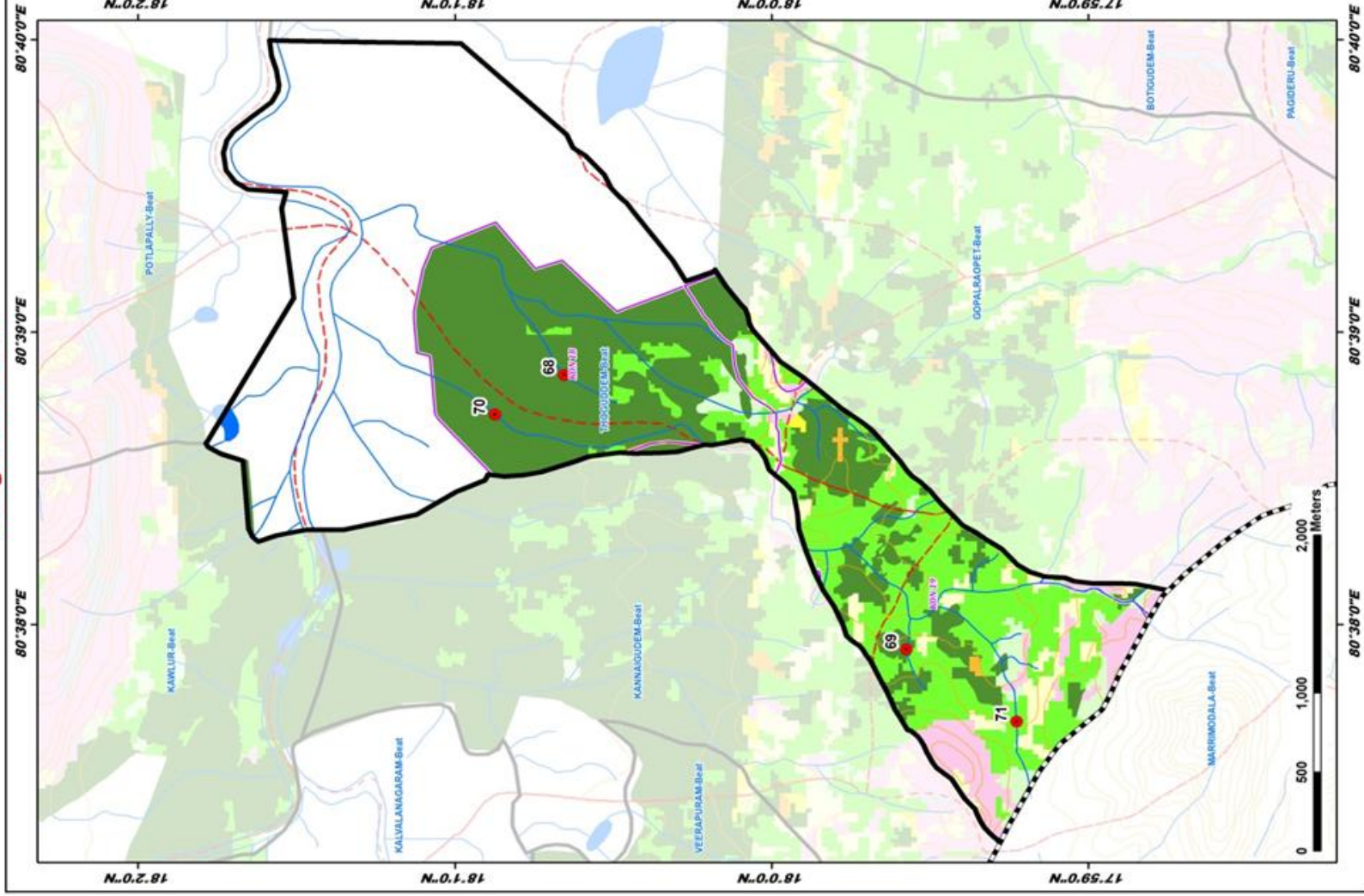
### LEGEND

- 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 Thogudem Beat



Division : Manuguru  
Range : E.Bayyaram

ID	Latitude	Longitude	Catchment Area, Ha	PRIORITY
68	18.010936	80.647588	12.84	I
69	17.992916	80.631943	14.41	I
70	18.014566	80.645337	62.51	III
71	17.987117	80.627844	45.40	III

### LEGEND

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

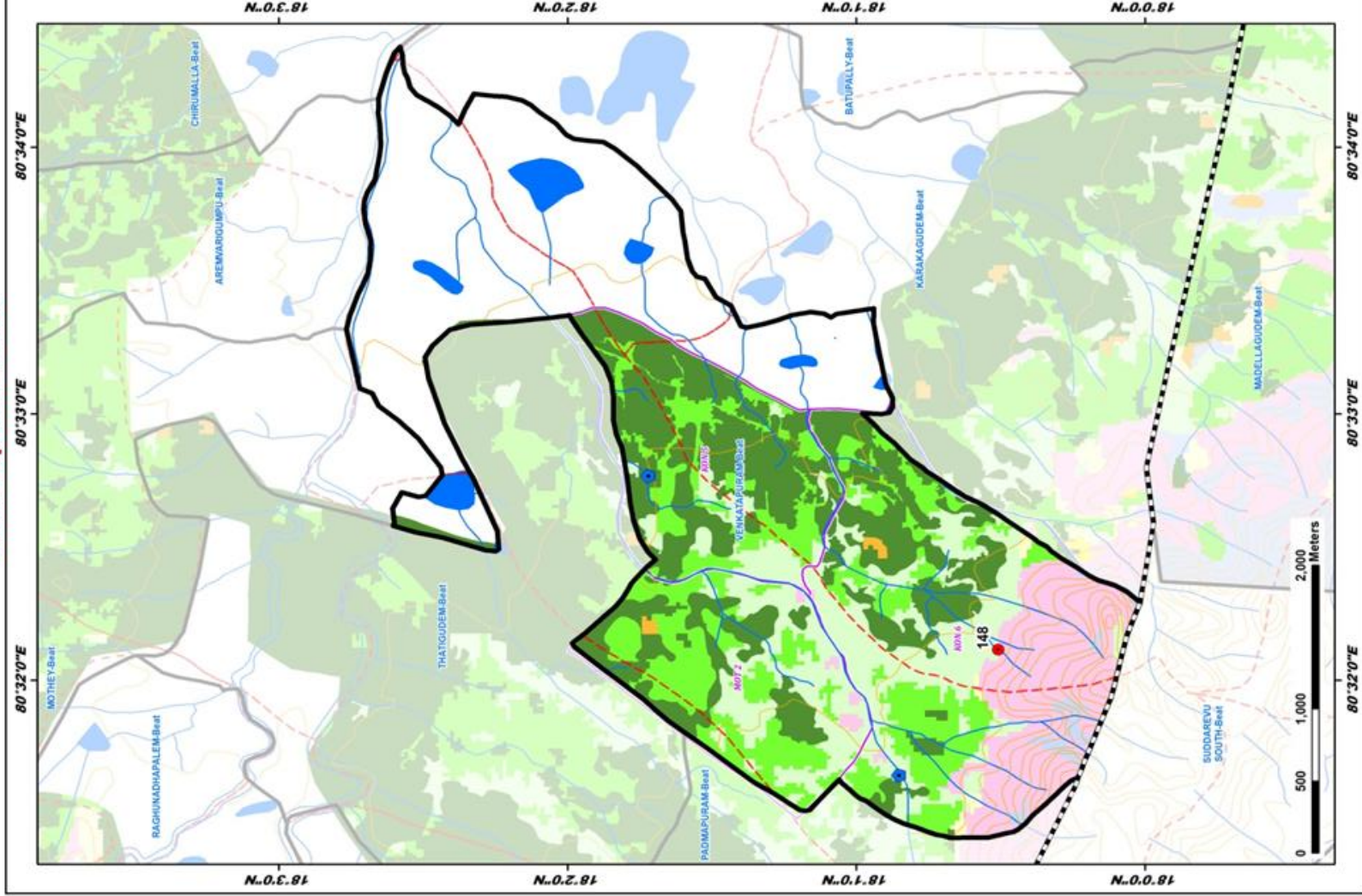
### Suitability Index

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

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



Division : Manuguru  
Range : E. Bayyaram



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
148	18.008477	80.535286	4.70	IV

## LEGEND

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

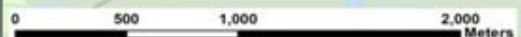
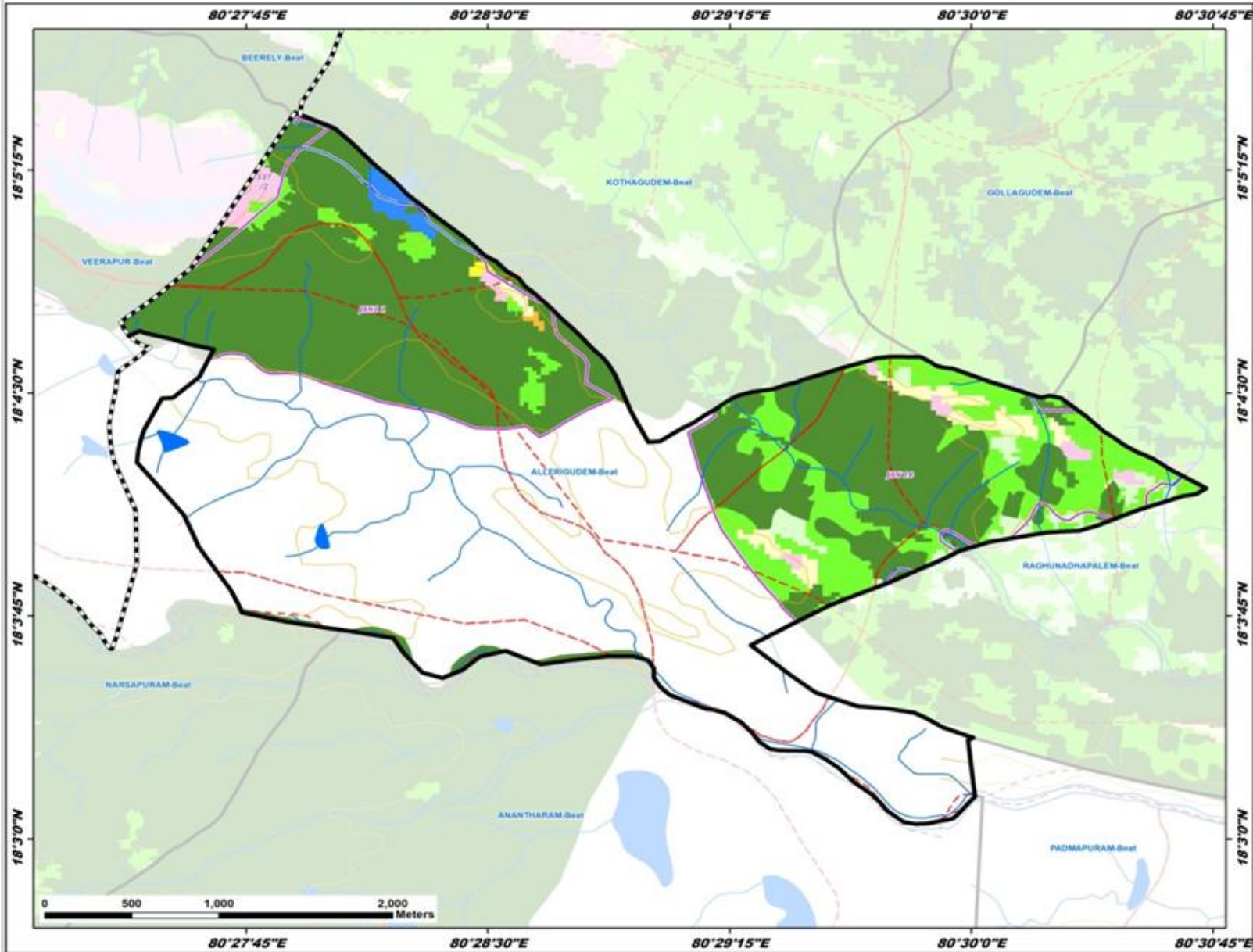
## Suitability Index

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

# Map Showing Suitability index for Construction of SMC Works of Allerigudem Beat



Division : Manuguru  
Range : E.Bayyaram



**LEGEND**

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

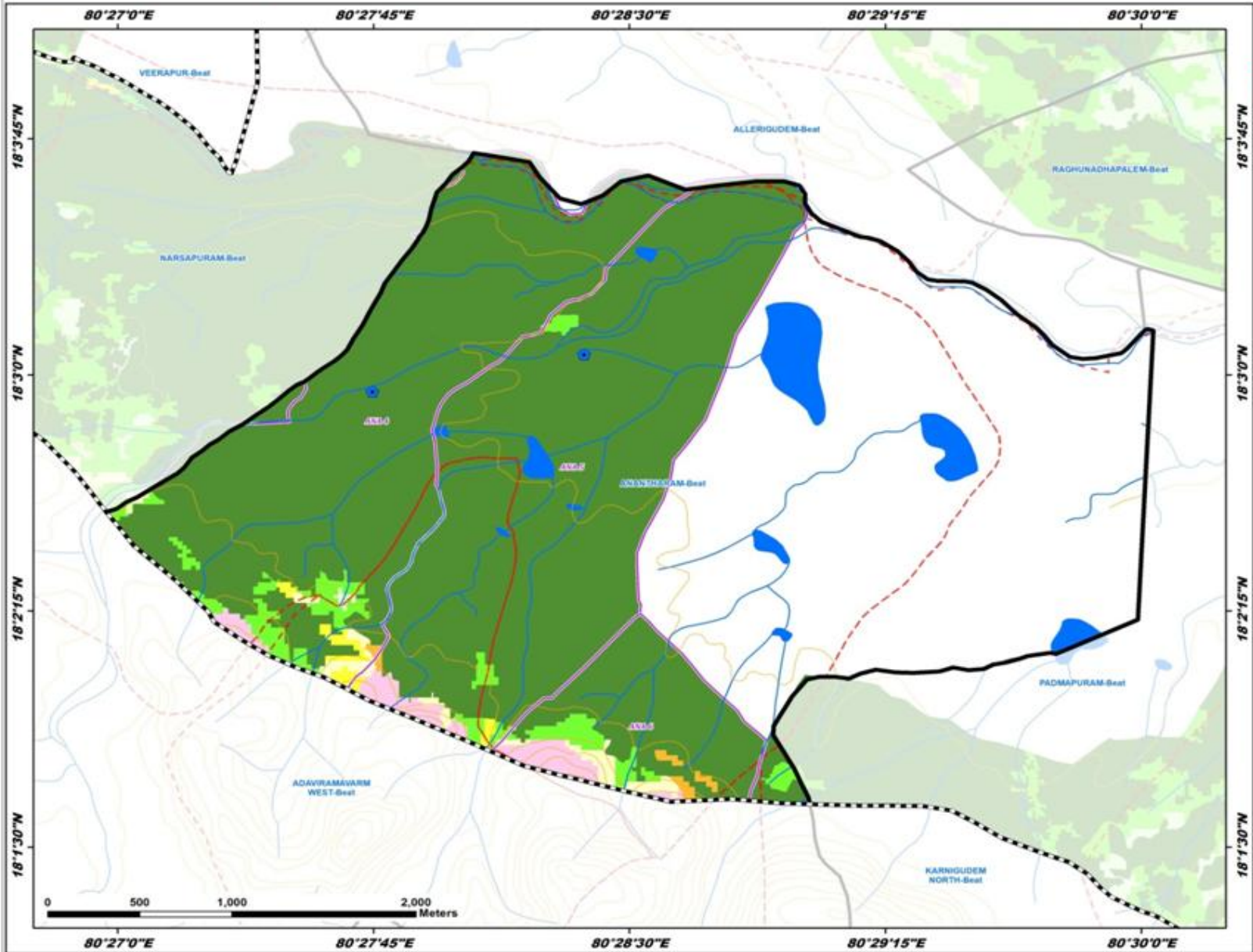
**Suitability Index**

- CCTs/STs - Highly Suitable
- CCTs/STs - Moderately Suitable
- CCTs/STs - 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 Anantharam Beat



Division : Manuguru  
Range : E.Bayyaram



**LEGEND**

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

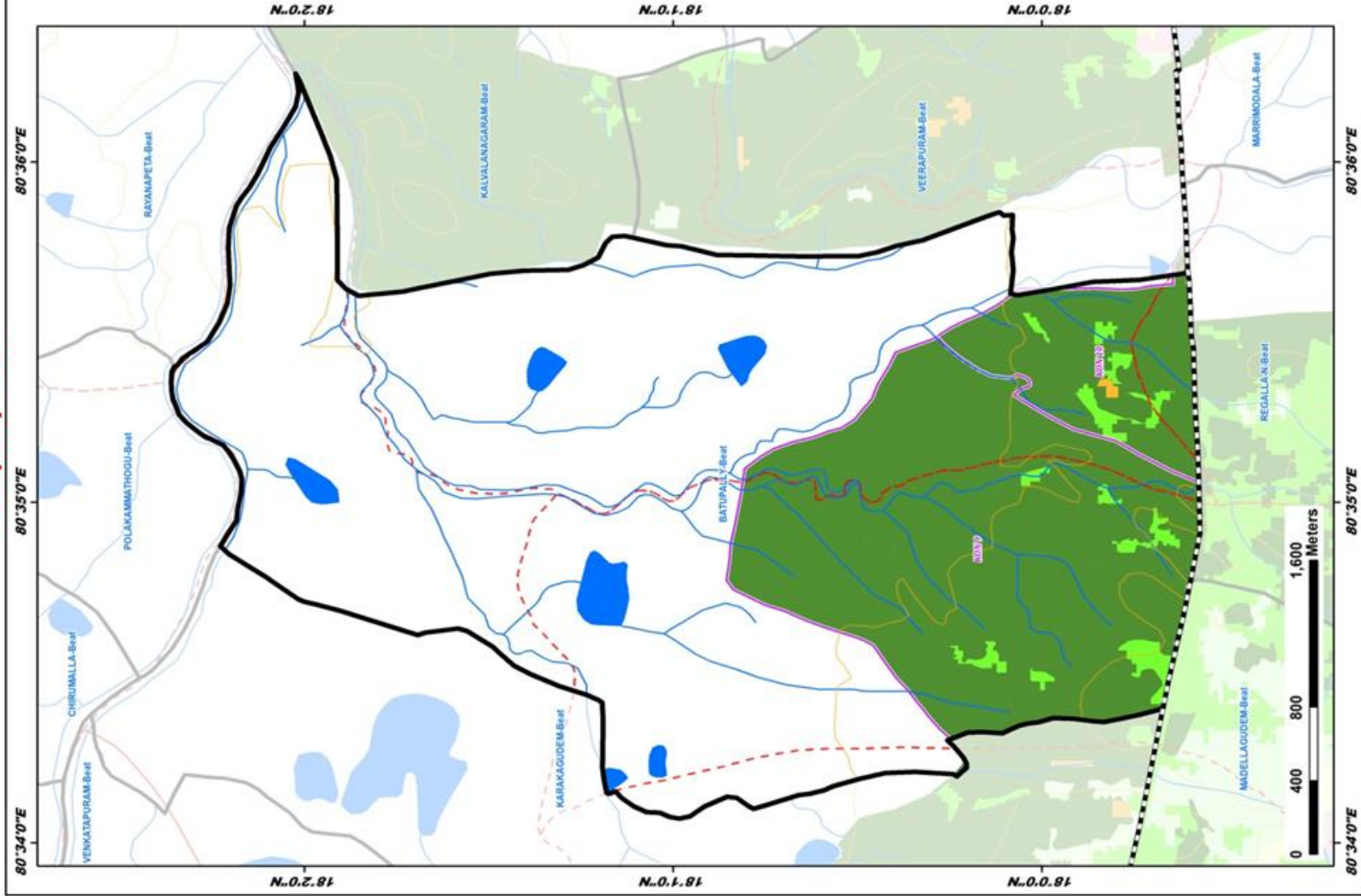
**Suitability Index**

- CCTs/STs - Highly Suitable
- CCTs/STs - Moderately Suitable
- CCTs/STs - 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 Batupally Beat



Division : Manuguru  
Range : E.Bayyaram



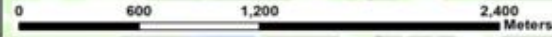
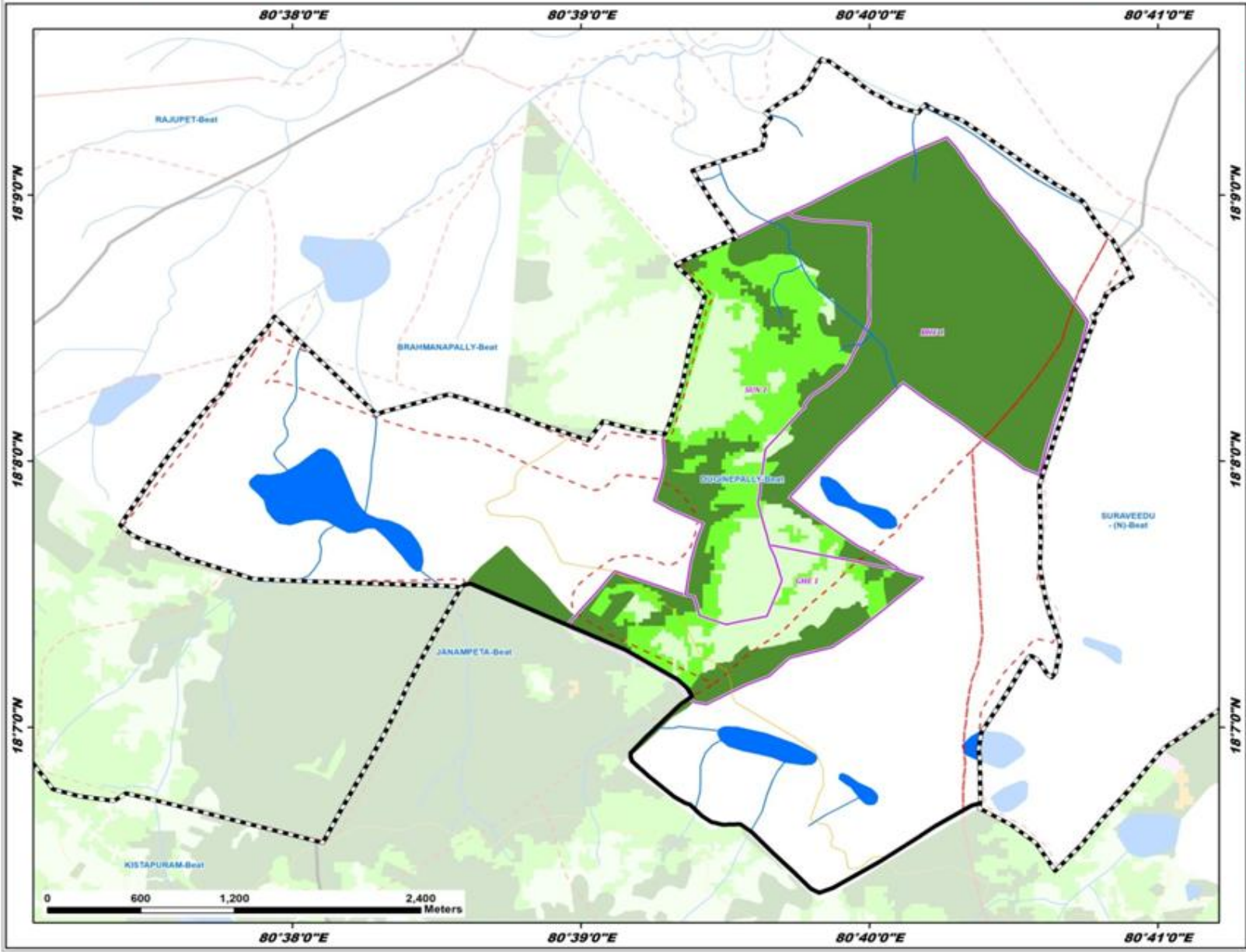
## LEGEND

- 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 Duginepally Beat



Division : Manuguru  
Range : E.Bayyaram



**LEGEND**

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

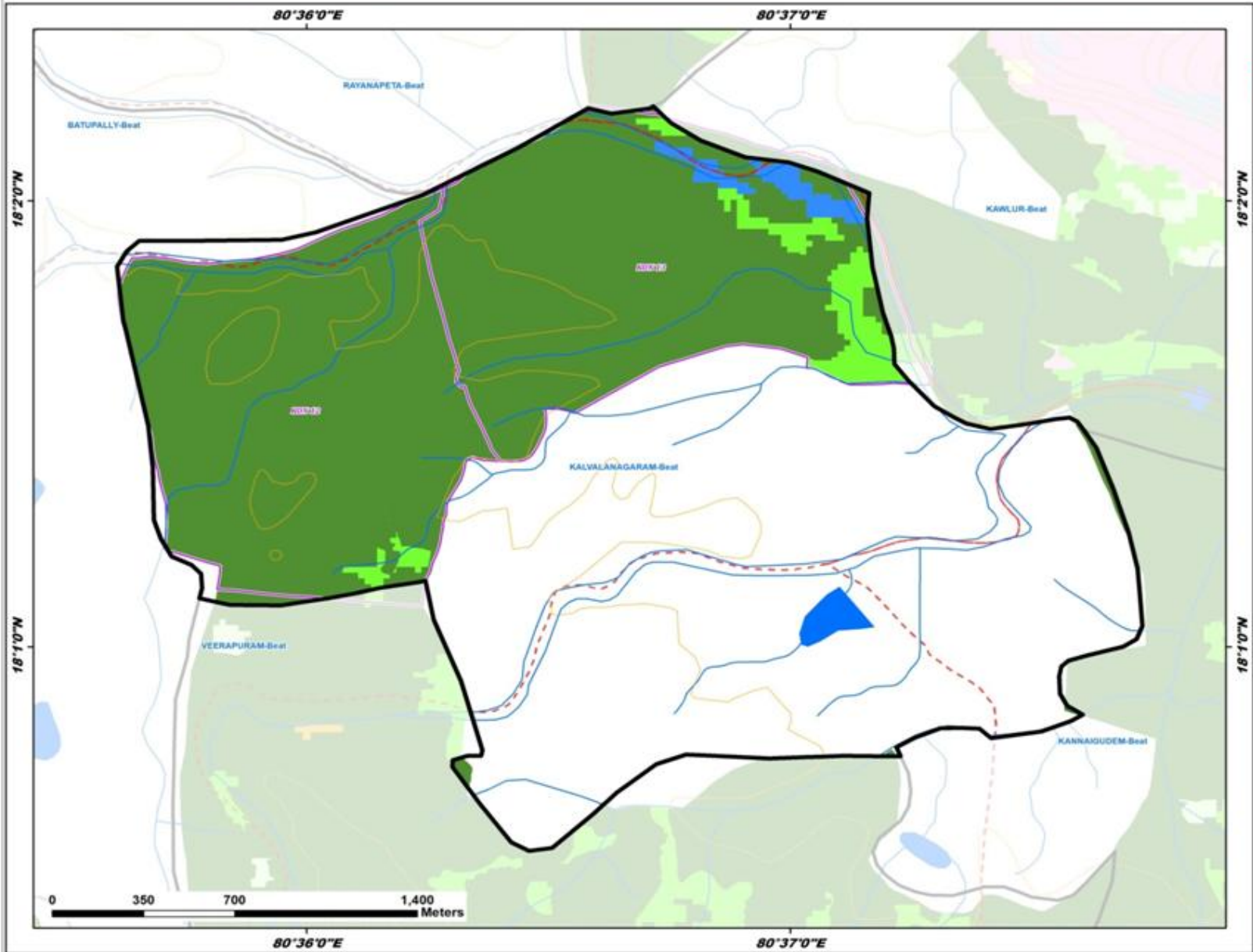
**Suitability Index**

- 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 Kalvalanagaram Beat



Division : Manuguru  
Range : E.Bayyaram



**LEGEND**

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

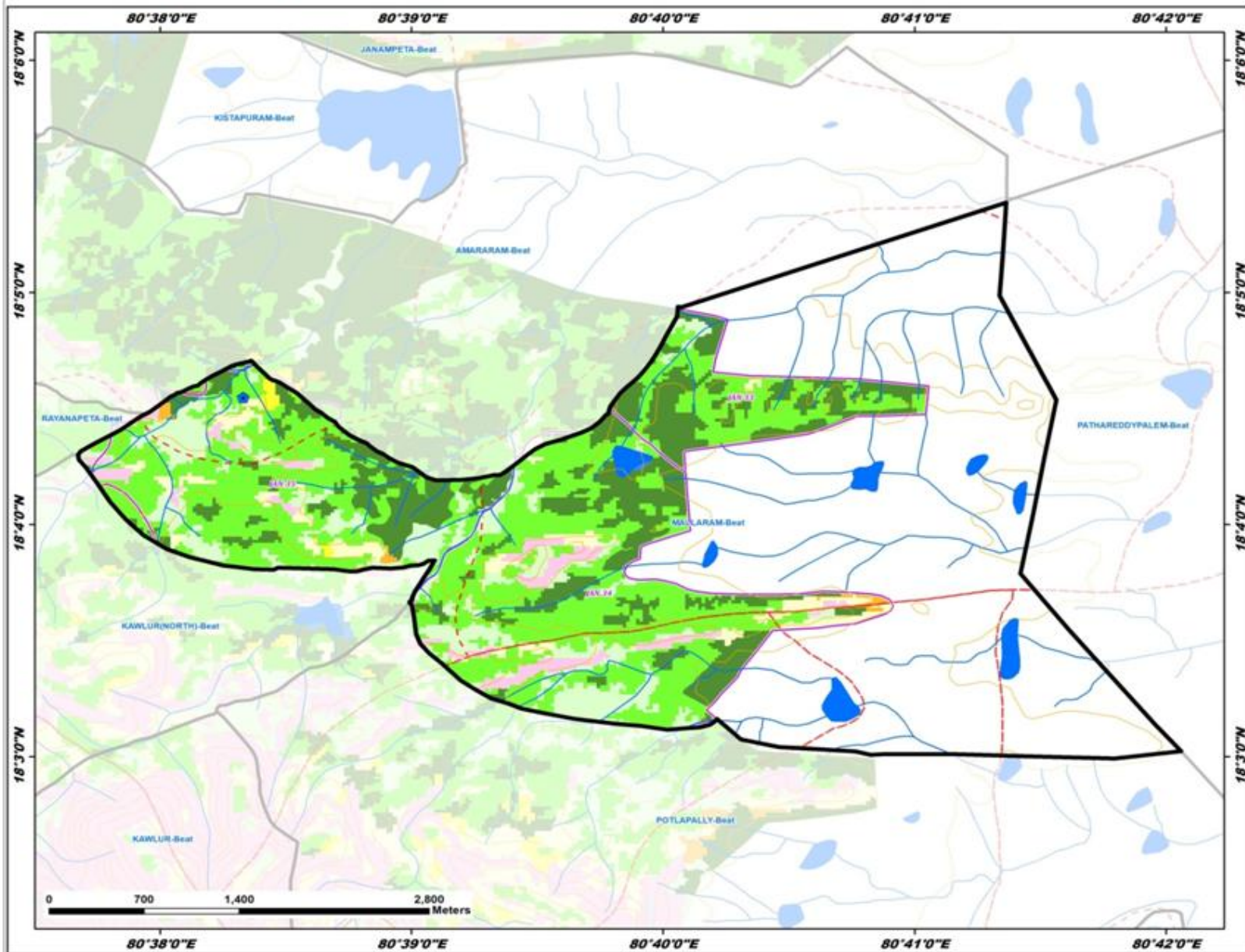
**Suitability Index**

- 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 Mallaram Beat



Division : Manuguru  
Range : E.Bayyaram



**LEGEND**

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

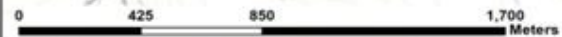
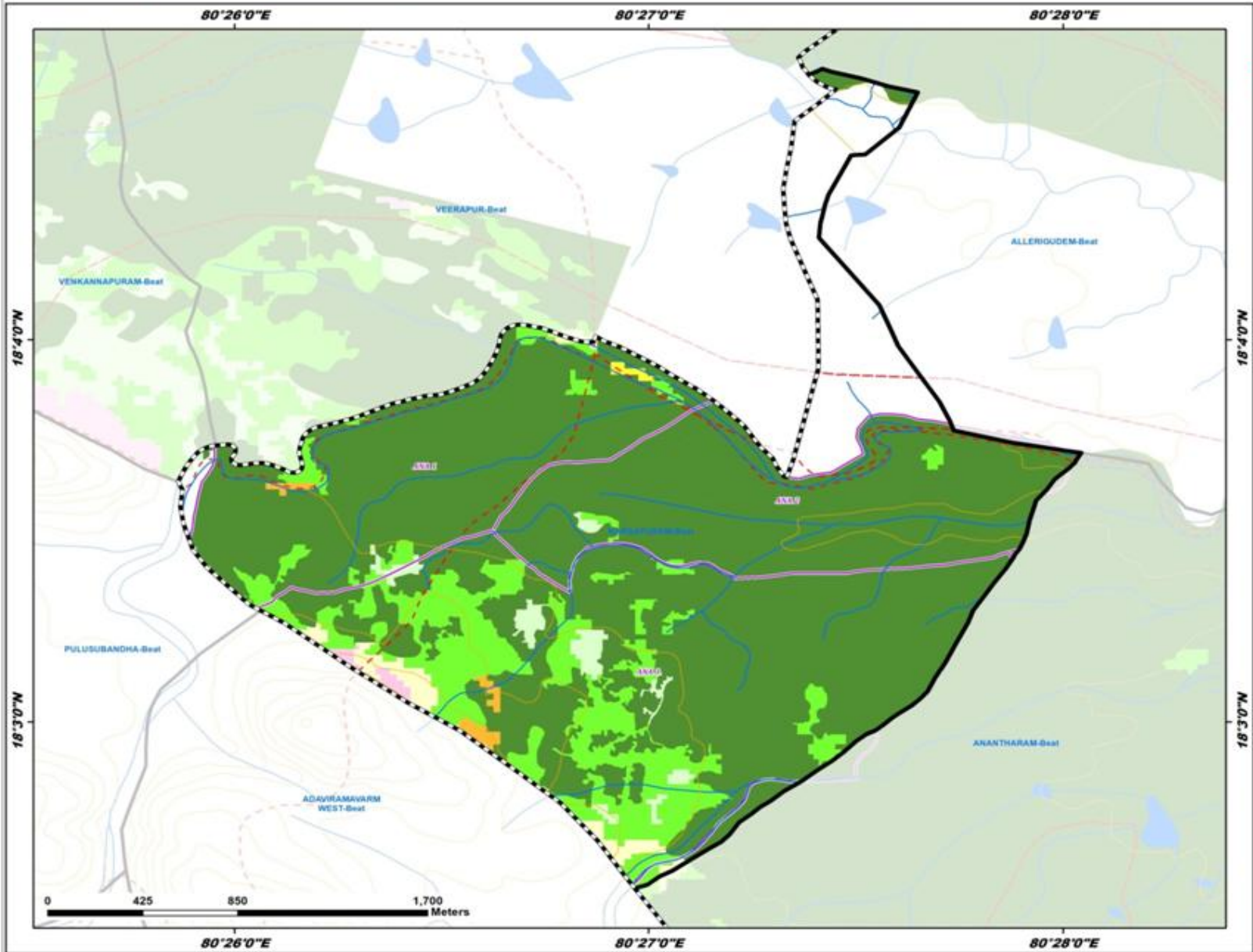
**Suitability Index**

- CCTs/STCs - Highly Suitable
- CCTs/STCs - Moderately Suitable
- CCTs/STCs - 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 Narsapuram Beat



Division : Manuguru  
Range : E.Bayyaram



**LEGEND**

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

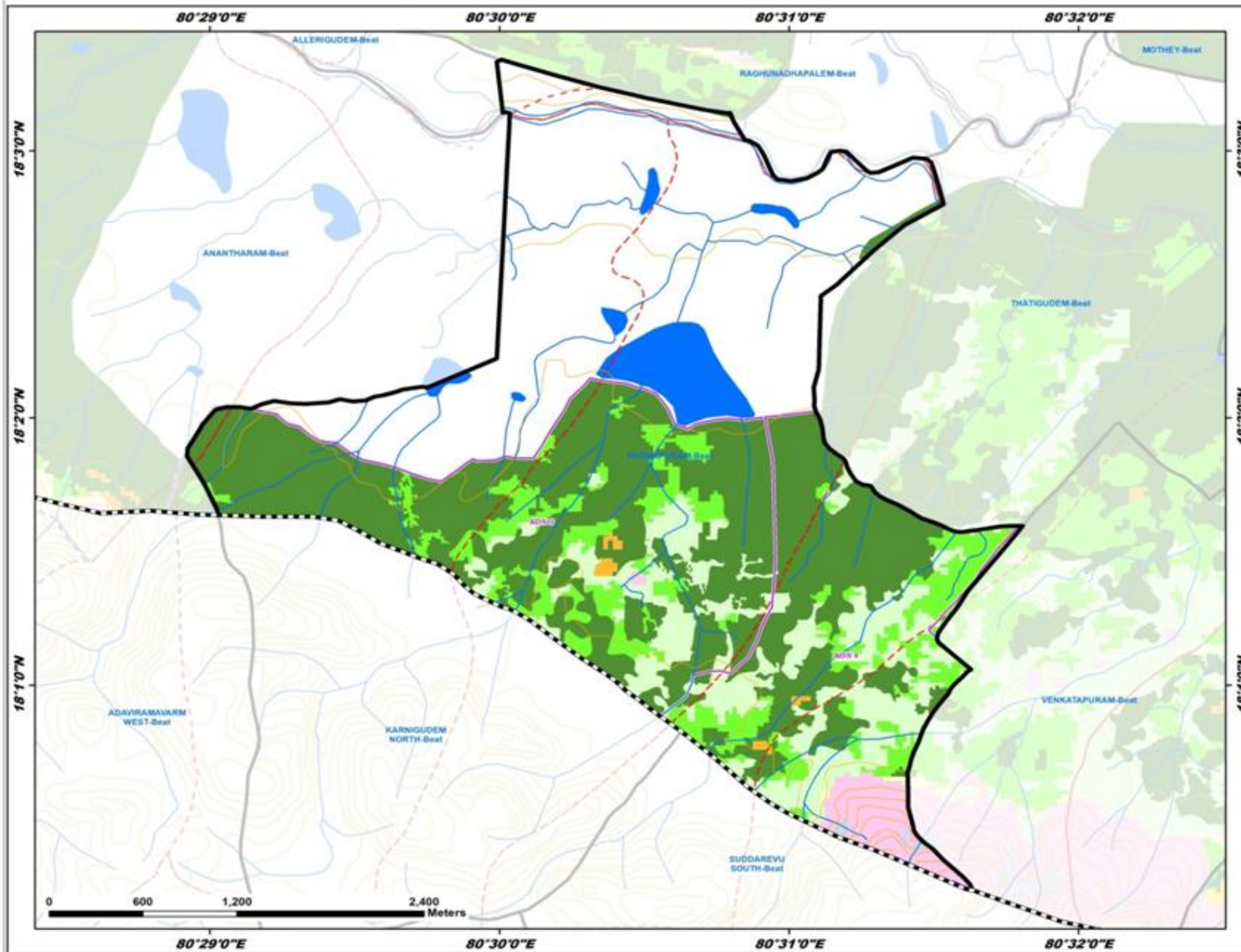
**Suitability Index**

- 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 Padmapuram Beat



Division : Manuguru  
Range : E.Bayyaram



**LEGEND**

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

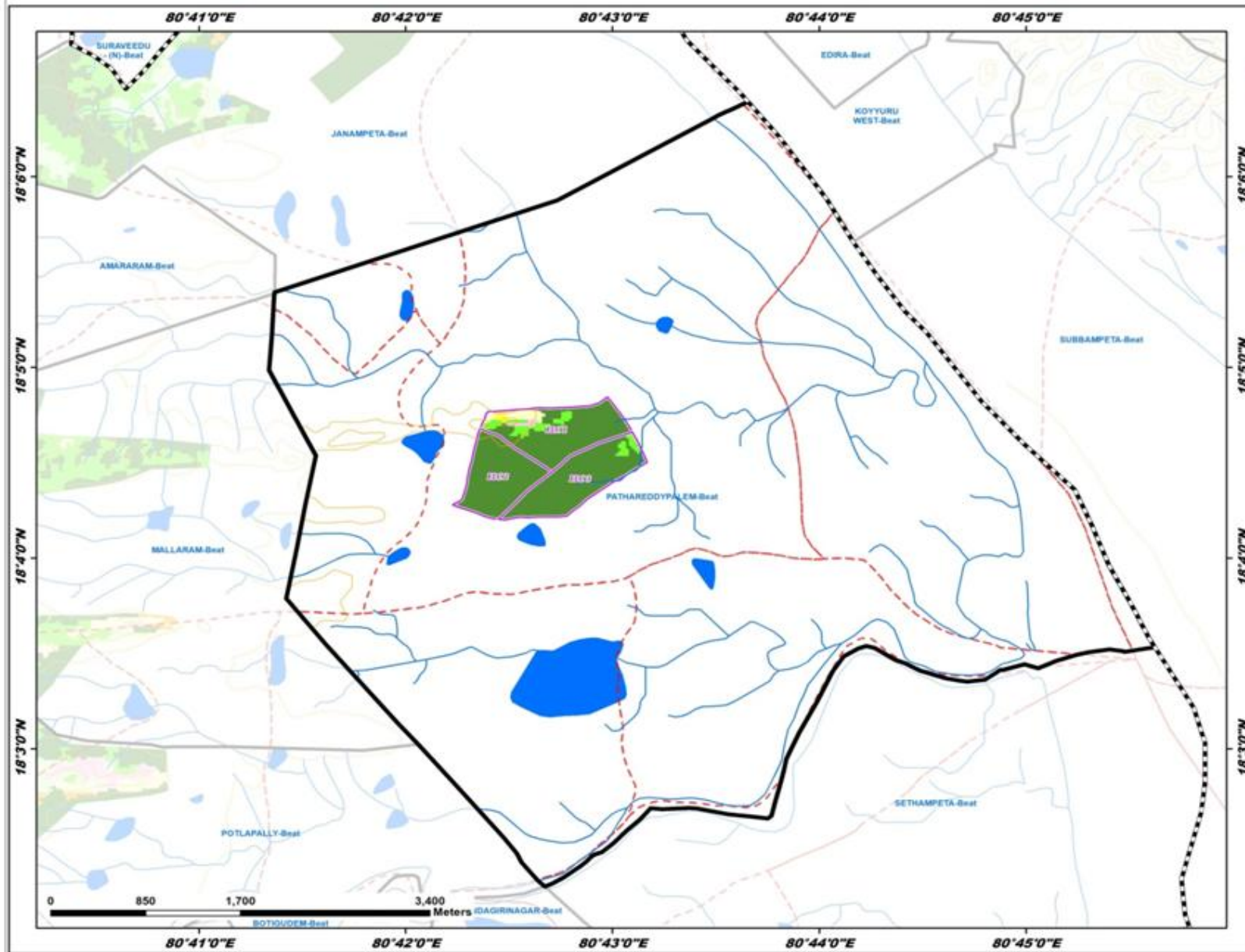
**Suitability Index**

- 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 Pathareddypalem Beat



Division : Manuguru  
Range : E.Bayyaram

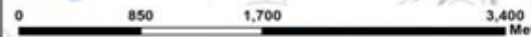


**LEGEND**

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

**Suitability Index**

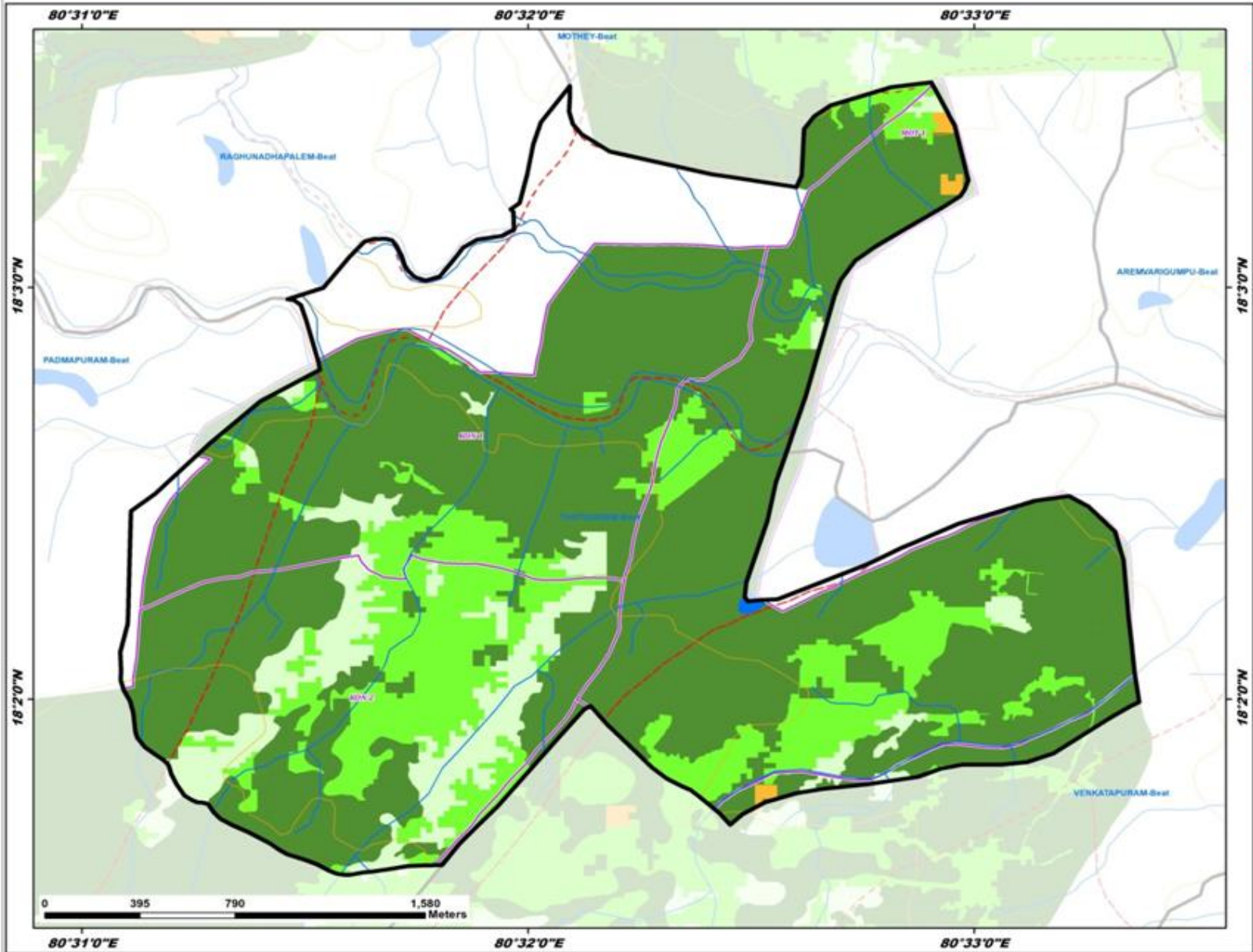
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability index for Construction of SMC Works of Thatigudem Beat



Division : Manuguru  
Range : E.Bayyaram



**LEGEND**

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

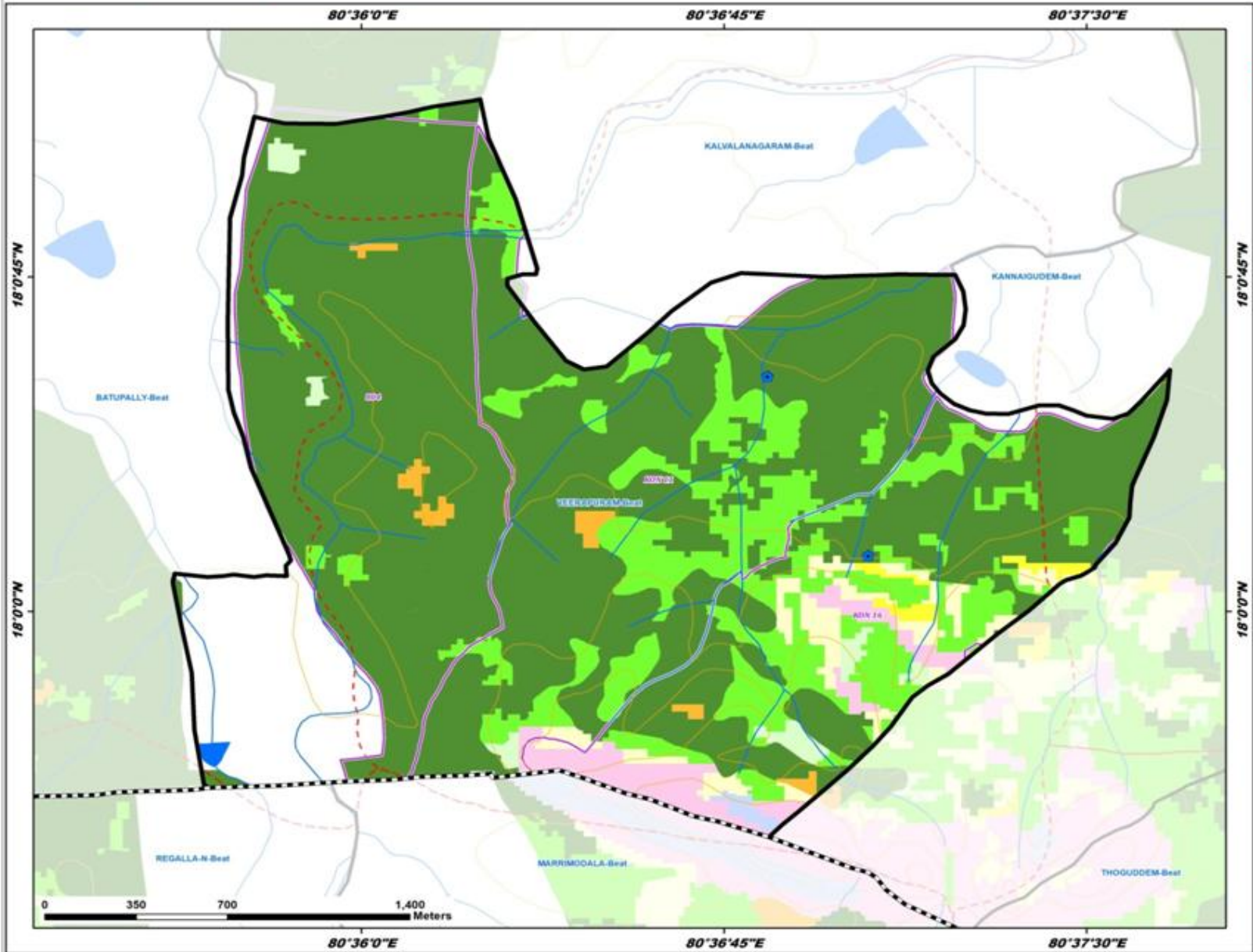
**Suitability Index**

- 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 Veerapuram Beat



Division : Manuguru  
Range : E.Bayyaram



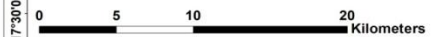
**LEGEND**

- 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

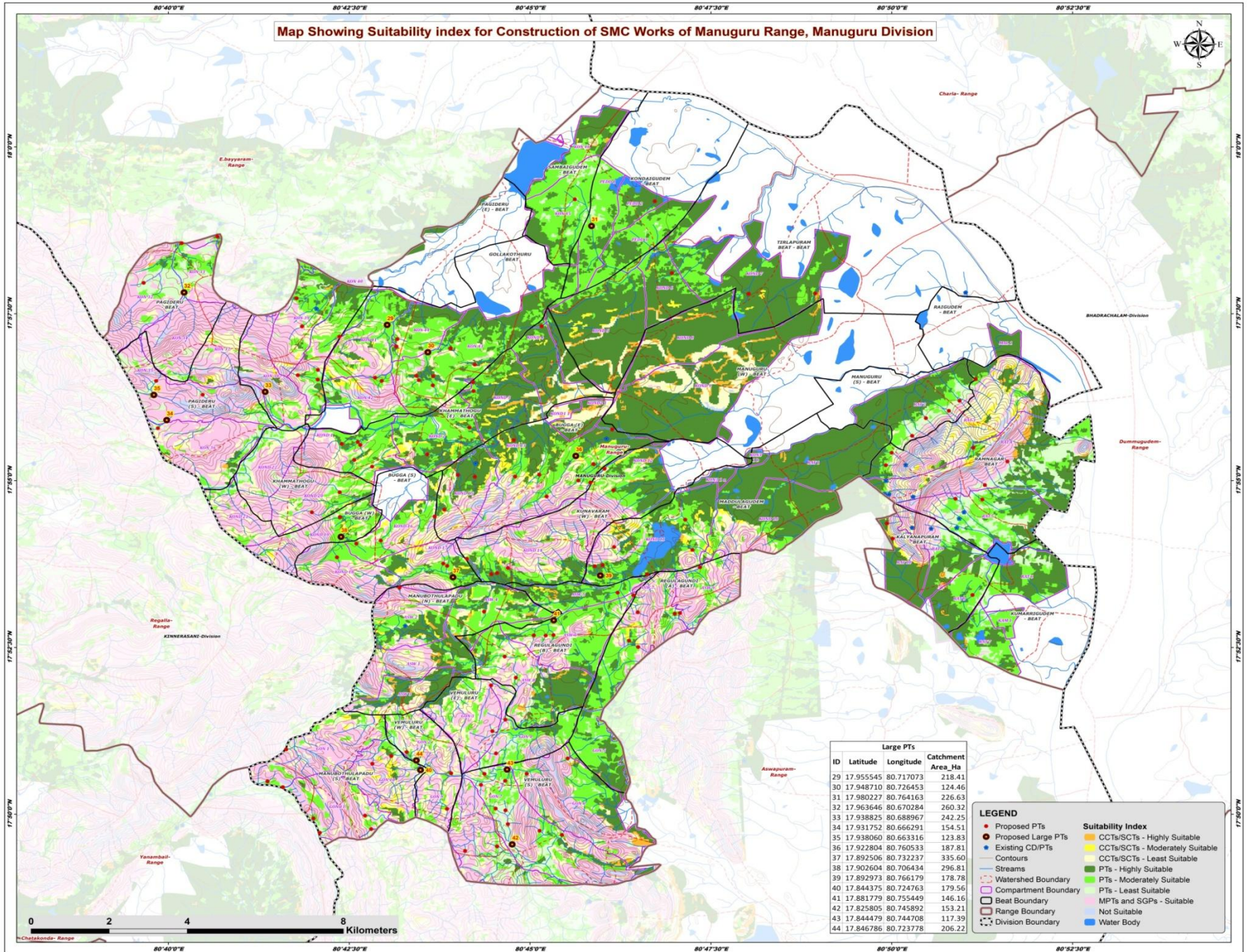
# Map Showing Manuguru Range in Manuguru Division



**Legend**

-  Division Boundary
-  Range Boundary

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

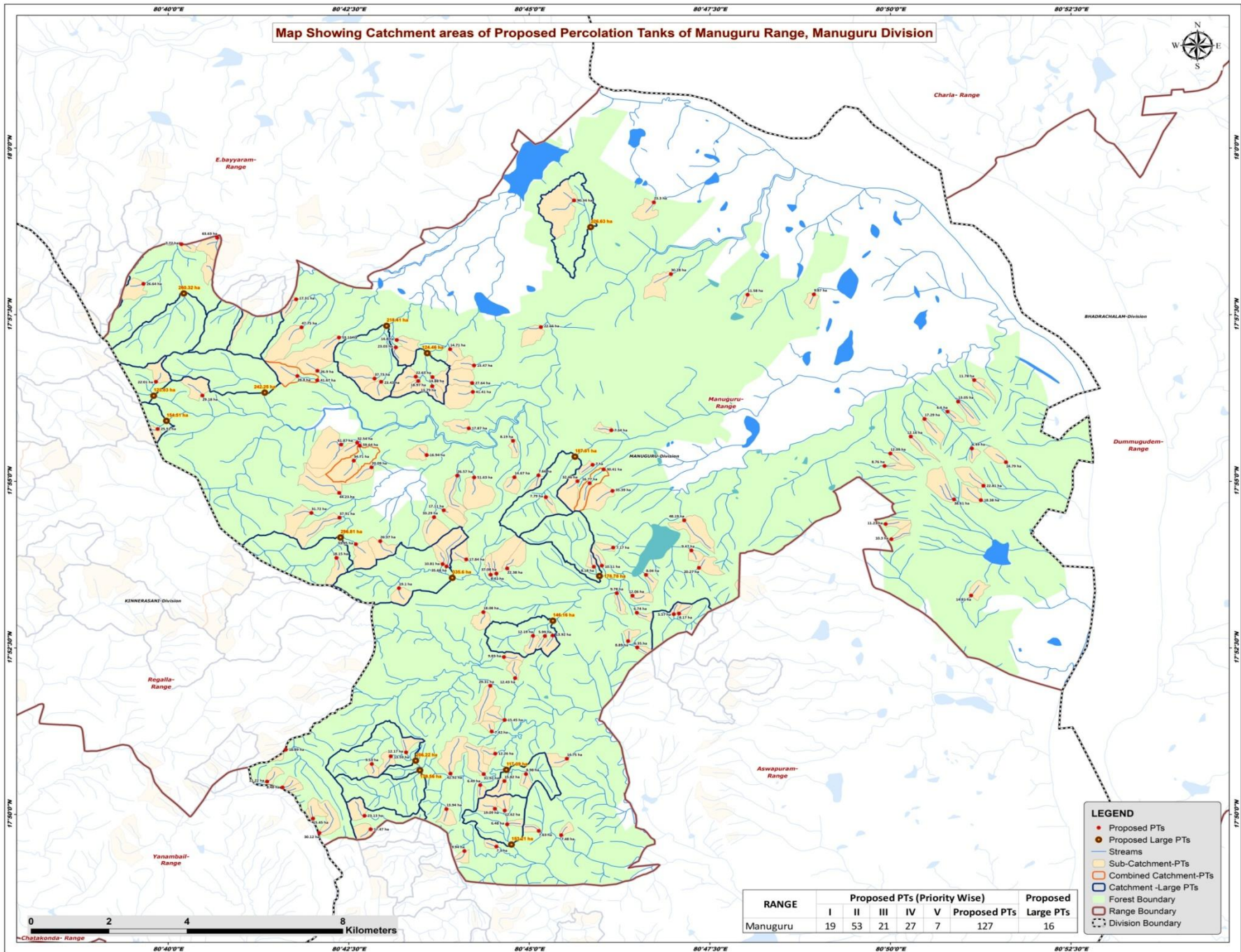


Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
29	17.955545	80.717073	218.41
30	17.948710	80.726453	124.46
31	17.980227	80.764163	226.63
32	17.963646	80.670284	260.32
33	17.938825	80.688967	242.25
34	17.931752	80.666291	154.51
35	17.938060	80.663316	123.83
36	17.922804	80.760533	187.81
37	17.892506	80.732237	335.60
38	17.902604	80.706434	296.81
39	17.892973	80.766179	178.78
40	17.844375	80.724763	179.56
41	17.881779	80.755449	146.16
42	17.825805	80.745892	153.21
43	17.844479	80.744708	117.39
44	17.846786	80.723778	206.22

**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

Map Showing Catchment areas of Proposed Percolation Tanks of Manuguru Range, Manuguru 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	
Manuguru	19	53	21	27	7	127
						16

0 2 4 8 Kilometers

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

S. No.	Beat	Proposed PT's
1	BUGGA(E)	11
2	BUGGA(S)	6
3	BUGGA(W)	1
4	GOLLAKOTHURU	10
5	KALYANAPURAM	3
6	KHAMMATHOGU(E)	10
7	KHAMMATHOGU(W)	2
8	KONDAIGUEDEM	1
9	KUNAVARAM WEST	6
10	MADDULAGUEDEM	6
11	MANUBOTHULAPADU (N)	2
12	MANUBOTHULAPADU (S)	9
13	MANUGURU (S)	4
14	PAGIDERU	3
15	PAGIDERU(E)	6
16	PAGIDERU(S)	3
17	RAMNAGAR	8
18	REGULAGUNDI (A)	6
19	REGULAGUNDI (B)	7
20	SAMBAIGUEDEM	1
21	TIRLAPURAM BEAT	3
22	VEMULURU (E)	4
23	VEMULURU (S)	12
24	VEMULURU (W)	3
	<b>Total</b>	<b>127</b>

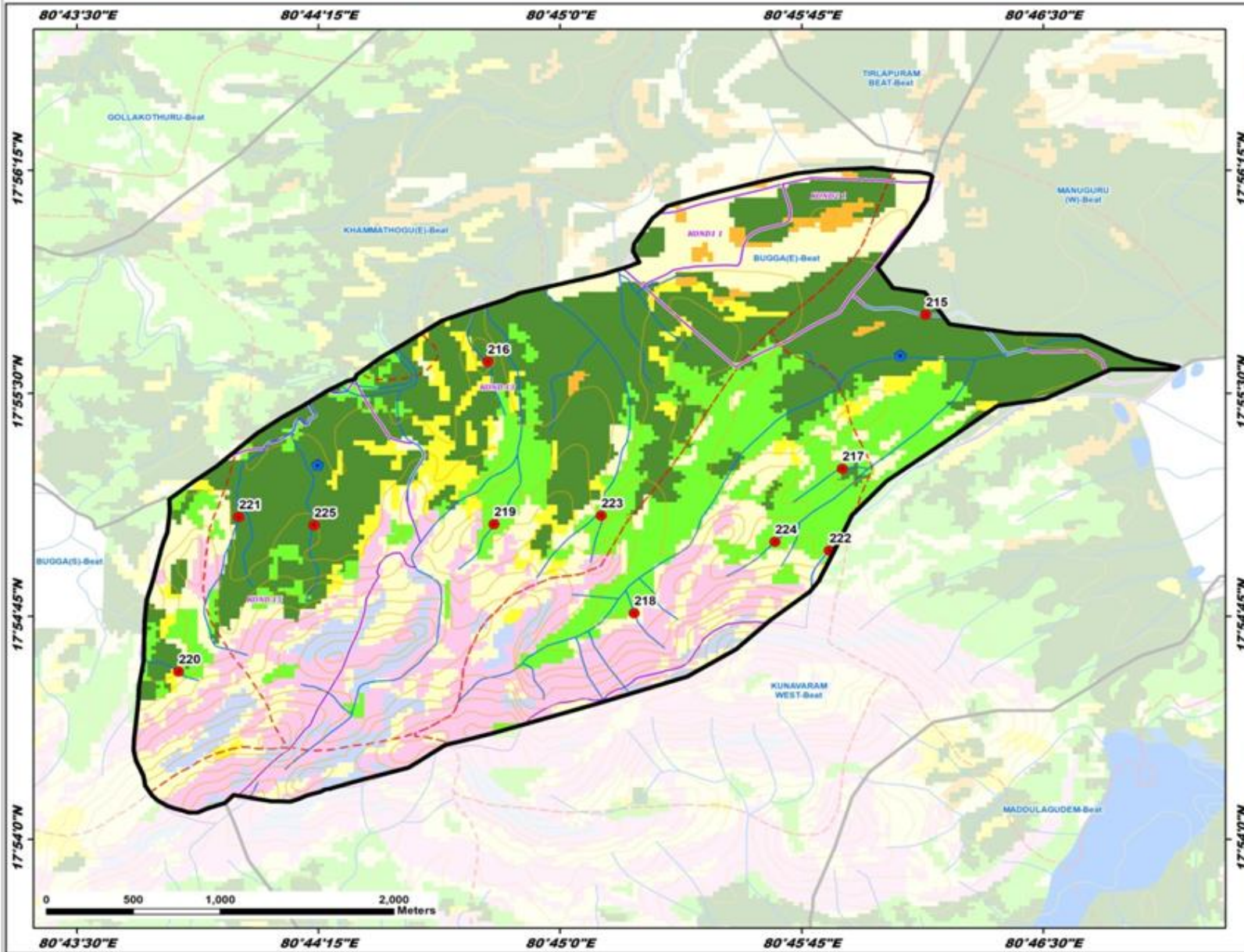
## List of Proposed PTs – Manuguru Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
191	17.941723	80.724390	18.97	I	GOLLAKOTHURU	233	17.929906	80.736037	17.87	I	KHAMMATHOUGU(E)	275	17.877954	80.753609	5.99	II	REGULAGUNDI (B)
192	17.942814	80.723808	22.63	I	GOLLAKOTHURU	234	17.923219	80.726331	16.94	II	KHAMMATHOUGU(E)	276	17.888674	80.770199	9.78	II	REGULAGUNDI (B)
193	17.949704	80.731729	14.71	I	GOLLAKOTHURU	235	17.920149	80.713609	20.09	II	KHAMMATHOUGU(E)	277	17.872703	80.744156	9.83	II	REGULAGUNDI (B)
194	17.942720	80.727658	14.88	II	GOLLAKOTHURU	236	17.955227	80.752684	22.66	II	KHAMMATHOUGU(E)	278	17.888040	80.773816	12.06	II	REGULAGUNDI (B)
195	17.952003	80.719418	14.80	II	GOLLAKOTHURU	237	17.941218	80.736814	27.64	III	KHAMMATHOUGU(E)	279	17.878081	80.755401	13.92	II	REGULAGUNDI (B)
196	17.941556	80.715822	23.43	II	GOLLAKOTHURU	238	17.921830	80.709512	34.71	III	KHAMMATHOUGU(E)	280	17.867440	80.746735	12.43	IV	REGULAGUNDI (B)
197	17.945620	80.737240	15.47	II	GOLLAKOTHURU	239	17.926307	80.710296	32.54	III	KHAMMATHOUGU(E)	281	17.856950	80.744305	15.45	II	VEMULURU (E)
198	17.940442	80.727606	13.79	II	GOLLAKOTHURU	240	17.939000	80.736971	41.41	III	KHAMMATHOUGU(E)	282	17.865502	80.741009	29.31	III	VEMULURU (E)
199	17.950164	80.719203	23.03	II	GOLLAKOTHURU	241	17.925855	80.706594	61.87	IV	KHAMMATHOUGU(E)	283	17.848540	80.742150	12.26	IV	VEMULURU (E)
200	17.942341	80.714306	37.73	III	GOLLAKOTHURU	242	17.925543	80.710879	59.64	IV	KHAMMATHOUGU(E)	284	17.854090	80.741322	7.42	IV	VEMULURU (E)
201	17.986428	80.778746	23.30	I	KONDAIGUDEM	243	17.913736	80.706157	44.23	III	KHAMMATHOUGU(W)	285	17.847270	80.758685	14.75	II	VEMULURU (S)
202	17.975956	80.669720	7.72	II	PAGIDERU	244	17.908739	80.699725	31.72	V	KHAMMATHOUGU(W)	286	17.829225	80.752194	7.63	II	VEMULURU (S)
203	17.977581	80.677972	63.63	IV	PAGIDERU	245	17.893293	80.741088	8.41	I	KUNAVARAM WEST	287	17.841680	80.744263	15.82	II	VEMULURU (S)
204	17.966024	80.660973	26.64	V	PAGIDERU	246	17.897113	80.735450	17.84	I	KUNAVARAM WEST	288	17.828159	80.757370	7.48	II	VEMULURU (S)
205	17.962183	80.696214	17.31	II	PAGIDERU(E)	247	17.894846	80.744910	22.38	I	KUNAVARAM WEST	289	17.843455	80.749243	8.98	II	VEMULURU (S)
206	17.942970	80.696511	28.80	II	PAGIDERU(E)	248	17.893586	80.742431	37.08	II	KUNAVARAM WEST	290	17.843409	80.739491	31.92	III	VEMULURU (S)
207	17.944295	80.701124	26.90	III	PAGIDERU(E)	249	17.914256	80.769200	35.39	III	KUNAVARAM WEST	291	17.825295	80.742419	7.30	IV	VEMULURU (S)
208	17.955156	80.697457	47.75	III	PAGIDERU(E)	250	17.919637	80.767157	30.41	III	KUNAVARAM WEST	292	17.834771	80.742086	19.09	IV	VEMULURU (S)
209	17.952610	80.706086	53.11	IV	PAGIDERU(E)	251	17.895291	80.764908	8.18	I	MADDULAGUDEM	293	17.830874	80.744888	6.48	IV	VEMULURU (S)
210	17.941902	80.701097	41.67	III	PAGIDERU(E)	252	17.893263	80.776928	8.04	II	MADDULAGUDEM	294	17.834311	80.744351	12.62	IV	VEMULURU (S)
211	17.941554	80.663856	22.01	IV	PAGIDERU(S)	253	17.899360	80.787397	9.47	II	MADDULAGUDEM	295	17.824181	80.735030	9.94	IV	VEMULURU (S)
212	17.929743	80.664255	25.51	V	PAGIDERU(S)	254	17.900072	80.769362	7.17	II	MADDULAGUDEM	296	17.840672	80.738676	6.49	IV	VEMULURU (S)
213	17.938108	80.674573	29.18	V	PAGIDERU(S)	255	17.895536	80.766740	10.11	II	MADDULAGUDEM	297	17.843557	80.731820	42.92	II	VEMULURU (W)
214	17.986892	80.760331	90.34	V	SAMBAIGUDEM	256	17.906895	80.785761	48.19	III	MADDULAGUDEM	298	17.834685	80.730887	13.94	II	VEMULURU (W)
215	17.929409	80.768926	7.34	I	BUGGA(E)	257	17.889921	80.719922	19.10	I	MANUBOTHULAPADU (N)	299	17.848850	80.721571	12.17	II	VEMULURU (W)
216	17.926773	80.746257	8.19	I	BUGGA(E)	258	17.883920	80.739401	18.08	II	MANUBOTHULAPADU (N)	300	17.905957	80.832235	11.23	I	KALYANAPURAM
217	17.920776	80.764608	7.00	I	BUGGA(E)	259	17.847866	80.718048	13.59	II	MANUBOTHULAPADU (S)	301	17.902173	80.833565	10.30	I	KALYANAPURAM
218	17.912686	80.753838	7.79	II	BUGGA(E)	260	17.833003	80.711996	23.13	II	MANUBOTHULAPADU (S)	302	17.888076	80.851956	14.81	II	KALYANAPURAM
219	17.917668	80.746589	14.67	II	BUGGA(E)	261	17.840076	80.693061	8.48	II	MANUBOTHULAPADU (S)	303	17.927834	80.838051	12.16	IV	MANUGURU (S)
220	17.909400	80.730259	17.11	II	BUGGA(E)	262	17.829612	80.713411	17.47	IV	MANUBOTHULAPADU (S)	304	17.936595	80.848976	13.05	IV	MANUGURU (S)
221	17.918070	80.733378	26.57	II	BUGGA(E)	263	17.849531	80.693803	18.89	IV	MANUBOTHULAPADU (S)	305	17.932243	80.841202	17.29	IV	MANUGURU (S)
222	17.916186	80.763933	16.77	II	BUGGA(E)	264	17.845953	80.713662	9.53	IV	MANUBOTHULAPADU (S)	306	17.934074	80.846513	6.60	IV	MANUGURU (S)
223	17.918146	80.752132	7.66	II	BUGGA(E)	265	17.832315	80.700099	15.45	IV	MANUBOTHULAPADU (S)	307	17.941970	80.852670	11.78	I	RAMNAGAR
224	17.916687	80.761125	32.46	III	BUGGA(E)	266	17.841559	80.689503	11.22	IV	MANUBOTHULAPADU (S)	308	17.924865	80.852130	6.49	I	RAMNAGAR
225	17.917616	80.737277	51.63	III	BUGGA(E)	267	17.828695	80.701561	30.12	V	MANUBOTHULAPADU (S)	309	17.911930	80.854208	18.38	II	RAMNAGAR
226	17.895951	80.729989	10.81	II	BUGGA(S)	268	17.883567	80.784543	8.17	II	REGULAGUNDI (A)	310	17.915526	80.854812	22.81	IV	RAMNAGAR
227	17.897493	80.705511	18.15	II	BUGGA(S)	269	17.883412	80.783343	5.57	II	REGULAGUNDI (A)	311	17.923606	80.833321	12.09	IV	RAMNAGAR
228	17.901682	80.715604	26.37	III	BUGGA(S)	270	17.895006	80.789164	20.27	II	REGULAGUNDI (A)	312	17.921427	80.860010	14.79	IV	RAMNAGAR
229	17.900924	80.709997	33.95	III	BUGGA(S)	271	17.876668	80.772812	8.89	II	REGULAGUNDI (A)	313	17.920483	80.831999	8.76	IV	RAMNAGAR
230	17.895370	80.730904	35.68	III	BUGGA(S)	272	17.875117	80.774901	6.35	II	REGULAGUNDI (A)	314	17.912120	80.848030	38.61	V	RAMNAGAR
231	17.907663	80.728039	33.29	III	BUGGA(S)	273	17.883767	80.774838	6.74	II	REGULAGUNDI (A)	315	17.963392	80.815676	9.87	I	TIRLAPURAM BEAT
232	17.907552	80.706211	37.91	II	BUGGA(W)	274	17.878001	80.750878	12.19	II	REGULAGUNDI (B)	316	17.963329	80.800392	11.58	I	TIRLAPURAM BEAT
												317	17.968487	80.782696	30.28	III	TIRLAPURAM BEAT

# Map Showing Suitability index for Construction of SMC Works of Bugga East Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
215	17.929409	80.768926	7.34	I
216	17.926773	80.746257	8.19	I
217	17.920776	80.764608	7.00	I
218	17.912686	80.753838	7.79	II
219	17.917668	80.746589	14.67	II
220	17.909400	80.730259	17.11	II
221	17.918070	80.733378	26.52	II
222	17.916186	80.763933	16.77	II
223	17.918146	80.752132	7.66	II
224	17.916687	80.761125	32.46	III
225	17.917616	80.737277	51.63	III

**LEGEND**

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

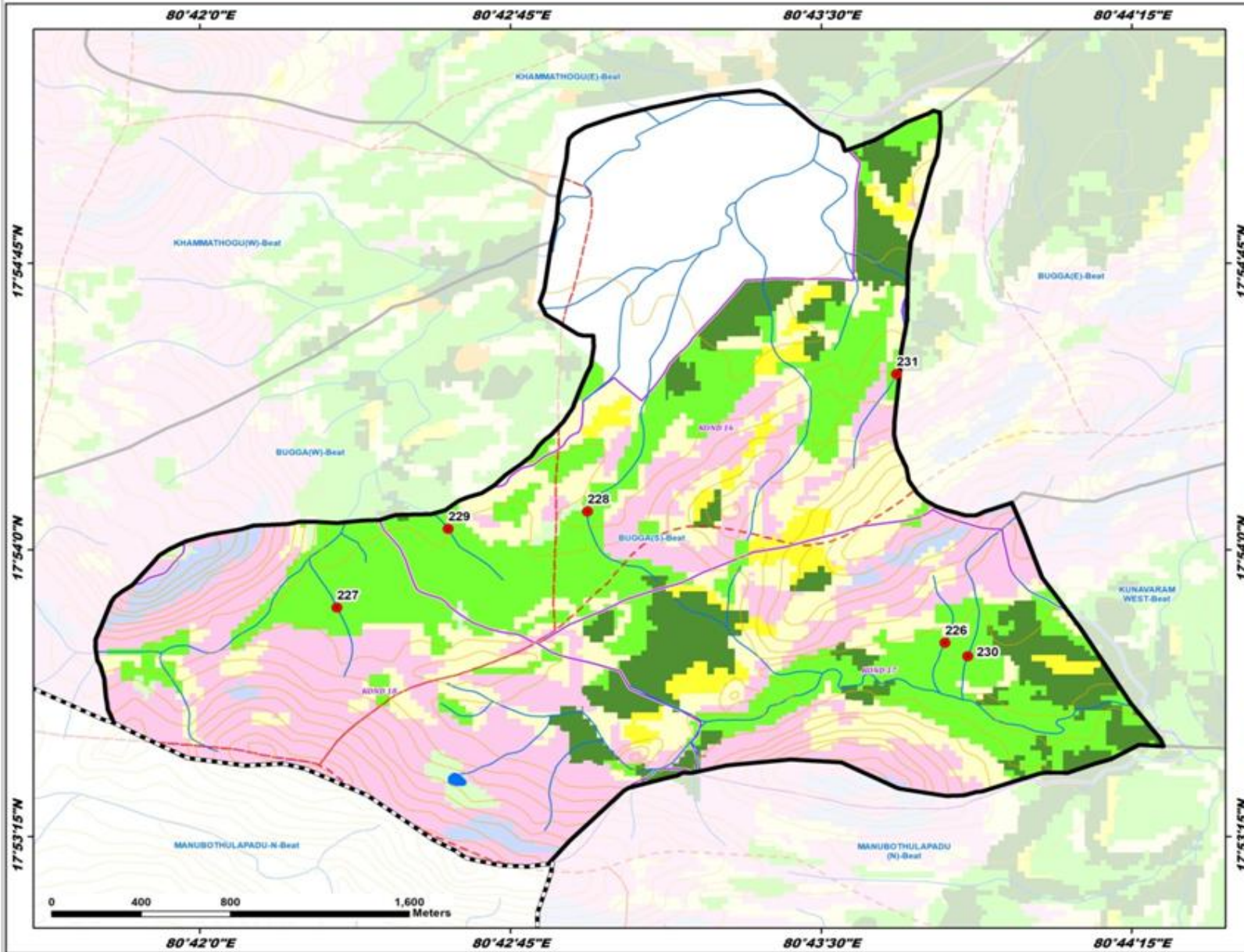
**Suitability Index**

- 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 Bugga South Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
226	17.895951	80.729989	10.81	II
227	17.897493	80.705511	18.15	II
228	17.901682	80.715604	26.37	III
229	17.900924	80.709997	33.95	III
230	17.895370	80.730904	35.68	III
231	17.907663	80.728039	33.29	III

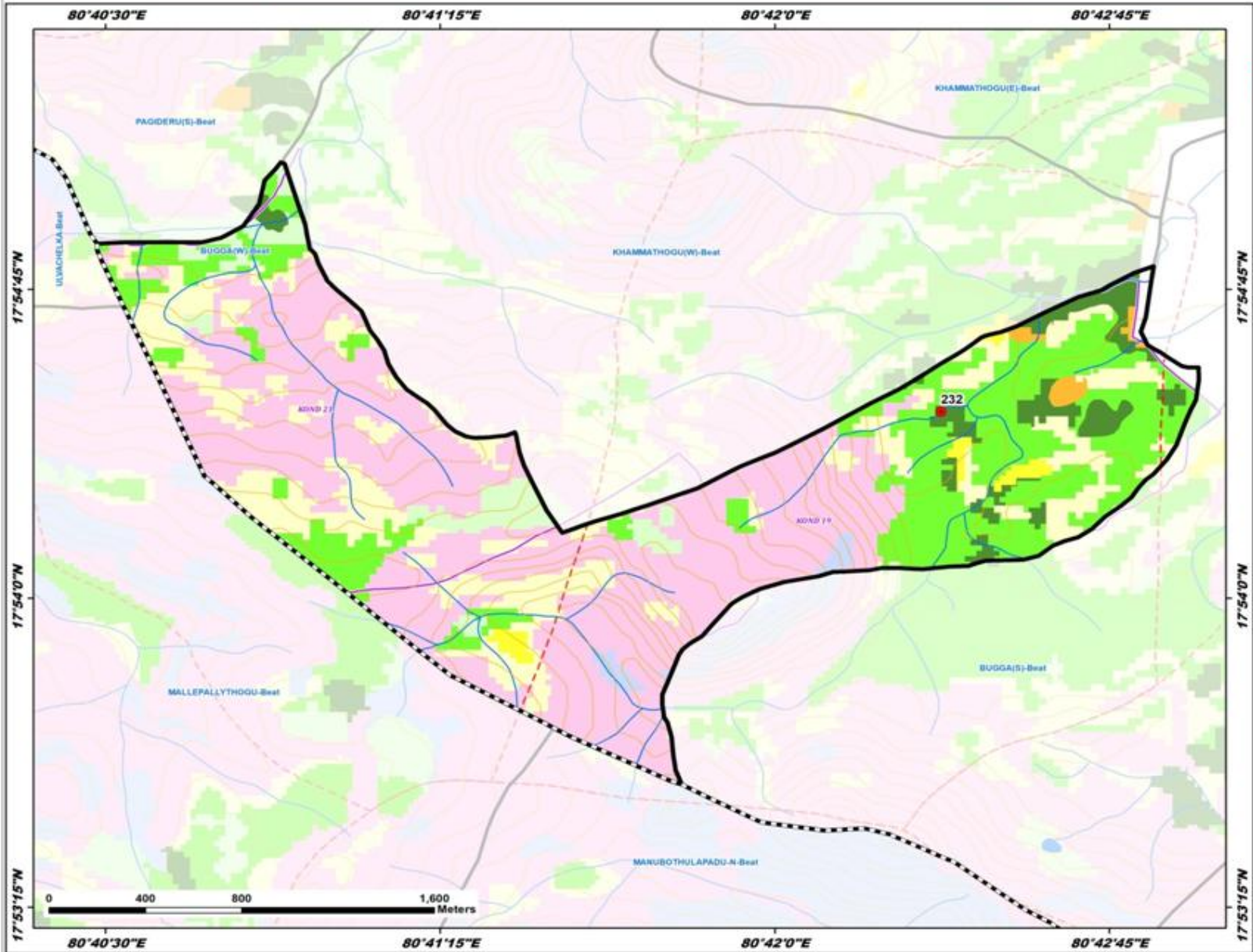
**LEGEND**

- 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 Bugga West Beat



Division : Manuguru  
Range : Manuguru

ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
232	17.907552	80.706211	37.91	II

**LEGEND**

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

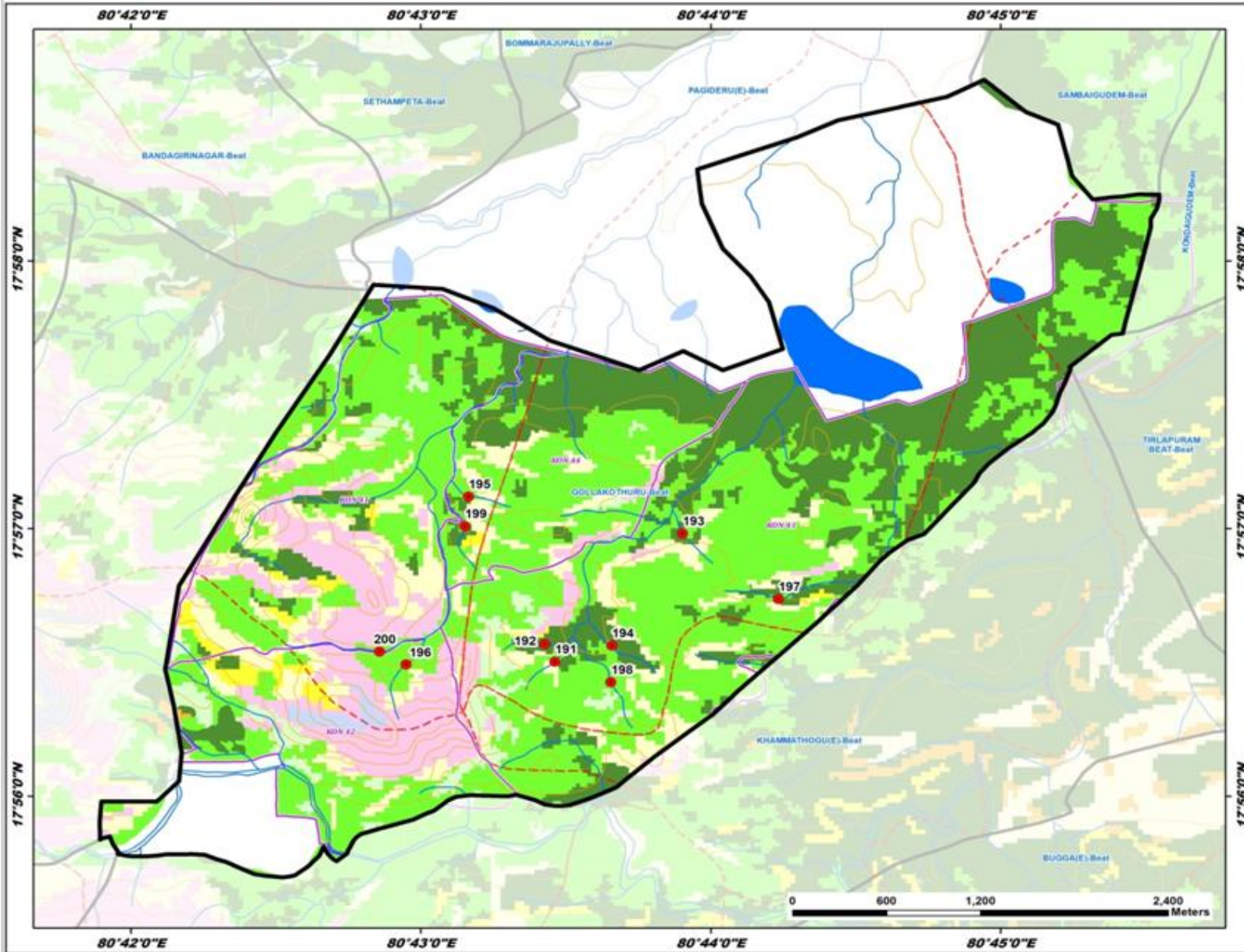
**Suitability Index**

- CCTs/STCs - Highly Suitable
- CCTs/STCs - Moderately Suitable
- CCTs/STCs - 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 Gollakothuru Beat



Division : Manuguru  
Range : Manuguru



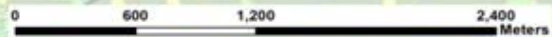
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
191	17.941723	80.724390	18.97	I
192	17.942814	80.723808	22.63	I
193	17.949704	80.731729	14.71	I
194	17.942720	80.727658	14.88	II
195	17.952003	80.719418	14.80	II
196	17.941556	80.715822	23.43	II
197	17.945620	80.737240	15.47	II
198	17.940442	80.727606	13.79	II
199	17.950164	80.719203	23.03	II
200	17.942341	80.714306	37.73	III

**LEGEND**

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

**Suitability Index**

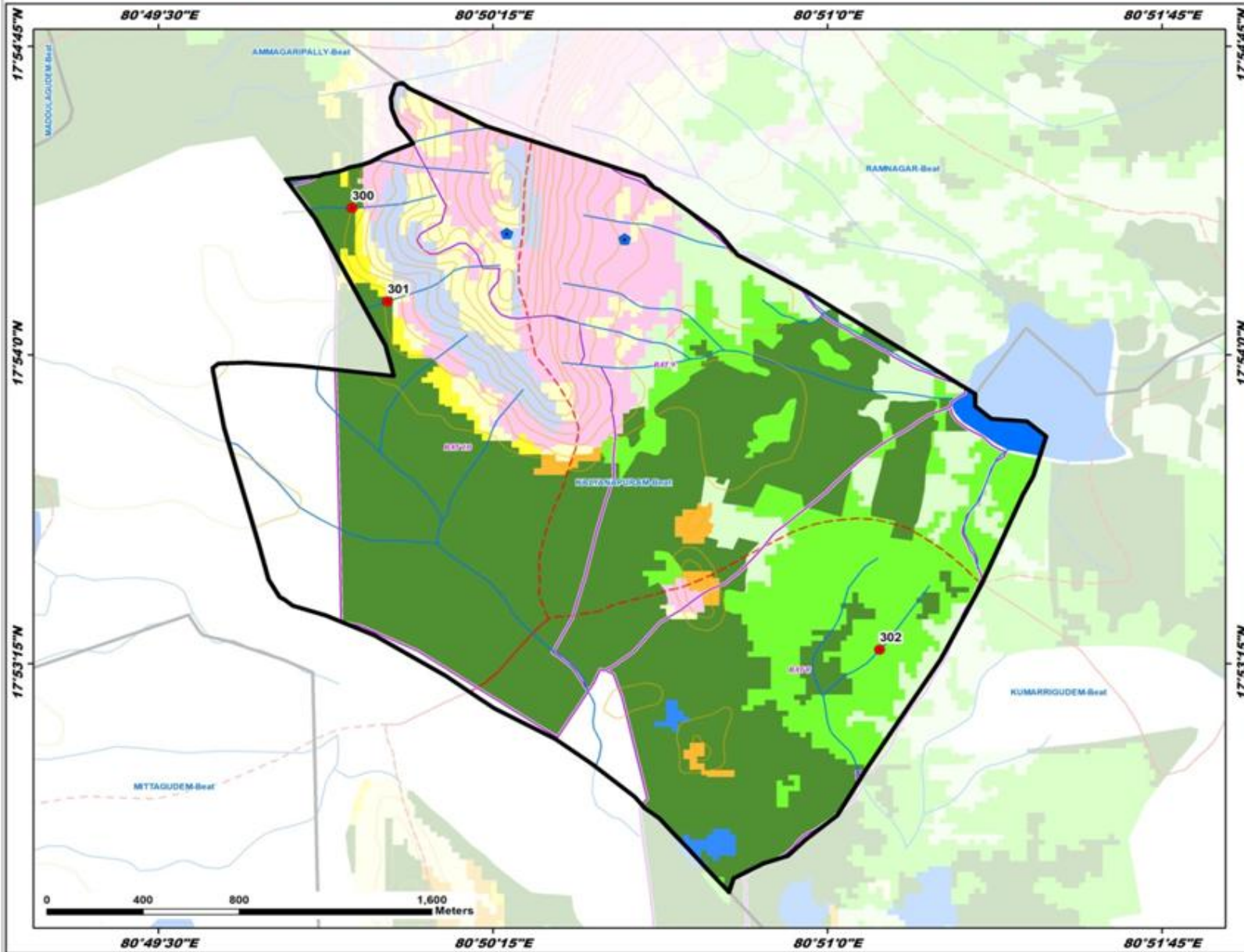
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability index for Construction of SMC Works of Kalyanapuram Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
300	17.905957	80.832235	11.23	I
301	17.902173	80.833565	10.30	I
302	17.888076	80.851956	14.81	II

**LEGEND**

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

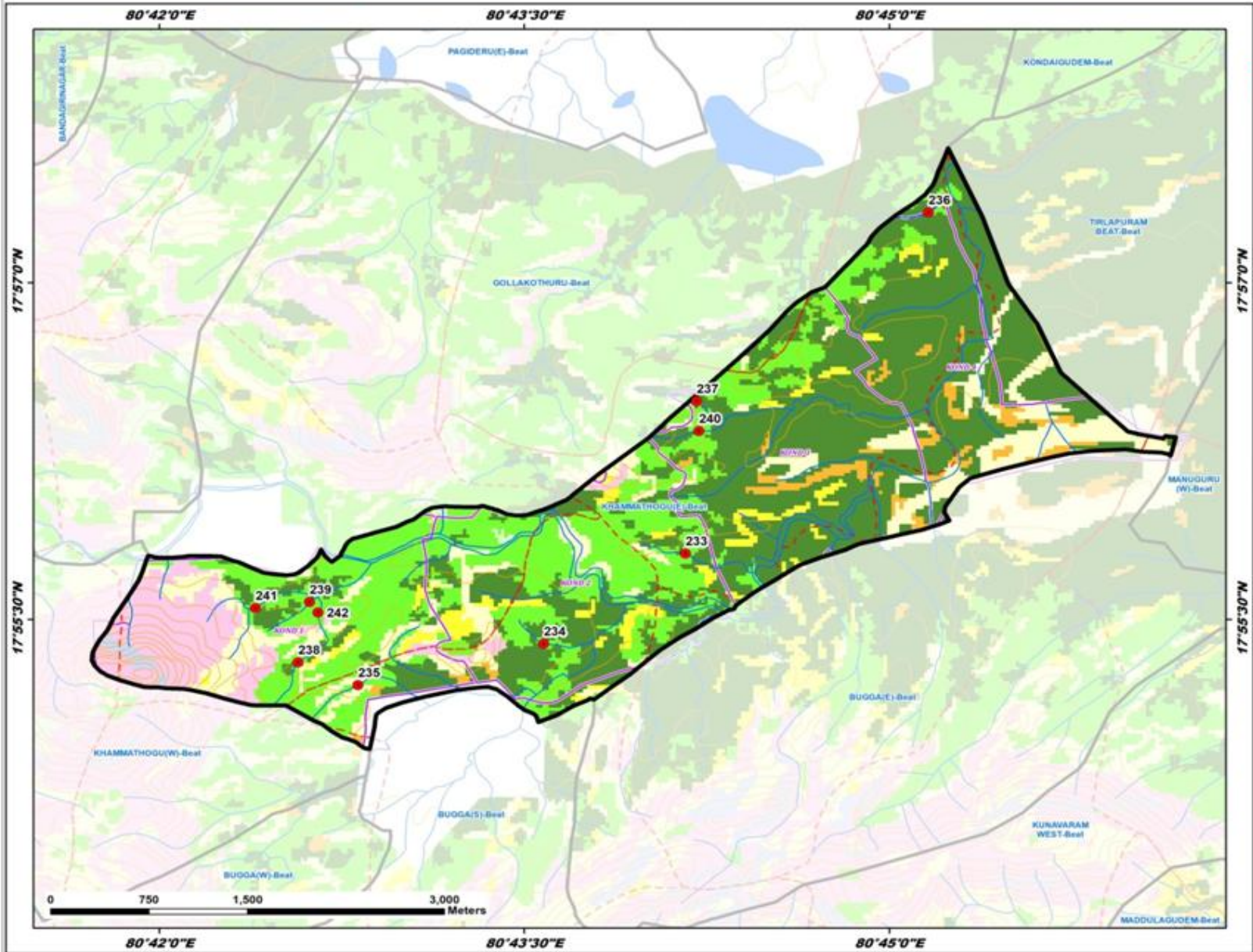
**Suitability Index**

- 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 Khammathogu East Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
233	17.929906	80.736037	17.87	I
234	17.923219	80.726331	16.94	II
235	17.920149	80.713609	20.09	II
236	17.955227	80.752684	22.66	II
237	17.941238	80.736814	27.64	III
238	17.921830	80.709512	34.71	III
239	17.926307	80.730296	32.54	III
240	17.939000	80.736971	41.41	III
241	17.925855	80.706594	61.87	IV
242	17.925543	80.710879	59.64	IV

**LEGEND**

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

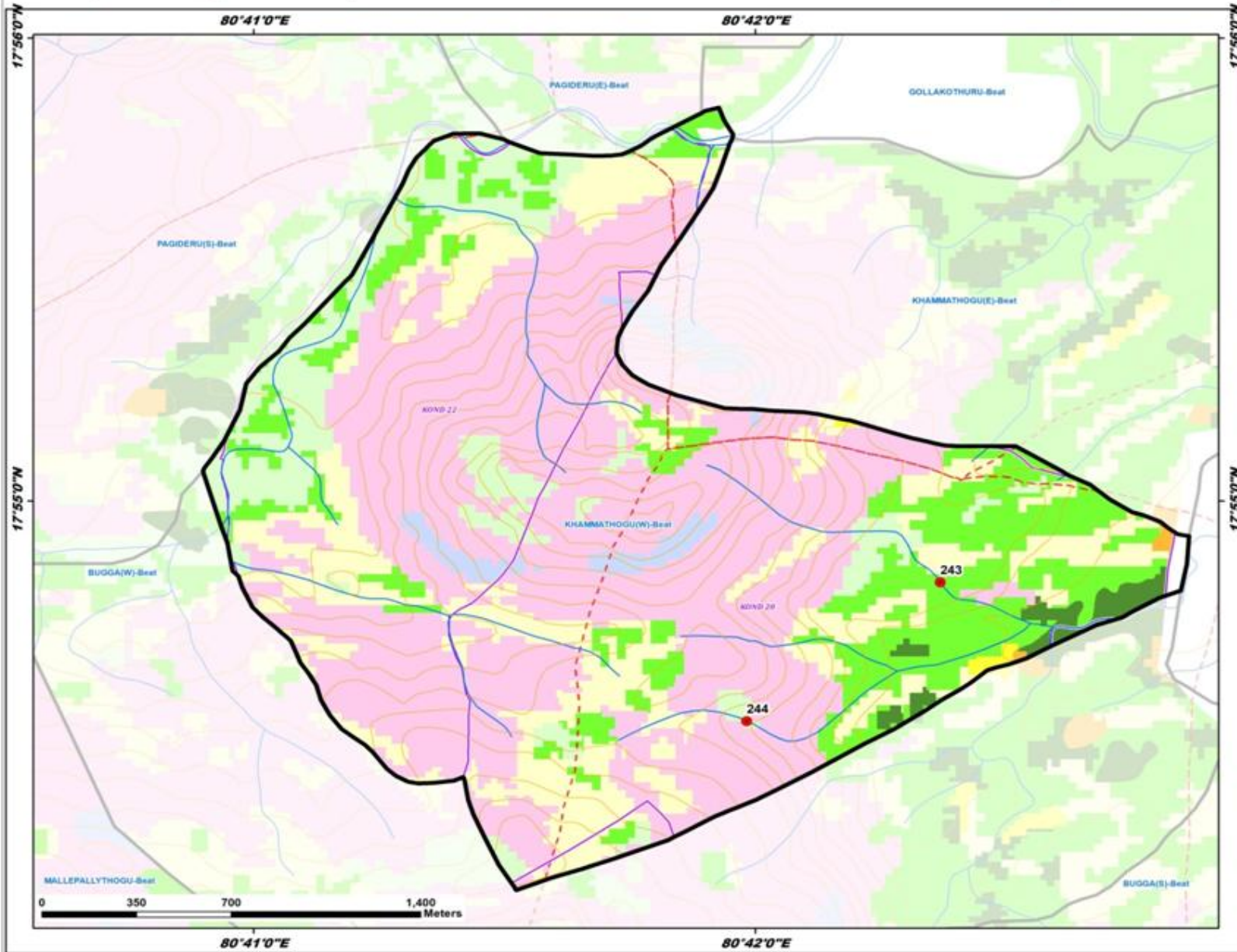
**Suitability Index**

- 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 Khammathogu West Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
243	17.913736	80.706157	44.23	III
244	17.908739	80.699725	31.72	V

**LEGEND**

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

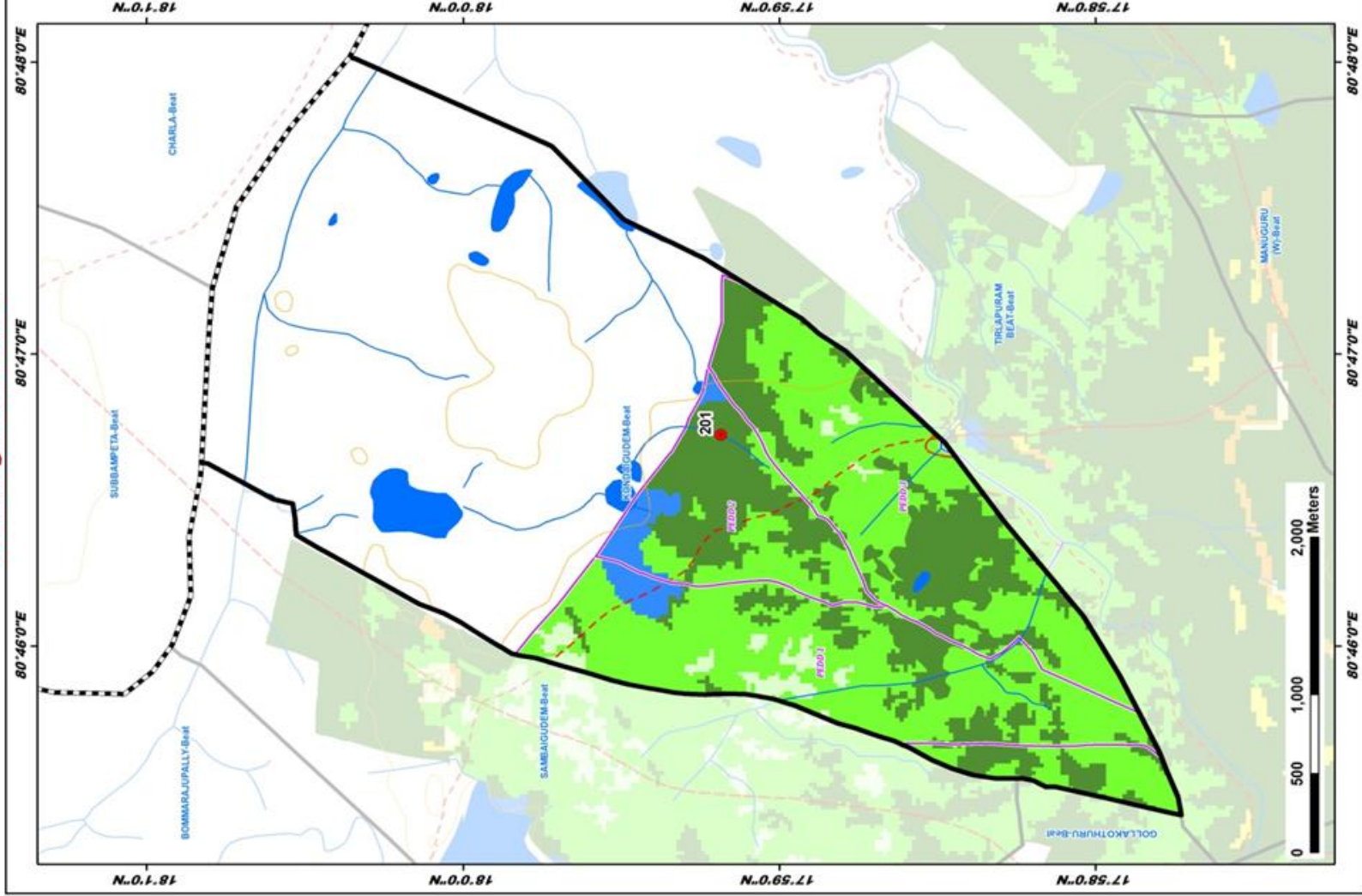
**Suitability Index**

- CCTs/STs - Highly Suitable
- CCTs/STs - Moderately Suitable
- CCTs/STs - 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 Kondaigudem Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
201	17.986428	80.778746	23.30	1

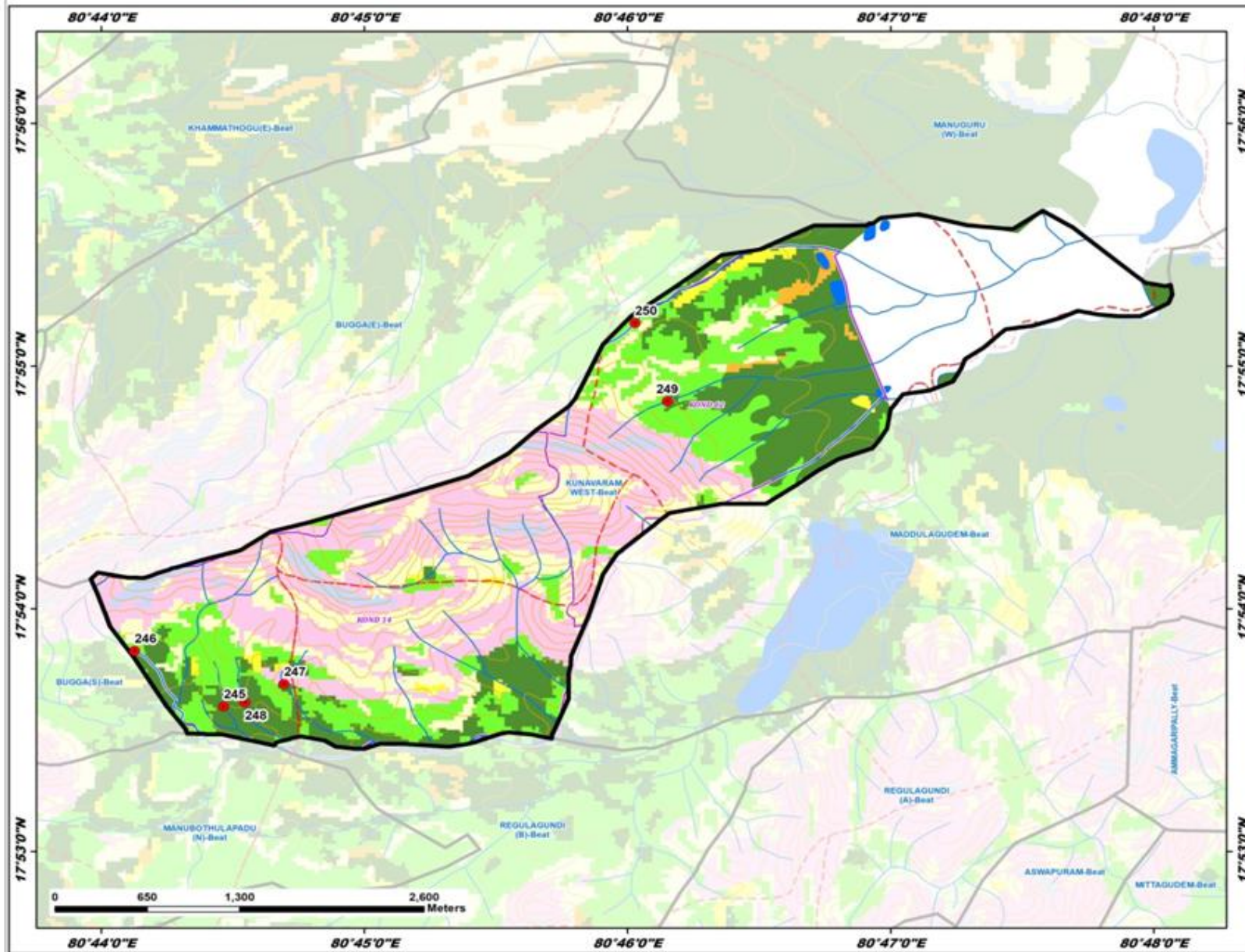
## LEGEND

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

# Map Showing Suitability index for Construction of SMC Works of Kunavaram West Beat



Division : Manuguru  
Range : Manuguru



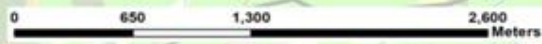
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
245	17.893293	80.741088	8.41	I
246	17.897113	80.735450	17.84	I
247	17.894846	80.744910	22.38	I
248	17.893586	80.742431	37.08	II
249	17.914256	80.769200	35.39	III
250	17.919637	80.767157	30.41	III

**LEGEND**

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

**Suitability Index**

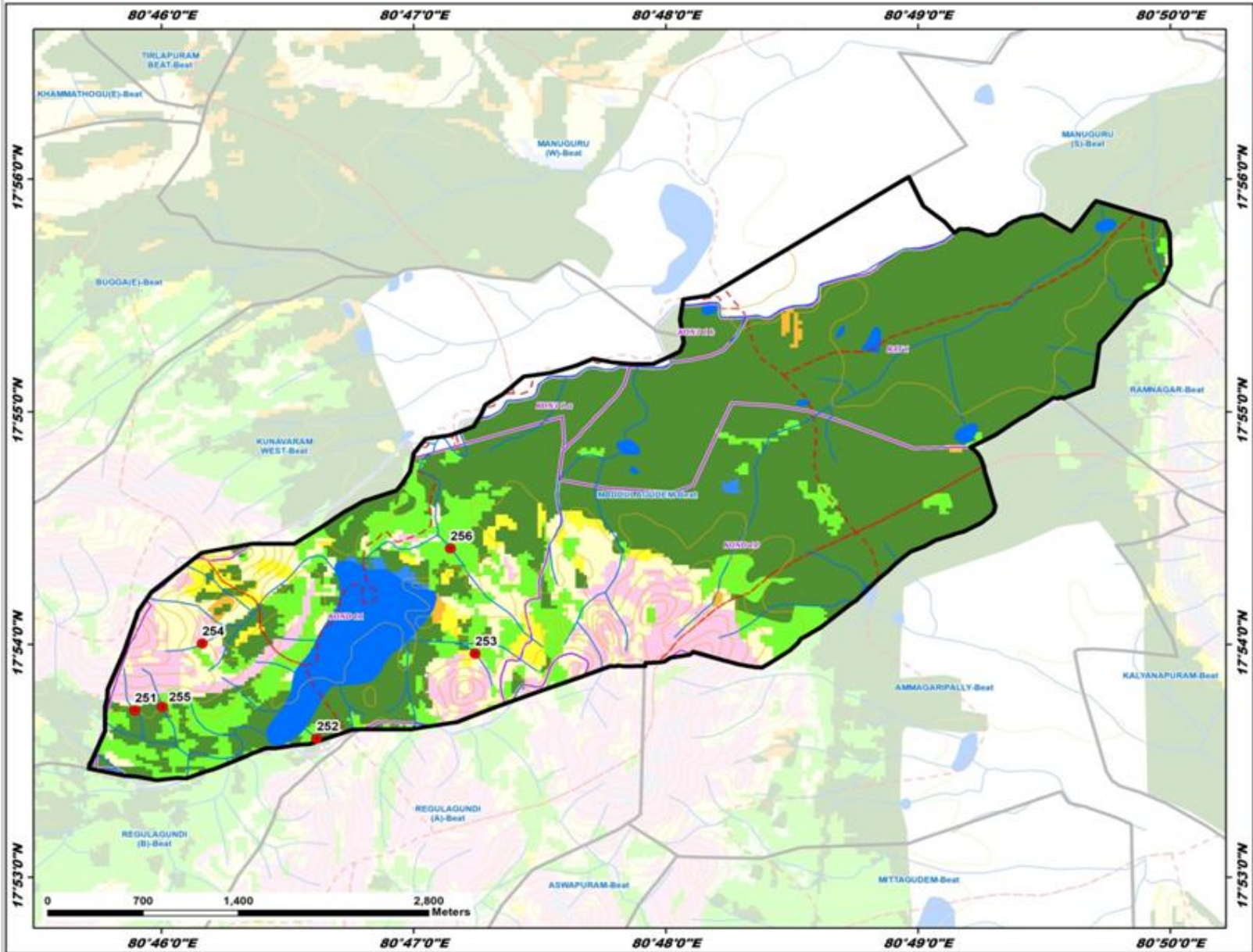
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability index for Construction of SMC Works of Maddulagudem Beat



Division : Manuguru  
Range : Manuguru



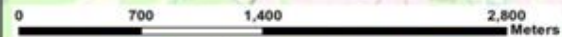
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
251	17.895291	80.764908	8.18	I
252	17.893263	80.776928	8.04	II
253	17.899360	80.787397	9.47	II
254	17.900072	80.769362	7.17	II
255	17.895536	80.766740	10.11	II
256	17.906895	80.785761	48.19	III

**LEGEND**

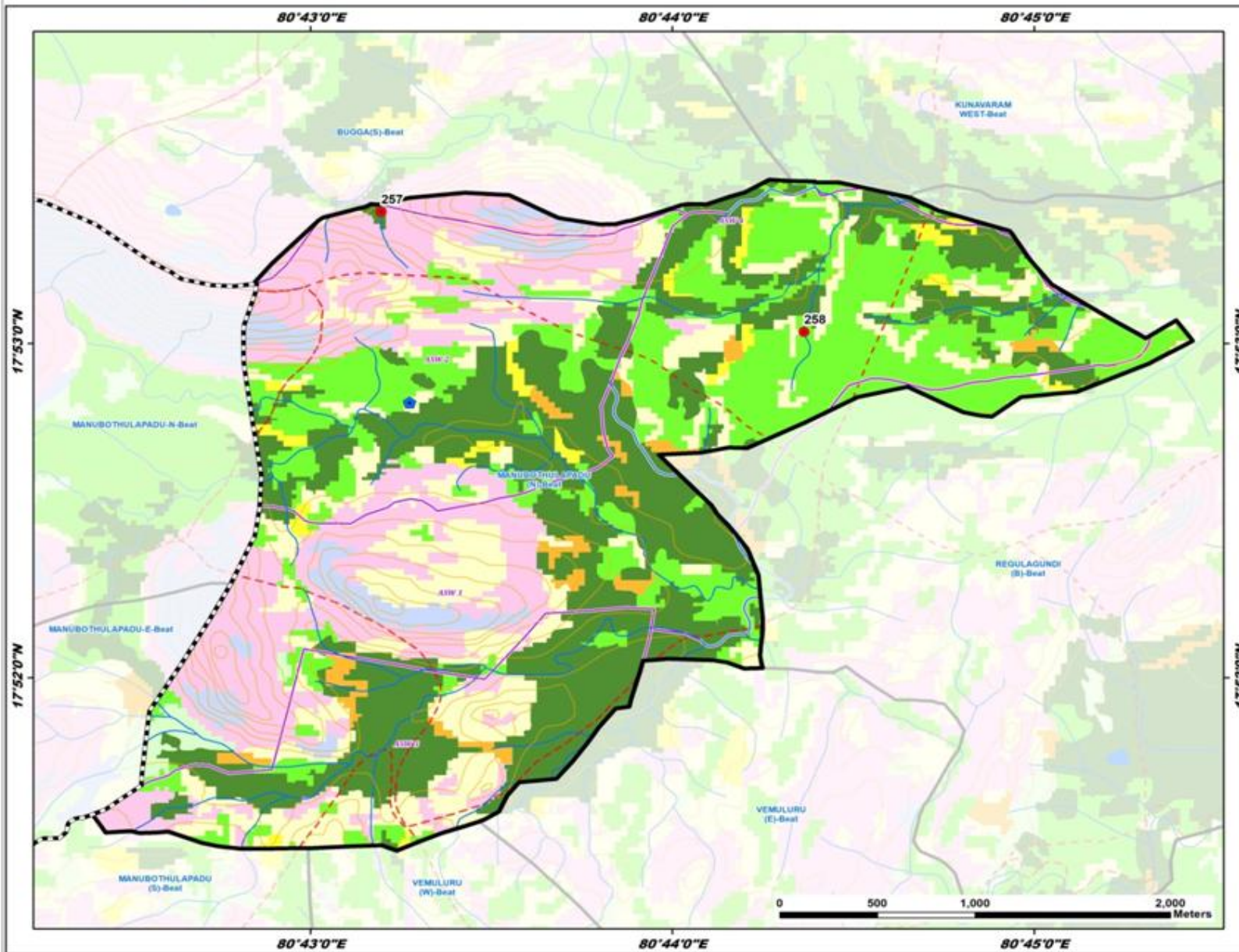
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

**Suitability Index**

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



# Map Showing Suitability index for Construction of SMC Works of Manubothulapadu North Beat



Division : Manuguru  
Range : Manuguru

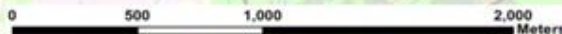
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
257	17.889921	80.719922	19.10	I
258	17.883920	80.739401	18.08	II

**LEGEND**

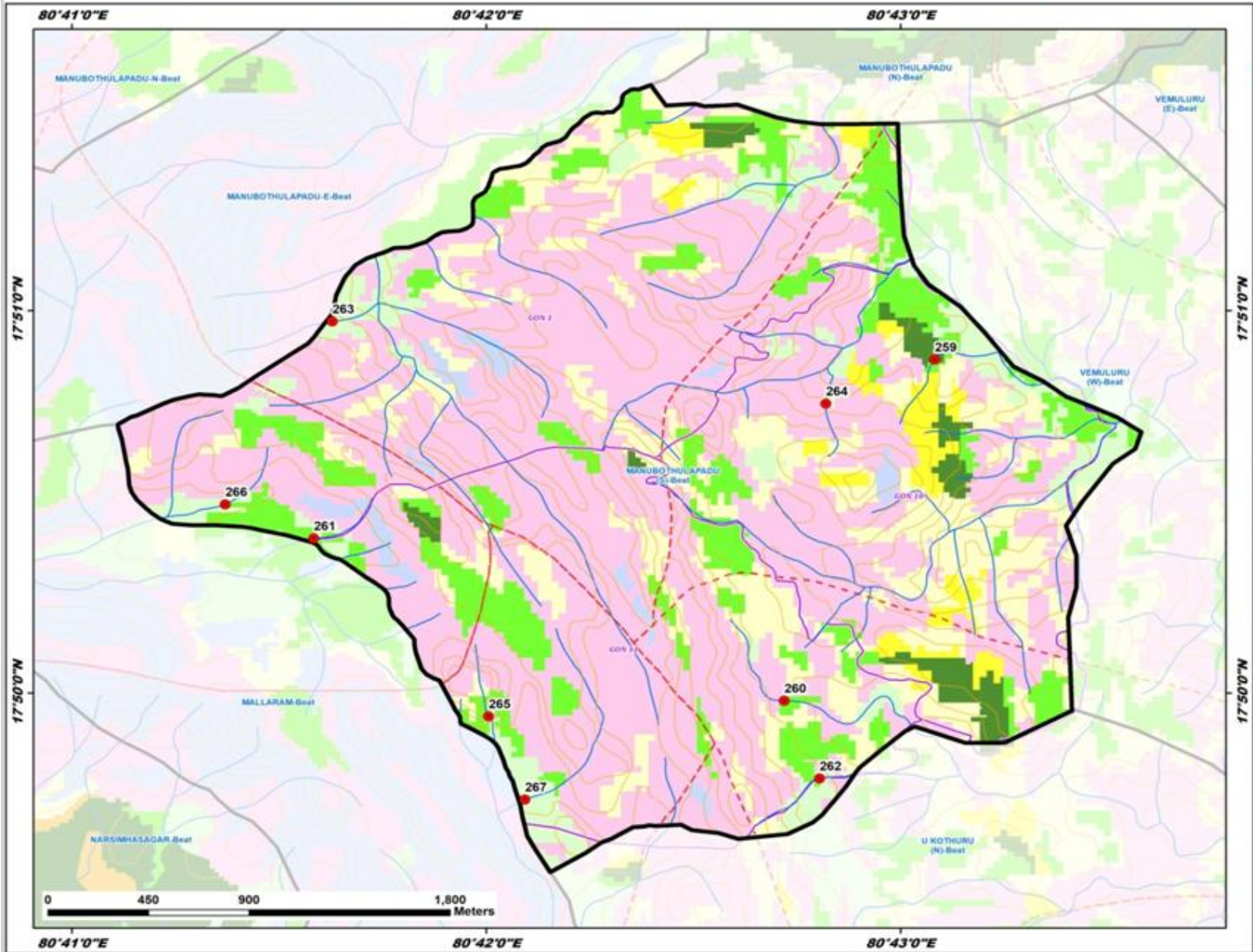
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary

**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 Manubothulapadu South Beat



Division : Manuguru  
Range : Manuguru

ID	Latitude	Longitude	Catchment Area_Ya	PRIORITY
259	17.847866	80.718048	13.59	II
260	17.833003	80.711996	23.13	II
261	17.840076	80.693061	8.48	II
262	17.829612	80.713411	17.47	IV
263	17.849531	80.693803	18.89	IV
264	17.845953	80.713662	9.53	IV
265	17.832315	80.700099	15.45	IV
266	17.841559	80.689503	11.22	IV
267	17.828695	80.701561	30.12	V

**LEGEND**

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

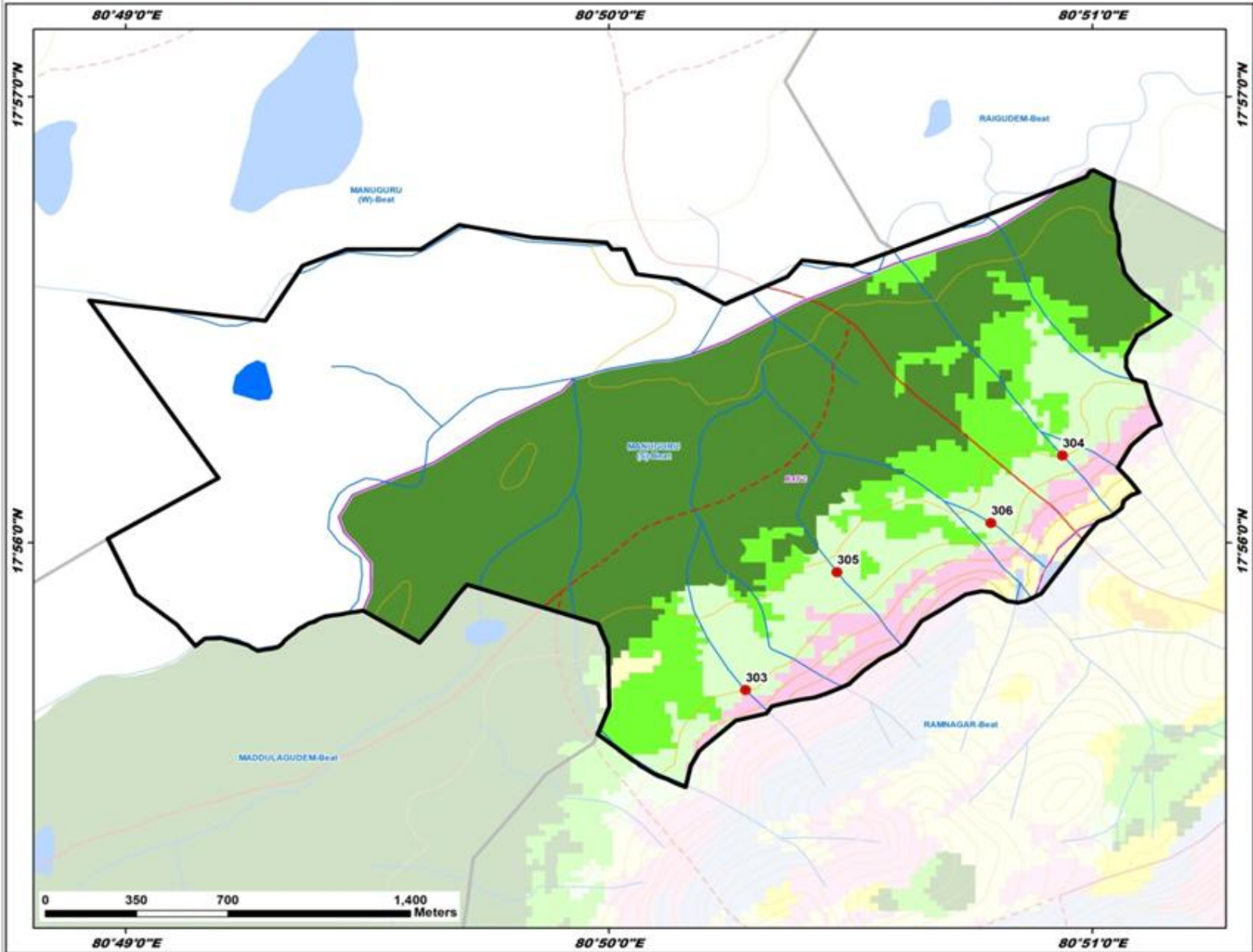
**Suitability Index**

- 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 Manuguru South Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
303	17.927834	80.838051	12.16	IV
304	17.936595	80.848976	13.05	IV
305	17.932243	80.841202	17.29	IV
306	17.934074	80.846513	6.60	IV

**LEGEND**

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

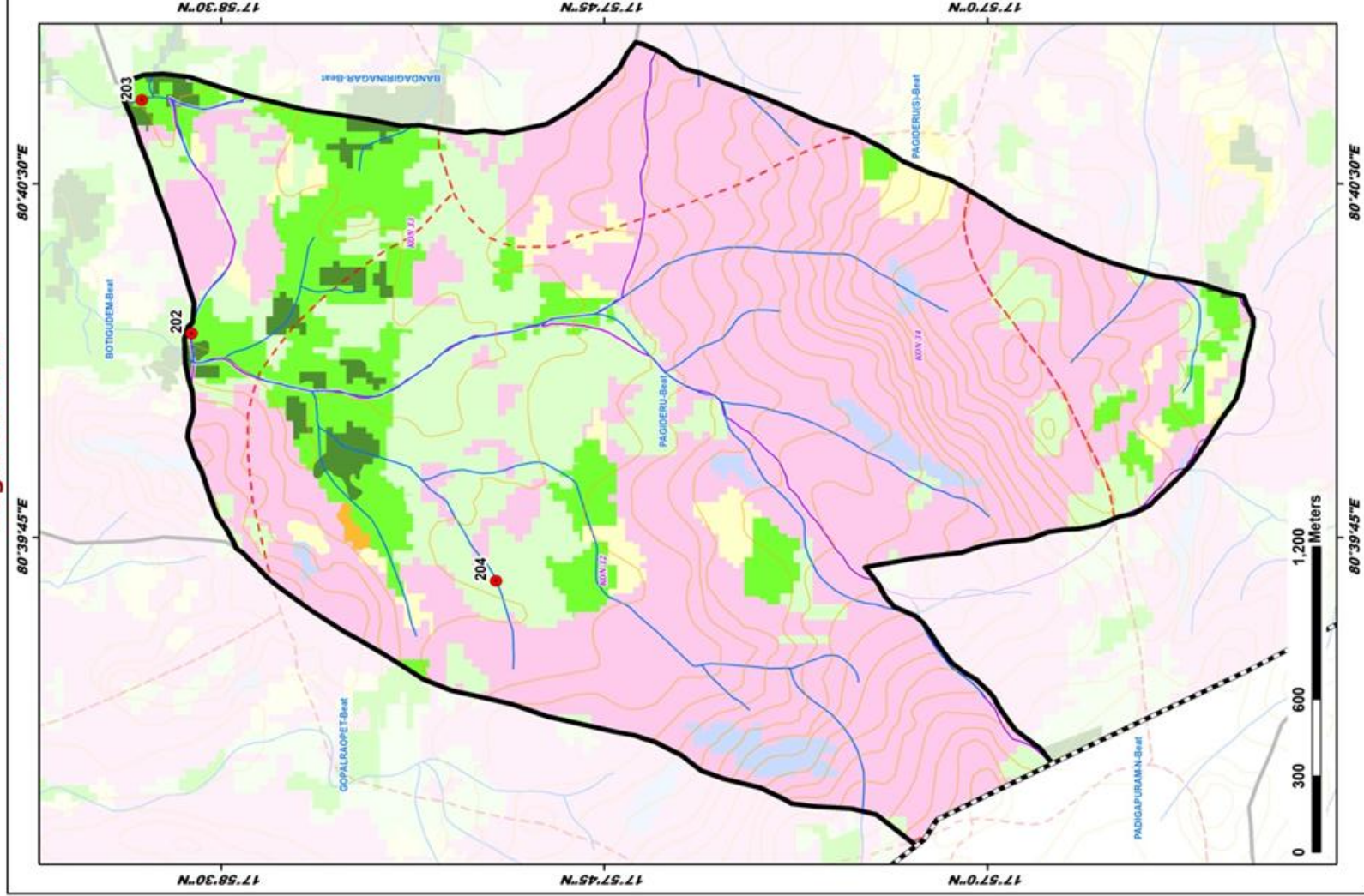
**Suitability Index**

- 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 Pagideru Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area, Ha	PRIORITY
202	17.975956	80.669720	7.72	II
203	17.975981	80.679722	63.63	IV
204	17.966024	80.660973	26.64	V

### LEGEND

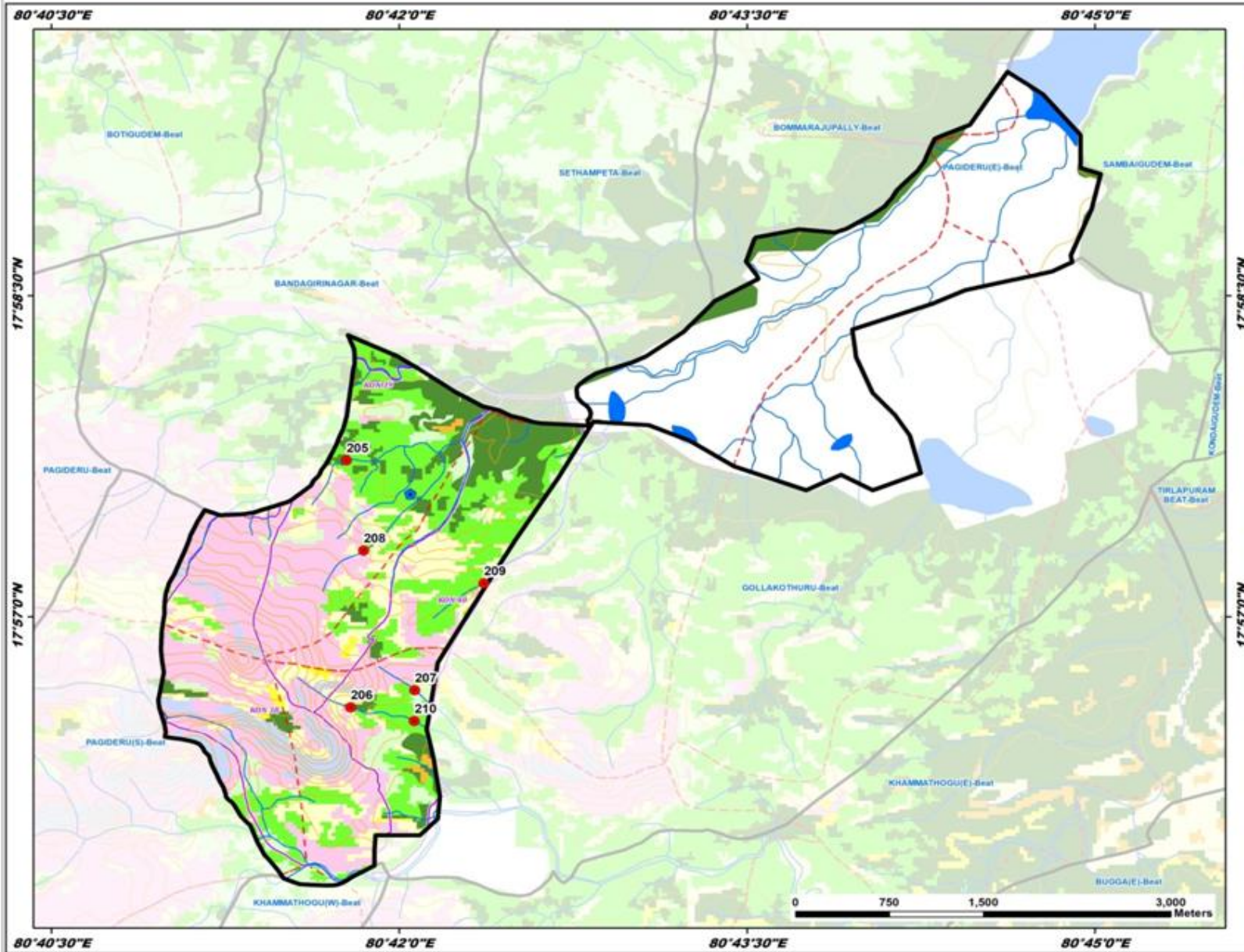
- Proposed P/Ts
  - Existing CD/P/Ts
  - Contours
  - Streams
  - Watershed Boundary
  - Compartment Boundary
  - Beat Boundary
  - Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
  - CCTs/SCTs - Moderately Suitable
  - CCTs/SCTs - Least Suitable
  - P/Ts - Highly Suitable
  - P/Ts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



# Map Showing Suitability index for Construction of SMC Works of Pagideru East Beat



Division : Manuguru  
Range : Manuguru



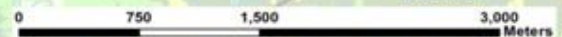
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
205	17.962183	80.696214	17.31	II
206	17.942970	80.696511	28.80	III
207	17.944295	80.701124	26.90	III
208	17.955156	80.697457	47.75	III
209	17.952610	80.706086	53.11	IV
210	17.941902	80.701097	41.67	III

**LEGEND**

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

**Suitability Index**

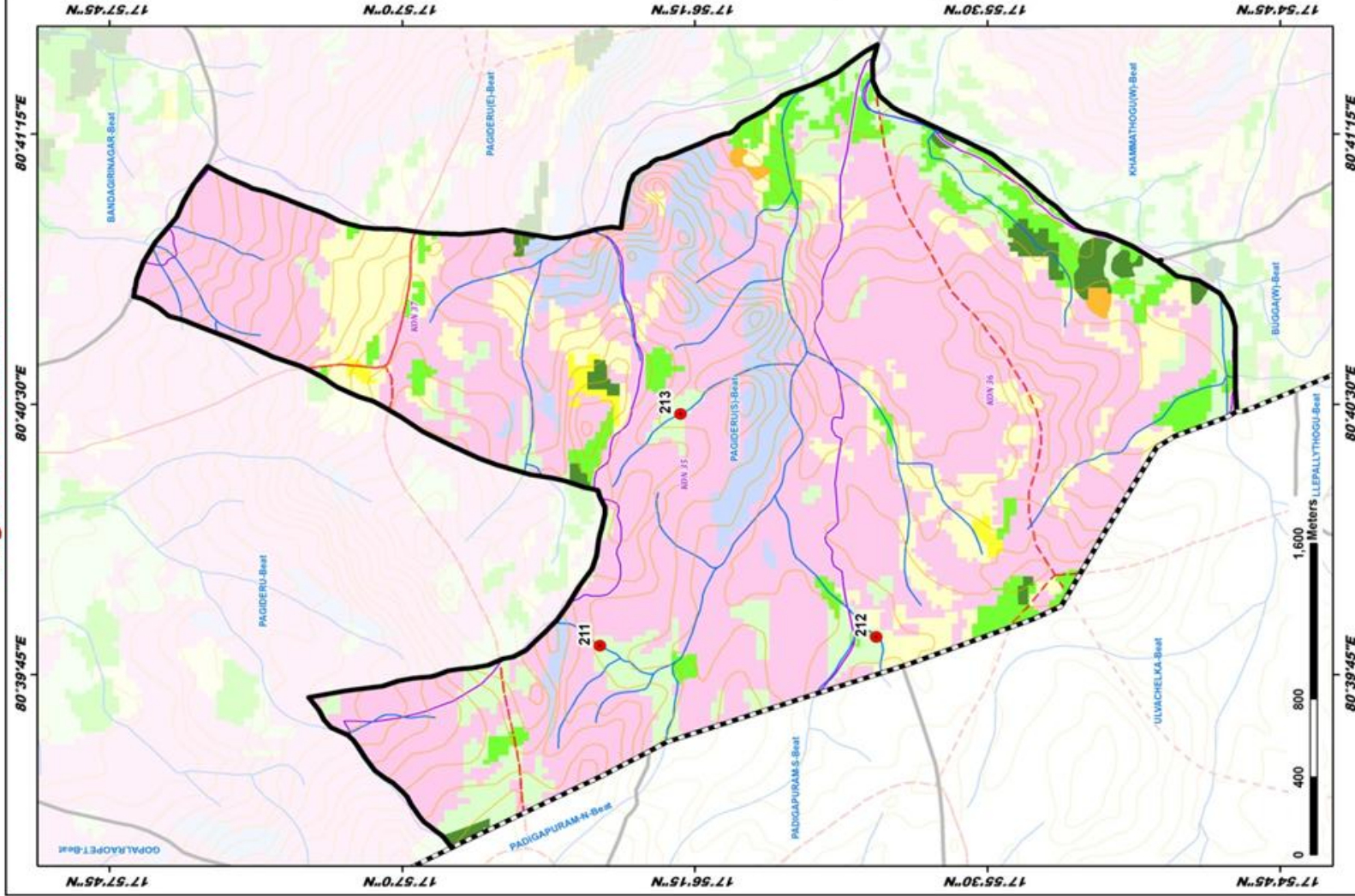
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability Index for Construction of SMC Works of Pagideru South Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area, Ha	PRIORITY
211	17.94154	80.66386	21.01	IV
212	17.92943	80.66425	25.51	V
213	17.938108	80.674573	29.18	V

### LEGEND

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

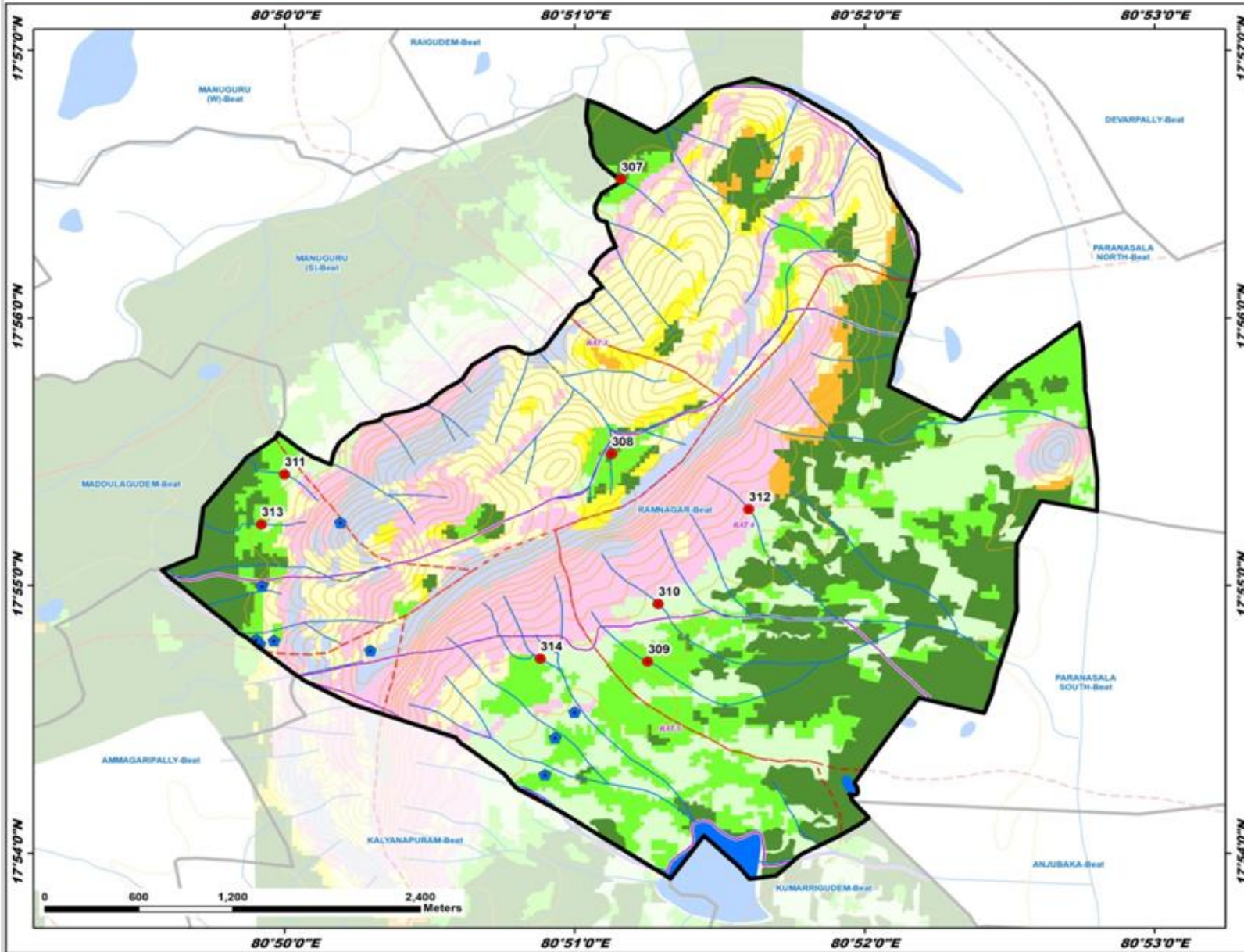
### Suitability Index

- 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 Ramnagar Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
307	17.941970	80.852670	11.78	I
308	17.924865	80.852130	6.49	I
309	17.911930	80.854208	18.38	II
310	17.915526	80.854812	22.81	IV
311	17.923606	80.833321	12.09	IV
312	17.921427	80.860010	14.79	IV
313	17.920483	80.831999	8.76	IV
314	17.912120	80.848030	38.61	V

**LEGEND**

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

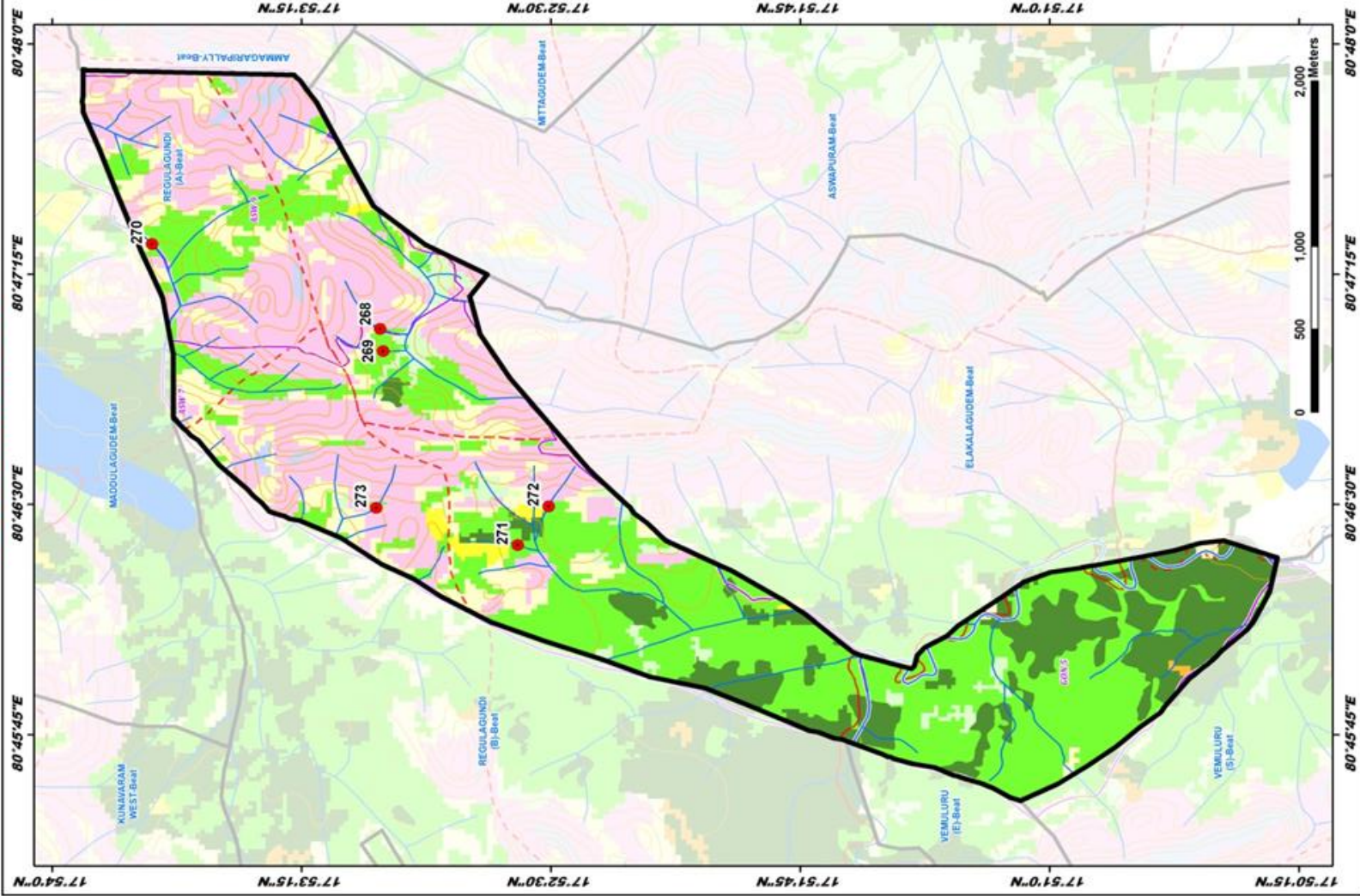
**Suitability Index**

- 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 Regulagundi A Beat



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area, Ha	PRIORITY
268	17.883567	80.784543	8.17	■
269	17.883412	80.783343	5.57	■
270	17.895006	80.799164	20.27	■
271	17.876668	80.772812	8.89	■
272	17.875117	80.774901	6.35	■
273	17.883767	80.774838	6.74	■

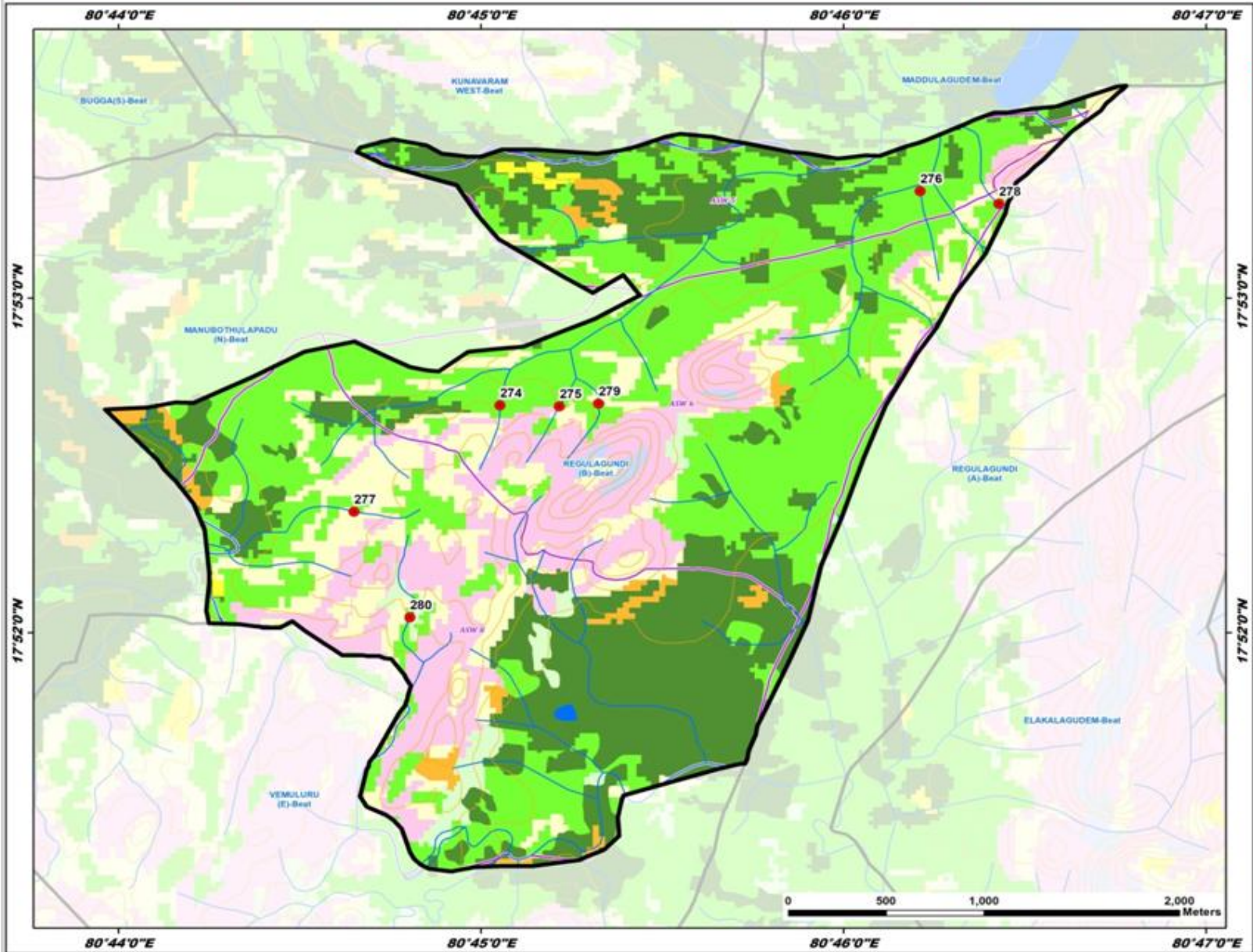
## LEGEND

- Proposed P/Ts
- Existing CD/P/Ts
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary
- Suitability Index
  - CCTs/SCTs - Highly Suitable
  - CCTs/SCTs - Moderately Suitable
  - CCTs/SCTs - Least Suitable
  - P/Ts - Highly Suitable
  - P/Ts - Moderately Suitable
  - P/Ts - Least Suitable
  - M/P/Ts and S/GPs - Suitable
  - Not Suitable
  - Water Body

# Map Showing Suitability index for Construction of SMC Works of Regulagundi B Beat



Division : Manuguru  
Range : Manuguru



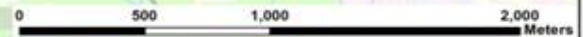
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
274	17.878001	80.750878	12.19	II
275	17.877954	80.753609	5.99	II
276	17.888674	80.770199	9.78	II
277	17.872703	80.744156	9.83	II
278	17.888040	80.773816	12.06	II
279	17.878081	80.755401	13.92	II
280	17.867440	80.746735	12.43	IV

**LEGEND**

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

**Suitability Index**

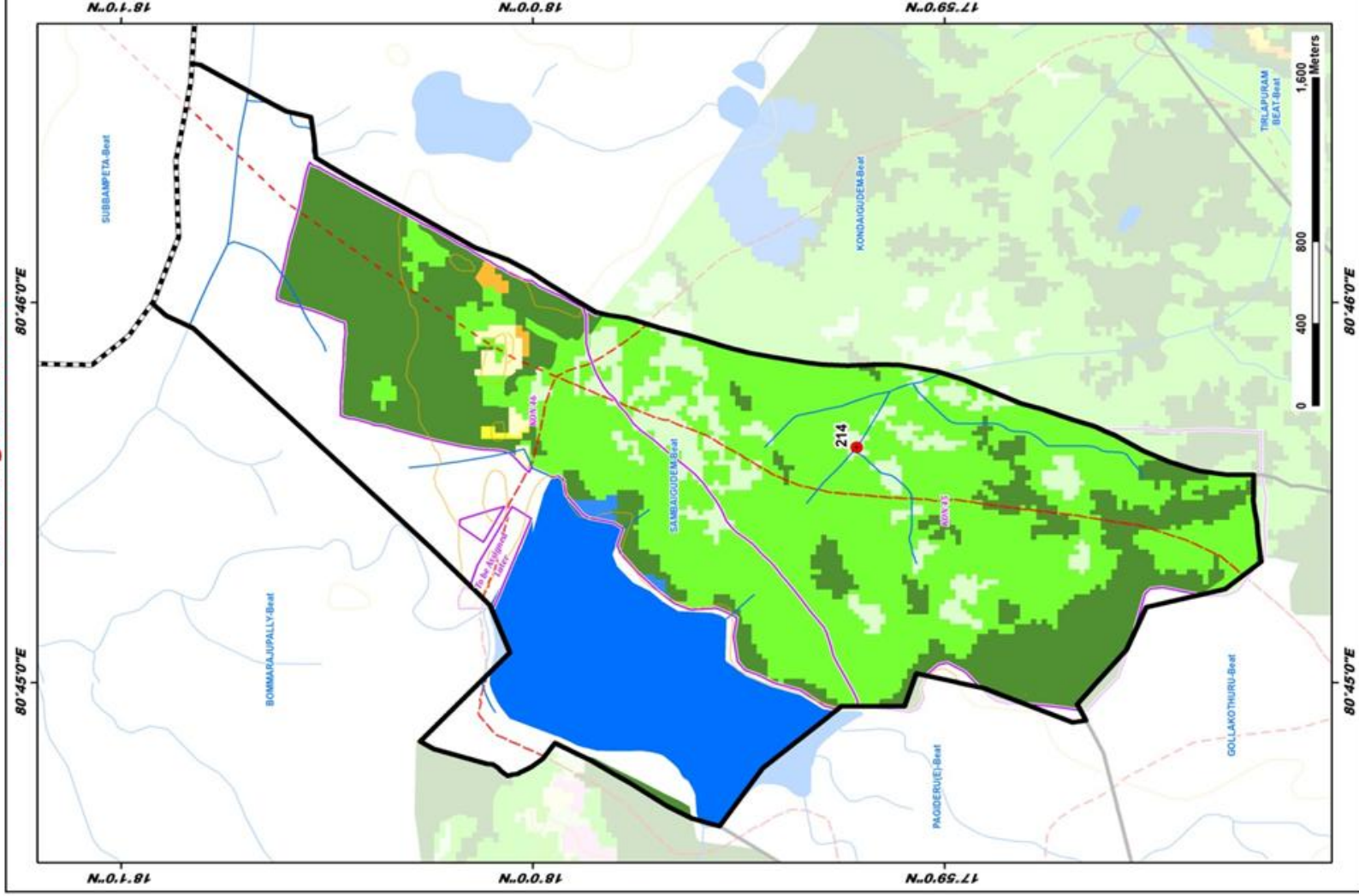
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



**Division : Manuguru**  
**Range : Manuguru**

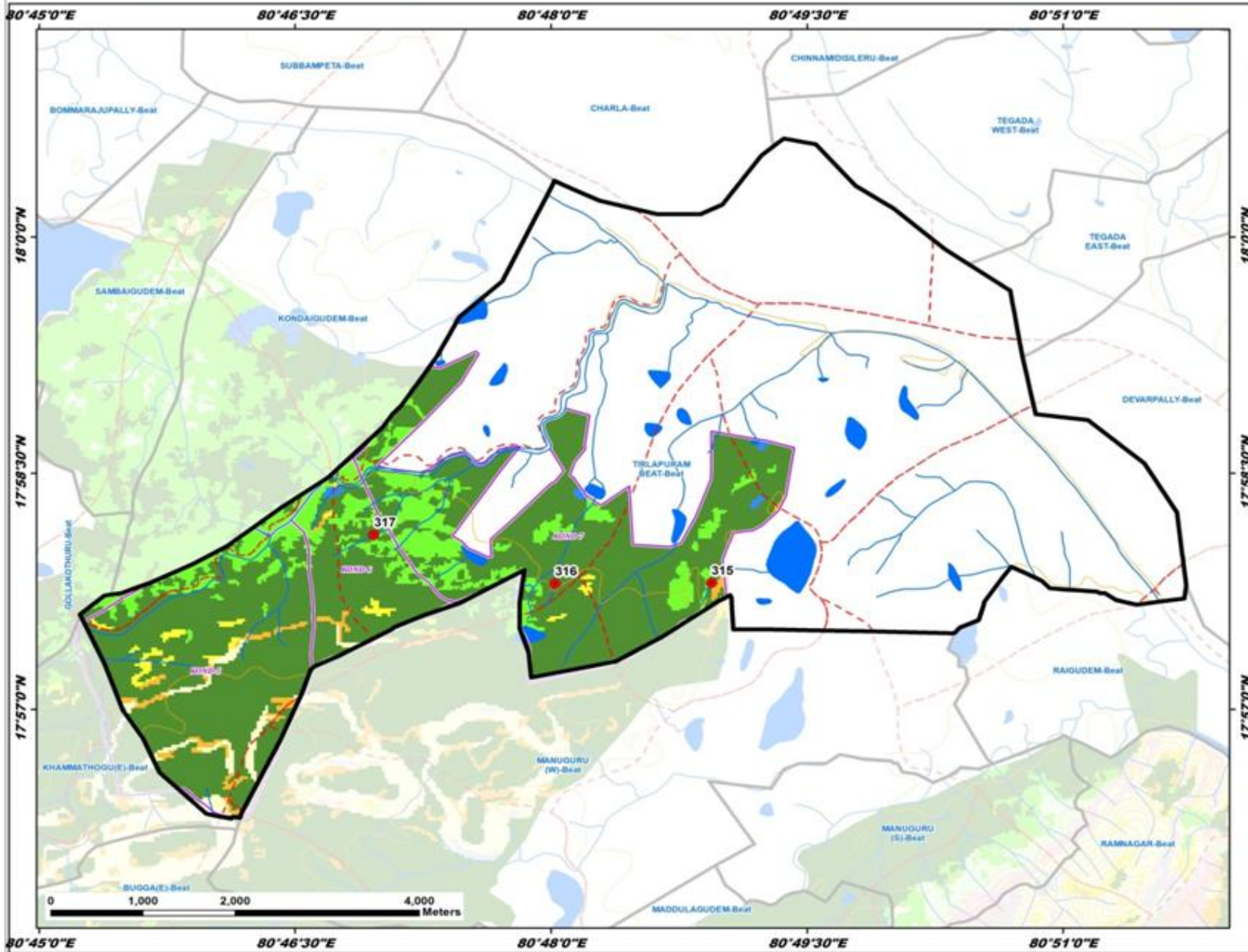


ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
214	17.986892	80.760331	90.34	V

### 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 Tirlapuram Beat



Division : Manuguru  
Range : Manuguru

ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
315	17.963392	80.815676	9.87	I
316	17.963329	80.800392	11.58	I
317	17.968487	80.782696	30.28	III

**LEGEND**

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

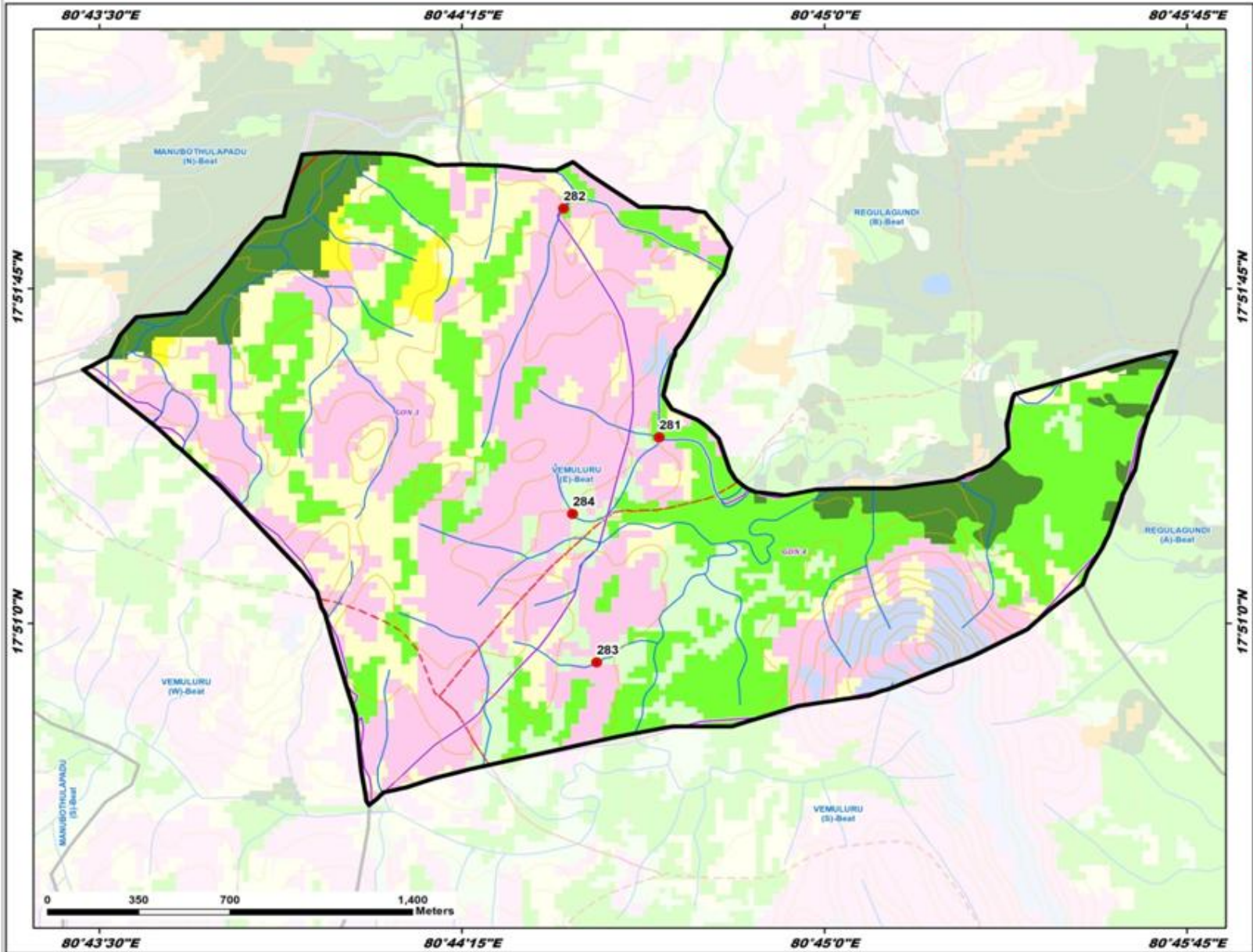
**Suitability Index**

- 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 Vemuluru East Beat



Division : Manuguru  
Range : Manuguru



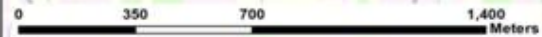
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
281	17.856950	80.744305	15.45	II
282	17.865502	80.741009	29.31	III
283	17.848540	80.742150	12.26	IV
284	17.854090	80.741322	7.42	IV

**LEGEND**

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

**Suitability Index**

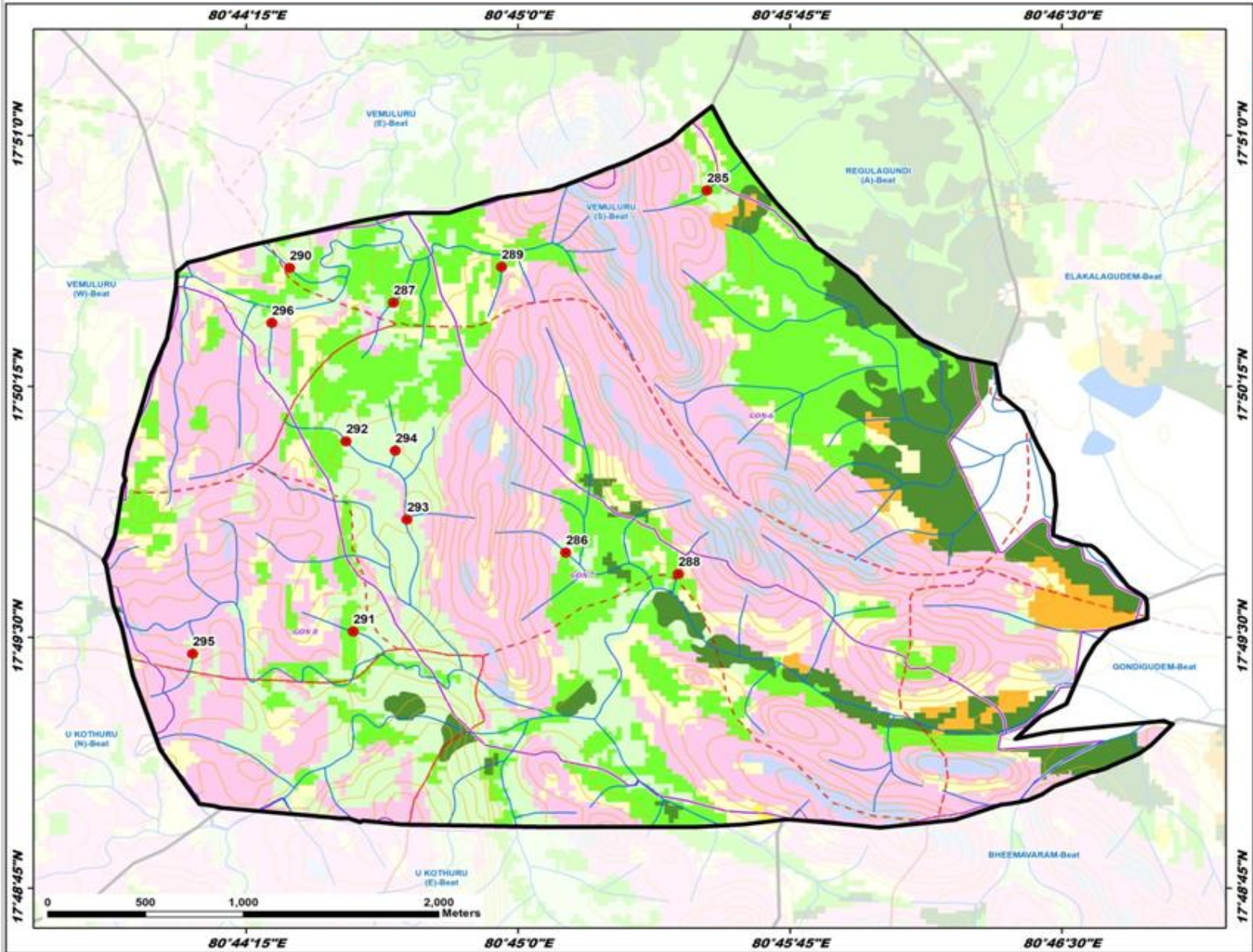
- CCTs/SGTs - Highly Suitable
- CCTs/SGTs - Moderately Suitable
- CCTs/SGTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability index for Construction of SMC Works of Vemuluru South Beat



Division : Manuguru  
Range : Manuguru



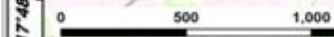
ID	Latitude	Longitude	Catchment Area_Ha	PRIORITY
285	17.847270	80.758685	14.75	II
286	17.829225	80.752194	7.63	II
287	17.841680	80.744263	15.82	II
288	17.828159	80.757370	7.48	II
289	17.843455	80.749243	8.98	II
290	17.843409	80.739491	31.92	III
291	17.825295	80.742419	7.30	IV
292	17.834771	80.742086	19.09	IV
293	17.830874	80.744888	6.48	IV
294	17.834311	80.744351	12.62	IV
295	17.824181	80.735030	9.94	IV
296	17.840672	80.738676	6.49	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



80°44'15"E      80°45'0"E      80°45'45"E      80°46'30"E

17°51'0"N      17°50'15"N      17°49'30"N      17°48'45"N

VEMULURU (E)-Beat      REGULAGUNDI (A)-Beat      ELAKALAGUDEM-Beat

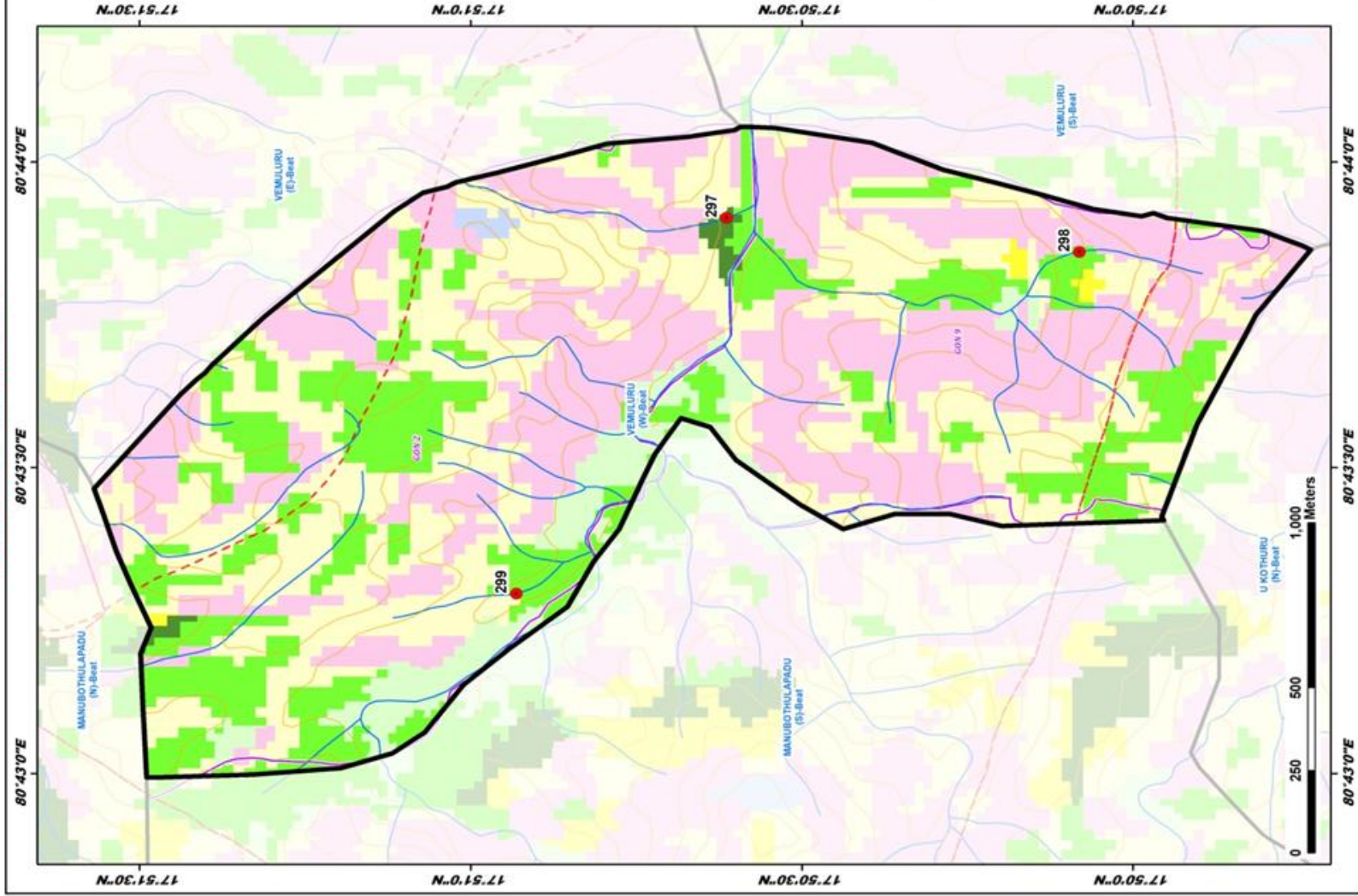
VEMULURU (W)-Beat      VEMULURU (S)-Beat      GONGIGUDEM-Beat

U KOTHURU (N)-Beat      U KOTHURU (E)-Beat      BHEMAVARAM-Beat

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



Division : Manuguru  
Range : Manuguru



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
297	17.843557	80.731820	42.92	II
298	17.844685	80.730887	13.94	II
299	17.848850	80.721571	12.17	II

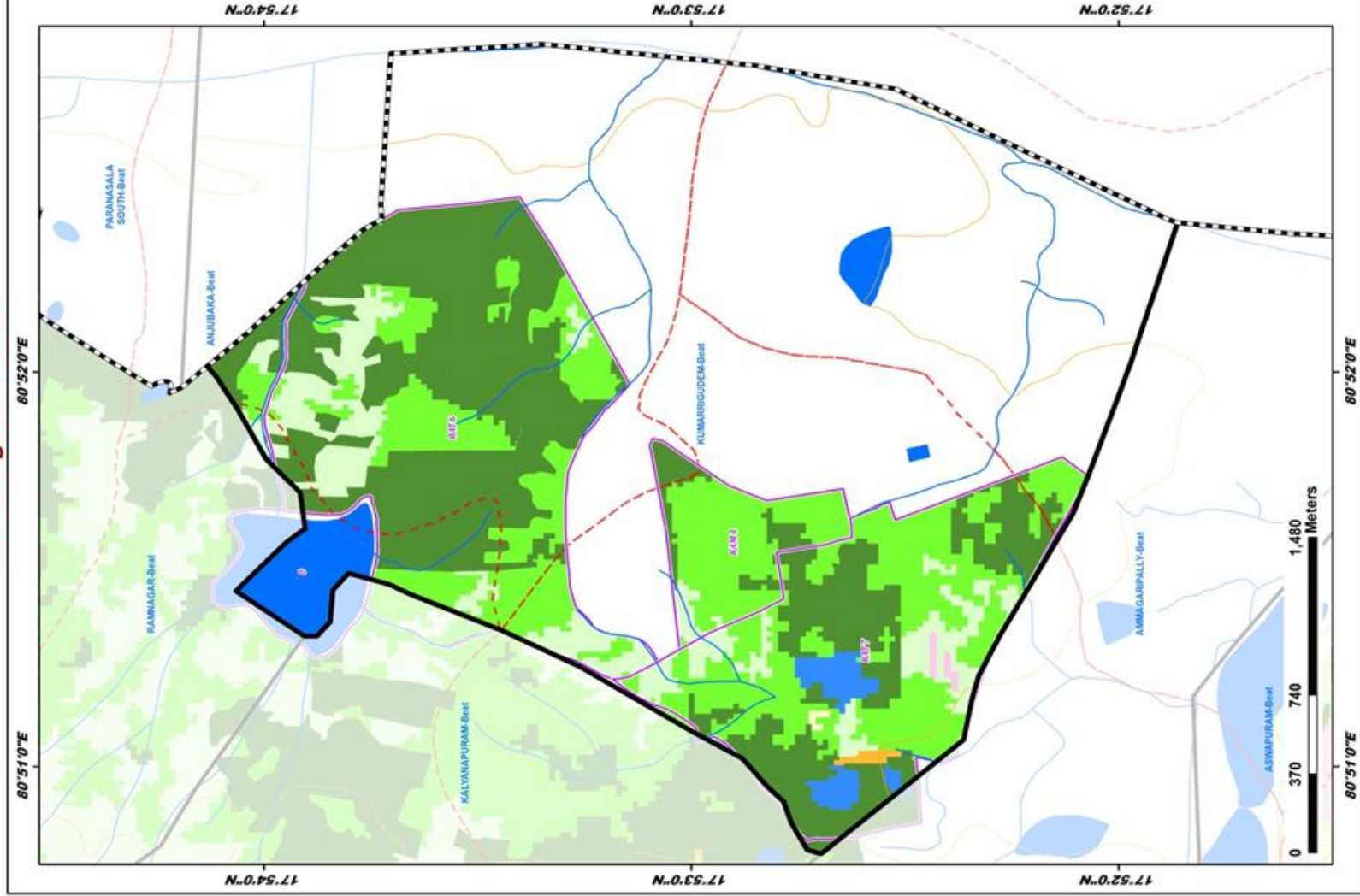
## LEGEND

- Proposed Pits (Red dot)
  - Existing CD/Pits (Blue dot)
  - Contours (Orange line)
  - Streams (Blue line)
  - Watershed Boundary (Red dashed line)
  - Compartment Boundary (Purple line)
  - Beat Boundary (Black line)
  - Division Boundary (Black line)
- Suitability Index**
- CCTs/SCTs - Highly Suitable (Yellow)
  - CCTs/SCTs - Moderately Suitable (Light Green)
  - CCTs/SCTs - Least Suitable (Dark Green)
  - PTs - Highly Suitable (Light Green)
  - PTs - Moderately Suitable (Light Green)
  - PTs - Least Suitable (Light Green)
  - MPTs and SGPs - Suitable (Light Green)
  - Not Suitable (Pink)
  - Water Body (Blue)

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



Division : Manuguru  
Range : Manuguru



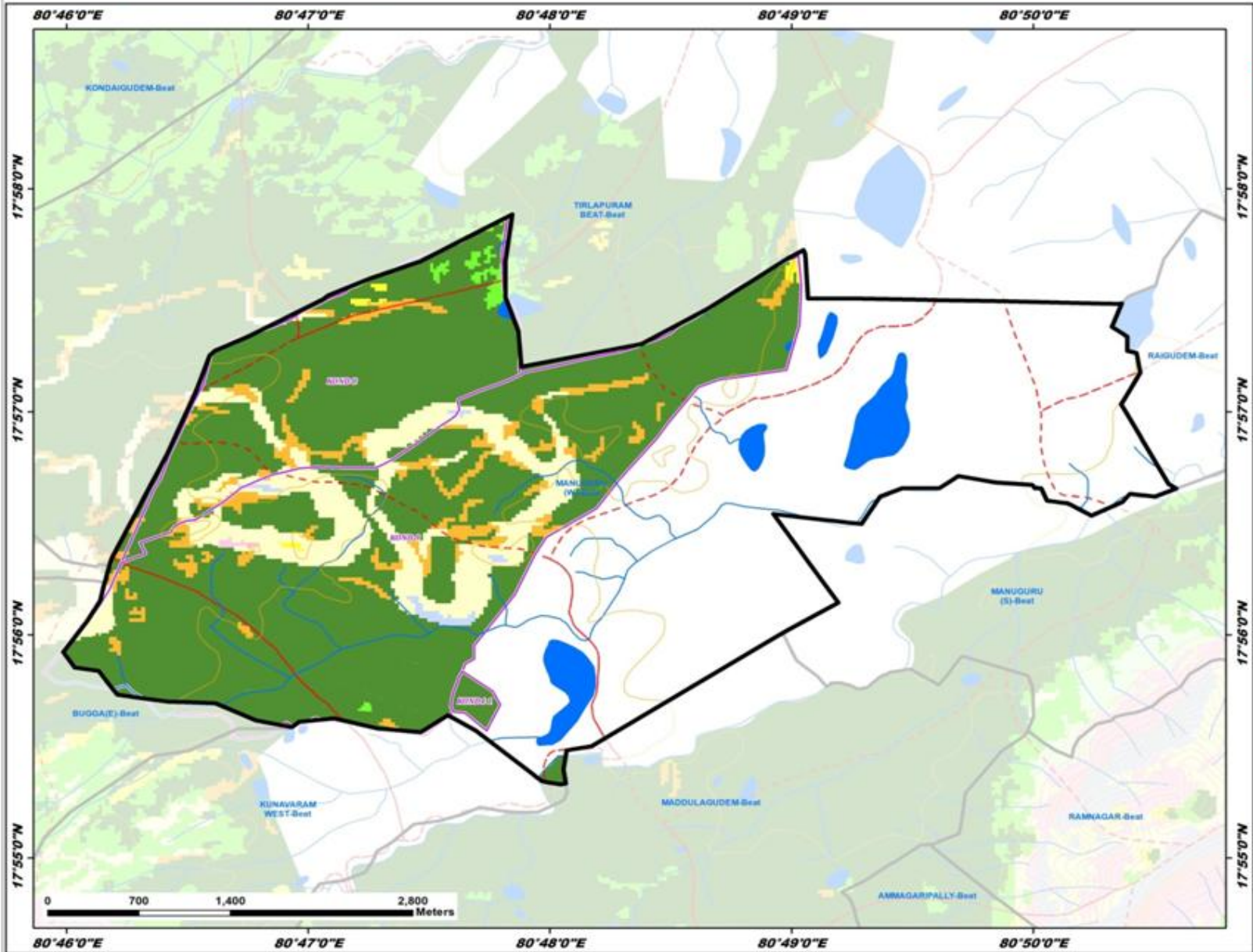
## LEGEND

- 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 Manuguru West Beat



Division : Manuguru  
Range : Manuguru



**LEGEND**

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

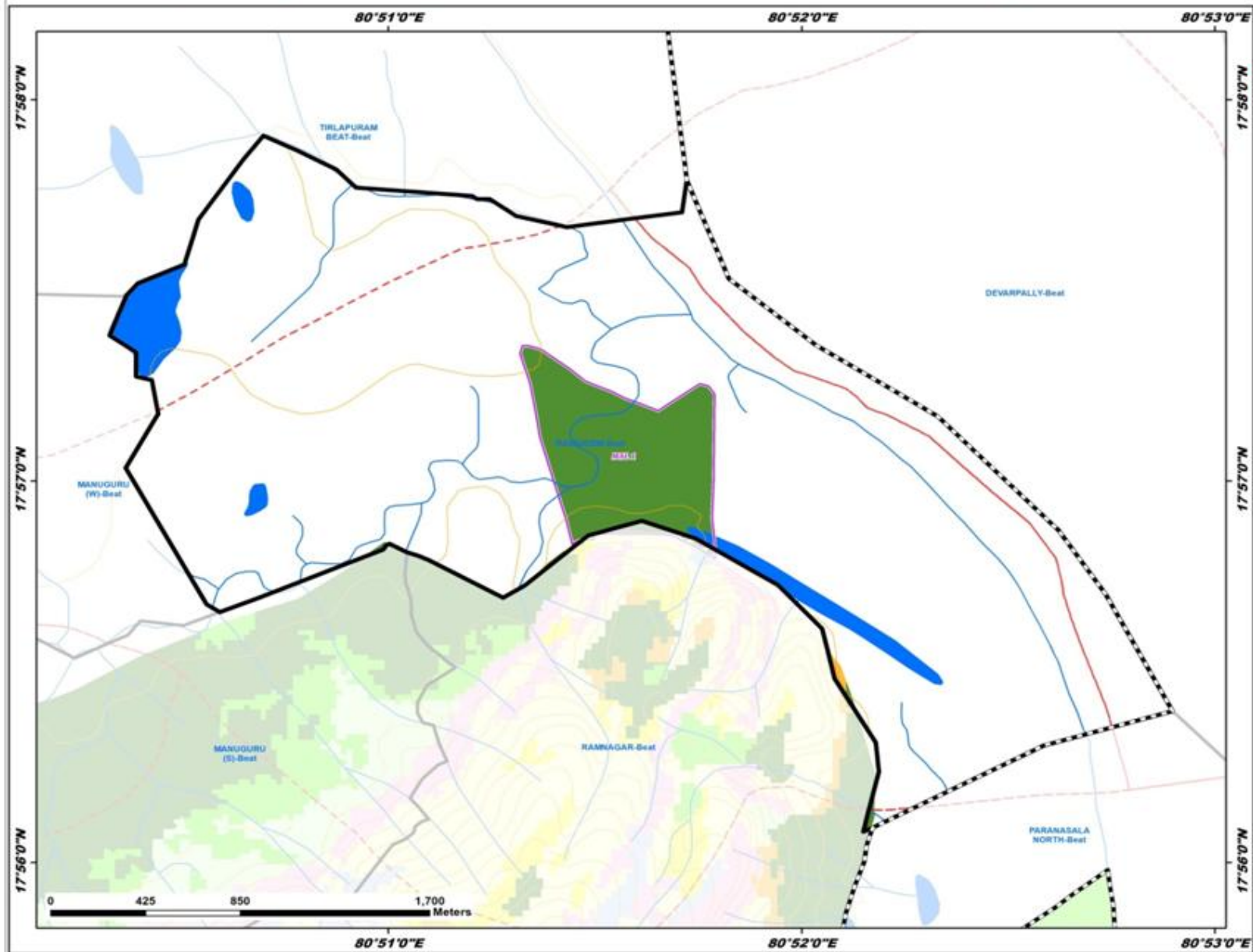
**Suitability Index**

- 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 Raigudem Beat



Division : Manuguru  
Range : Manuguru



**LEGEND**

- 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 Sambaigudem Beat



Division : Manuguru  
Range : Manuguru

