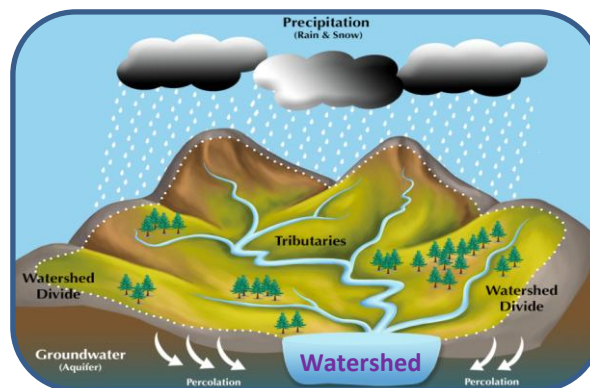


# Government of Telangana – Forest Department



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



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

**Circle: Rajanna**  
**District: Kamareddy**  
**Division: Kamareddy**

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



## METHODOLOGY

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

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



# FLOW CHART FOR METHODOLOGY



## Guidelines for building Percolation Tanks:

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



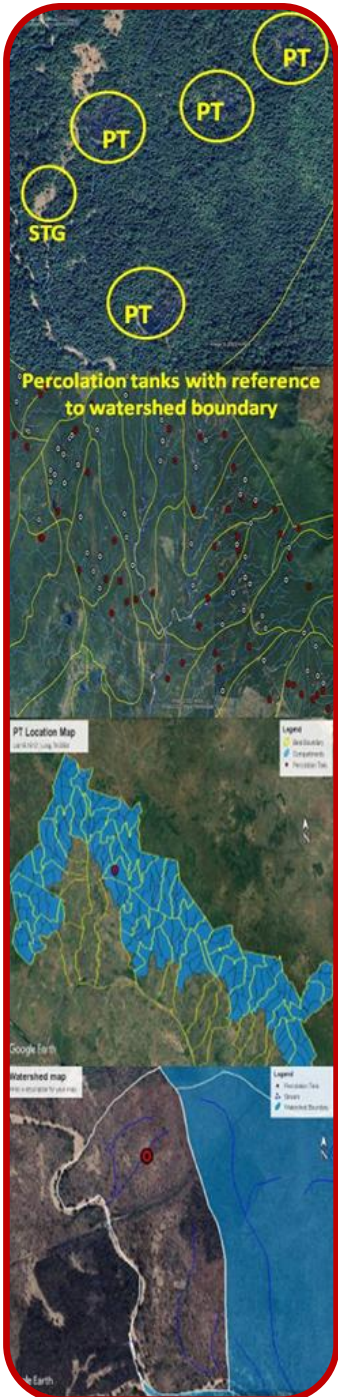
## Suitability criteria for Check-Dams and Percolation Tanks ( SITE SUITABILITY INDEX)

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

## Suitability criteria for Continuous/Staggered contour trenches

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





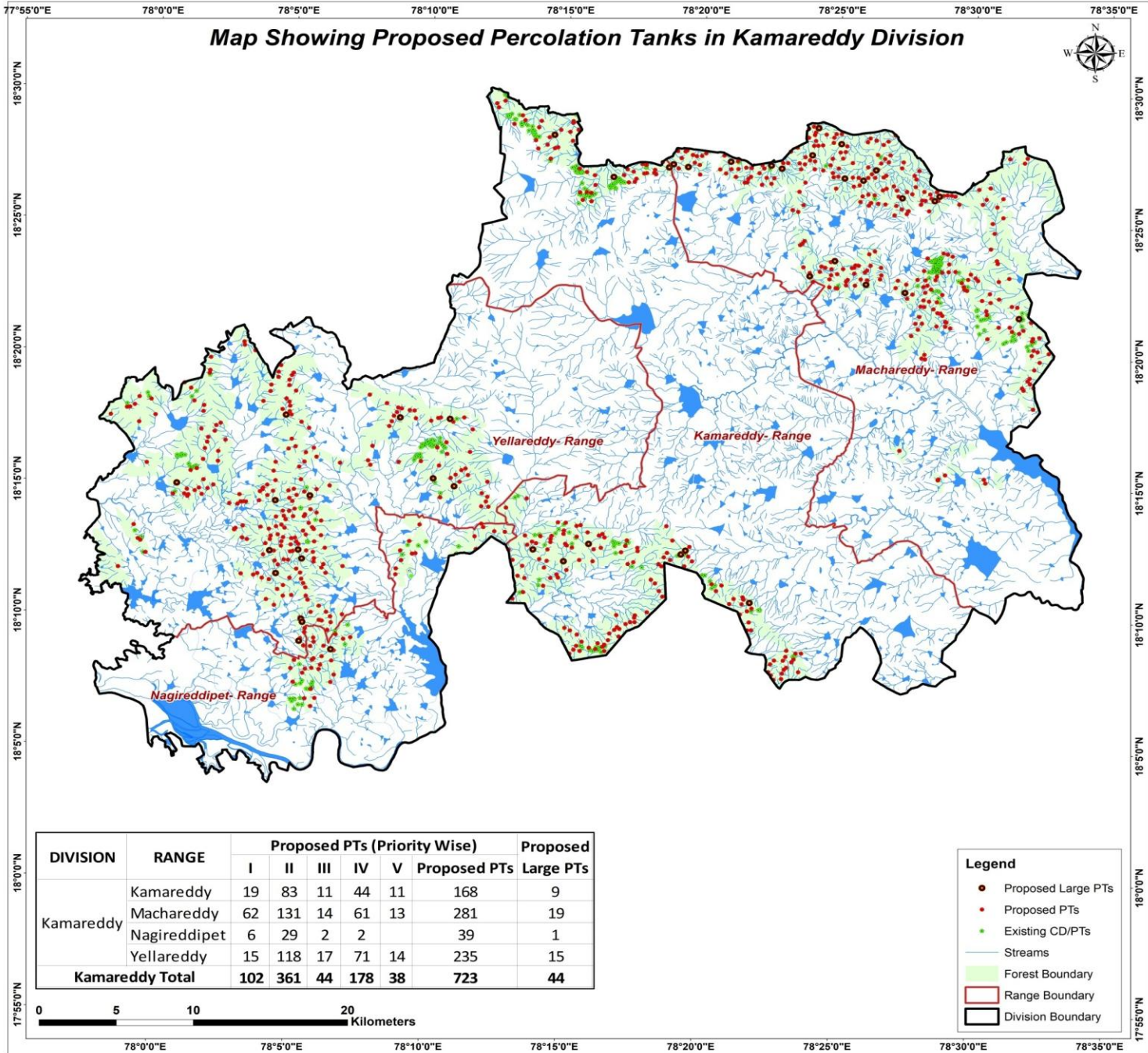
## PRIORITY CLASSES FOR PERCOLATION TANK

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





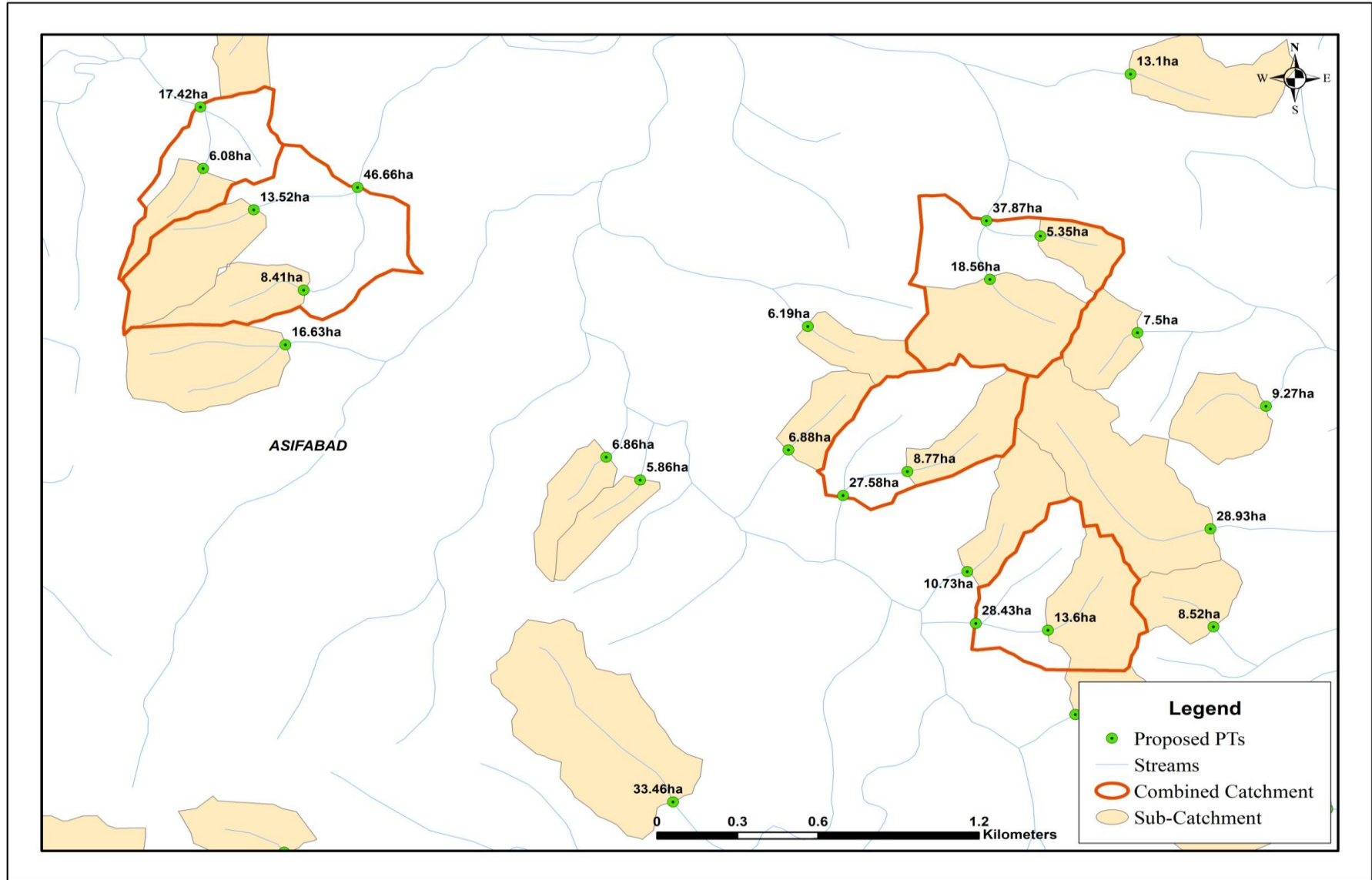
## Map Showing Proposed Percolation Tanks in Kamareddy Division



DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs	
		I	II	III	IV	V		
Kamareddy	Kamareddy	19	83	11	44	11	168	9
	Machareddy	62	131	14	61	13	281	19
	Nagireddipet	6	29	2	2		39	1
	Yellareddy	15	118	17	71	14	235	15
<b>Kamareddy Total</b>		<b>102</b>	<b>361</b>	<b>44</b>	<b>178</b>	<b>38</b>	<b>723</b>	<b>44</b>

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

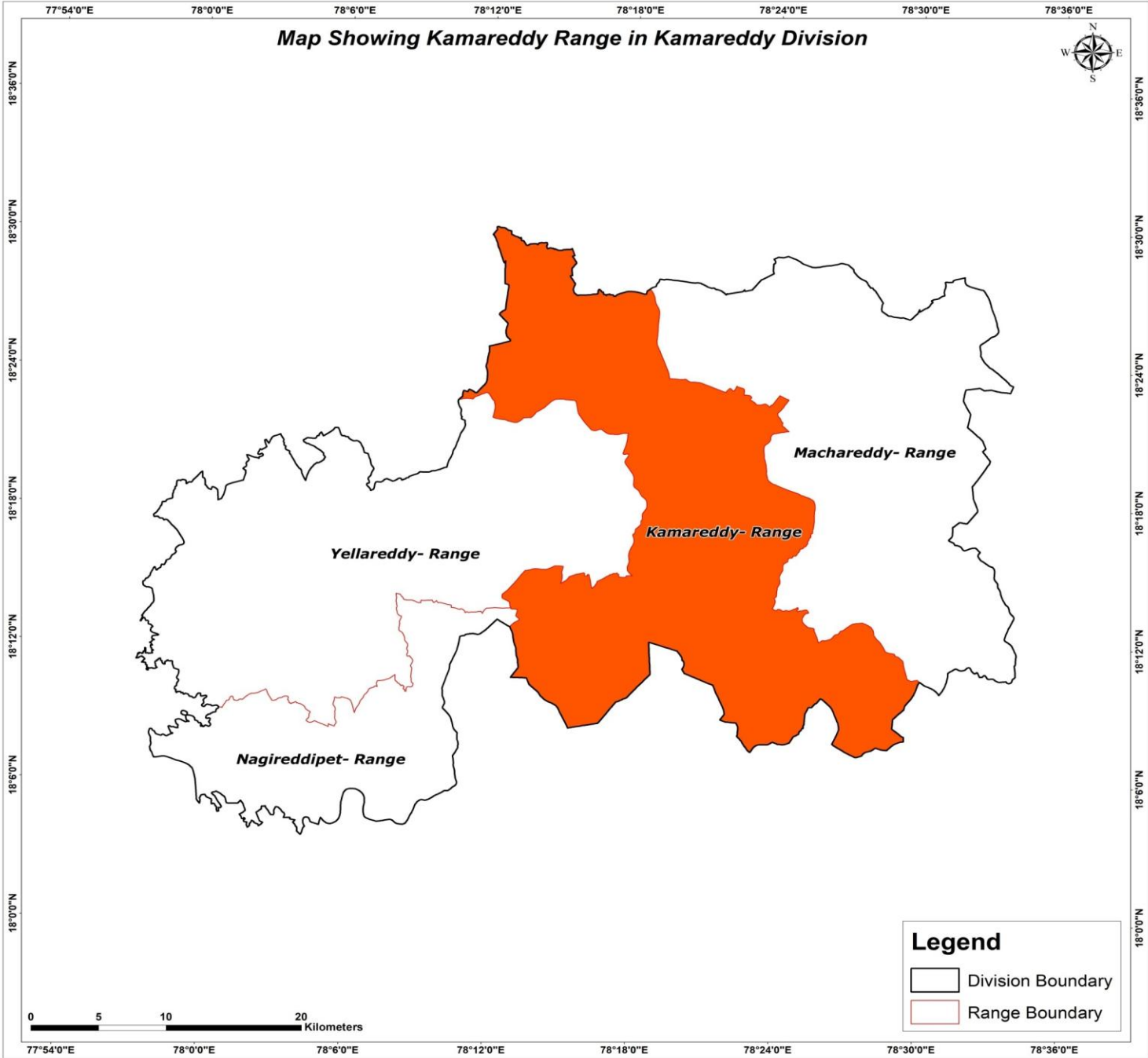
# CATCHMENT AREA



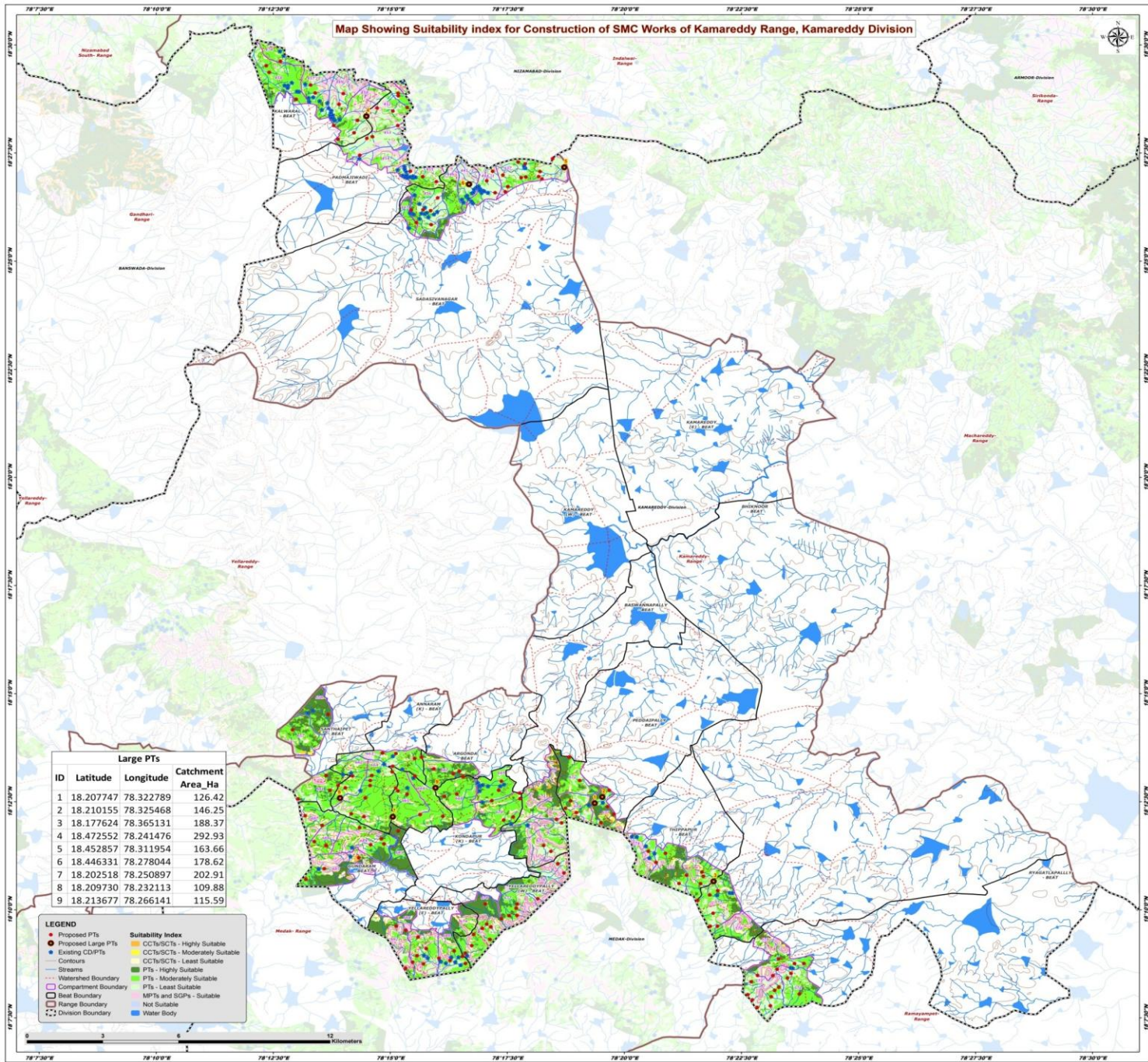
# Sample Catchment Map



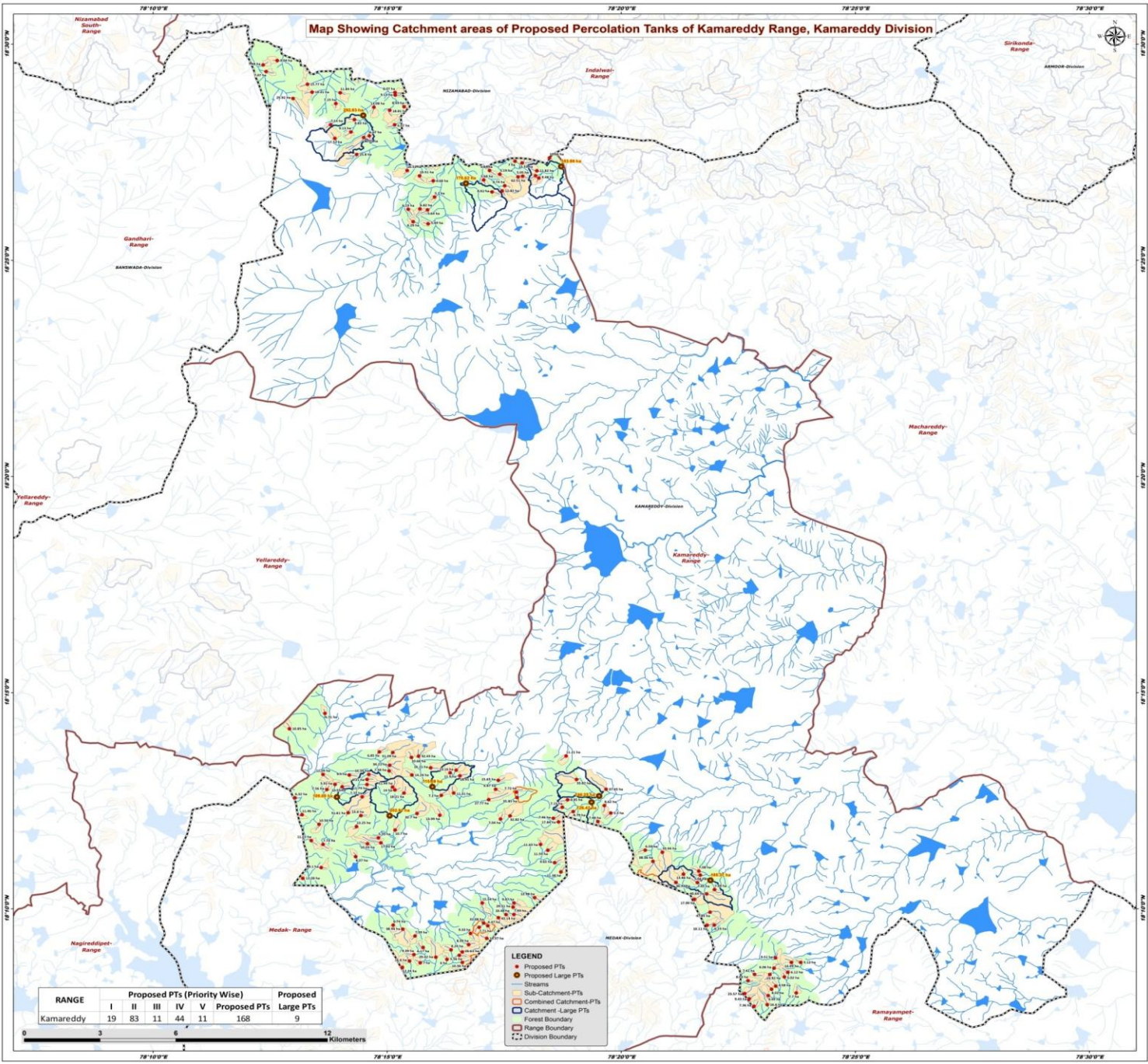
# Map Showing Kamareddy Range in Kamareddy Division



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



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



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Kamareddy	19	83	11	44	11	168

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

0 3 6 9 12 Kilometers

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

S. No.	Beat	Proposed PT's
1	ANNARAM_K	16
2	ARGONDA	9
3	BASWANNAPALLY	4
4	BHIKNOOR	6
5	GUNDARAM	12
6	KALWARAL	12
7	KONDAPUR_K	9
8	PADMAJIWADI	12
9	PEDDAIPALLY	9
10	RYAGATLAPALLY	17
11	SADASIVANAGAR	20
12	SANTHAIPET	5
13	THIPPAPUR	8
14	YELLAREDDYPALLY_E	13
15	YELLAREDDYPALLY_W	16
	<b>Total</b>	<b>168</b>

## List of Proposed PTs – Kamareddy Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
1	18.186739	78.238782	6.37	I	GUNDARAM	41	18.161158	78.284375	31.08	V	YELLAREDDYPALLY_W	81	18.189258	78.341901	6.59	II	THIPPAPUR
2	18.194002	78.246894	5.35	I	GUNDARAM	42	18.200125	78.311020	17.84	II	BASWANNAPALLY	82	18.180004	78.355492	13.86	II	THIPPAPUR
3	18.178405	78.220002	11.28	I	GUNDARAM	43	18.191466	78.304628	11.63	IV	BASWANNAPALLY	83	18.188455	78.347972	33.94	III	THIPPAPUR
4	18.196988	78.252853	10.70	I	GUNDARAM	44	18.201535	78.309180	7.46	IV	BASWANNAPALLY	84	18.184954	78.344643	38.36	V	THIPPAPUR
5	18.198336	78.239093	13.25	II	GUNDARAM	45	18.189212	78.307205	11.55	IV	BASWANNAPALLY	85	18.176806	78.352825	36.93	V	THIPPAPUR
6	18.199204	78.225767	10.56	II	GUNDARAM	46	18.170265	78.359423	17.99	II	BHIKNOOR	86	18.470945	78.238357	8.83	I	KALWARAL
7	18.202890	78.219729	11.46	II	GUNDARAM	47	18.172361	78.363754	40.64	III	BHIKNOOR	87	18.484550	78.221646	15.77	II	KALWARAL
8	18.192070	78.247779	17.43	II	GUNDARAM	48	18.160295	78.363945	10.11	IV	BHIKNOOR	88	18.481525	78.223284	19.31	II	KALWARAL
9	18.191483	78.227179	7.74	II	GUNDARAM	49	18.160348	78.366498	6.23	IV	BHIKNOOR	89	18.463682	78.231401	17.52	II	KALWARAL
10	18.192926	78.223006	11.01	II	GUNDARAM	50	18.174033	78.366554	7.49	IV	BHIKNOOR	90	18.493709	78.210902	9.04	II	KALWARAL
11	18.191731	78.243033	10.03	IV	GUNDARAM	51	18.165323	78.364956	47.85	V	BHIKNOOR	91	18.492010	78.205875	7.46	II	KALWARAL
12	18.182527	78.226548	8.10	IV	GUNDARAM	52	18.225577	78.313704	11.21	I	PEDDAIPALLY	92	18.489474	78.206944	7.07	II	KALWARAL
13	18.160323	78.252174	6.74	I	YELLAREDDYPALLY_E	53	18.203542	78.329645	5.30	I	PEDDAIPALLY	93	18.468986	78.229889	7.14	II	KALWARAL
14	18.156138	78.259914	7.39	II	YELLAREDDYPALLY_E	54	18.206451	78.327332	8.62	I	PEDDAIPALLY	94	18.479060	78.216536	25.92	III	KALWARAL
15	18.148685	78.275692	5.56	II	YELLAREDDYPALLY_E	55	18.204142	78.316262	8.79	II	PEDDAIPALLY	95	18.481299	78.233305	11.84	IV	KALWARAL
16	18.144056	78.255434	12.24	II	YELLAREDDYPALLY_E	56	18.208674	78.314265	8.85	II	PEDDAIPALLY	96	18.466169	78.237105	9.13	IV	KALWARAL
17	18.145793	78.261772	7.00	II	YELLAREDDYPALLY_E	57	18.205781	78.312375	7.15	II	PEDDAIPALLY	97	18.477145	78.231751	7.15	IV	KALWARAL
18	18.151685	78.262821	6.17	II	YELLAREDDYPALLY_E	58	18.200286	78.325039	7.48	II	PEDDAIPALLY	98	18.480391	78.252863	5.13	II	PADMAJIWADI
19	18.148976	78.259554	9.39	II	YELLAREDDYPALLY_E	59	18.216502	78.317465	33.82	III	PEDDAIPALLY	99	18.481385	78.252806	8.07	II	PADMAJIWADI
20	18.147118	78.271303	6.00	II	YELLAREDDYPALLY_E	60	18.212710	78.327937	37.65	V	PEDDAIPALLY	100	18.475921	78.256031	8.03	II	PADMAJIWADI
21	18.150792	78.272734	8.24	II	YELLAREDDYPALLY_E	61	18.134173	78.395645	7.70	I	RYAGATLAPALLLY	101	18.449226	78.261556	10.51	II	PADMAJIWADI
22	18.145969	78.276802	10.36	II	YELLAREDDYPALLY_E	62	18.135647	78.386868	8.02	II	RYAGATLAPALLLY	102	18.464666	78.243660	6.67	II	PADMAJIWADI
23	18.158770	78.255581	38.94	II	YELLAREDDYPALLY_E	63	18.143756	78.387738	6.06	II	RYAGATLAPALLLY	103	18.475742	78.245315	11.08	IV	PADMAJIWADI
24	18.146478	78.257961	16.60	IV	YELLAREDDYPALLY_E	64	18.145954	78.397247	5.12	II	RYAGATLAPALLLY	104	18.451316	78.257124	16.51	IV	PADMAJIWADI
25	18.147965	78.267345	29.42	V	YELLAREDDYPALLY_E	65	18.147687	78.388257	9.51	II	RYAGATLAPALLLY	105	18.468956	78.252671	6.07	IV	PADMAJIWADI
26	18.168854	78.295190	9.87	I	YELLAREDDYPALLY_W	66	18.133167	78.385689	9.49	II	RYAGATLAPALLLY	106	18.447308	78.266430	6.68	IV	PADMAJIWADI
27	18.164420	78.292309	10.48	I	YELLAREDDYPALLY_W	67	18.133941	78.377284	23.57	II	RYAGATLAPALLLY	107	18.474533	78.250922	18.81	IV	PADMAJIWADI
28	18.164473	78.295149	7.49	I	YELLAREDDYPALLY_W	68	18.136819	78.388347	6.58	II	RYAGATLAPALLLY	108	18.457475	78.239167	25.80	V	PADMAJIWADI
29	18.168872	78.283853	15.54	I	YELLAREDDYPALLY_W	69	18.140364	78.391405	5.02	IV	RYAGATLAPALLLY	109	18.464044	78.241692	36.93	V	PADMAJIWADI
30	18.159495	78.282757	7.71	II	YELLAREDDYPALLY_W	70	18.141331	78.380795	7.42	IV	RYAGATLAPALLLY	110	18.436495	78.261669	6.82	II	SADASIVANAGAR
31	18.155233	78.285450	14.37	II	YELLAREDDYPALLY_W	71	18.138898	78.378469	8.03	IV	RYAGATLAPALLLY	111	18.430765	78.264613	5.69	II	SADASIVANAGAR
32	18.152831	78.279001	8.39	II	YELLAREDDYPALLY_W	72	18.145956	78.393914	14.09	IV	RYAGATLAPALLLY	112	18.436347	78.257523	6.19	II	SADASIVANAGAR
33	18.157129	78.279697	9.33	II	YELLAREDDYPALLY_W	73	18.129053	78.380623	7.36	IV	RYAGATLAPALLLY	113	18.451220	78.303304	11.82	II	SADASIVANAGAR
34	18.160077	78.285857	6.47	II	YELLAREDDYPALLY_W	74	18.141320	78.386241	10.92	IV	RYAGATLAPALLLY	114	18.445430	78.291863	8.74	II	SADASIVANAGAR
35	18.167268	78.294834	29.51	III	YELLAREDDYPALLY_W	75	18.131953	78.378950	9.43	IV	RYAGATLAPALLLY	115	18.431544	78.259266	6.29	II	SADASIVANAGAR
36	18.149984	78.276736	26.63	III	YELLAREDDYPALLY_W	76	18.129656	78.385310	16.60	IV	RYAGATLAPALLLY	116	18.449125	78.298268	5.05	II	SADASIVANAGAR
37	18.163212	78.289599	43.14	III	YELLAREDDYPALLY_W	77	18.142154	78.392680	6.12	IV	RYAGATLAPALLLY	117	18.448391	78.304013	9.48	IV	SADASIVANAGAR
38	18.180849	78.311866	11.38	IV	YELLAREDDYPALLY_W	78	18.181167	78.360967	7.08	II	THIPPAPUR	118	18.436123	78.264372	5.64	IV	SADASIVANAGAR
39	18.170912	78.302515	12.98	IV	YELLAREDDYPALLY_W	79	18.176745	78.360456	7.45	II	THIPPAPUR	119	18.456182	78.307826	10.34	IV	SADASIVANAGAR
40	18.184393	78.309632	9.65	IV	YELLAREDDYPALLY_W	80	18.179593	78.361511	5.04	II	THIPPAPUR	120	18.451315	78.286465	5.84	IV	SADASIVANAGAR

## List of Proposed PTs – Kamareddy Range

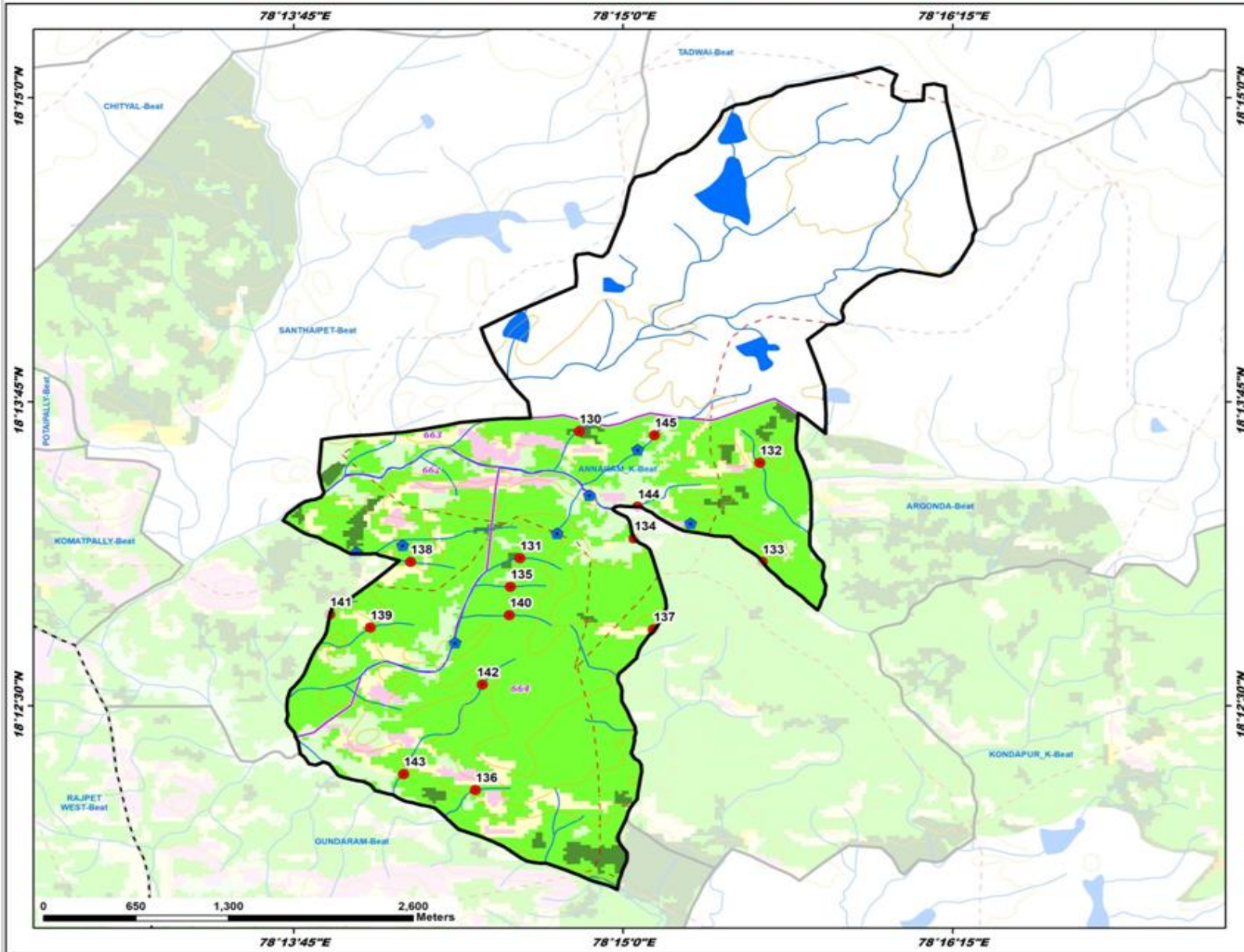
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
121	18.443047	78.287340	8.61	IV	SADASIVANAGAR
122	18.443445	78.290938	12.82	IV	SADASIVANAGAR
123	18.447650	78.284370	5.68	IV	SADASIVANAGAR
124	18.454879	78.295567	7.00	IV	SADASIVANAGAR
125	18.441074	78.266903	5.10	IV	SADASIVANAGAR
126	18.449881	78.290105	5.19	IV	SADASIVANAGAR
127	18.454213	78.298034	15.53	IV	SADASIVANAGAR
128	18.449318	78.302842	5.26	IV	SADASIVANAGAR
129	18.448854	78.296621	62.51	IV	SADASIVANAGAR
130	18.227134	78.247231	6.85	I	ANNARAM_K
131	18.218451	78.243479	16.39	II	ANNARAM_K
132	18.224983	78.258652	10.66	II	ANNARAM_K
133	18.218203	78.258806	14.24	II	ANNARAM_K
134	18.219813	78.250700	7.58	II	ANNARAM_K
135	18.216499	78.242870	6.21	II	ANNARAM_K
136	18.202577	78.240661	13.80	II	ANNARAM_K
137	18.213573	78.251915	11.49	II	ANNARAM_K
138	18.218200	78.236562	9.40	II	ANNARAM_K
139	18.213697	78.234009	10.55	II	ANNARAM_K
140	18.214545	78.242817	11.79	II	ANNARAM_K
141	18.214604	78.231458	5.91	II	ANNARAM_K
142	18.209797	78.241106	7.77	II	ANNARAM_K
143	18.203662	78.236122	51.61	IV	ANNARAM_K
144	18.221992	78.250911	34.21	V	ANNARAM_K
145	18.226884	78.251995	51.09	V	ANNARAM_K
146	18.217900	78.275895	18.91	I	ARGONDA
147	18.220060	78.274560	13.16	I	ARGONDA
148	18.219063	78.272444	11.90	I	ARGONDA
149	18.202717	78.268762	13.99	II	ARGONDA
150	18.212448	78.252763	14.00	II	ARGONDA
151	18.220986	78.265520	16.11	II	ARGONDA
152	18.211237	78.255983	18.21	II	ARGONDA
153	18.203350	78.260632	32.70	III	ARGONDA
154	18.225476	78.261168	32.43	III	ARGONDA
155	18.201238	78.290385	7.04	II	KONDAPUR_K
156	18.211290	78.273720	11.31	II	KONDAPUR_K
157	18.210354	78.269271	7.10	II	KONDAPUR_K
158	18.212715	78.288626	6.87	II	KONDAPUR_K
159	18.211634	78.296061	7.72	II	KONDAPUR_K
160	18.202453	78.293759	32.82	III	KONDAPUR_K

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
161	18.208717	78.286148	27.77	III	KONDAPUR_K
162	18.216188	78.289563	15.65	IV	KONDAPUR_K
163	18.209529	78.296237	35.85	V	KONDAPUR_K
164	18.241963	78.227859	6.71	I	SANTHAIPET
165	18.212629	78.228557	7.56	II	SANTHAIPET
166	18.236035	78.215235	10.85	II	SANTHAIPET
167	18.218457	78.227176	11.09	II	SANTHAIPET
168	18.209435	78.217212	6.32	II	SANTHAIPET

# Map Showing Suitability Index for Construction of SMC Works of Annaram\_K Beat



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
130	18.227134	78.247231	6.85	I
131	18.218451	78.243479	16.39	II
132	18.224983	78.258652	10.66	II
133	18.218203	78.258806	14.24	II
134	18.219813	78.250700	7.58	II
135	18.216499	78.242870	6.21	II
136	18.202577	78.240661	13.80	II
137	18.213573	78.251915	11.49	II
138	18.218200	78.236562	9.40	II
139	18.213497	78.234009	10.55	II
140	18.214545	78.242817	11.79	II
141	18.214604	78.231458	5.91	II
142	18.209797	78.241106	7.77	II
143	18.203662	78.236122	51.61	IV
144	18.221992	78.250911	34.21	V
145	18.226884	78.251995	51.09	V

**LEGEND**

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

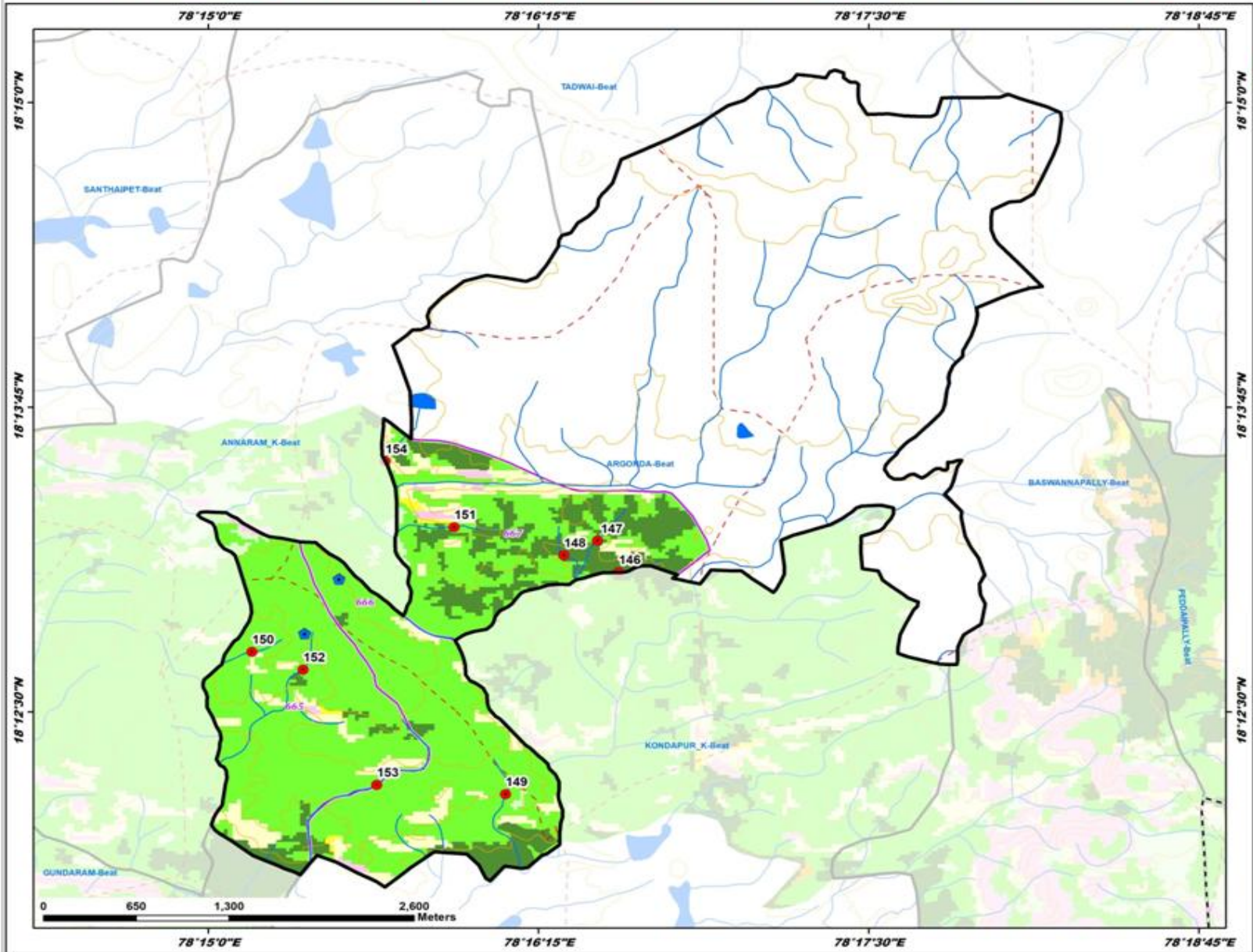
**Suitability Index**

- 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 Argonda Beat



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
146	18.217900	78.275895	18.91	I
147	18.220060	78.274560	13.16	I
148	18.219063	78.272444	11.90	I
149	18.202717	78.268762	13.99	II
150	18.212448	78.252763	14.00	II
151	18.220986	78.265520	16.11	II
152	18.211217	78.255983	18.21	II
153	18.203350	78.260632	32.70	III
154	18.225476	78.261168	32.43	III

**LEGEND**

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

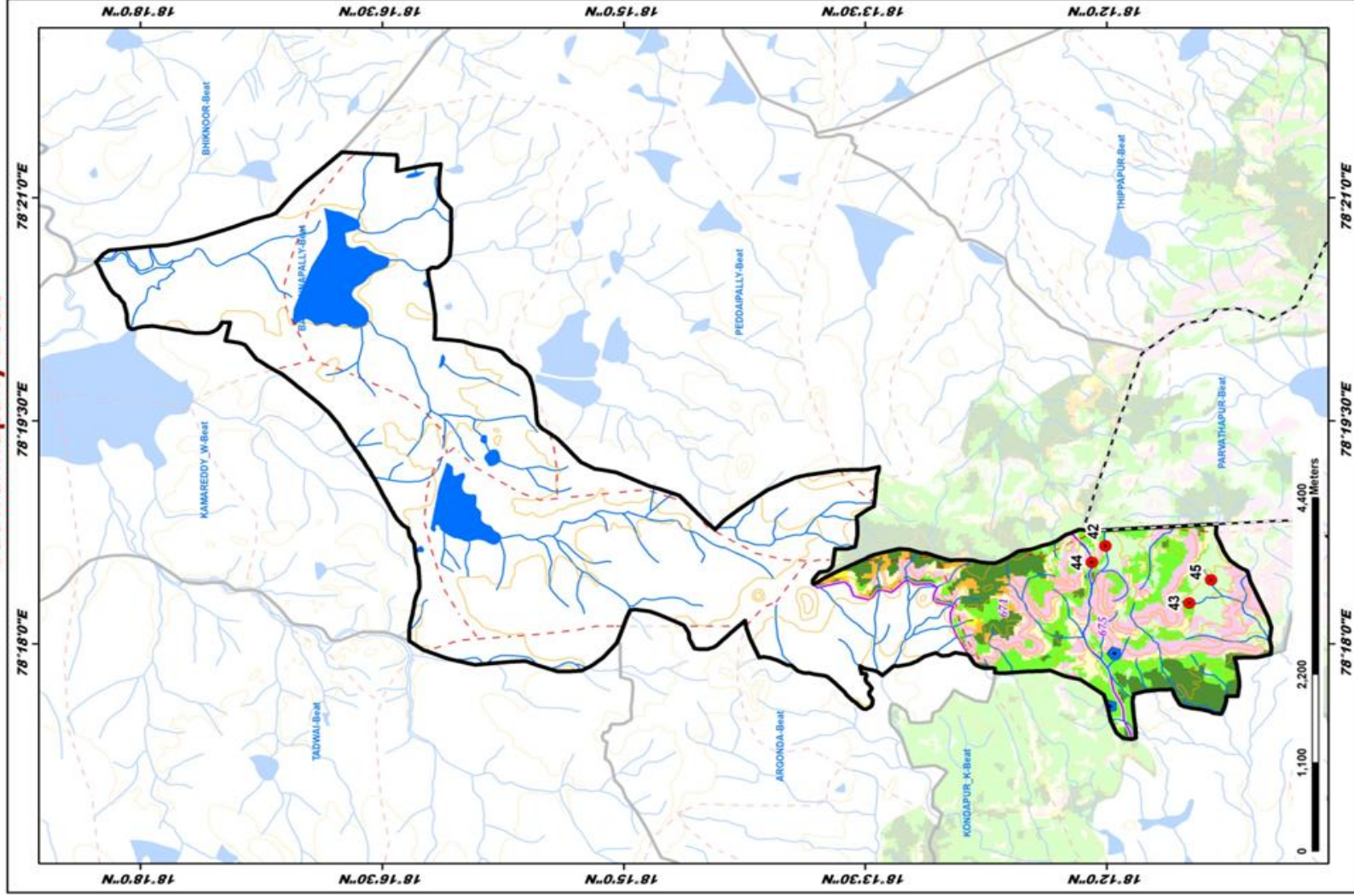
**Suitability Index**

- 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 Baswannappally Beat



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area No	PRIORITY
42	18.20025	78.31120	17.94	II
43	18.19166	78.30628	11.63	IV
44	18.201535	78.309180	7.46	IV
45	18.189212	78.307205	11.55	IV

## LEGEND

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

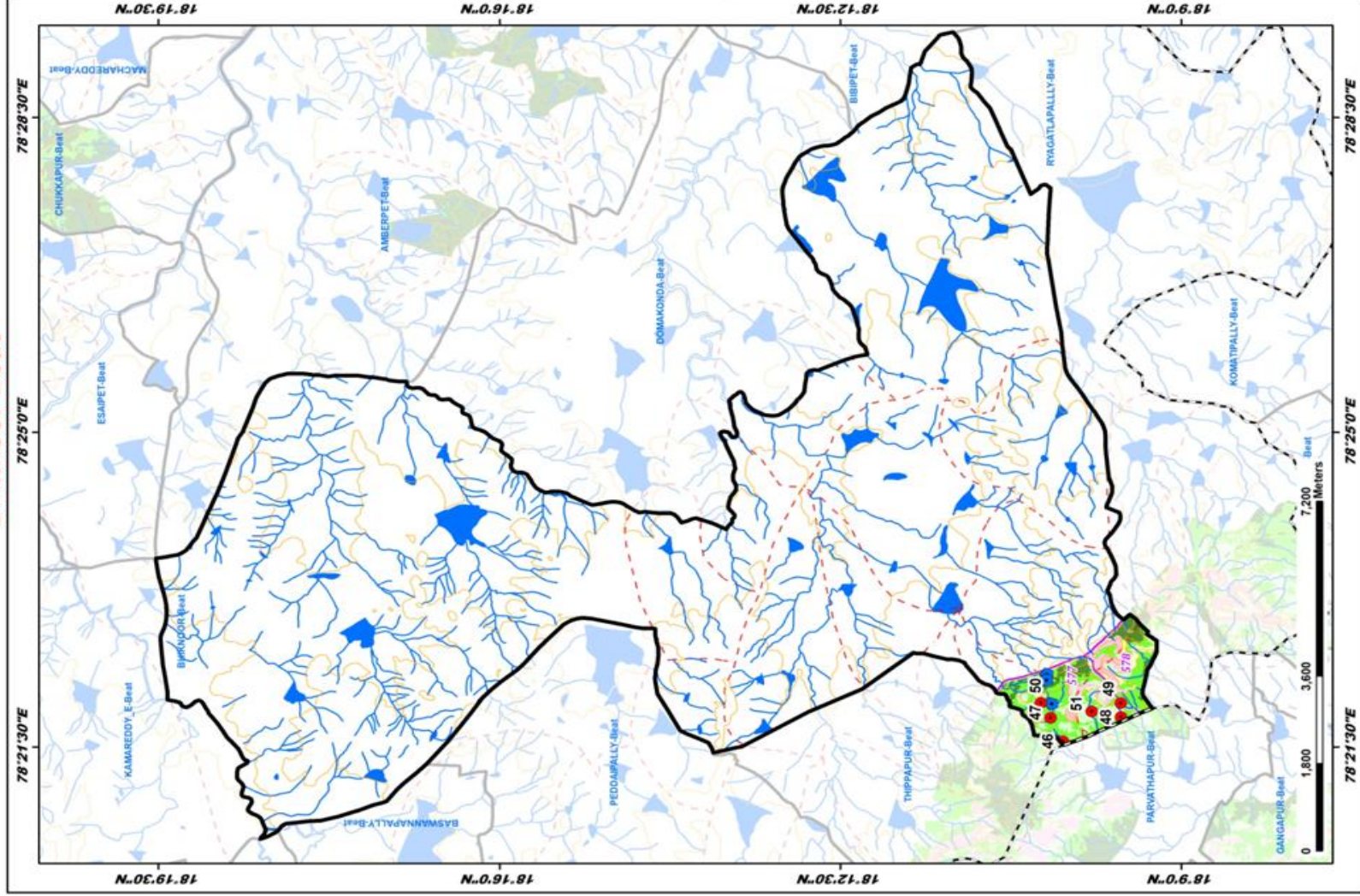
## Suitability Index

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

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



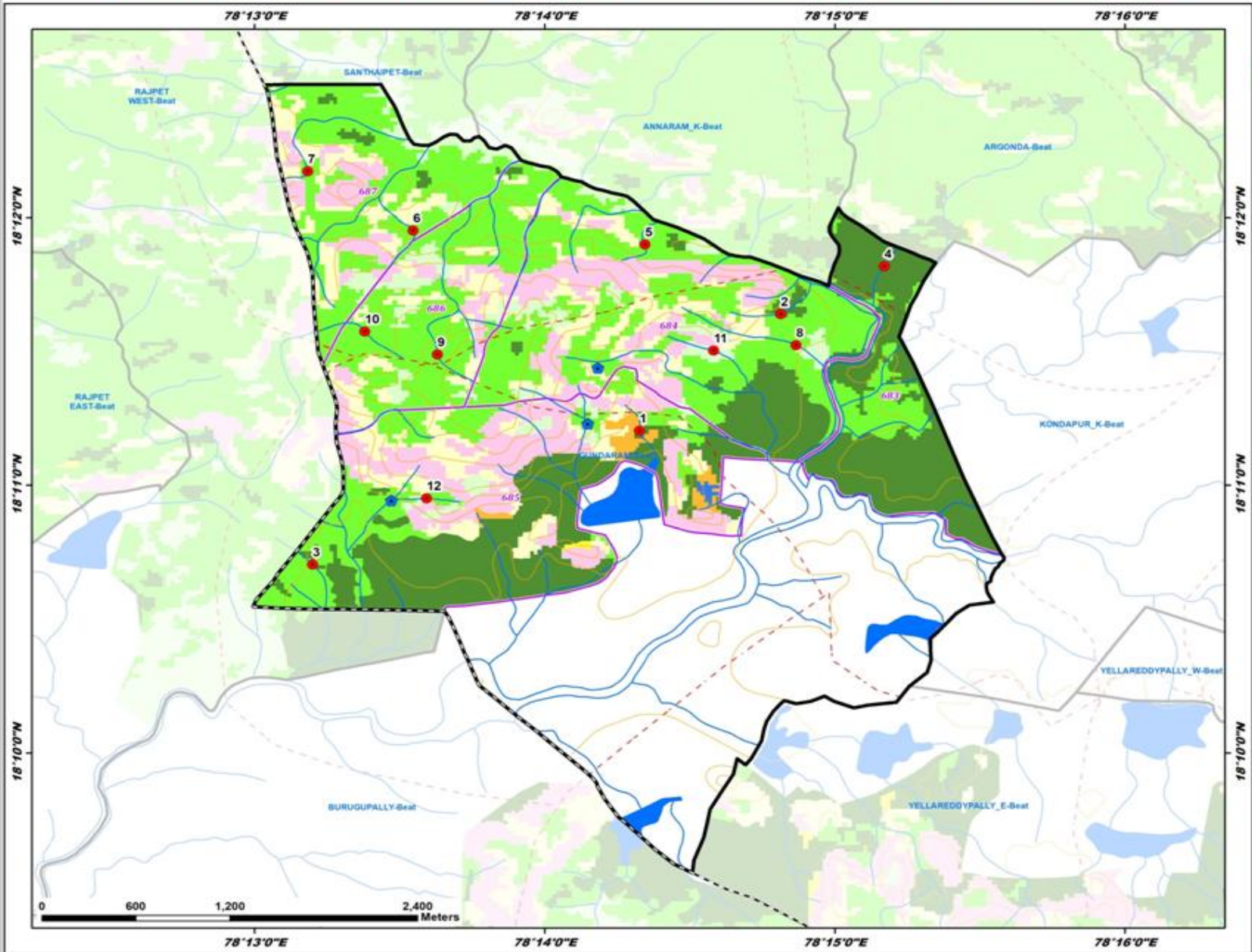
Division : Kamareddy  
Range : Kamareddy



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



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
1	18.186739	78.238782	6.37	I
2	18.194002	78.246894	5.35	I
3	18.178405	78.220002	11.28	I
4	18.196988	78.252853	10.70	I
5	18.198336	78.239093	13.25	II
6	18.199204	78.225767	10.56	II
7	18.202890	78.219729	11.46	II
8	18.192070	78.247779	17.43	II
9	18.191483	78.227179	7.74	II
10	18.192926	78.223006	11.01	II
11	18.191731	78.243033	10.03	IV
12	18.182527	78.226548	8.10	IV

**LEGEND**

- Proposed PTs (Red dot)
- Existing CD/PTs (Blue dot)
- Contours (Yellow line)
- Streams (Blue line)
- Watershed Boundary (Dashed red line)
- Compartment Boundary (Dashed purple line)
- Beat Boundary (Thick black line)
- Division Boundary (Dashed black line)

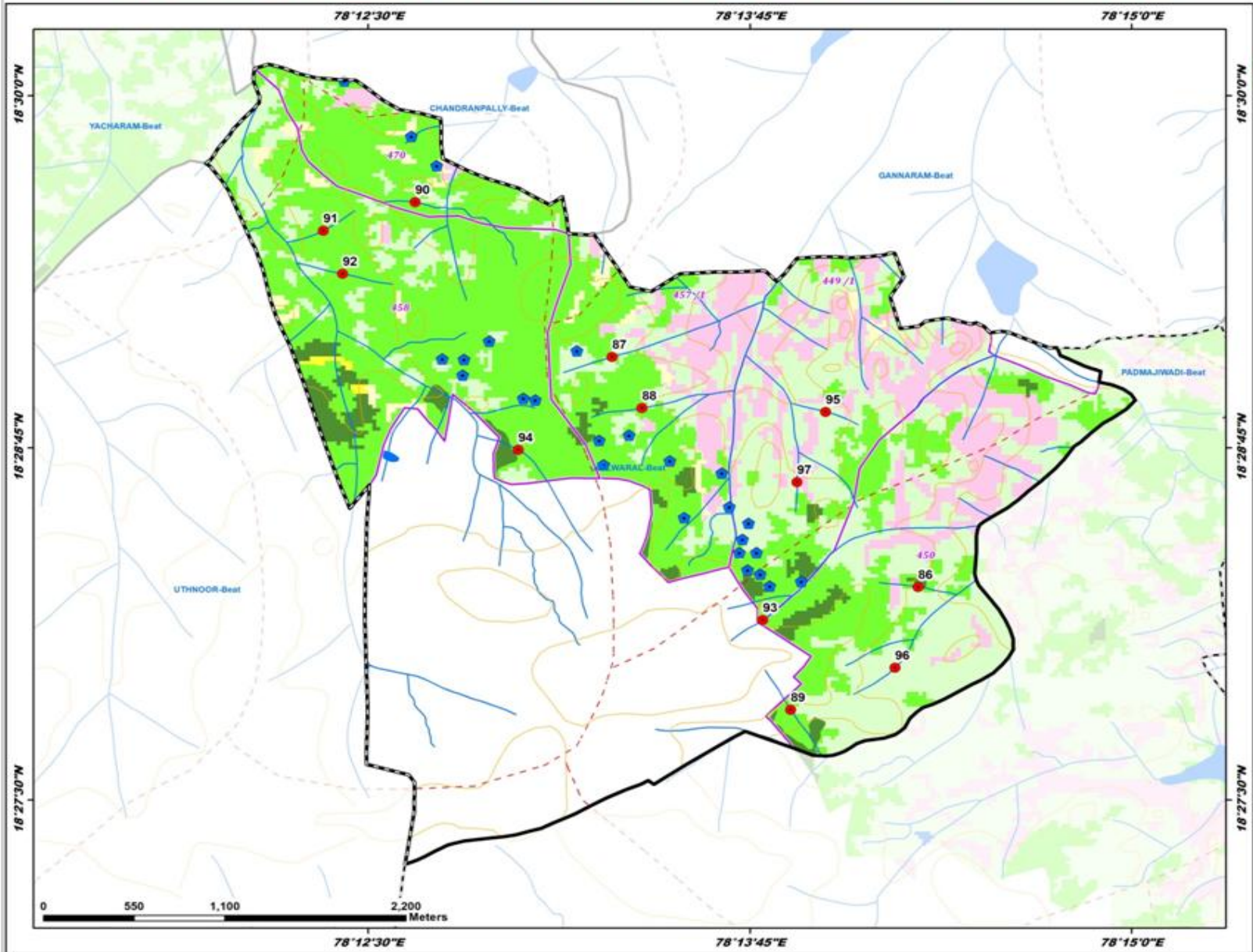
**Suitability Index**

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

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



Division : Kamareddy  
Range : Kamareddy



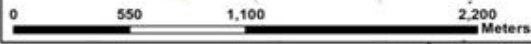
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
86	18.470945	78.238357	8.83	I
87	18.484550	78.221646	15.77	II
88	18.481525	78.223284	19.31	II
89	18.463682	78.231401	17.52	II
90	18.493709	78.210902	9.04	II
91	18.492010	78.205875	7.46	II
92	18.489474	78.206944	7.07	II
93	18.468986	78.229689	7.14	II
94	18.479060	78.216536	25.92	III
95	18.481299	78.233305	11.84	IV
96	18.466169	78.237105	9.13	IV
97	18.477145	78.231751	7.15	IV

**LEGEND**

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

**Suitability Index**

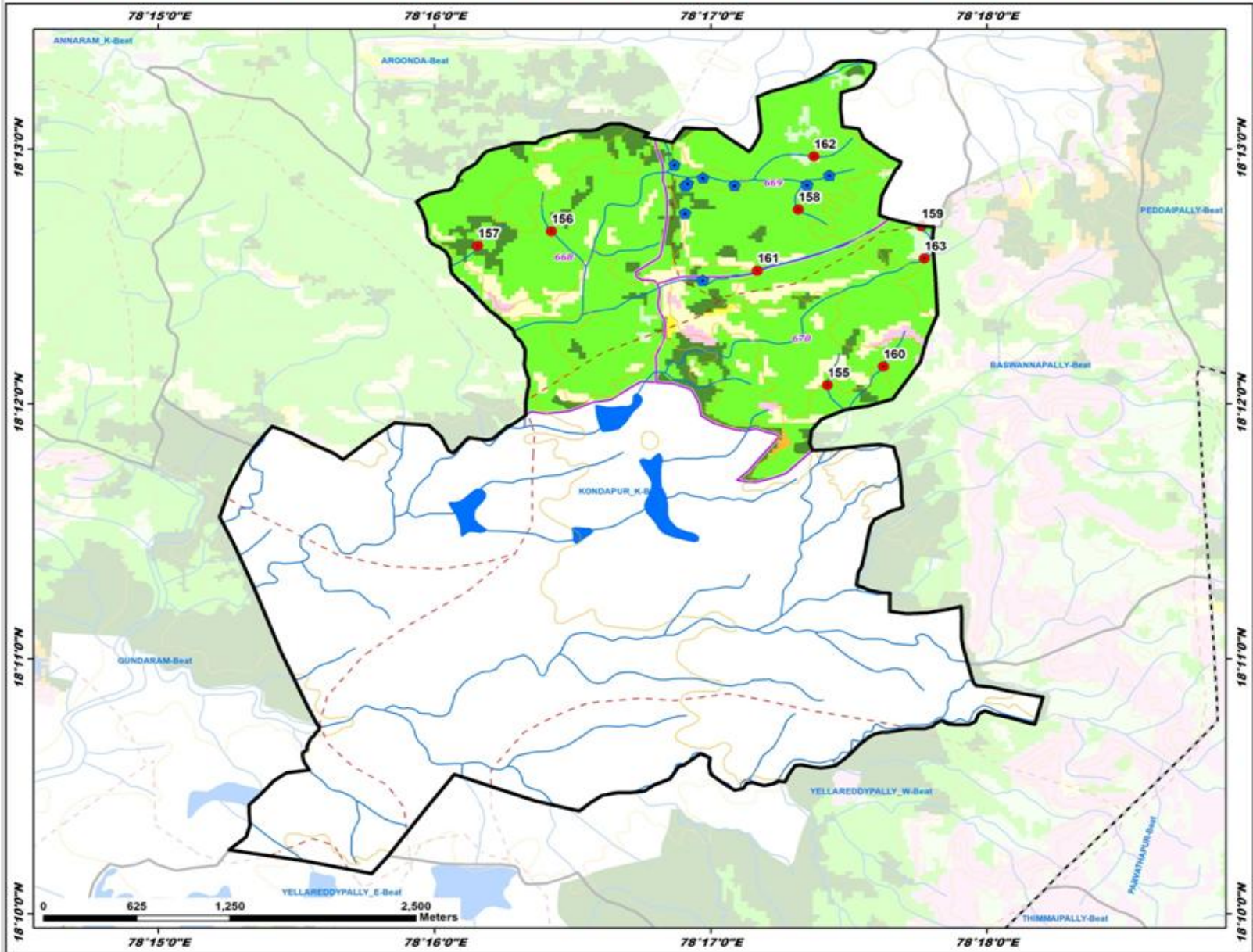
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Suitability Index for Construction of SMC Works of Kondapur\_K Beat



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
155	18.201238	78.290385	7.04	II
156	18.211290	78.273720	11.31	II
157	18.210354	78.269271	7.10	II
158	18.212715	78.288626	6.87	II
159	18.211634	78.296661	7.72	II
160	18.202453	78.293759	32.82	III
161	18.208717	78.286348	27.77	III
162	18.216188	78.289563	15.65	IV
163	18.209529	78.296237	35.85	V

**LEGEND**

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

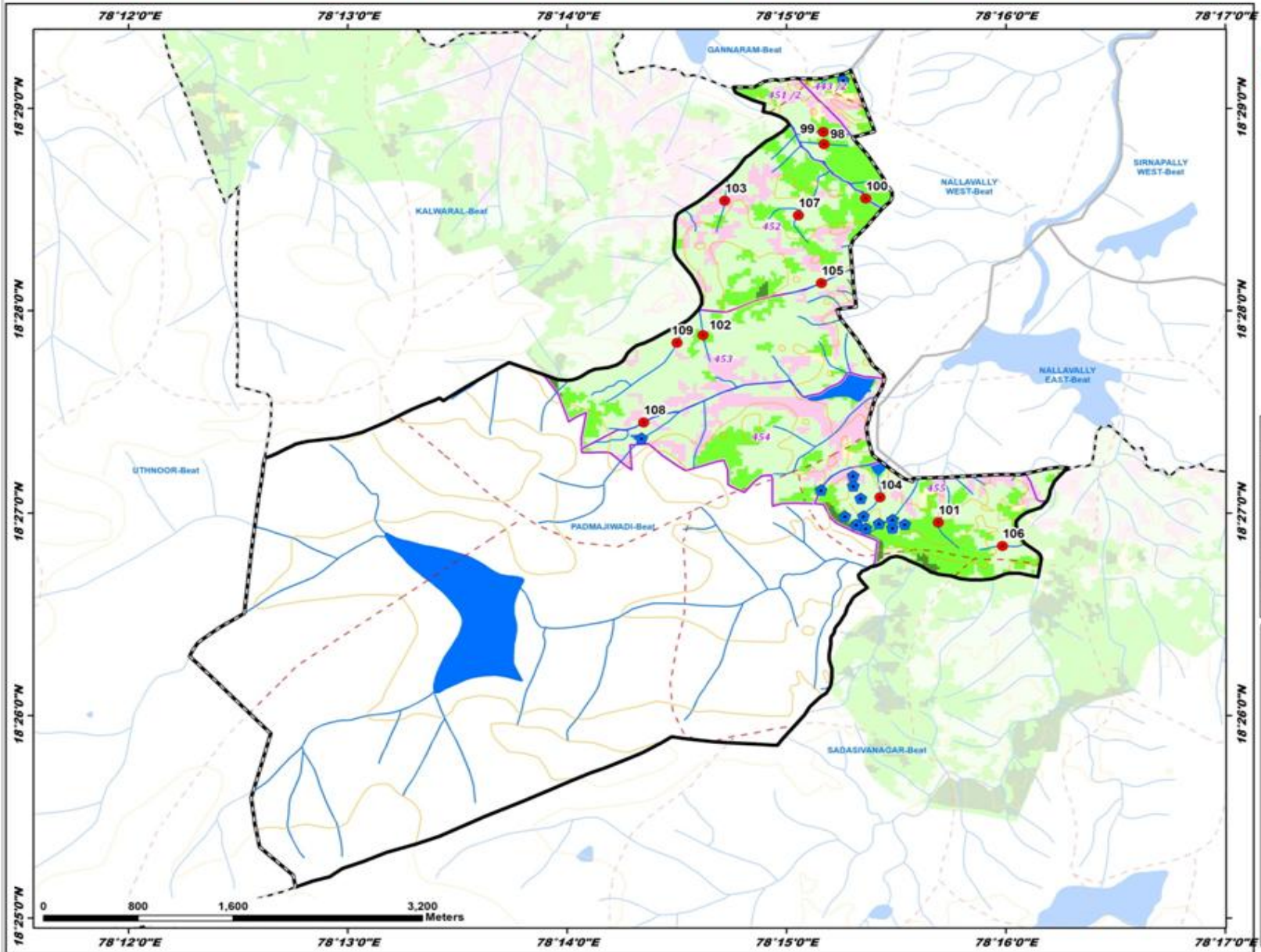
**Suitability Index**

- 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 Padmajiwadi Beat



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
98	18.480391	78.252863	5.13	II
99	18.481385	78.252806	8.07	II
100	18.475921	78.256031	8.03	II
101	18.469226	78.261556	10.51	II
102	18.466666	78.243660	6.67	II
103	18.475742	78.245315	11.08	IV
104	18.451316	78.257124	16.51	IV
105	18.468956	78.252671	6.07	IV
106	18.447308	78.266430	6.68	IV
107	18.476533	78.250922	18.81	IV
108	18.457475	78.239167	25.80	V
109	18.464044	78.241692	36.93	V

**LEGEND**

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

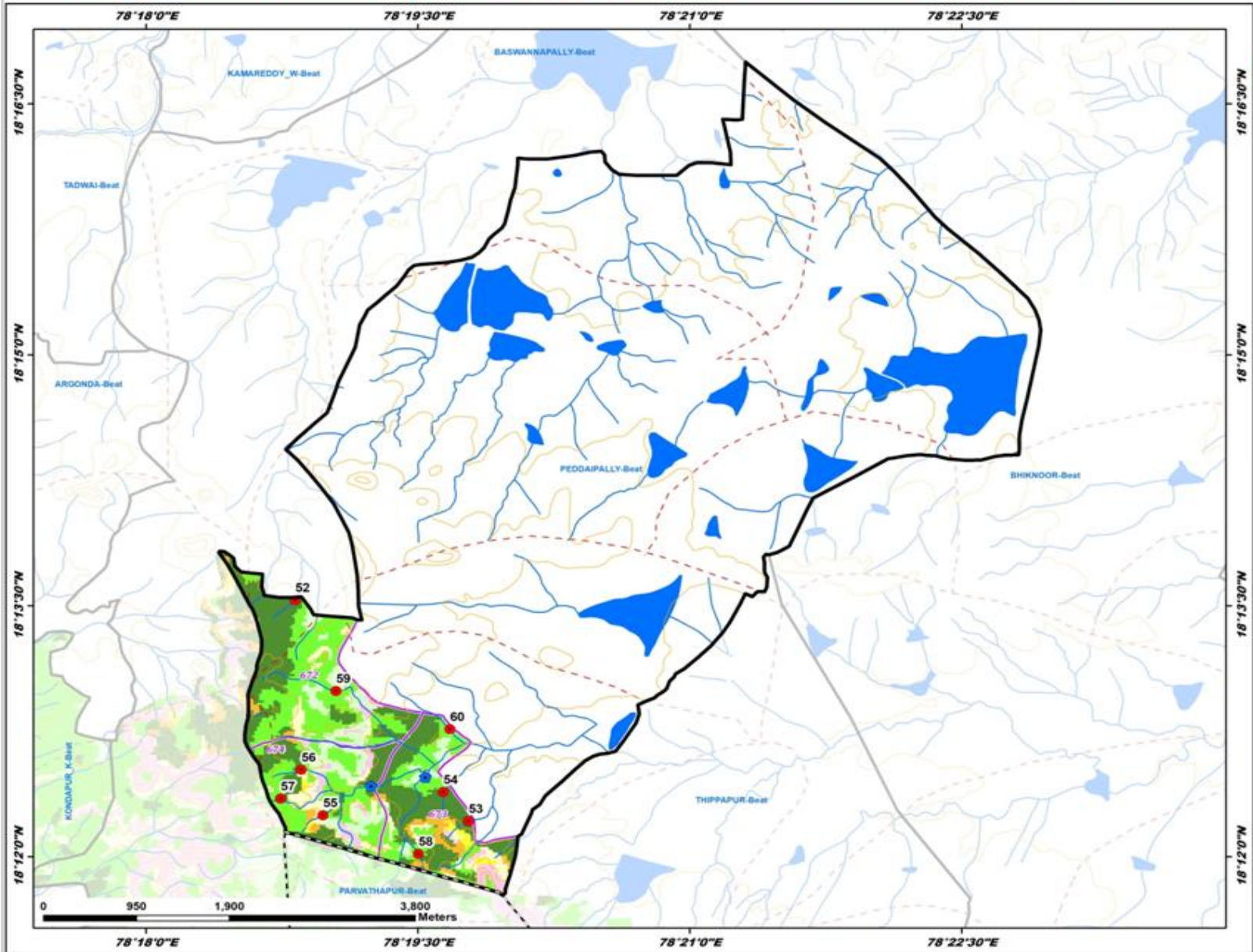
**Suitability Index**

- 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 Peddapally Beat



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
52	18.225577	78.313704	11.21	I
53	18.203542	78.329645	5.30	I
54	18.206451	78.327332	8.62	I
55	18.204142	78.316262	8.79	II
56	18.208674	78.314265	8.85	II
57	18.205781	78.312375	7.15	II
58	18.200286	78.325039	7.48	II
59	18.216502	78.317465	33.82	III
60	18.212710	78.327937	37.65	V

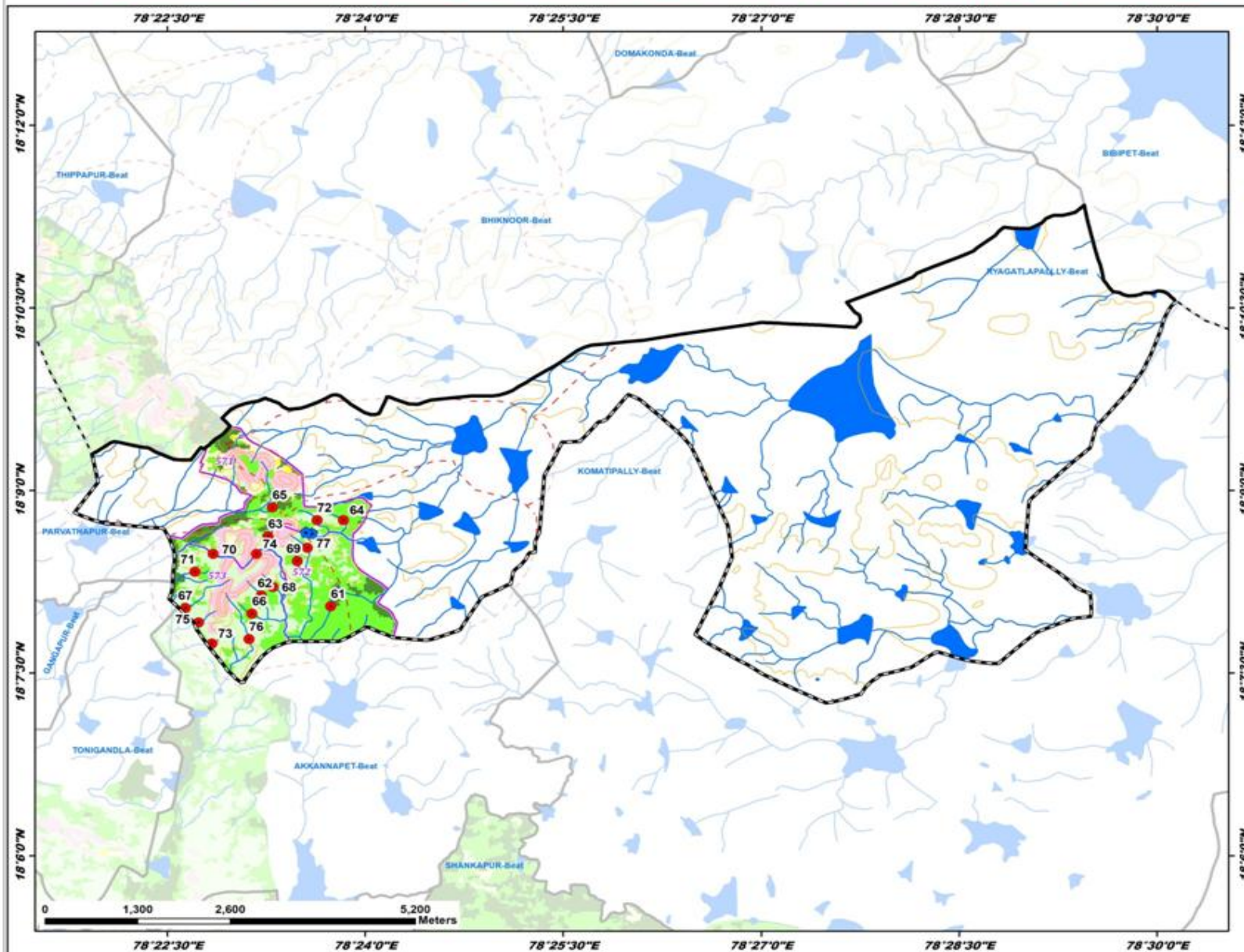
### LEGEND

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

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



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
61	18.134173	78.395645	7.70	I
62	18.135647	78.386868	8.02	II
63	18.143756	78.387738	6.06	II
64	18.145954	78.397247	5.12	II
65	18.147687	78.386257	9.51	II
66	18.133167	78.385689	9.49	II
67	18.133941	78.377284	25.57	II
68	18.136819	78.388347	6.58	II
69	18.140364	78.391405	5.02	IV
70	18.141331	78.380795	7.42	IV
71	18.138898	78.378469	8.03	IV
72	18.145956	78.393914	14.09	IV
73	18.129053	78.380623	7.36	IV
74	18.141320	78.386241	10.92	IV
75	18.131953	78.378950	9.43	IV
76	18.129656	78.385310	16.60	IV
77	18.142154	78.392680	6.12	IV

**LEGEND**

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

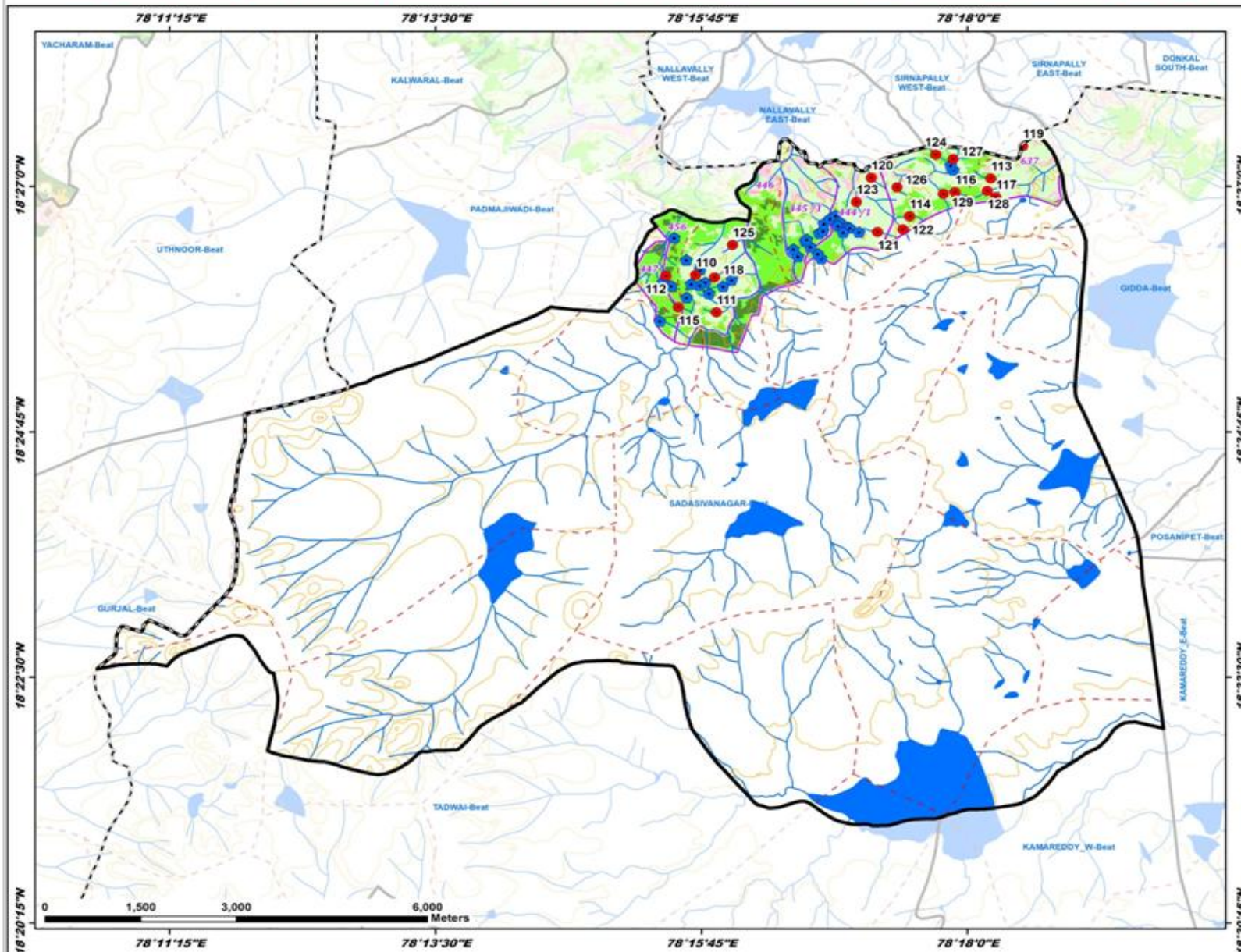
**Suitability Index**

- 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 Sadasivanagar Beat



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
110	18.436495	78.261669	6.82	II
111	18.430765	78.264613	5.69	II
112	18.436347	78.257523	6.19	II
113	18.451220	78.303304	11.82	II
114	18.445430	78.291863	8.74	II
115	18.431544	78.259266	6.29	II
116	18.449125	78.298268	5.05	II
117	18.448391	78.304013	9.48	IV
118	18.436123	78.264372	5.64	IV
119	18.456182	78.307826	10.34	IV
120	18.451315	78.296445	5.84	IV
121	18.443047	78.287340	8.61	IV
122	18.443445	78.290938	12.82	IV
123	18.447650	78.284370	5.68	IV
124	18.454879	78.295567	7.00	IV
125	18.441074	78.266903	5.10	IV
126	18.449881	78.290105	5.19	IV
127	18.454213	78.298034	15.53	IV
128	18.449318	78.302842	5.26	IV
129	18.448854	78.296621	62.51	IV

**LEGEND**

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

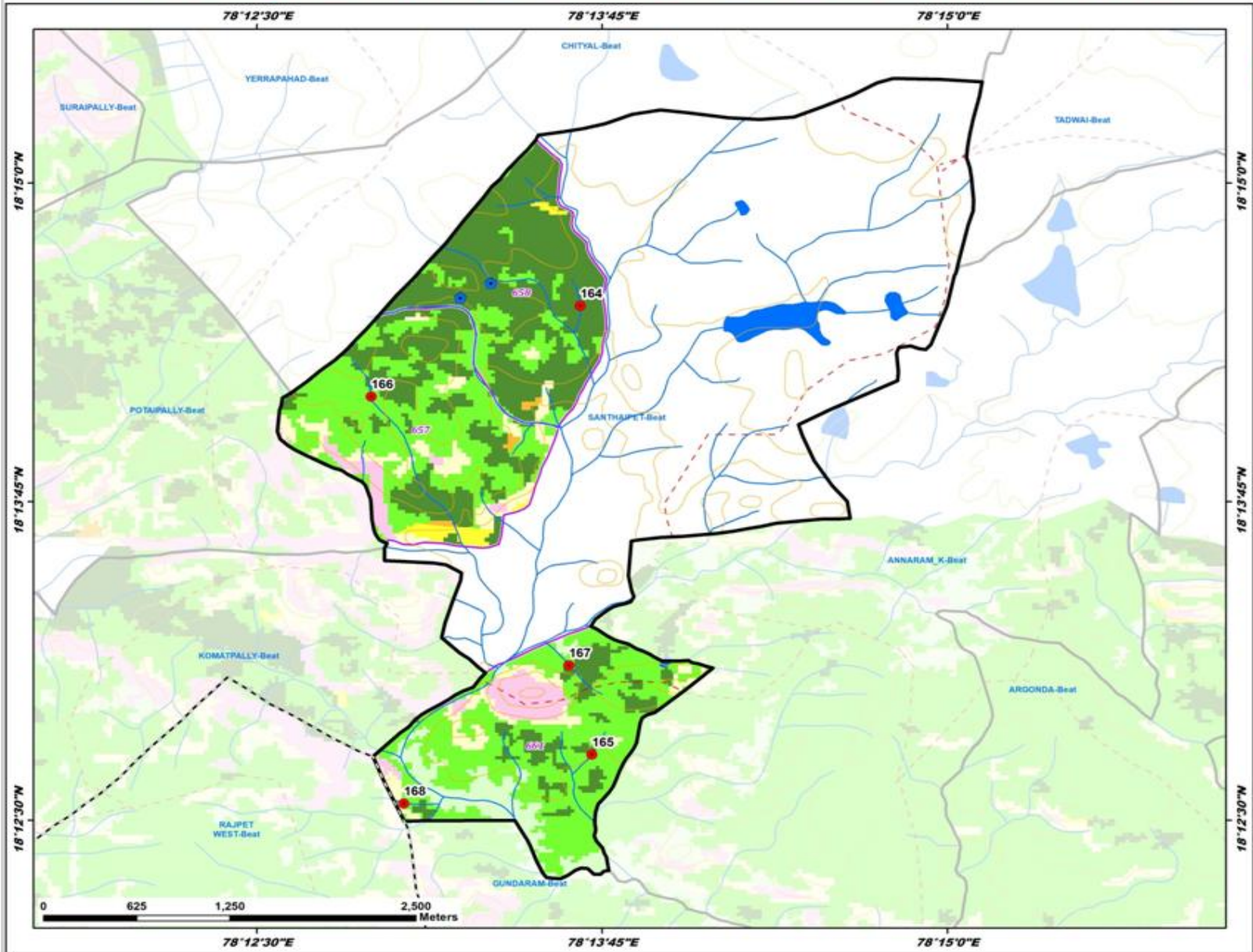
**Suitability Index**

- 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 Santhaipet Beat



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
164	18.241963	78.227859	6.71	I
165	18.212629	78.228557	7.56	II
166	18.236035	78.215235	10.85	II
167	18.218457	78.227176	11.09	II
168	18.209435	78.217212	6.52	II

**LEGEND**

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

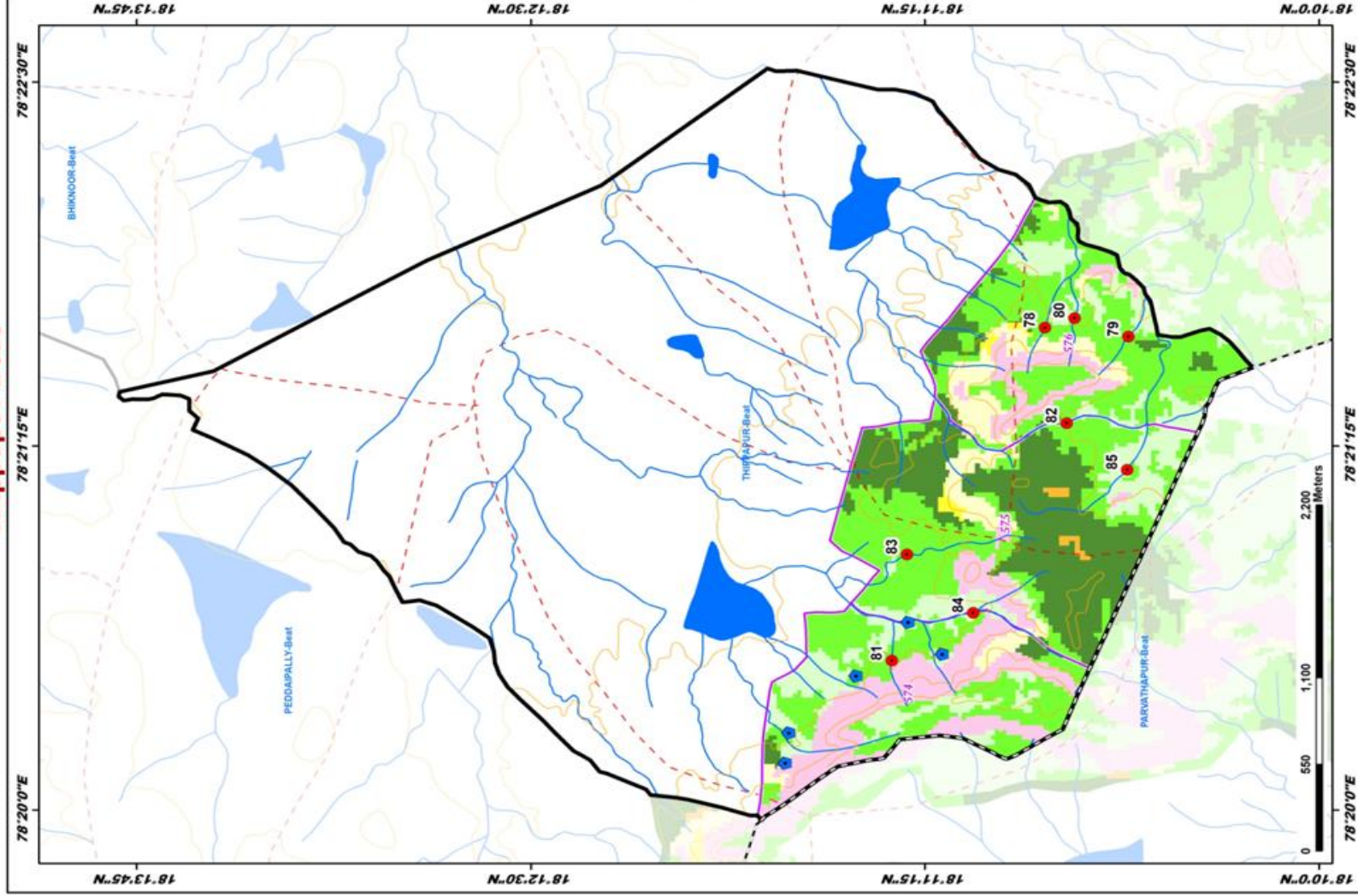
**Suitability Index**

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

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



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
78	18.181167	78.360967	7.08	II
79	18.176745	78.360456	7.45	II
80	18.179593	78.361511	5.04	II
81	18.188258	78.341901	6.59	II
82	18.180004	78.355492	13.86	II
83	18.188455	78.347972	33.94	III
84	18.188954	78.346483	38.36	V
85	18.178606	78.352825	36.93	V

## LEGEND

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

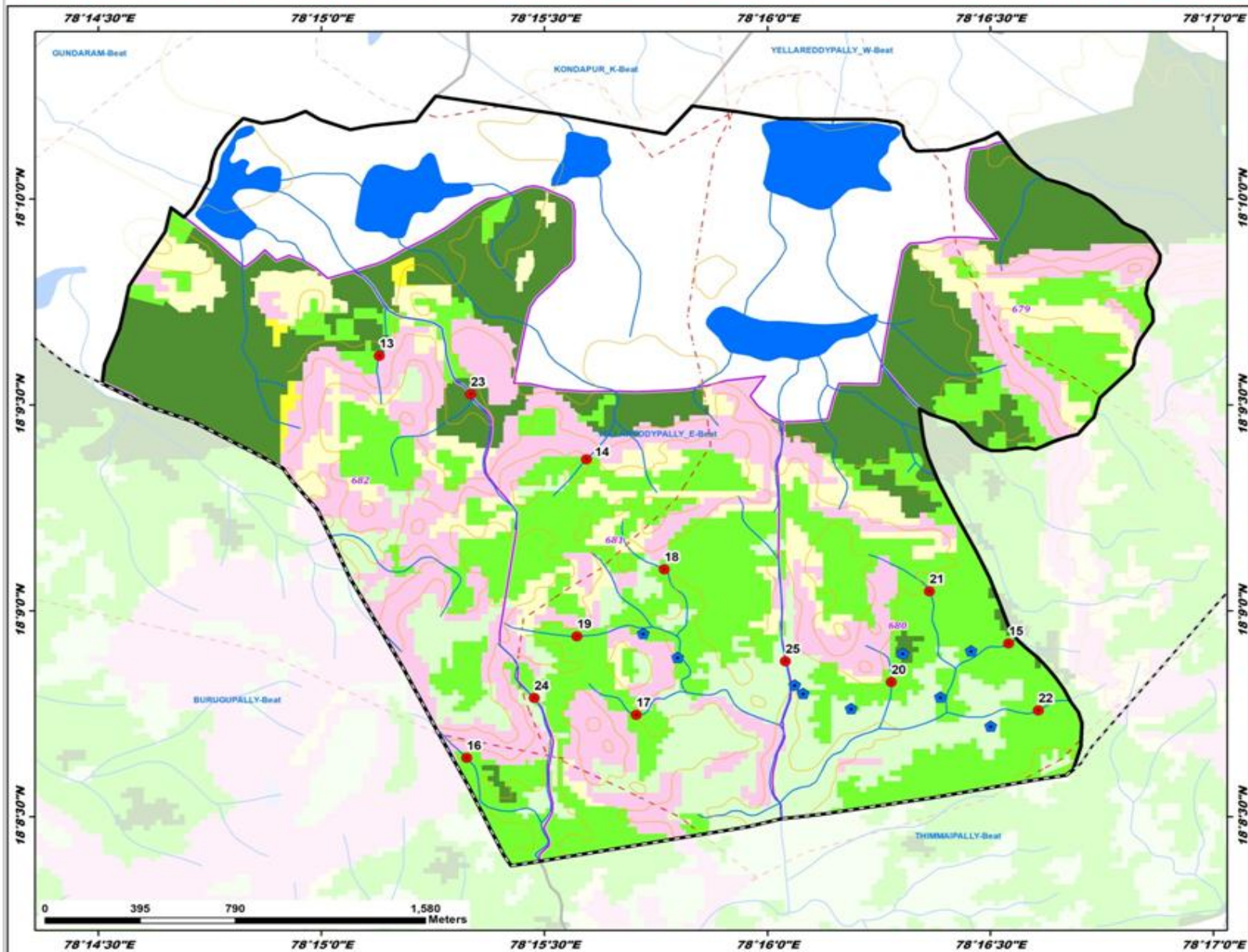
## Suitability Index

- 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 Yellareddypally East Beat



Division : Kamareddy  
Range : Kamareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
13	18.160323	78.252174	6.74	I
14	18.156138	78.259914	7.39	II
15	18.148685	78.275692	5.56	II
16	18.144056	78.255434	12.24	II
17	18.145793	78.261772	7.00	II
18	18.151685	78.262821	6.17	II
19	18.148976	78.259554	9.39	II
20	18.147118	78.271303	6.00	II
21	18.150792	78.272734	8.24	II
22	18.145969	78.276802	10.36	II
23	18.158770	78.255581	38.94	II
24	18.146478	78.257961	16.60	IV
25	18.147965	78.267345	29.42	V

**LEGEND**

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

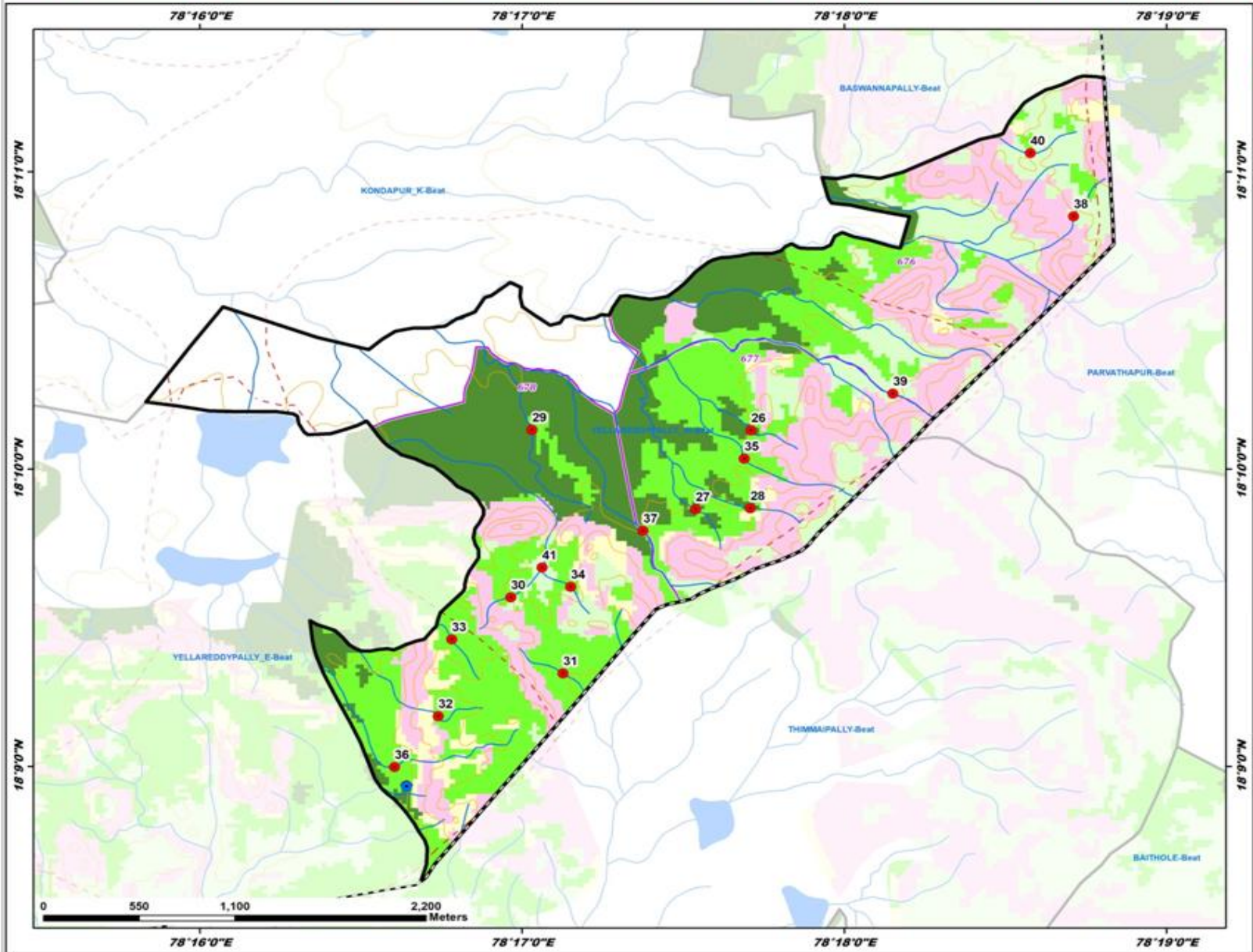
**Suitability Index**

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

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



Division : Kamareddy  
Range : Kamareddy



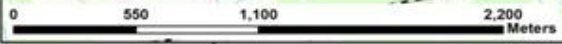
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
26	18.168854	78.295190	9.87	I
27	18.164420	78.292309	10.48	I
28	18.164473	78.295149	7.49	I
29	18.168872	78.283853	15.54	I
30	18.159495	78.282757	7.71	II
31	18.155233	78.285450	14.37	II
32	18.152831	78.279001	8.39	II
33	18.157129	78.279697	9.33	II
34	18.160077	78.285857	6.47	II
35	18.167268	78.294834	29.51	III
36	18.149984	78.276736	26.63	III
37	18.163212	78.289599	43.14	III
38	18.180849	78.311866	11.38	IV
39	18.170912	78.302515	12.98	IV
40	18.184393	78.309632	9.65	IV
41	18.161158	78.284375	31.08	V

**LEGEND**

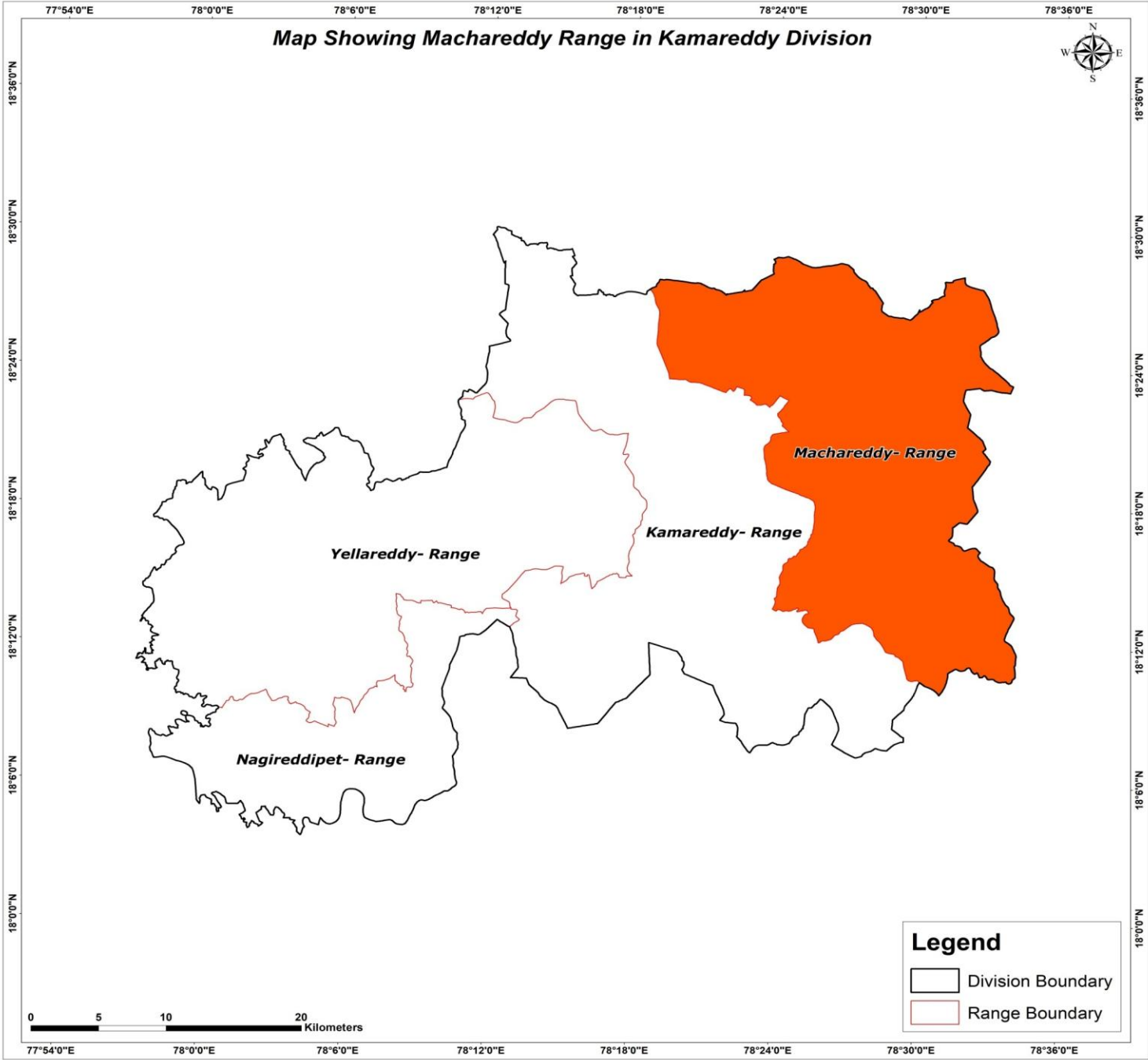
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - Watershed Boundary
- ▭ Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary

**Suitability Index**

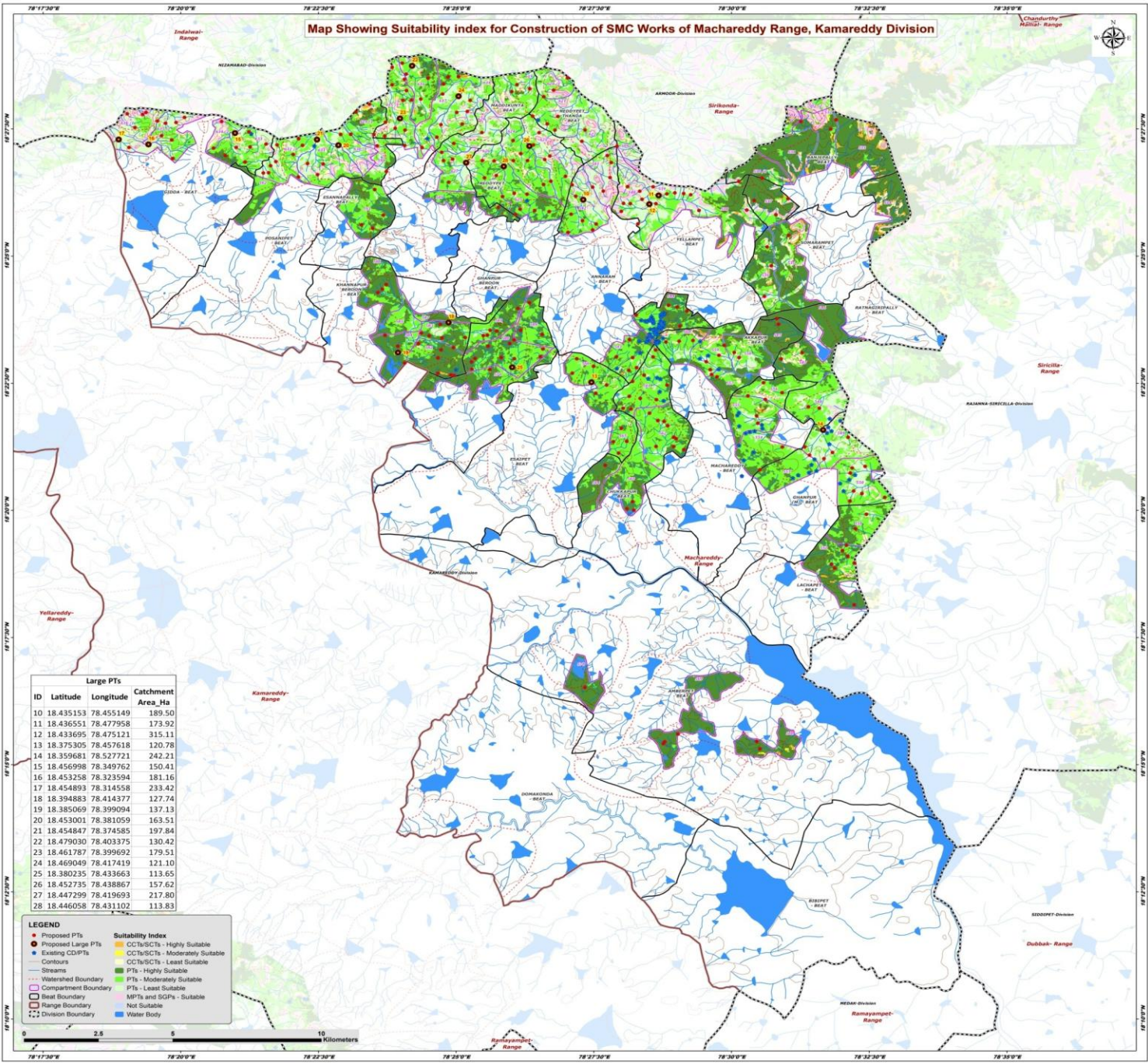
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



# Map Showing Machareddy Range in Kamareddy Division

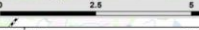


### Map Showing Suitability index for Construction of SMC Works of Machareddy Range, Kamareddy Division

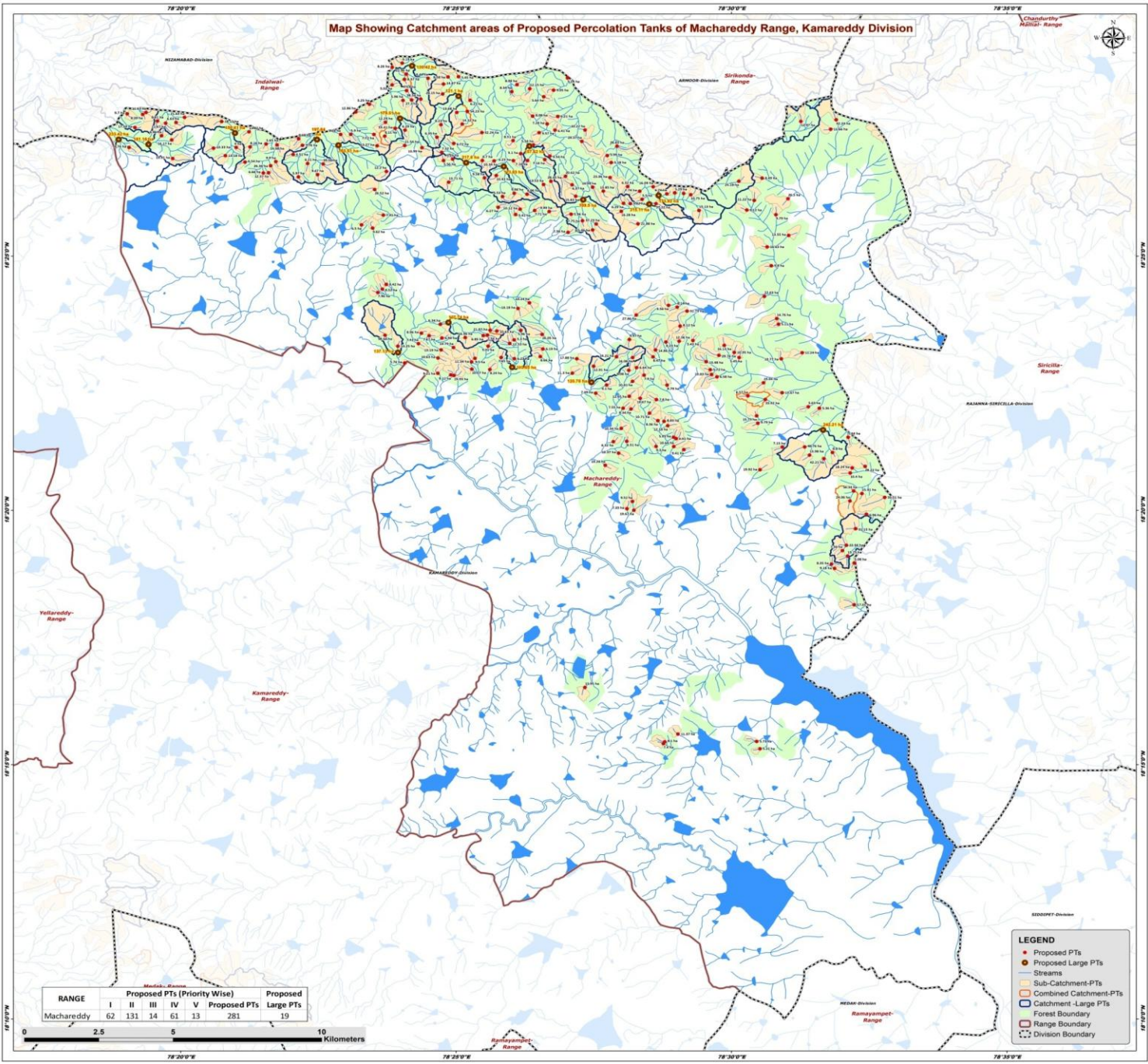


Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
10	18.435153	78.455149	189.50
11	18.436551	78.477958	173.92
12	18.433695	78.475121	315.11
13	18.375305	78.457618	120.78
14	18.359681	78.52721	242.21
15	18.456998	78.349762	150.41
16	18.453258	78.323594	181.16
17	18.454893	78.314558	233.42
18	18.394883	78.414377	127.74
19	18.385069	78.399094	137.13
20	18.453001	78.381059	163.51
21	18.454847	78.374585	197.84
22	18.479030	78.403375	130.42
23	18.461787	78.399692	179.51
24	18.469049	78.417419	121.10
25	18.380235	78.433663	113.65
26	18.452735	78.438867	157.62
27	18.447299	78.419693	217.80
28	18.446058	78.431102	113.83

- LEGEND**
- Proposed PTs
  - Proposed Large PTs
  - Existing CDPTs
  - 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

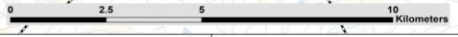


Map Showing Catchment areas of Proposed Percolation Tanks of Machareddy Range, Kamareddy Division



RANGE	Proposed P.Ts (Priority Wise)					Proposed Large P.Ts
	I	II	III	IV	V	
Machareddy	62	131	14	61	13	281

- LEGEND**
- Proposed P.Ts
  - Proposed Large P.Ts
  - Streams
  - Sub-Catchment P.Ts
  - Combined Catchment P.Ts
  - Catchment - Large P.Ts
  - Forest Boundary
  - Range Boundary
  - Division Boundary



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

S. No.	Beat	Proposed PT's
1	AKKAPUR	13
2	AMBERPET	6
3	ANNARAM	23
4	BANJEPALLY	5
5	CHUKKAPUR	23
6	ESAIPET	9
7	ESANNAPALLY	30
8	GHANPUR BEROON	19
9	GHANPUR_M	13
10	GIDDA	20
11	KHANNAPUR BEROON	18
12	LACHAPET	9
13	MACHAREDDY	7
14	MADDIKUNTA	10
15	POSANIPET	19
16	RATNAGIRIPALLY	4
17	REDDYPET	22
18	REDDYPET THANDA	9
19	SOMARAMPET	7
20	YELLAMPET	15
	<b>Total</b>	<b>281</b>

## List of Proposed PTs – Machareddy 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
169	18.394358	78.514214	5.11	I	AKKAPUR	209	18.441217	78.502207	25.18	V	BANJEPALLY	249	18.354237	78.482538	10.64	II	CHUKKAPUR
170	18.396174	78.513705	14.76	I	AKKAPUR	210	18.434936	78.506868	11.22	I	SOMARAMPET	250	18.362720	78.477710	8.36	II	CHUKKAPUR
171	18.387410	78.497835	16.13	I	AKKAPUR	211	18.419672	78.510811	16.63	II	SOMARAMPET	251	18.365186	78.475200	10.71	II	CHUKKAPUR
172	18.385072	78.500828	10.95	II	AKKAPUR	212	18.430216	78.513436	9.79	II	SOMARAMPET	252	18.362501	78.479596	8.83	II	CHUKKAPUR
173	18.383397	78.502308	5.45	II	AKKAPUR	213	18.423423	78.517299	13.55	II	SOMARAMPET	253	18.385906	78.477012	14.86	II	CHUKKAPUR
174	18.389012	78.488349	5.43	II	AKKAPUR	214	18.403469	78.509967	22.63	II	SOMARAMPET	254	18.361071	78.480712	12.18	II	CHUKKAPUR
175	18.388484	78.480160	8.23	II	AKKAPUR	215	18.435469	78.517124	26.50	III	SOMARAMPET	255	18.366807	78.467220	7.55	II	CHUKKAPUR
176	18.388791	78.484161	12.36	II	AKKAPUR	216	18.413508	78.512059	9.80	IV	SOMARAMPET	256	18.357294	78.482494	5.95	II	CHUKKAPUR
177	18.377107	78.495605	6.58	II	AKKAPUR	217	18.427264	78.471710	21.88	I	YELLAMPET	257	18.356836	78.483246	6.61	II	CHUKKAPUR
178	18.379431	78.493580	5.72	II	AKKAPUR	218	18.437367	78.482882	5.29	II	YELLAMPET	258	18.375601	78.470068	10.81	II	CHUKKAPUR
179	18.377873	78.493963	19.83	IV	AKKAPUR	219	18.433864	78.469370	5.82	II	YELLAMPET	259	18.370030	78.472401	10.67	II	CHUKKAPUR
180	18.382038	78.492355	13.48	IV	AKKAPUR	220	18.433963	78.467338	6.29	II	YELLAMPET	260	18.369629	78.477288	7.80	II	CHUKKAPUR
181	18.384136	78.496193	29.76	V	AKKAPUR	221	18.437064	78.480440	6.74	II	YELLAMPET	261	18.371714	78.458925	7.49	I	ESAIPET
182	18.389329	78.469130	9.97	I	ANNARAM	222	18.439460	78.468587	6.32	IV	YELLAMPET	262	18.383032	78.453193	17.88	II	ESAIPET
183	18.393714	78.484461	8.12	I	ANNARAM	223	18.435275	78.472971	5.50	IV	YELLAMPET	263	18.355971	78.468317	6.51	II	ESAIPET
184	18.379220	78.468927	8.08	I	ANNARAM	224	18.436774	78.487658	10.75	IV	YELLAMPET	264	18.360192	78.466649	10.34	II	ESAIPET
185	18.380104	78.471287	6.64	II	ANNARAM	225	18.431346	78.466658	16.28	IV	YELLAMPET	265	18.374398	78.462230	9.10	II	ESAIPET
186	18.425259	78.457998	15.46	II	ANNARAM	226	18.431741	78.504658	9.12	IV	YELLAMPET	266	18.355850	78.464269	6.32	II	ESAIPET
187	18.430383	78.451468	5.96	II	ANNARAM	227	18.439406	78.476302	16.09	IV	YELLAMPET	267	18.380573	78.458266	12.91	II	ESAIPET
188	18.383663	78.465188	14.21	II	ANNARAM	228	18.437928	78.472231	7.74	IV	YELLAMPET	268	18.378288	78.451847	11.30	II	ESAIPET
189	18.447331	78.463618	5.18	II	ANNARAM	229	18.431639	78.490185	15.13	IV	YELLAMPET	269	18.352090	78.465843	10.37	II	ESAIPET
190	18.399939	78.483588	8.14	II	ANNARAM	230	18.437202	78.485509	7.07	IV	YELLAMPET	270	18.346642	78.508624	19.92	I	GHANPUR_M
191	18.424445	78.450534	7.38	II	ANNARAM	231	18.433852	78.477139	37.22	V	YELLAMPET	271	18.347221	78.536525	18.24	II	GHANPUR_M
192	18.449601	78.462416	5.99	II	ANNARAM	232	18.260008	78.483823	11.37	I	AMBERPET	272	18.336407	78.535851	24.06	II	GHANPUR_M
193	18.400540	78.480959	9.56	II	ANNARAM	233	18.255207	78.508617	5.21	I	AMBERPET	273	18.357292	78.535291	5.64	II	GHANPUR_M
194	18.383403	78.470083	16.08	II	ANNARAM	234	18.257591	78.507626	5.73	I	AMBERPET	274	18.337583	78.546373	35.51	III	GHANPUR_M
195	18.398643	78.486560	31.73	III	ANNARAM	235	18.275285	78.455669	13.95	I	AMBERPET	275	18.347734	78.540424	28.22	III	GHANPUR_M
196	18.427186	78.459050	37.23	III	ANNARAM	236	18.256864	78.479398	7.40	I	AMBERPET	276	18.352299	78.530573	8.80	IV	GHANPUR_M
197	18.397356	78.471174	27.86	III	ANNARAM	237	18.257482	78.479784	8.10	I	AMBERPET	277	18.338835	78.539460	15.91	IV	GHANPUR_M
198	18.437954	78.461229	13.85	IV	ANNARAM	238	18.333365	78.470479	19.67	I	CHUKKAPUR	278	18.345562	78.535929	10.40	IV	GHANPUR_M
199	18.428252	78.454895	7.75	IV	ANNARAM	239	18.336265	78.470044	9.51	I	CHUKKAPUR	279	18.351437	78.523608	13.98	IV	GHANPUR_M
200	18.436272	78.452882	15.83	IV	ANNARAM	240	18.353258	78.485589	9.41	I	CHUKKAPUR	280	18.354113	78.522145	48.76	V	GHANPUR_M
201	18.439261	78.457982	16.09	IV	ANNARAM	241	18.348099	78.461808	10.26	I	CHUKKAPUR	281	18.350278	78.527996	42.21	V	GHANPUR_M
202	18.440049	78.451760	6.37	IV	ANNARAM	242	18.333862	78.468378	7.33	I	CHUKKAPUR	282	18.339702	78.536966	56.34	V	GHANPUR_M
203	18.442410	78.463250	23.06	IV	ANNARAM	243	18.377642	78.473561	7.90	II	CHUKKAPUR	283	18.314303	78.531185	9.18	I	LACHAPET
204	18.452675	78.465348	28.83	V	ANNARAM	244	18.383639	78.476282	8.47	II	CHUKKAPUR	284	18.318374	78.535120	13.75	I	LACHAPET
205	18.460807	78.520988	12.97	I	BANJEPALLY	245	18.370709	78.469088	12.65	II	CHUKKAPUR	285	18.315722	78.530235	8.35	I	LACHAPET
206	18.442217	78.509274	8.49	I	BANJEPALLY	246	18.366555	78.469594	8.34	II	CHUKKAPUR	286	18.302373	78.537155	17.01	I	LACHAPET
207	18.458249	78.530026	11.66	I	BANJEPALLY	247	18.374391	78.480518	9.79	II	CHUKKAPUR	287	18.321889	78.534780	22.94	II	LACHAPET
208	18.461322	78.531675	42.24	II	BANJEPALLY	248	18.354289	78.477177	9.30	II	CHUKKAPUR	288	18.320140	78.533570	7.56	II	LACHAPET

## List of Proposed PTs – Machareddy 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
289	18.316057	78.537158	5.08	II	LACHAPET	329	18.386705	78.415886	19.79	I	KHANNAPUR BEROON	369	18.472783	78.397304	5.02	II	ESANNAPALLY
290	18.327322	78.537572	31.15	III	LACHAPET	330	18.390554	78.408506	7.67	I	KHANNAPUR BEROON	370	18.467735	78.420921	6.21	II	ESANNAPALLY
291	18.332064	78.540836	6.96	IV	LACHAPET	331	18.405817	78.394351	8.52	I	KHANNAPUR BEROON	371	18.455644	78.410866	6.35	II	ESANNAPALLY
292	18.371871	78.515338	13.67	II	MACHAREDDY	332	18.389801	78.412400	6.94	I	KHANNAPUR BEROON	372	18.455980	78.395091	8.11	II	ESANNAPALLY
293	18.354095	78.515390	7.15	II	MACHAREDDY	333	18.387974	78.405285	7.41	I	KHANNAPUR BEROON	373	18.425824	78.391435	9.62	II	ESANNAPALLY
294	18.370834	78.504974	6.57	II	MACHAREDDY	334	18.385939	78.412120	13.19	I	KHANNAPUR BEROON	374	18.457949	78.401224	6.29	II	ESANNAPALLY
295	18.361902	78.507989	9.79	II	MACHAREDDY	335	18.377729	78.415089	9.11	I	KHANNAPUR BEROON	375	18.456529	78.391813	7.72	II	ESANNAPALLY
296	18.375151	78.509711	19.04	II	MACHAREDDY	336	18.378267	78.411165	9.21	I	KHANNAPUR BEROON	376	18.467699	78.400601	5.96	II	ESANNAPALLY
297	18.364323	78.507616	15.75	IV	MACHAREDDY	337	18.394303	78.411899	6.34	I	KHANNAPUR BEROON	377	18.430092	78.394667	7.91	II	ESANNAPALLY
298	18.369674	78.510242	33.92	V	MACHAREDDY	338	18.391413	78.406172	8.96	II	KHANNAPUR BEROON	378	18.475462	78.417405	5.45	II	ESANNAPALLY
299	18.382973	78.515071	10.77	I	RATNAGIRIPALLY	339	18.389970	78.419455	16.96	II	KHANNAPUR BEROON	379	18.452922	78.401136	21.54	II	ESANNAPALLY
300	18.367293	78.523244	5.63	II	RATNAGIRIPALLY	340	18.390707	78.395162	98.66	III	KHANNAPUR BEROON	380	18.438470	78.392027	26.52	III	ESANNAPALLY
301	18.384998	78.521397	11.24	II	RATNAGIRIPALLY	341	18.453113	78.362499	14.08	II	POSANIPET	381	18.469804	78.412619	28.15	III	ESANNAPALLY
302	18.366804	78.526601	5.36	IV	RATNAGIRIPALLY	342	18.463893	78.386300	12.86	II	POSANIPET	382	18.467836	78.403191	27.10	III	ESANNAPALLY
303	18.449571	78.346848	13.18	I	GIDDA	343	18.452981	78.370197	7.76	II	POSANIPET	383	18.459751	78.412095	8.23	IV	ESANNAPALLY
304	18.452056	78.343268	10.33	II	GIDDA	344	18.447033	78.371750	6.21	II	POSANIPET	384	18.452207	78.406360	13.99	IV	ESANNAPALLY
305	18.447464	78.352816	6.54	II	GIDDA	345	18.444411	78.395602	12.20	II	POSANIPET	385	18.470908	78.401690	7.19	IV	ESANNAPALLY
306	18.456106	78.327537	6.96	II	GIDDA	346	18.455105	78.369025	8.68	II	POSANIPET	386	18.476304	78.401580	22.96	IV	ESANNAPALLY
307	18.453389	78.359186	5.65	II	GIDDA	347	18.456536	78.381742	9.28	II	POSANIPET	387	18.468128	78.405993	38.54	V	ESANNAPALLY
308	18.457406	78.353999	11.82	II	GIDDA	348	18.456585	78.384769	5.90	II	POSANIPET	388	18.458541	78.398244	33.41	V	ESANNAPALLY
309	18.448655	78.330897	19.91	IV	GIDDA	349	18.449968	78.367372	6.51	II	POSANIPET	389	18.464087	78.420076	54.23	V	ESANNAPALLY
310	18.454730	78.330600	16.17	IV	GIDDA	350	18.466459	78.390452	5.25	II	POSANIPET	390	18.401357	78.438856	10.24	I	GHANPUR BEROON
311	18.463763	78.322836	11.63	IV	GIDDA	351	18.446292	78.360536	26.36	III	POSANIPET	391	18.392125	78.428998	10.63	I	GHANPUR BEROON
312	18.463301	78.317148	9.70	IV	GIDDA	352	18.446875	78.376441	39.56	III	POSANIPET	392	18.387130	78.426375	5.21	I	GHANPUR BEROON
313	18.452475	78.354338	8.16	IV	GIDDA	353	18.460519	78.395302	12.29	IV	POSANIPET	393	18.392350	78.436275	5.96	I	GHANPUR BEROON
314	18.452285	78.350134	6.00	IV	GIDDA	354	18.443366	78.374767	9.47	IV	POSANIPET	394	18.383142	78.422389	9.50	I	GHANPUR BEROON
315	18.460454	78.331942	6.63	IV	GIDDA	355	18.443979	78.359917	12.37	IV	POSANIPET	395	18.381997	78.421368	11.34	I	GHANPUR BEROON
316	18.460956	78.326298	8.81	IV	GIDDA	356	18.452832	78.392783	13.27	IV	POSANIPET	396	18.383431	78.430327	7.65	I	GHANPUR BEROON
317	18.452266	78.317699	8.76	IV	GIDDA	357	18.447645	78.362146	9.90	IV	POSANIPET	397	18.388038	78.432902	12.53	I	GHANPUR BEROON
318	18.458816	78.319484	17.59	IV	GIDDA	358	18.442612	78.368967	5.97	IV	POSANIPET	398	18.389194	78.434233	5.30	I	GHANPUR BEROON
319	18.462127	78.334498	21.63	IV	GIDDA	359	18.443927	78.358336	6.66	IV	POSANIPET	399	18.399509	78.435409	14.18	I	GHANPUR BEROON
320	18.463105	78.321839	8.39	IV	GIDDA	360	18.473055	78.412875	14.67	I	ESANNAPALLY	400	18.379504	78.426895	8.24	I	GHANPUR BEROON
321	18.460792	78.345723	18.12	IV	GIDDA	361	18.474949	78.408172	6.44	I	ESANNAPALLY	401	18.390614	78.424914	6.85	II	GHANPUR BEROON
322	18.460243	78.328772	11.67	IV	GIDDA	362	18.426897	78.388046	6.50	I	ESANNAPALLY	402	18.383723	78.442172	8.66	II	GHANPUR BEROON
323	18.383269	78.411195	10.63	I	KHANNAPUR BEROON	363	18.475386	78.414222	8.58	I	ESANNAPALLY	403	18.383043	78.434310	6.23	II	GHANPUR BEROON
324	18.387143	78.399046	13.25	I	KHANNAPUR BEROON	364	18.463766	78.416878	13.68	II	ESANNAPALLY	404	18.390790	78.426140	7.34	II	GHANPUR BEROON
325	18.377549	78.416039	19.93	I	KHANNAPUR BEROON	365	18.459938	78.418525	14.32	II	ESANNAPALLY	405	18.391006	78.442722	26.05	II	GHANPUR BEROON
326	18.381629	78.401141	5.76	I	KHANNAPUR BEROON	366	18.479900	78.400393	9.19	II	ESANNAPALLY	406	18.379614	78.421441	10.07	II	GHANPUR BEROON
327	18.407384	78.395557	8.42	I	KHANNAPUR BEROON	367	18.474611	78.401028	8.37	II	ESANNAPALLY	407	18.386236	78.442951	6.19	II	GHANPUR BEROON
328	18.404735	78.393004	7.96	I	KHANNAPUR BEROON	368	18.478530	78.397337	8.26	II	ESANNAPALLY	408	18.392354	78.426986	21.87	IV	GHANPUR BEROON

## List of Proposed PTs – Machareddy 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
289	18.316057	78.537158	5.08	II	LACHAPET	329	18.386705	78.415886	19.79	I	KHANNAPUR BEROON	369	18.472783	78.397304	5.02	II	ESANNAPALLY
290	18.327322	78.537572	31.15	III	LACHAPET	330	18.390554	78.408506	7.67	I	KHANNAPUR BEROON	370	18.467735	78.420921	6.21	II	ESANNAPALLY
291	18.332064	78.540836	6.96	IV	LACHAPET	331	18.405817	78.394351	8.52	I	KHANNAPUR BEROON	371	18.455644	78.410866	6.35	II	ESANNAPALLY
292	18.371871	78.515338	13.67	II	MACHAREDDY	332	18.389801	78.412400	6.94	I	KHANNAPUR BEROON	372	18.455980	78.395091	8.11	II	ESANNAPALLY
293	18.354095	78.515390	7.15	II	MACHAREDDY	333	18.387974	78.405285	7.41	I	KHANNAPUR BEROON	373	18.425824	78.391435	9.62	II	ESANNAPALLY
294	18.370834	78.504974	6.57	II	MACHAREDDY	334	18.385939	78.412120	13.19	I	KHANNAPUR BEROON	374	18.457949	78.401224	6.29	II	ESANNAPALLY
295	18.361902	78.507989	9.79	II	MACHAREDDY	335	18.377729	78.415089	9.11	I	KHANNAPUR BEROON	375	18.456529	78.391813	7.72	II	ESANNAPALLY
296	18.375151	78.509711	19.04	II	MACHAREDDY	336	18.378267	78.411165	9.21	I	KHANNAPUR BEROON	376	18.467699	78.400601	5.96	II	ESANNAPALLY
297	18.364323	78.507616	15.75	IV	MACHAREDDY	337	18.394303	78.411899	6.34	I	KHANNAPUR BEROON	377	18.430092	78.394667	7.91	II	ESANNAPALLY
298	18.369674	78.510242	33.92	V	MACHAREDDY	338	18.391413	78.406172	8.96	II	KHANNAPUR BEROON	378	18.475462	78.417405	5.45	II	ESANNAPALLY
299	18.382973	78.515071	10.77	I	RATNAGIRIPALLY	339	18.389970	78.419455	16.96	II	KHANNAPUR BEROON	379	18.452922	78.401136	21.54	II	ESANNAPALLY
300	18.367293	78.523244	5.63	II	RATNAGIRIPALLY	340	18.390707	78.395162	98.66	III	KHANNAPUR BEROON	380	18.438470	78.392027	26.52	III	ESANNAPALLY
301	18.384998	78.521397	11.24	II	RATNAGIRIPALLY	341	18.453113	78.362499	14.08	II	POSANIPET	381	18.469804	78.412619	28.15	III	ESANNAPALLY
302	18.366804	78.526601	5.36	IV	RATNAGIRIPALLY	342	18.463893	78.386300	12.86	II	POSANIPET	382	18.467836	78.403191	27.10	III	ESANNAPALLY
303	18.449571	78.346848	13.18	I	GIDDA	343	18.452981	78.370197	7.76	II	POSANIPET	383	18.459751	78.412095	8.23	IV	ESANNAPALLY
304	18.452056	78.343268	10.33	II	GIDDA	344	18.447033	78.371750	6.21	II	POSANIPET	384	18.452207	78.406360	13.99	IV	ESANNAPALLY
305	18.447464	78.352816	6.54	II	GIDDA	345	18.444411	78.395602	12.20	II	POSANIPET	385	18.470908	78.401690	7.19	IV	ESANNAPALLY
306	18.456106	78.327537	6.96	II	GIDDA	346	18.455105	78.369025	8.68	II	POSANIPET	386	18.476304	78.401580	22.96	IV	ESANNAPALLY
307	18.453389	78.359186	5.65	II	GIDDA	347	18.456536	78.381742	9.28	II	POSANIPET	387	18.468128	78.405993	38.54	V	ESANNAPALLY
308	18.457406	78.353999	11.82	II	GIDDA	348	18.456585	78.384769	5.90	II	POSANIPET	388	18.458541	78.398244	33.41	V	ESANNAPALLY
309	18.448655	78.330897	19.91	IV	GIDDA	349	18.449968	78.367372	6.51	II	POSANIPET	389	18.464087	78.420076	54.23	V	ESANNAPALLY
310	18.454730	78.330600	16.17	IV	GIDDA	350	18.466459	78.390452	5.25	II	POSANIPET	390	18.401357	78.438856	10.24	I	GHANPUR BEROON
311	18.463763	78.322836	11.63	IV	GIDDA	351	18.446292	78.360536	26.36	III	POSANIPET	391	18.392125	78.428998	10.63	I	GHANPUR BEROON
312	18.463301	78.317148	9.70	IV	GIDDA	352	18.446875	78.376441	39.56	III	POSANIPET	392	18.387130	78.426375	5.21	I	GHANPUR BEROON
313	18.452475	78.354338	8.16	IV	GIDDA	353	18.460519	78.395302	12.29	IV	POSANIPET	393	18.392350	78.436275	5.96	I	GHANPUR BEROON
314	18.452285	78.350134	6.00	IV	GIDDA	354	18.443366	78.374767	9.47	IV	POSANIPET	394	18.383142	78.422389	9.50	I	GHANPUR BEROON
315	18.460454	78.331942	6.63	IV	GIDDA	355	18.443979	78.359917	12.37	IV	POSANIPET	395	18.381997	78.421368	11.34	I	GHANPUR BEROON
316	18.460956	78.326298	8.81	IV	GIDDA	356	18.452832	78.392783	13.27	IV	POSANIPET	396	18.383431	78.430327	7.65	I	GHANPUR BEROON
317	18.452266	78.317699	8.76	IV	GIDDA	357	18.447645	78.362146	9.90	IV	POSANIPET	397	18.388038	78.432902	12.53	I	GHANPUR BEROON
318	18.458816	78.319484	17.59	IV	GIDDA	358	18.442612	78.368967	5.97	IV	POSANIPET	398	18.389194	78.434233	5.30	I	GHANPUR BEROON
319	18.462127	78.334498	21.63	IV	GIDDA	359	18.443927	78.358336	6.66	IV	POSANIPET	399	18.399509	78.435409	14.18	I	GHANPUR BEROON
320	18.463105	78.321839	8.39	IV	GIDDA	360	18.473055	78.412875	14.67	I	ESANNAPALLY	400	18.379504	78.426895	8.24	I	GHANPUR BEROON
321	18.460792	78.345723	18.12	IV	GIDDA	361	18.474949	78.408172	6.44	I	ESANNAPALLY	401	18.390614	78.424914	6.85	II	GHANPUR BEROON
322	18.460243	78.328772	11.67	IV	GIDDA	362	18.426897	78.388046	6.50	I	ESANNAPALLY	402	18.383723	78.442172	8.66	II	GHANPUR BEROON
323	18.383269	78.411195	10.63	I	KHANNAPUR BEROON	363	18.475386	78.414222	8.58	I	ESANNAPALLY	403	18.383043	78.434310	6.23	II	GHANPUR BEROON
324	18.387143	78.399046	13.25	I	KHANNAPUR BEROON	364	18.463766	78.416878	13.68	II	ESANNAPALLY	404	18.390790	78.426140	7.34	II	GHANPUR BEROON
325	18.377549	78.416039	19.93	I	KHANNAPUR BEROON	365	18.459938	78.418525	14.32	II	ESANNAPALLY	405	18.391006	78.442722	26.05	II	GHANPUR BEROON
326	18.381629	78.401141	5.76	I	KHANNAPUR BEROON	366	18.479900	78.400393	9.19	II	ESANNAPALLY	406	18.379614	78.421441	10.07	II	GHANPUR BEROON
327	18.407384	78.395557	8.42	I	KHANNAPUR BEROON	367	18.474611	78.401028	8.37	II	ESANNAPALLY	407	18.386236	78.442951	6.19	II	GHANPUR BEROON
328	18.404735	78.393004	7.96	I	KHANNAPUR BEROON	368	18.478530	78.397337	8.26	II	ESANNAPALLY	408	18.392354	78.426986	21.87	IV	GHANPUR BEROON

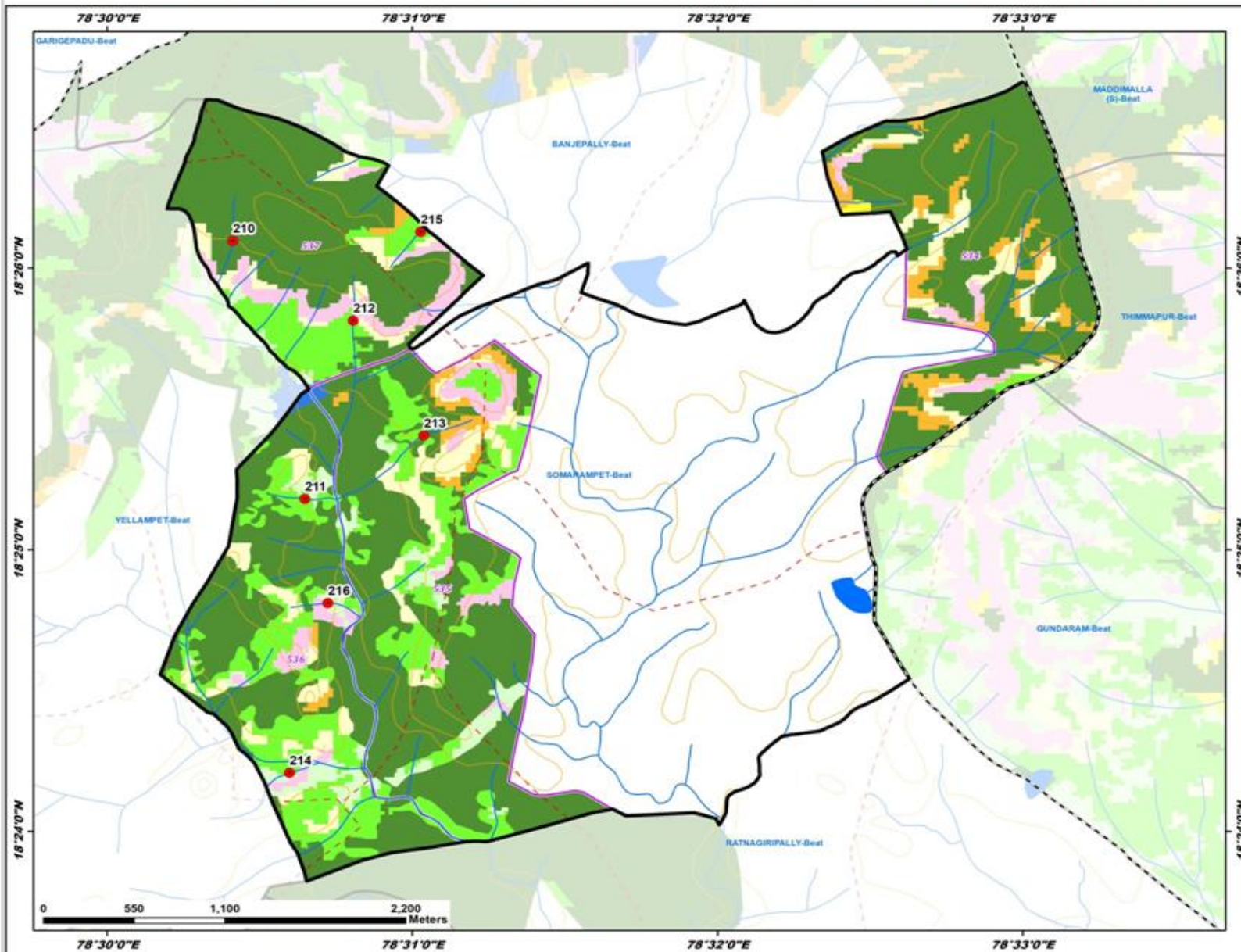
## List of Proposed PTs – Machareddy Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
409	18.440884	78.414417	13.71	I	MADDIKUNTA
410	18.450674	78.412333	7.32	II	MADDIKUNTA
411	18.447960	78.412863	5.56	II	MADDIKUNTA
412	18.470587	78.433522	8.34	II	MADDIKUNTA
413	18.432669	78.429424	6.27	II	MADDIKUNTA
414	18.471539	78.438972	12.15	II	MADDIKUNTA
415	18.472861	78.435118	8.08	II	MADDIKUNTA
416	18.448444	78.415636	5.03	IV	MADDIKUNTA
417	18.453598	78.415968	6.72	IV	MADDIKUNTA
418	18.457145	78.424478	32.24	V	MADDIKUNTA
419	18.430283	78.434692	5.41	I	REDDYPET
420	18.440126	78.443124	13.53	II	REDDYPET
421	18.447991	78.424632	8.70	II	REDDYPET
422	18.436179	78.430733	5.53	II	REDDYPET
423	18.437259	78.434279	9.86	II	REDDYPET
424	18.442311	78.425279	9.58	II	REDDYPET
425	18.454519	78.433915	8.51	II	REDDYPET
426	18.431607	78.440436	7.71	II	REDDYPET
427	18.450247	78.436239	5.10	II	REDDYPET
428	18.453108	78.440049	5.54	II	REDDYPET
429	18.447965	78.434016	6.23	II	REDDYPET
430	18.436955	78.438156	8.86	II	REDDYPET
431	18.432058	78.436053	10.12	II	REDDYPET
432	18.431259	78.444848	9.99	II	REDDYPET
433	18.443085	78.428825	10.43	II	REDDYPET
434	18.441199	78.445372	28.45	III	REDDYPET
435	18.448317	78.443491	7.16	IV	REDDYPET
436	18.457114	78.441818	9.57	IV	REDDYPET
437	18.447868	78.428175	10.34	IV	REDDYPET
438	18.449460	78.445042	9.54	IV	REDDYPET
439	18.442809	78.449780	20.62	IV	REDDYPET
440	18.448009	78.438292	7.16	IV	REDDYPET
441	18.471039	78.446169	9.05	II	REDDYPET THANDA
442	18.459970	78.444230	7.28	II	REDDYPET THANDA
443	18.475061	78.450366	5.14	II	REDDYPET THANDA
444	18.457972	78.446588	6.41	II	REDDYPET THANDA
445	18.462518	78.439825	8.08	II	REDDYPET THANDA
446	18.468912	78.443207	5.64	II	REDDYPET THANDA
447	18.458003	78.455692	10.22	IV	REDDYPET THANDA
448	18.462440	78.447456	6.21	IV	REDDYPET THANDA
449	18.454272	78.454712	29.37	V	REDDYPET THANDA

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



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
210	18.434936	78.506888	11.22	I
211	18.419672	78.510811	16.63	II
212	18.430216	78.513436	9.79	II
213	18.423423	78.517299	13.55	II
214	18.403469	78.509967	22.63	III
215	18.435469	78.517124	26.50	III
216	18.413508	78.512099	9.80	IV

**LEGEND**

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

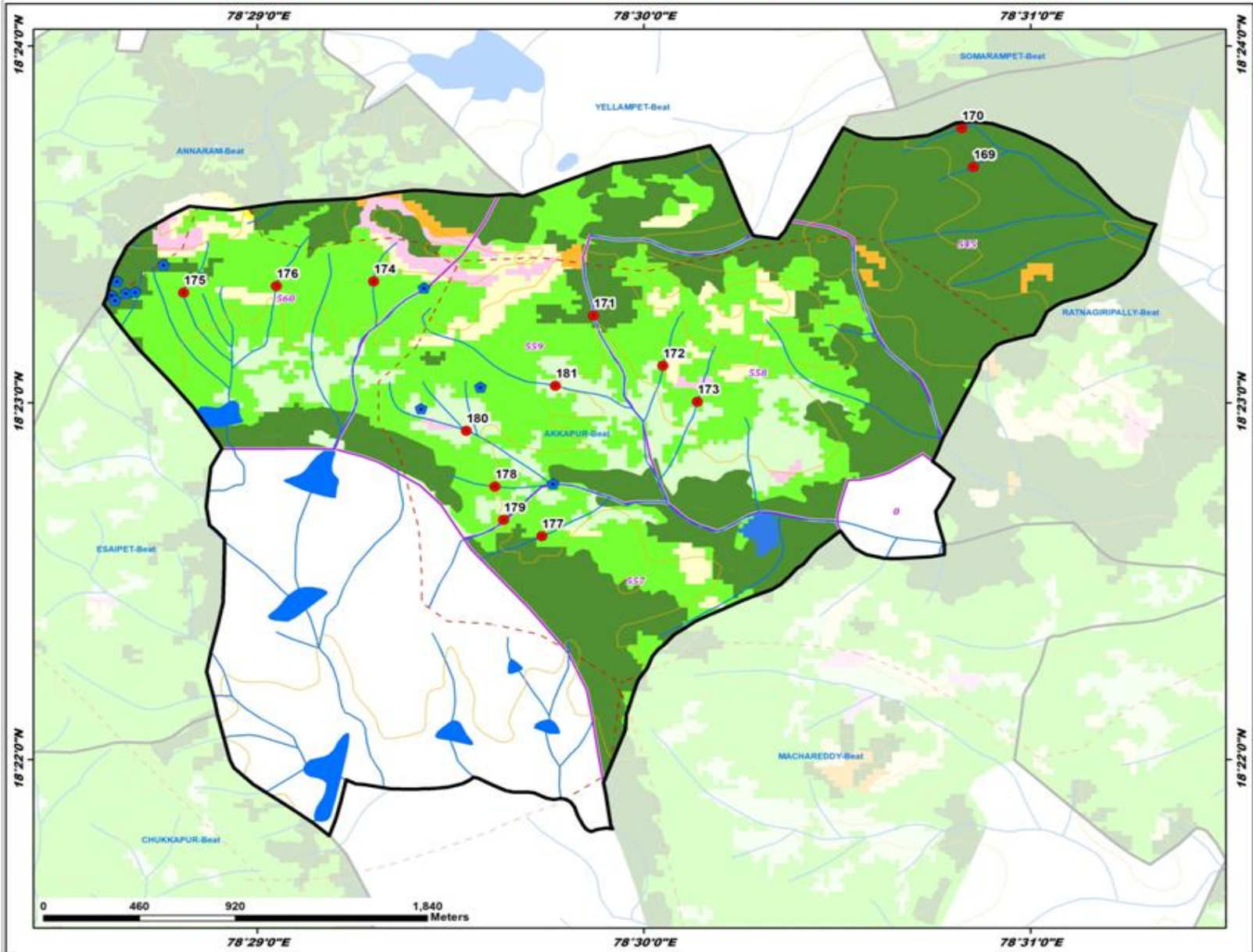
**Suitability Index**

- 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 Akkapur Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
169	18.394358	78.514214	5.11	I
170	18.396174	78.513705	14.76	I
171	18.387410	78.497895	16.13	I
172	18.385072	78.500828	10.95	II
173	18.383397	78.502308	5.45	II
174	18.389012	78.488349	5.43	II
175	18.388484	78.480160	8.23	II
176	18.388791	78.484161	12.96	II
177	18.377107	78.495605	6.58	II
178	18.379431	78.493580	5.72	II
179	18.377873	78.493963	19.83	IV
180	18.382038	78.492355	13.48	IV
181	18.384136	78.496193	29.76	V

**LEGEND**

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

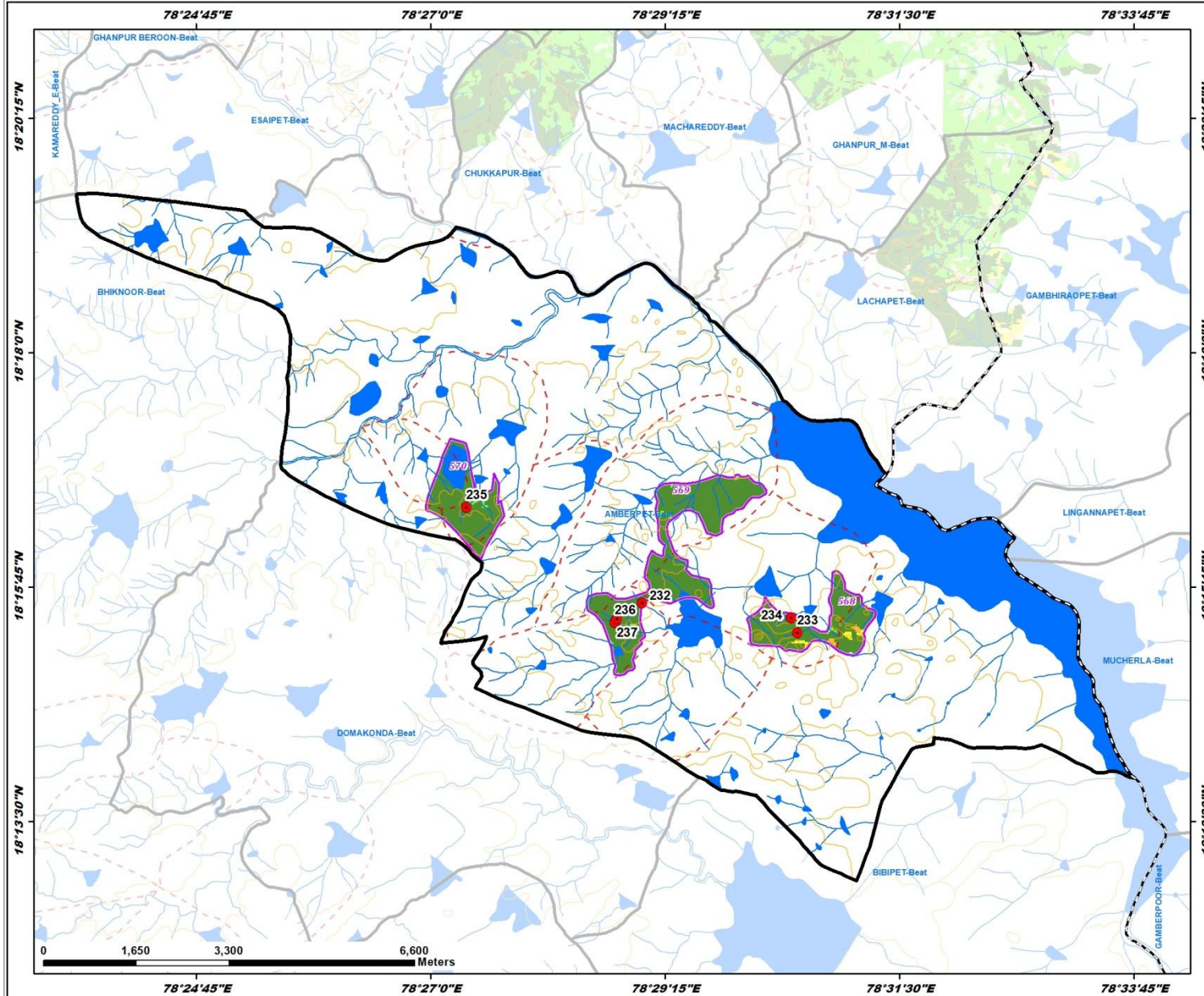
**Suitability Index**

- 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 Amberpet Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
232	18.260008	78.483823	11.37	I
233	18.255207	78.508617	5.21	I
234	18.257591	78.507626	5.73	I
235	18.275285	78.455669	13.95	I
236	18.256864	78.479398	7.40	I
237	18.257482	78.479784	8.10	I

### LEGEND

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

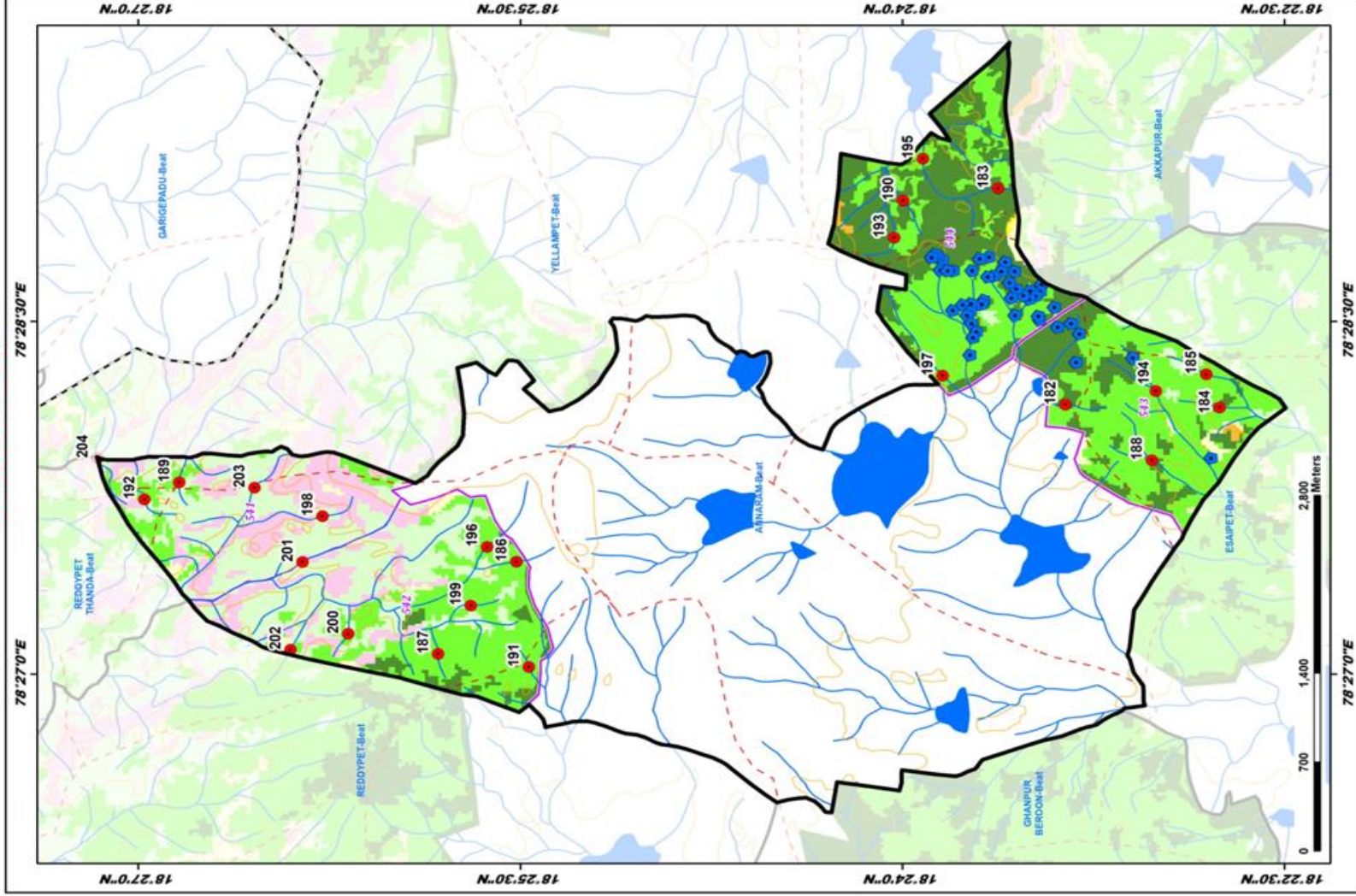
### Suitability Index

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

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



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
182	18.389329	78.469130	9.97	I
183	18.393714	78.464461	8.12	I
184	18.379220	78.468927	8.08	I
185	18.380204	78.471287	6.64	II
186	18.425259	78.457998	15.46	II
187	18.430083	78.451468	5.96	II
188	18.383663	78.465188	14.21	II
189	18.447311	78.468318	5.18	II
190	18.399939	78.483588	8.14	II
191	18.434445	78.450534	7.38	II
192	18.446001	78.462416	9.56	II
193	18.400540	78.480959	9.56	II
194	18.383403	78.470083	16.08	II
195	18.396443	78.466560	31.73	III
196	18.427186	78.459050	37.23	III
197	18.397556	78.471174	27.86	III
198	18.437554	78.461229	13.65	IV
199	18.428252	78.454895	7.75	IV
200	18.436272	78.452882	15.83	IV
201	18.439351	78.457982	16.09	IV
202	18.440049	78.451760	6.37	IV
203	18.442410	78.463250	23.06	IV
204	18.452675	78.465348	28.83	V

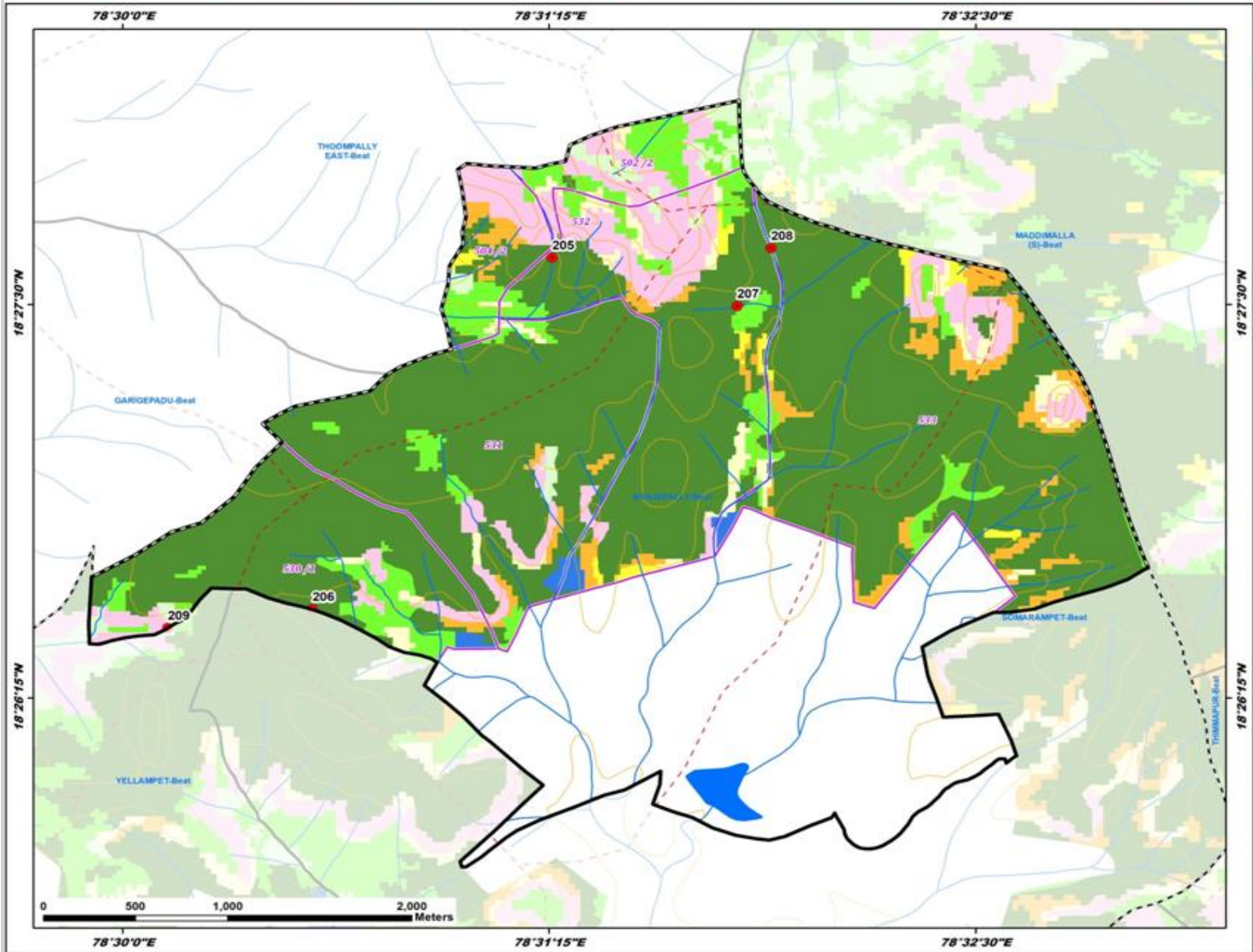
## LEGEND

- Proposed PTs (Red circle)
  - Existing CD/PTs (Blue circle)
  - Contours (Orange line)
  - Streams (Blue line)
  - Watershed Boundary (Dashed black line)
  - Compartment Boundary (Dashed orange line)
  - Beat Boundary (Thick black line)
  - Division Boundary (Dashed pink line)
- ### Suitability Index
- CC Ts/SCTs - Highly Suitable (Dark Green)
  - CC Ts/SCTs - Moderately Suitable (Light Green)
  - CC Ts/SCTs - Least Suitable (Yellow)
  - PTs - Highly Suitable (Dark Green)
  - PTs - Moderately Suitable (Light Green)
  - PTs - Least Suitable (Yellow)
  - MPTs and SGPs - Suitable (Pink)
  - Not Suitable (Light Blue)
  - Water Body (Dark Blue)

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



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
205	18.460807	78.520988	12.97	I
206	18.442217	78.509274	8.49	I
207	18.458249	78.530026	11.66	I
208	18.461322	78.533675	42.24	II
209	18.441217	78.502207	25.18	V

**LEGEND**

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

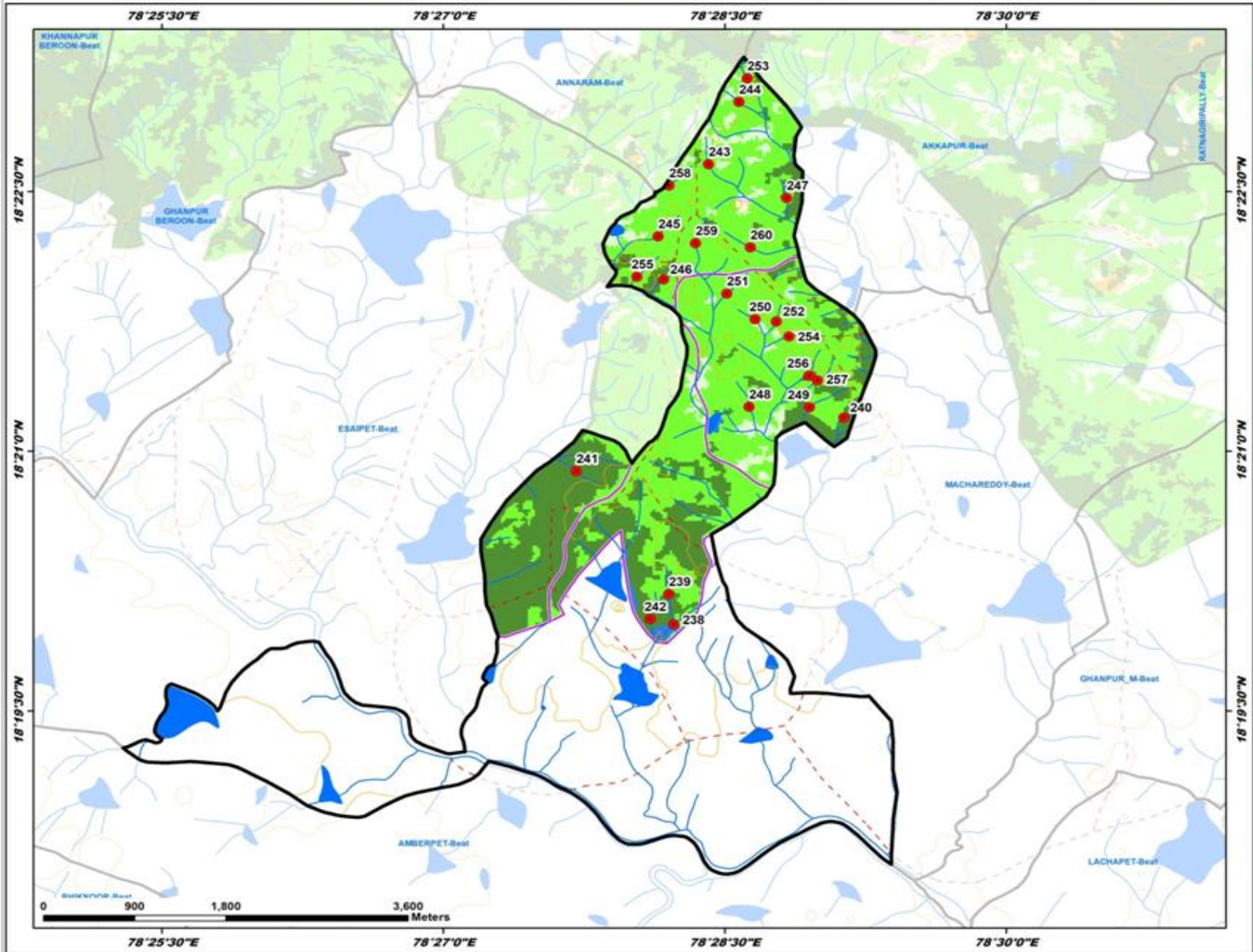
**Suitability Index**

- 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 Chukkapur Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
238	18.333365	78.470479	19.67	I
239	18.336265	78.470044	9.51	I
240	18.353258	78.485589	9.41	I
241	18.348099	78.461808	10.26	I
242	18.333862	78.468378	7.33	I
243	18.377642	78.473561	7.90	II
244	18.383639	78.476282	8.47	II
245	18.370709	78.469088	12.65	II
246	18.366555	78.469594	8.34	II
247	18.374391	78.480518	9.79	II
248	18.354289	78.477177	9.30	II
249	18.354217	78.482538	10.64	II
250	18.362720	78.477710	8.36	II
251	18.365186	78.475200	10.71	II
252	18.362501	78.479596	8.83	II
253	18.385906	78.477012	14.86	II
254	18.361071	78.480712	12.18	II
255	18.366807	78.467220	7.55	II
256	18.357294	78.482494	5.95	II
257	18.356836	78.483246	6.61	II
258	18.375601	78.470068	10.81	II
259	18.370030	78.472401	10.67	II
260	18.369629	78.477288	7.80	II

**LEGEND**

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

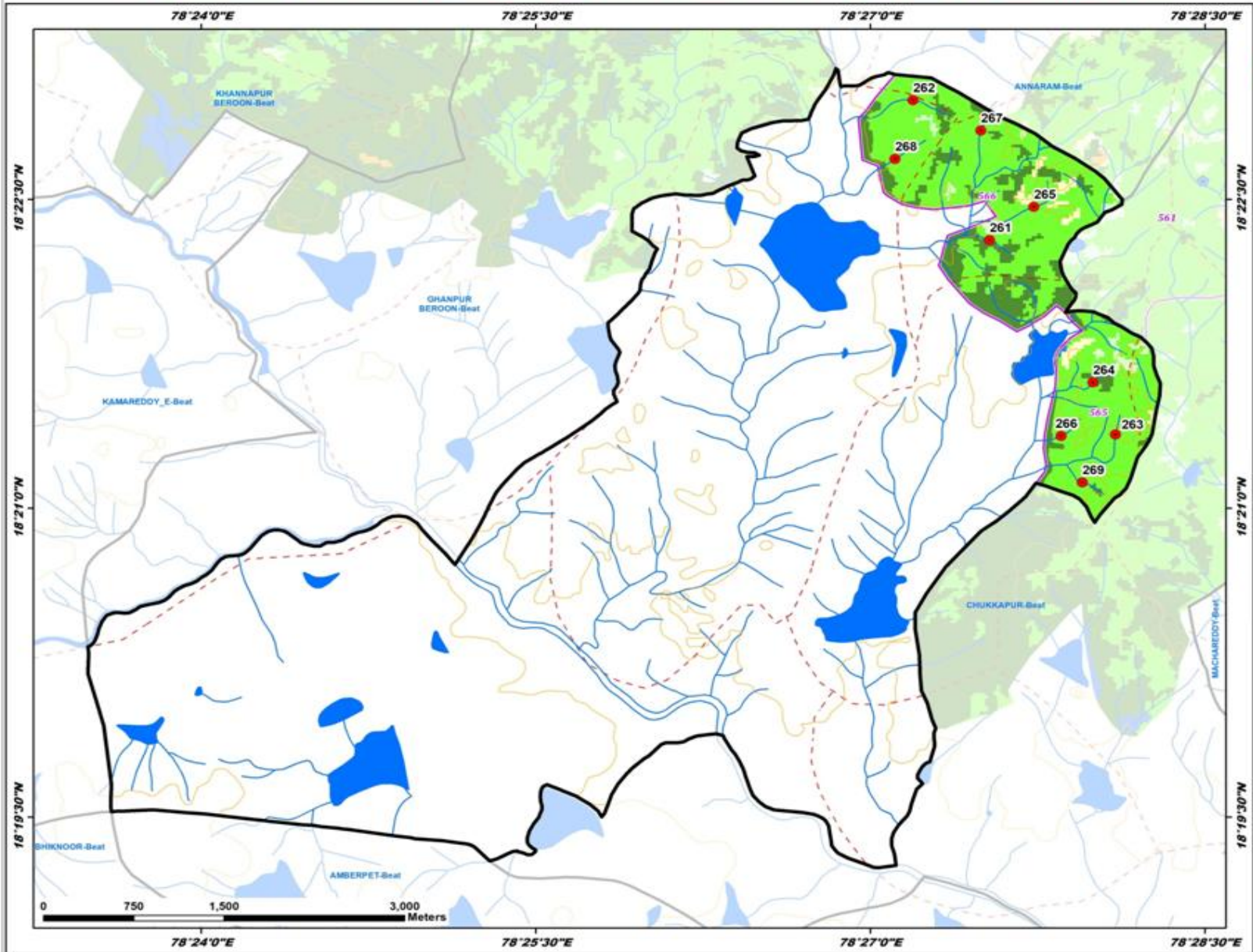
**Suitability Index**

- 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 Esaipet Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
261	18.371714	78.458925	7.49	I
262	18.383052	78.453193	17.88	II
263	18.355971	78.468317	6.51	II
264	18.360192	78.466649	10.34	II
265	18.374398	78.462230	9.10	II
266	18.355850	78.464269	6.32	II
267	18.380573	78.458266	12.91	II
268	18.378288	78.451847	11.30	II
269	18.352090	78.465843	10.37	II

**LEGEND**

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

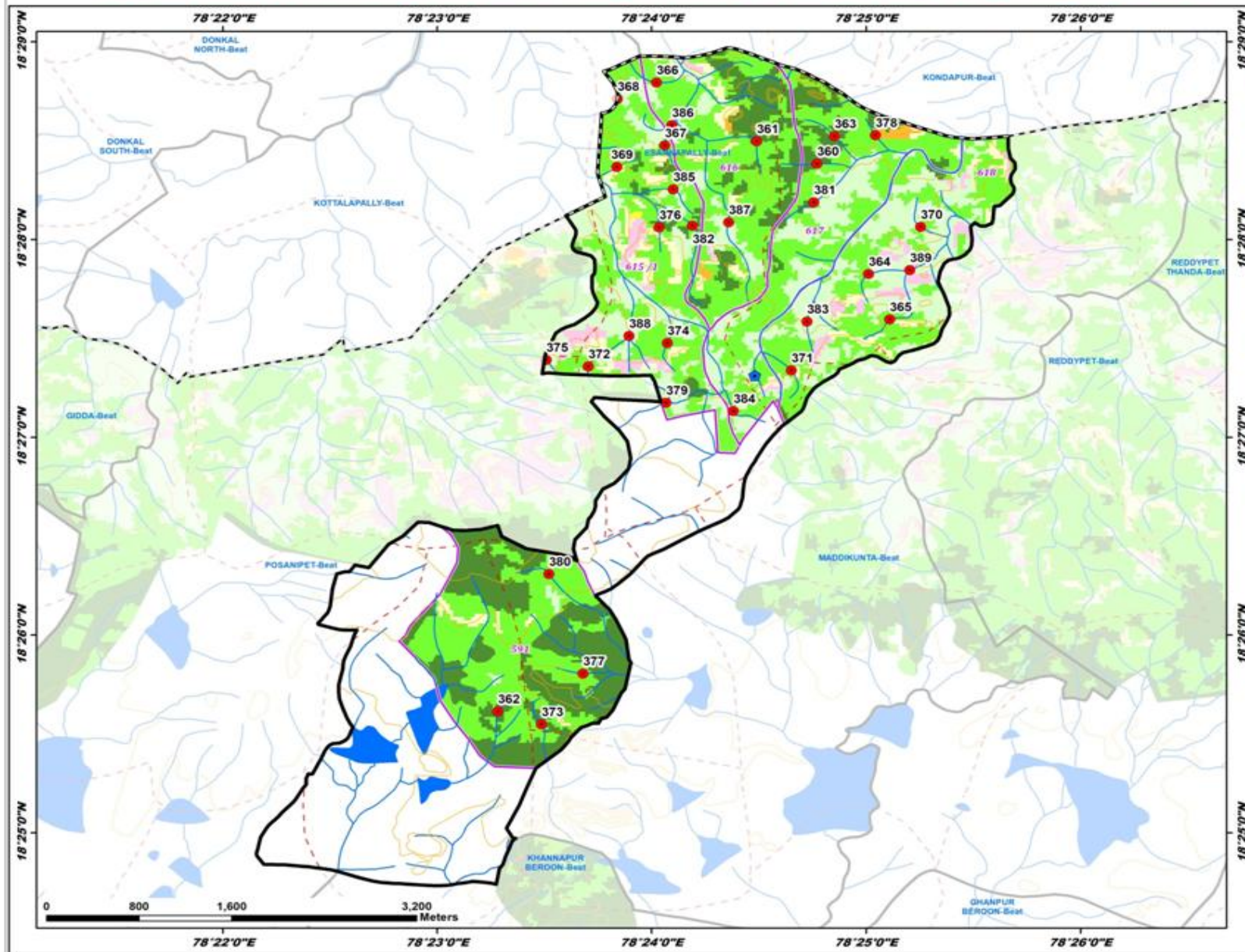
**Suitability Index**

- 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 Esannapally Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
360	18.473055	78.412875	14.67	I
361	18.474949	78.408172	6.44	I
362	18.426897	78.388046	6.50	I
363	18.475386	78.414222	8.58	I
364	18.463766	78.416878	13.68	II
365	18.459938	78.418525	14.32	II
366	18.479900	78.400393	9.19	II
367	18.474611	78.401028	8.37	II
368	18.478530	78.397337	8.26	II
369	18.472783	78.397304	5.02	II
370	18.467735	78.420921	6.21	II
371	18.455644	78.410866	6.35	II
372	18.455980	78.395091	8.11	II
373	18.425824	78.391435	9.62	II
374	18.457949	78.401224	6.29	II
375	18.456529	78.391813	7.72	II
376	18.467099	78.400601	5.96	II
377	18.430092	78.394667	7.91	II
378	18.475462	78.417405	5.45	II
379	18.452922	78.401136	21.54	II
380	18.438470	78.392027	26.52	III
381	18.469804	78.412619	28.15	III
382	18.467836	78.403191	27.10	III
383	18.459751	78.412095	8.23	IV
384	18.452207	78.406360	13.99	IV
385	18.470908	78.401690	7.19	IV
386	18.476304	78.401580	22.96	IV
387	18.468128	78.405993	38.54	V
388	18.458541	78.398244	33.41	V
389	18.464087	78.420076	54.23	V

**LEGEND**

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

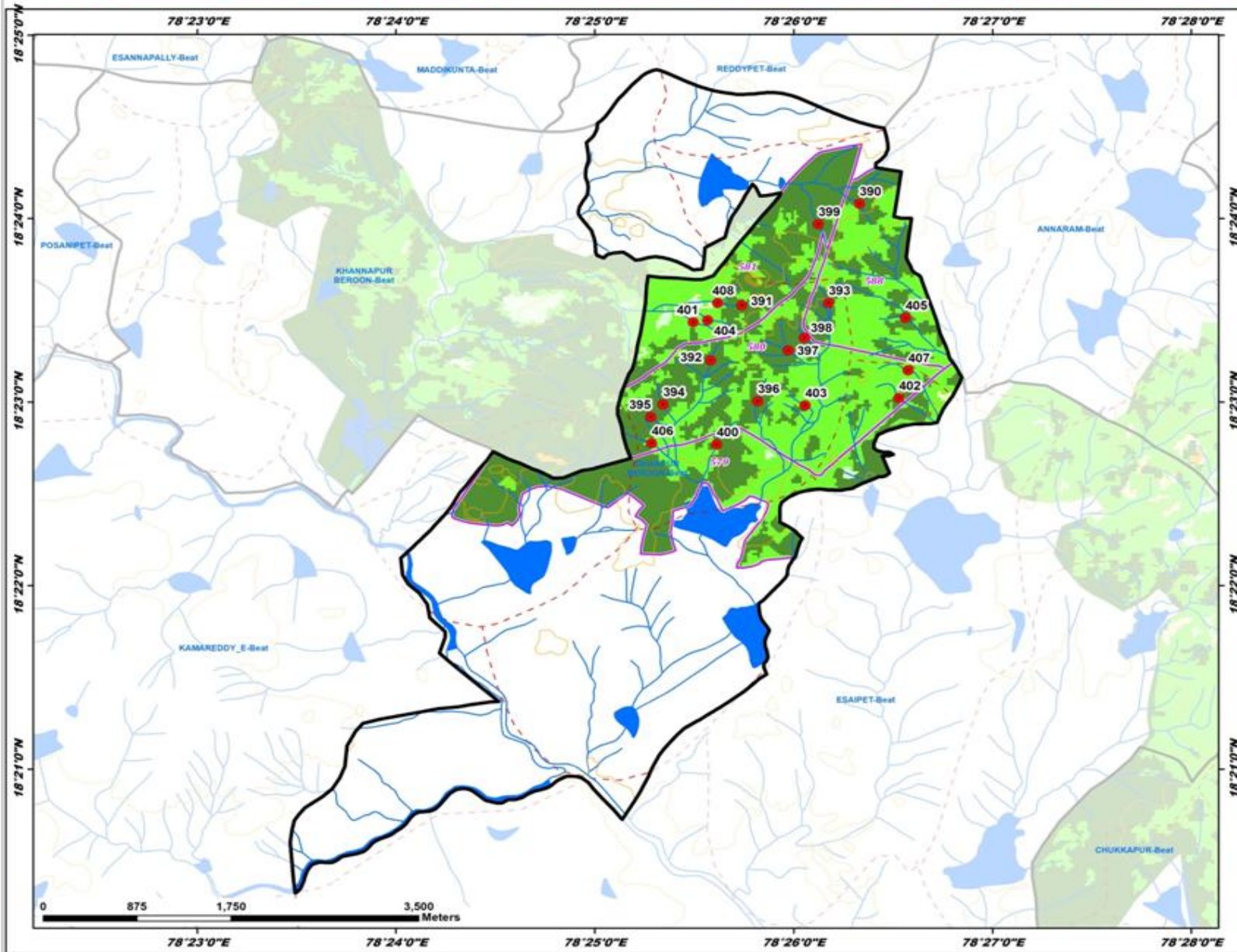
**Suitability Index**

- 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

# Map Showing Suitability Index for Construction of SMC Works of Ghanpur Beroon Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
390	18.401357	78.438856	10.24	I
391	18.392125	78.428998	10.63	I
392	18.387130	78.426375	5.21	I
393	18.392350	78.436275	5.96	I
394	18.383142	78.422389	9.50	I
395	18.381997	78.421368	11.34	I
396	18.383431	78.430327	7.65	I
397	18.388058	78.432902	12.53	I
398	18.389194	78.434233	5.30	I
399	18.399509	78.435609	14.18	I
400	18.379504	78.426895	8.24	I
401	18.390614	78.424914	6.85	II
402	18.383723	78.442172	8.66	II
403	18.383043	78.434310	6.23	II
404	18.390790	78.426140	7.34	II
405	18.391006	78.442722	26.05	II
406	18.379614	78.421441	10.07	II
407	18.386236	78.442951	6.19	II
408	18.392354	78.426986	21.87	IV

**LEGEND**

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

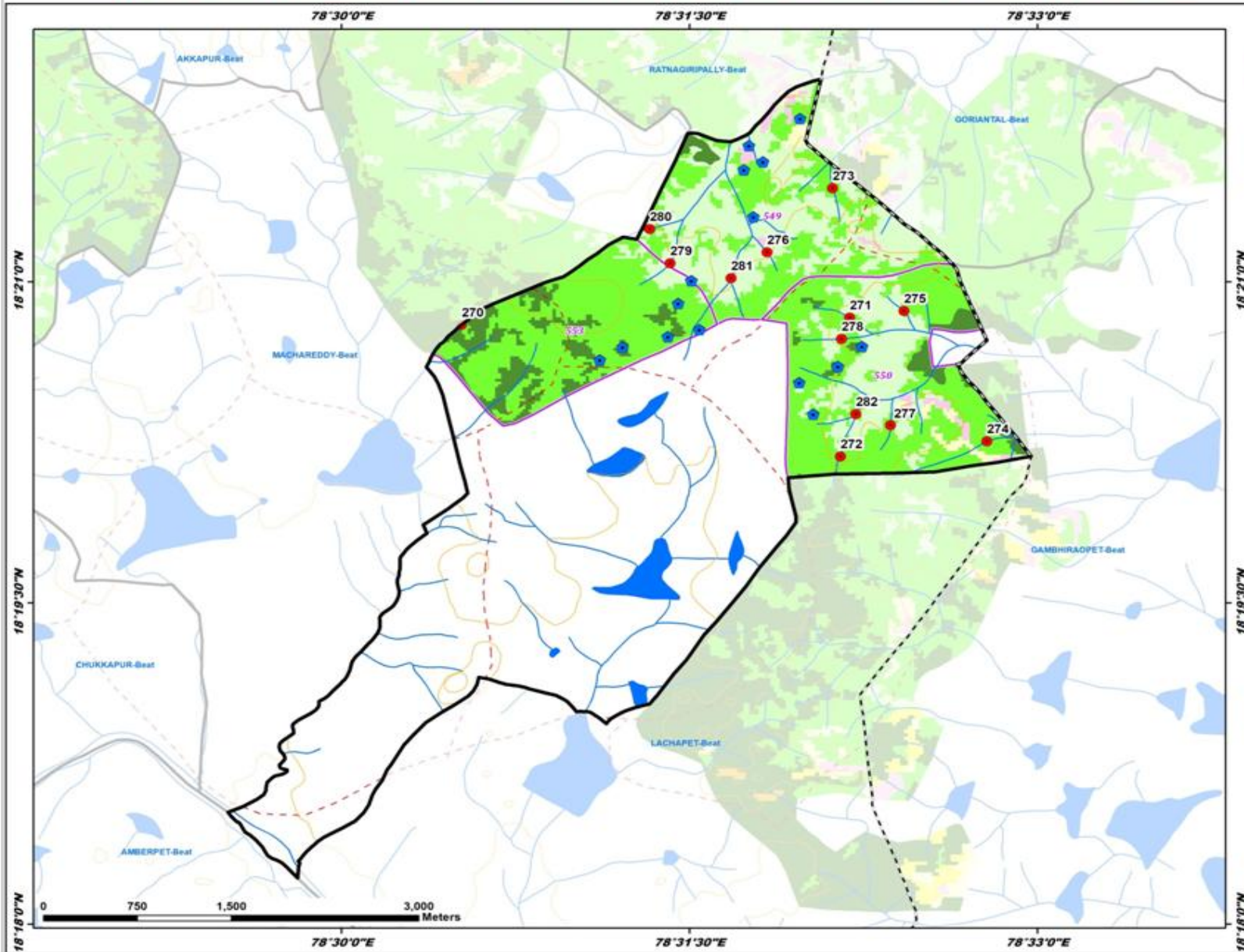
**Suitability Index**

- 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 Ghanpur\_M Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
270	18.346642	78.508624	19.92	I
271	18.347221	78.536525	18.24	II
272	18.336407	78.535851	24.06	II
273	18.357292	78.535291	5.64	II
274	18.337583	78.546373	35.51	III
275	18.347734	78.540424	28.22	III
276	18.352299	78.530573	8.80	IV
277	18.338835	78.539460	15.91	IV
278	18.345562	78.535923	10.40	IV
279	18.351437	78.523608	13.98	IV
280	18.354113	78.522145	48.76	V
281	18.350278	78.527996	42.21	V
282	18.339702	78.536966	56.34	V

**LEGEND**

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

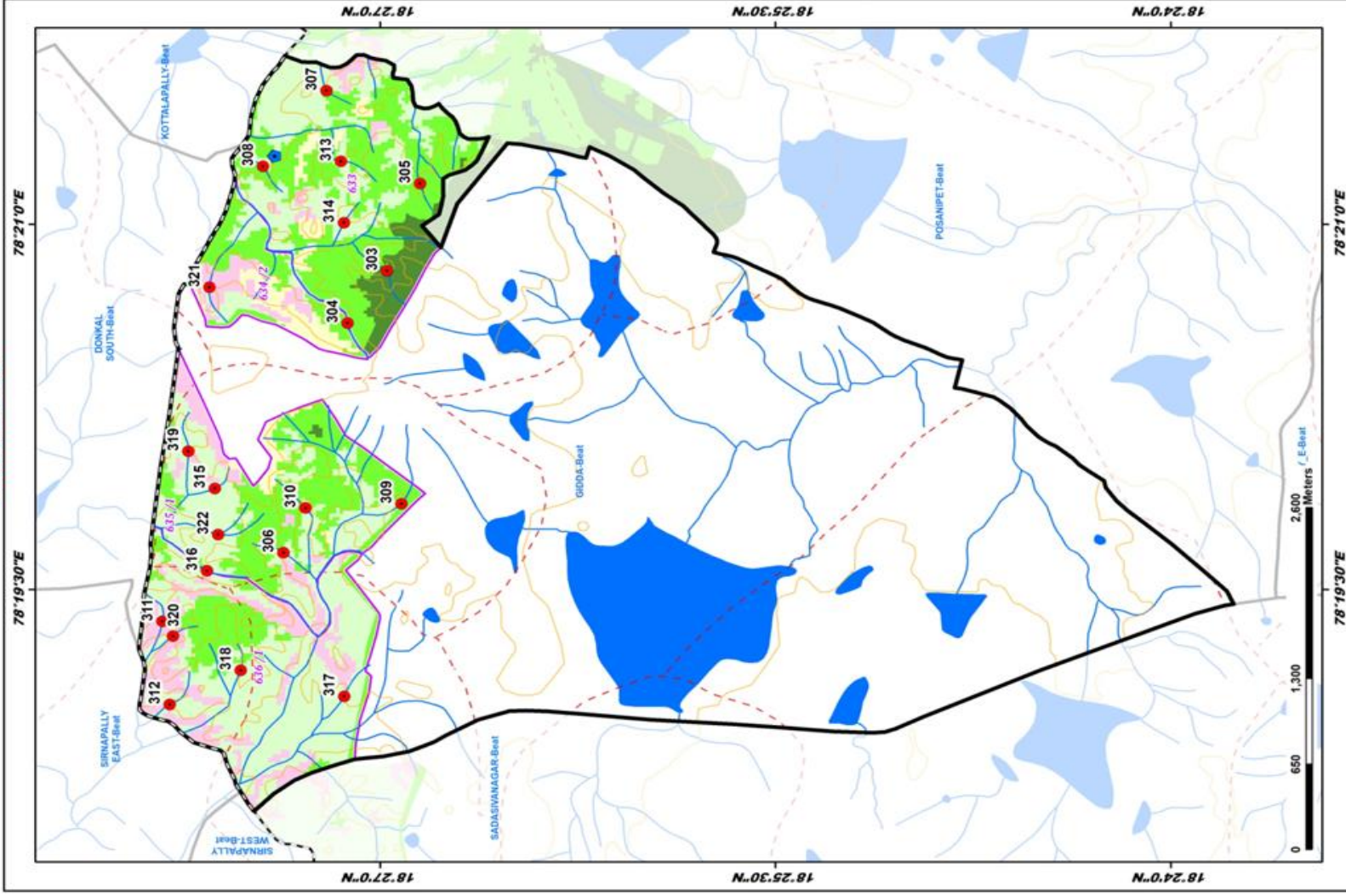
**Suitability Index**

- 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 Gidda Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
303	18.46571	78.34688	13.18	I
304	18.45256	78.34326	10.33	II
305	18.44764	78.35281	6.54	II
306	18.45616	78.32737	6.96	II
307	18.45389	78.35986	5.65	II
308	18.45706	78.35999	11.82	II
309	18.44865	78.33087	19.91	IV
310	18.45470	78.33000	16.17	IV
311	18.46376	78.32836	11.63	IV
312	18.46301	78.31748	9.70	IV
313	18.45245	78.35438	8.16	IV
314	18.45285	78.35014	6.00	IV
315	18.46054	78.33154	6.63	IV
316	18.46056	78.33628	8.81	IV
317	18.45256	78.31769	8.76	IV
318	18.45816	78.31948	17.59	IV
319	18.46127	78.33498	21.63	IV
320	18.46305	78.31839	8.39	IV
321	18.46092	78.34573	18.12	IV
322	18.46043	78.32872	11.67	IV

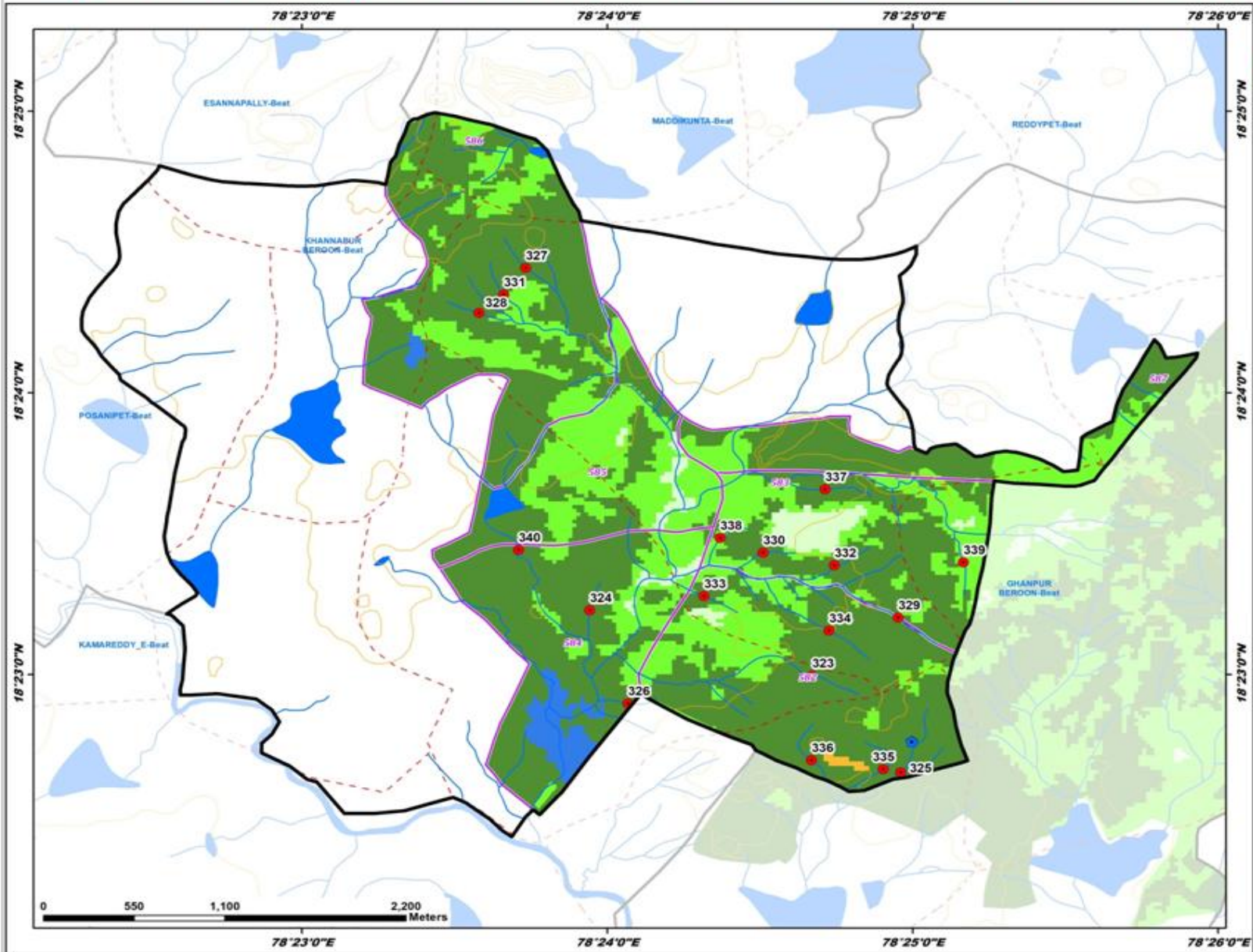
### LEGEND

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

# Map Showing Suitability Index for Construction of SMC Works of Khannapur Beroon Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
323	18.383269	78.411195	10.63	I
324	18.387143	78.399046	13.25	I
325	18.377549	78.416039	19.93	I
326	18.381629	78.401141	5.76	I
327	18.407384	78.395557	8.42	I
328	18.404735	78.393004	7.96	I
329	18.386705	78.415886	19.79	I
330	18.390554	78.408506	7.67	I
331	18.405817	78.394351	8.52	I
332	18.389801	78.412400	6.94	I
333	18.387974	78.405285	7.41	I
334	18.385939	78.412120	13.19	I
335	18.377729	78.415089	9.11	I
336	18.378267	78.411165	9.21	I
337	18.394303	78.411899	6.34	I
338	18.391413	78.406172	8.96	II
339	18.389970	78.419455	16.96	II
340	18.390707	78.395162	98.66	III

**LEGEND**

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

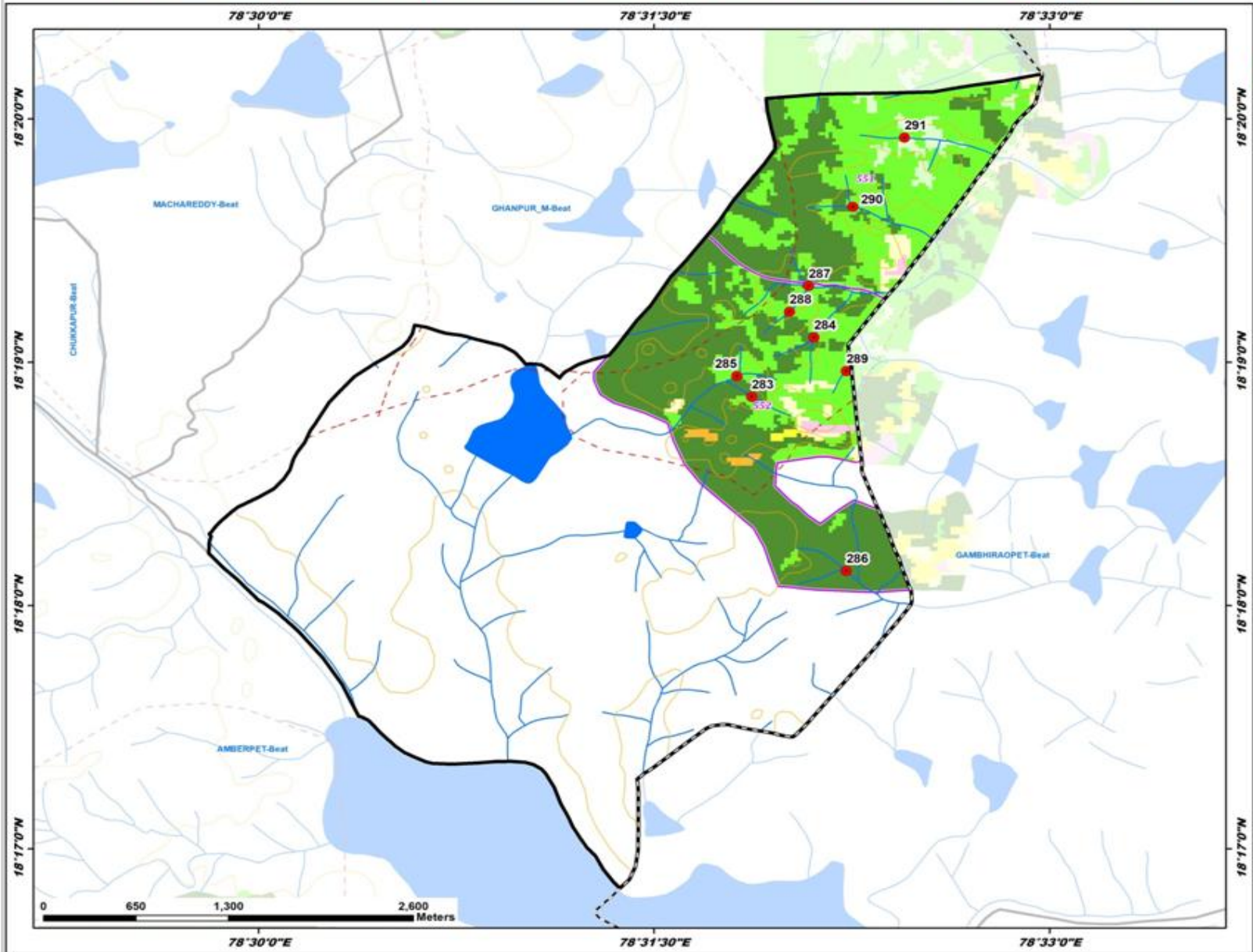
**Suitability Index**

- 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 Lachapet Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
283	18.314303	78.531185	9.18	I
284	18.318374	78.535120	13.75	I
285	18.315722	78.530235	8.35	I
286	18.302373	78.537155	17.01	I
287	18.321889	78.534780	22.94	II
288	18.320140	78.533570	7.56	II
289	18.316057	78.537158	5.08	II
290	18.327322	78.537572	31.15	III
291	18.332064	78.540836	6.96	IV

**LEGEND**

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

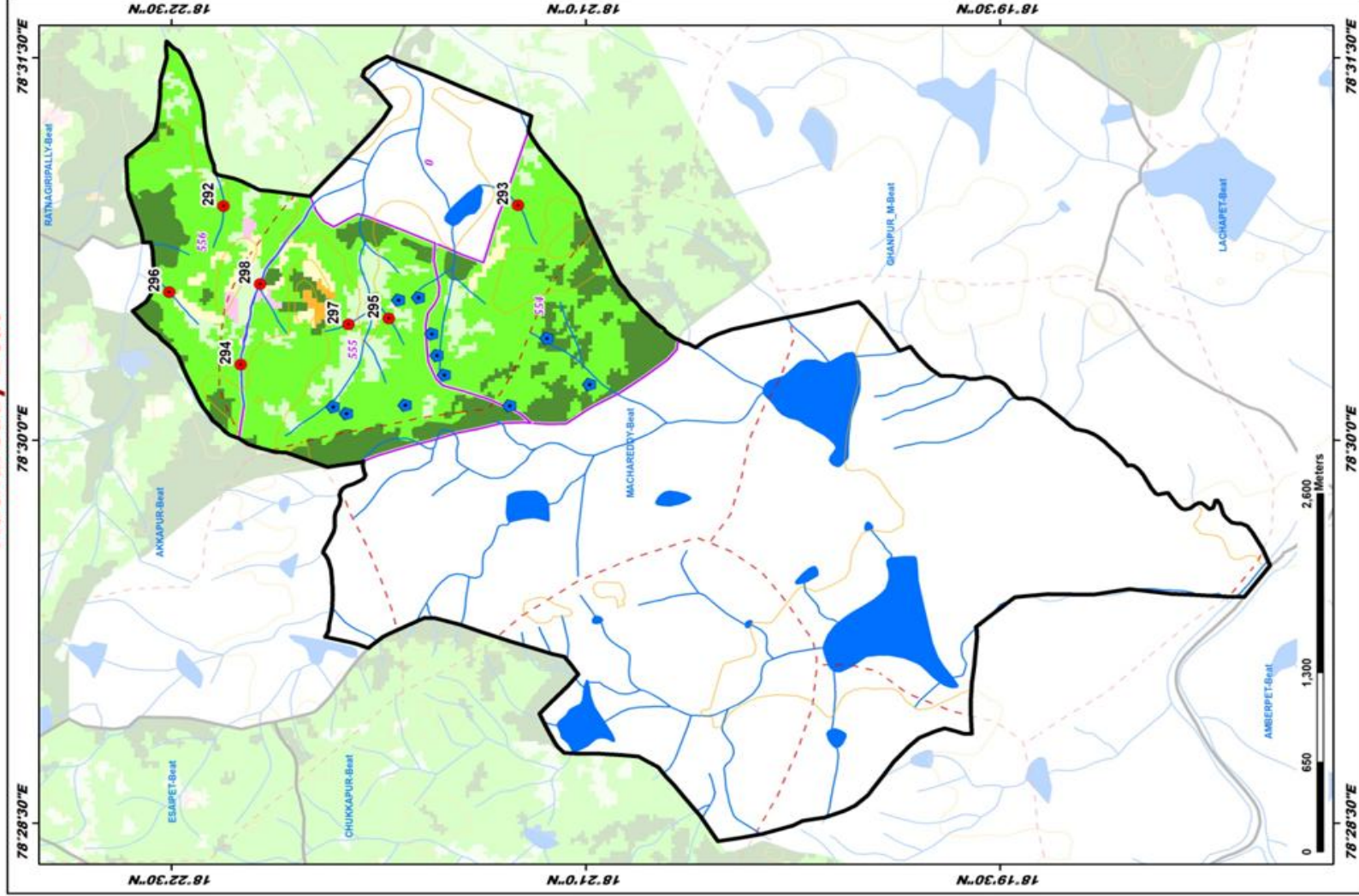
**Suitability Index**

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

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



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
292	18.371871	78.515338	18.67	II
293	18.340095	78.515900	7.15	II
294	18.30034	78.50874	6.57	II
295	18.361902	78.507989	9.79	II
296	18.375151	78.509711	18.04	II
297	18.364323	78.507616	15.75	IV
298	18.366674	78.510242	33.92	V

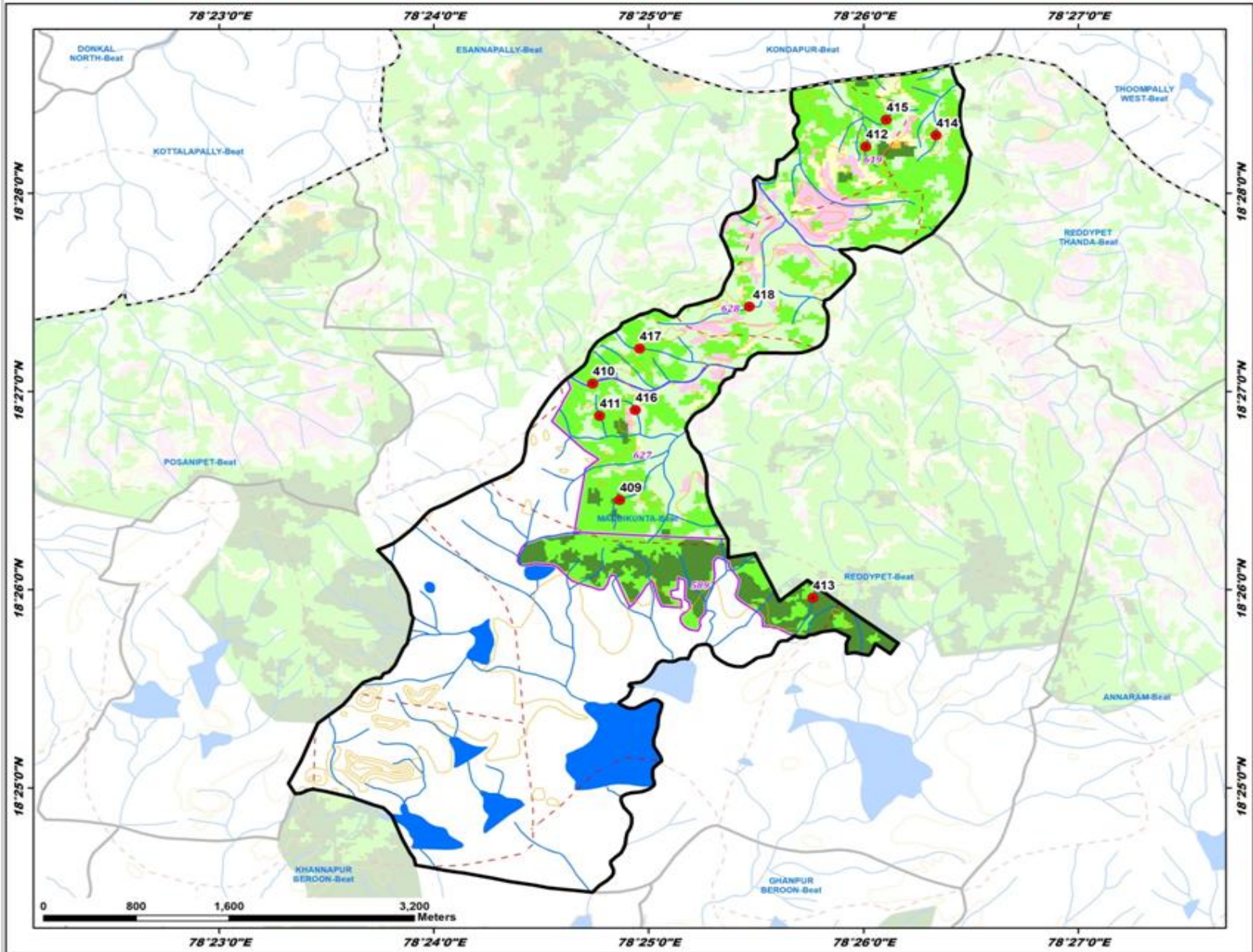
### LEGEND

- Proposed PTs
  - Existing CD/PTs
  - Contours
  - Streams
  - Watershed Boundary
  - Compartment Boundary
  - Beat Boundary
  - Division Boundary
- Suitability Index**
- CC Ts/SCTs - Highly Suitable
  - CC Ts/SCTs - Moderately Suitable
  - CC Ts/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 Maddikunta Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
409	18.440884	78.414417	13.71	I
410	18.450674	78.412333	7.32	II
411	18.447960	78.412863	5.56	II
412	18.470587	78.435522	8.34	II
413	18.432669	78.429424	6.27	II
414	18.471539	78.438972	12.15	II
415	18.472861	78.435118	8.08	II
416	18.448444	78.415636	5.03	IV
417	18.453598	78.415968	6.72	IV
418	18.457145	78.424478	32.24	V

**LEGEND**

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

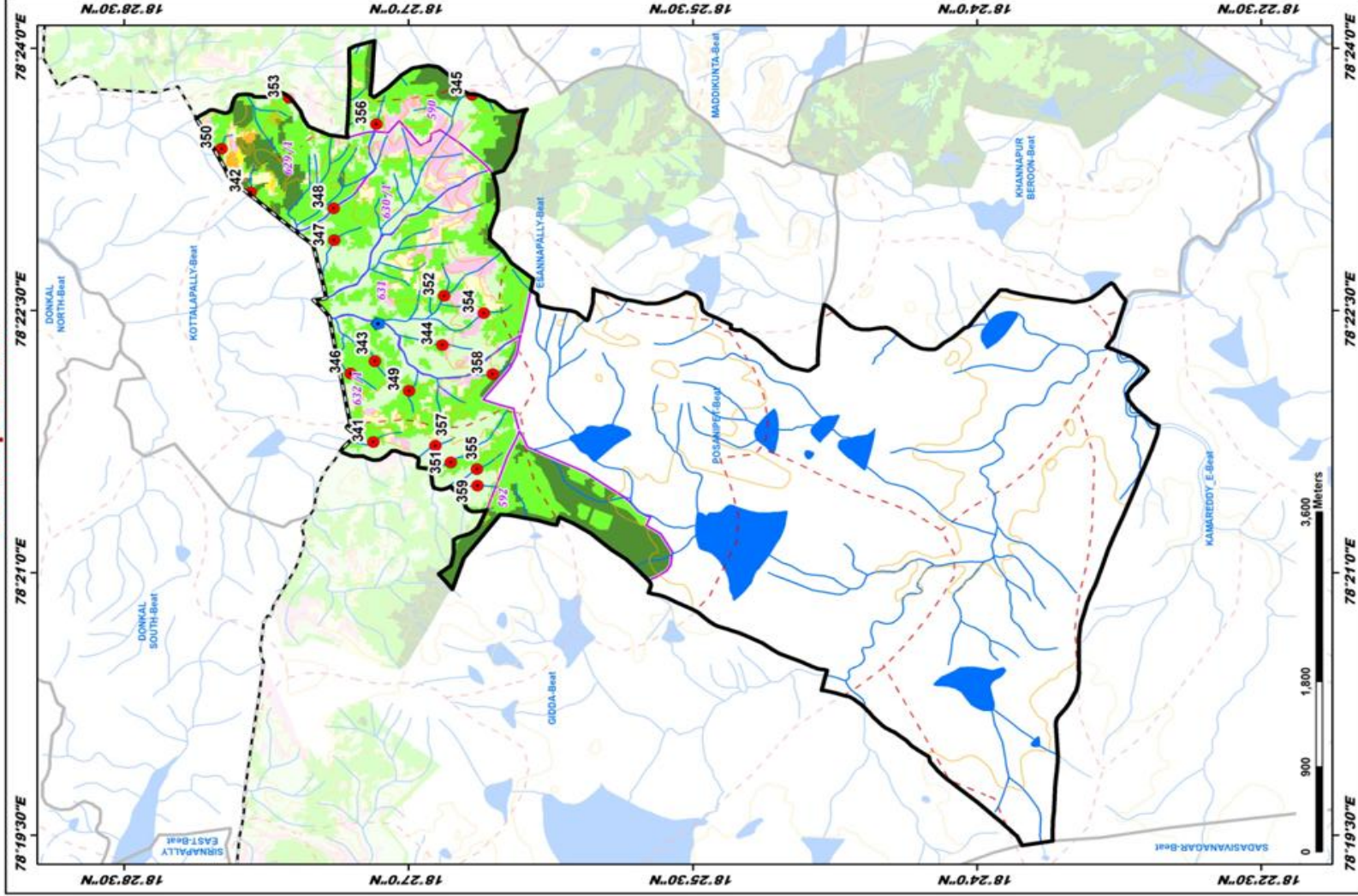
**Suitability Index**

- 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 Posanipet Beat



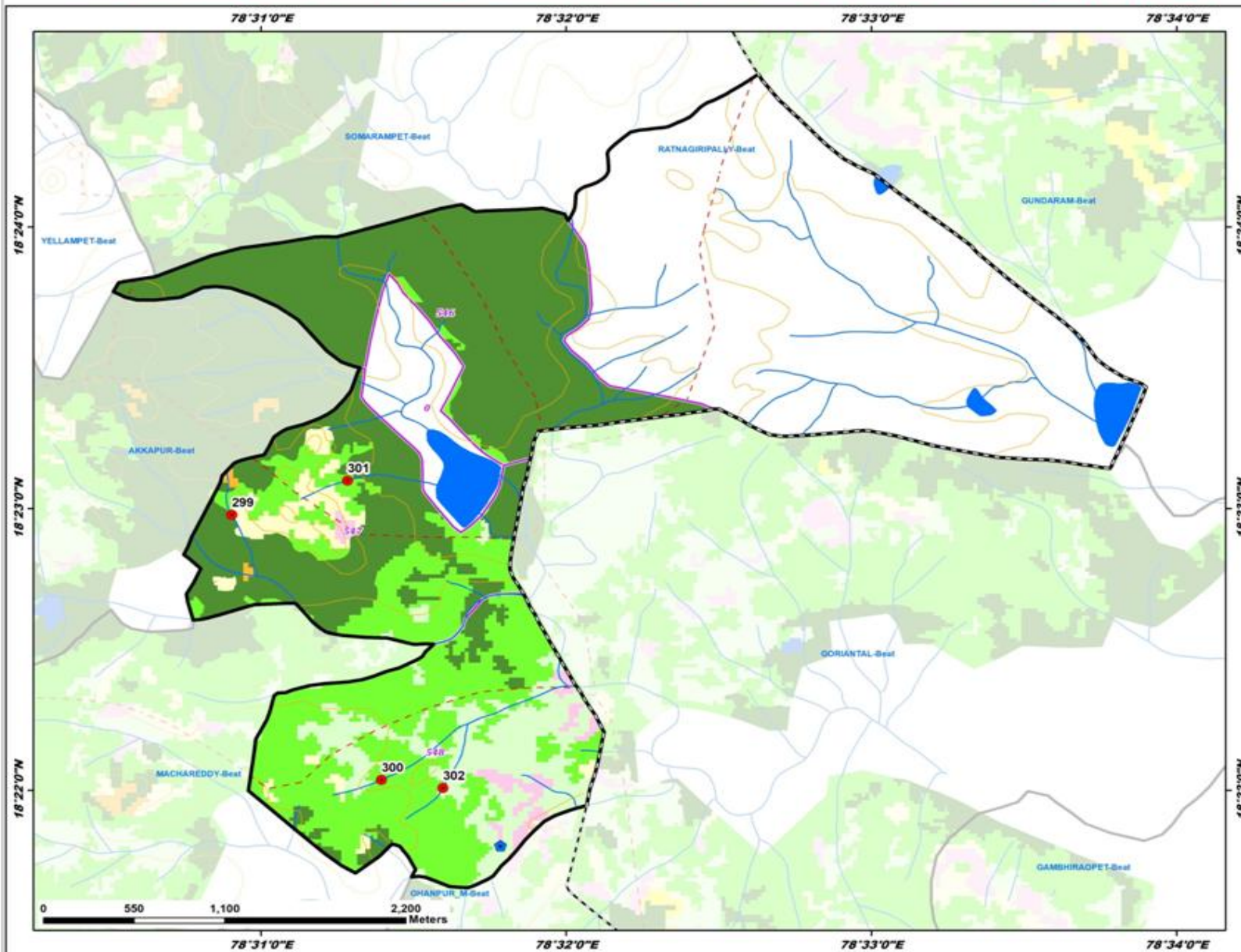
Division : Kamareddy  
Range : Machareddy



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



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
299	18.382973	78.515071	10.77	I
300	18.367293	78.523244	5.63	II
301	18.384998	78.521397	11.24	II
302	18.366804	78.526601	5.36	IV

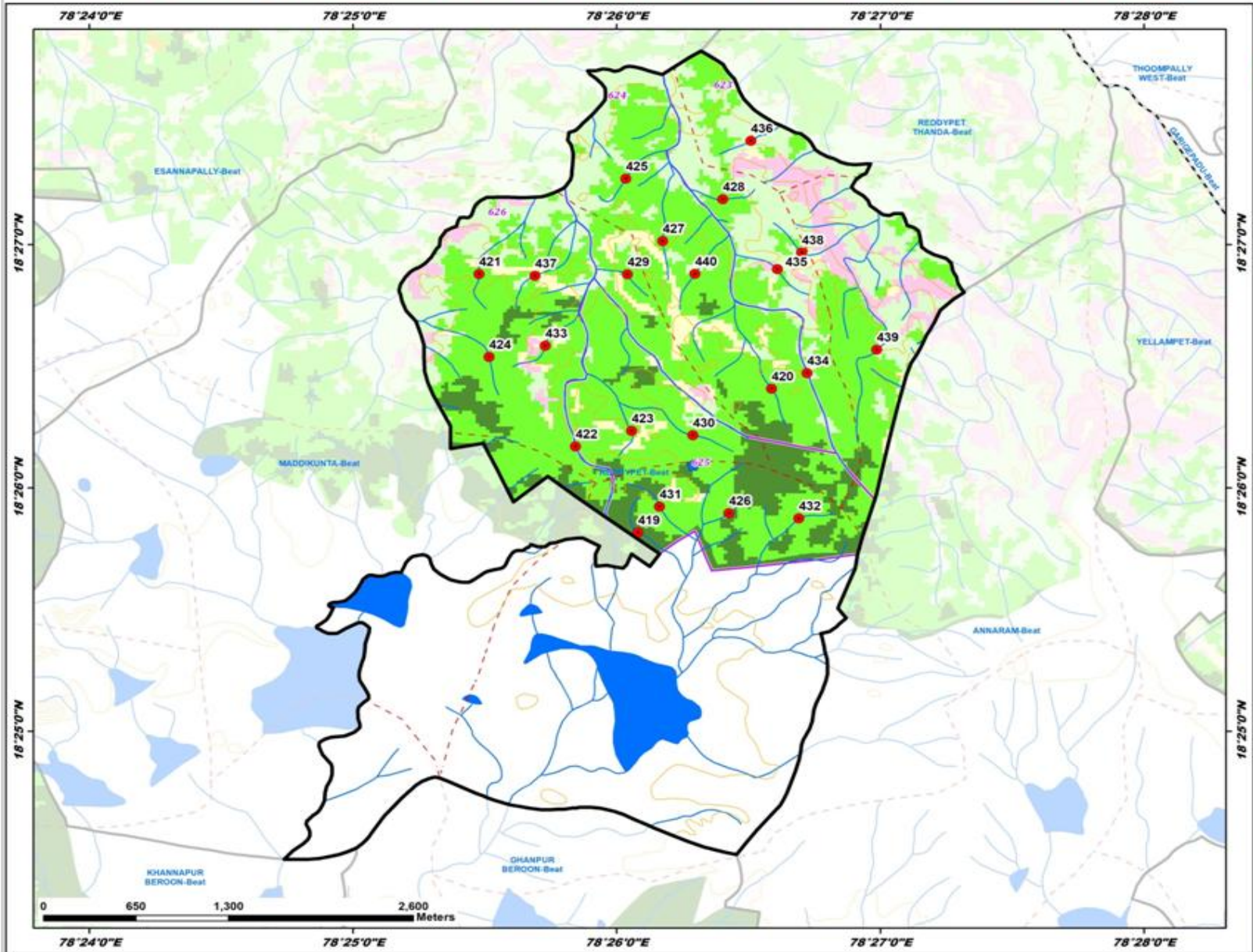
### LEGEND

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

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



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
419	18.430283	78.434692	5.41	I
420	18.440126	78.443124	13.53	II
421	18.447991	78.424632	8.70	II
422	18.436179	78.430733	5.53	II
423	18.437259	78.434279	9.86	II
424	18.442311	78.425279	9.58	II
425	18.454519	78.433915	8.51	II
426	18.431607	78.440436	7.71	II
427	18.450247	78.438239	5.10	II
428	18.453108	78.440049	5.54	II
429	18.447965	78.434016	6.23	II
430	18.436955	78.438156	8.86	II
431	18.432058	78.436053	10.12	II
432	18.431259	78.444848	9.99	II
433	18.443085	78.428825	10.43	II
434	18.441199	78.445372	28.45	III
435	18.448317	78.443491	7.16	IV
436	18.457114	78.441818	9.57	IV
437	18.447868	78.428175	10.34	IV
438	18.449460	78.445042	9.54	IV
439	18.442809	78.449780	20.62	IV
440	18.448009	78.438292	7.16	IV

**LEGEND**

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

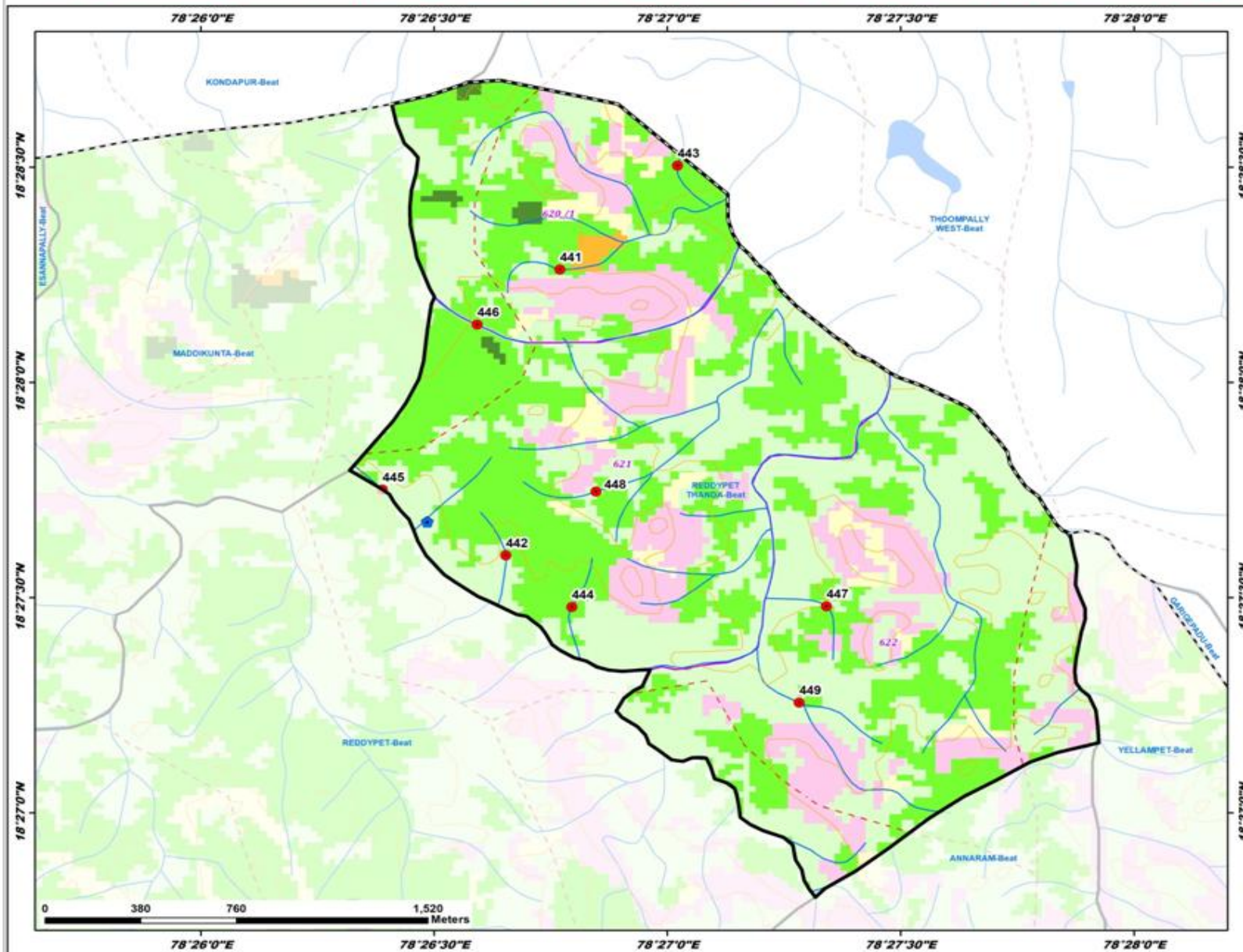
**Suitability Index**

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

# Map Showing Suitability Index for Construction of SMC Works of Reddypet Thanda Beat



Division : Kamareddy  
Range : Machareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
441	18.471039	78.446169	9.05	II
442	18.459970	78.444230	7.28	II
443	18.475061	78.450366	5.14	II
444	18.457972	78.446588	6.41	II
445	18.462518	78.439825	8.08	II
446	18.468912	78.443207	5.64	II
447	18.458003	78.455692	10.22	IV
448	18.462440	78.447456	6.21	IV
449	18.454272	78.454712	29.37	V

**LEGEND**

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

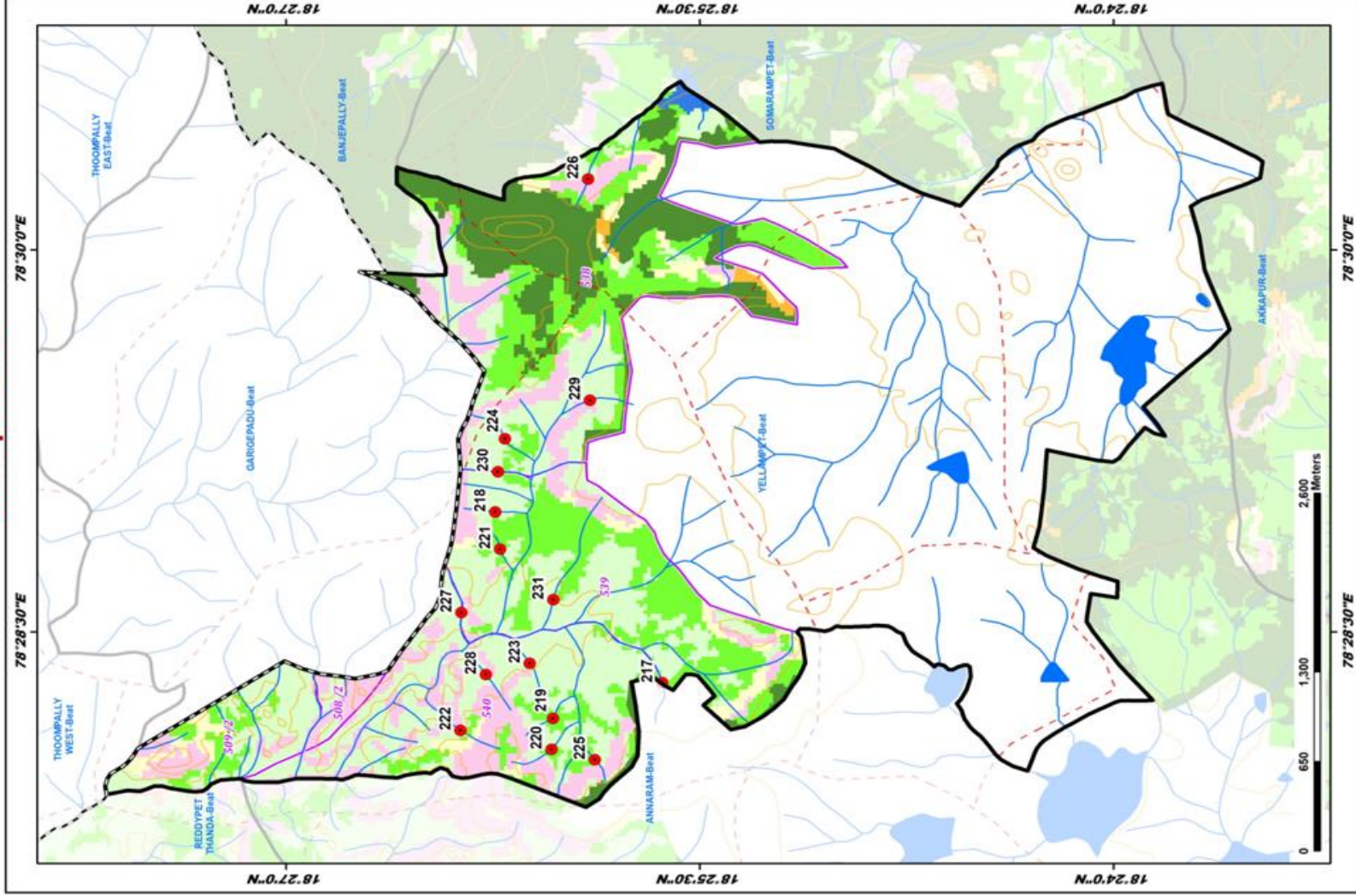
**Suitability Index**

- 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 Yellampet Beat



Division : Kamareddy  
Range : Machareddy

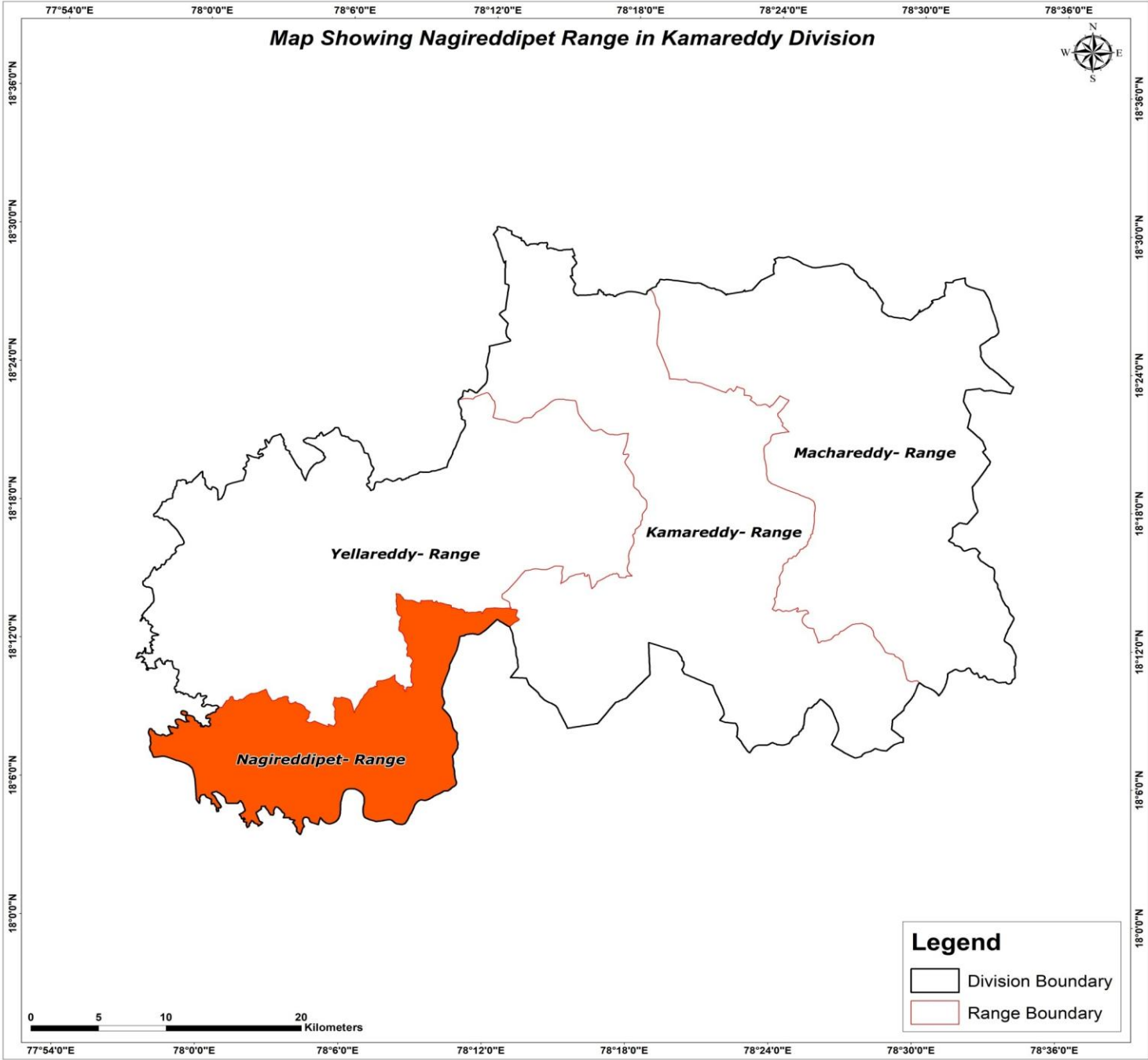


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
217	18.427264	78.471710	21.88	I
218	18.437367	78.482882	5.29	II
219	18.438864	78.469370	5.82	II
220	18.439363	78.467338	6.29	II
221	18.437064	78.480440	6.74	II
222	18.439460	78.468557	6.32	IV
223	18.435275	78.472971	5.50	IV
224	18.436774	78.487658	10.75	IV
225	18.431346	78.466658	16.28	IV
226	18.431741	78.504658	9.12	IV
227	18.439406	78.476302	16.09	IV
228	18.437928	78.472231	7.74	IV
229	18.431639	78.490185	15.13	IV
230	18.437202	78.485509	7.07	IV
231	18.438852	78.477139	37.22	V

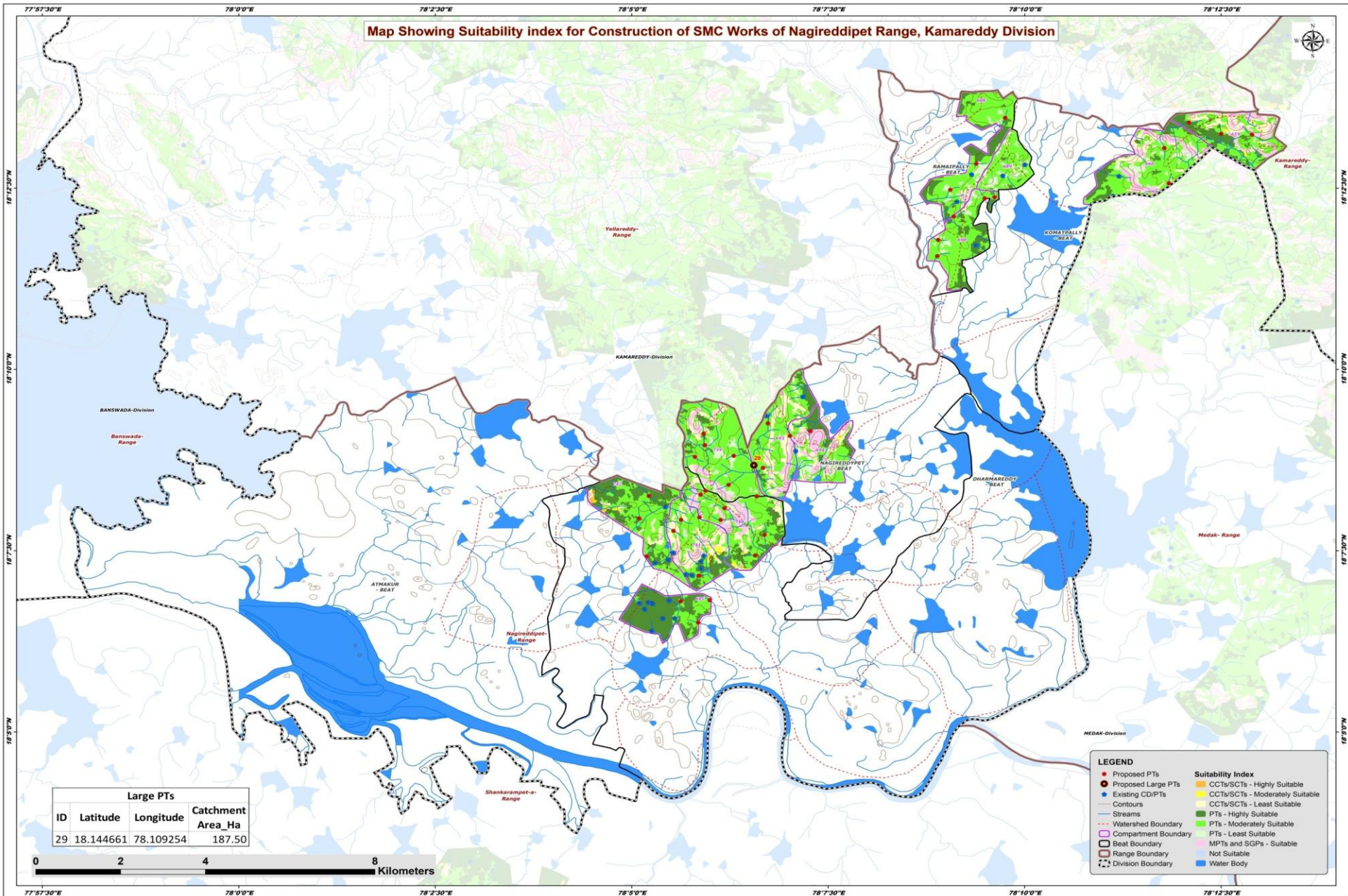
## LEGEND

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

# Map Showing Nagireddipet Range in Kamareddy Division



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

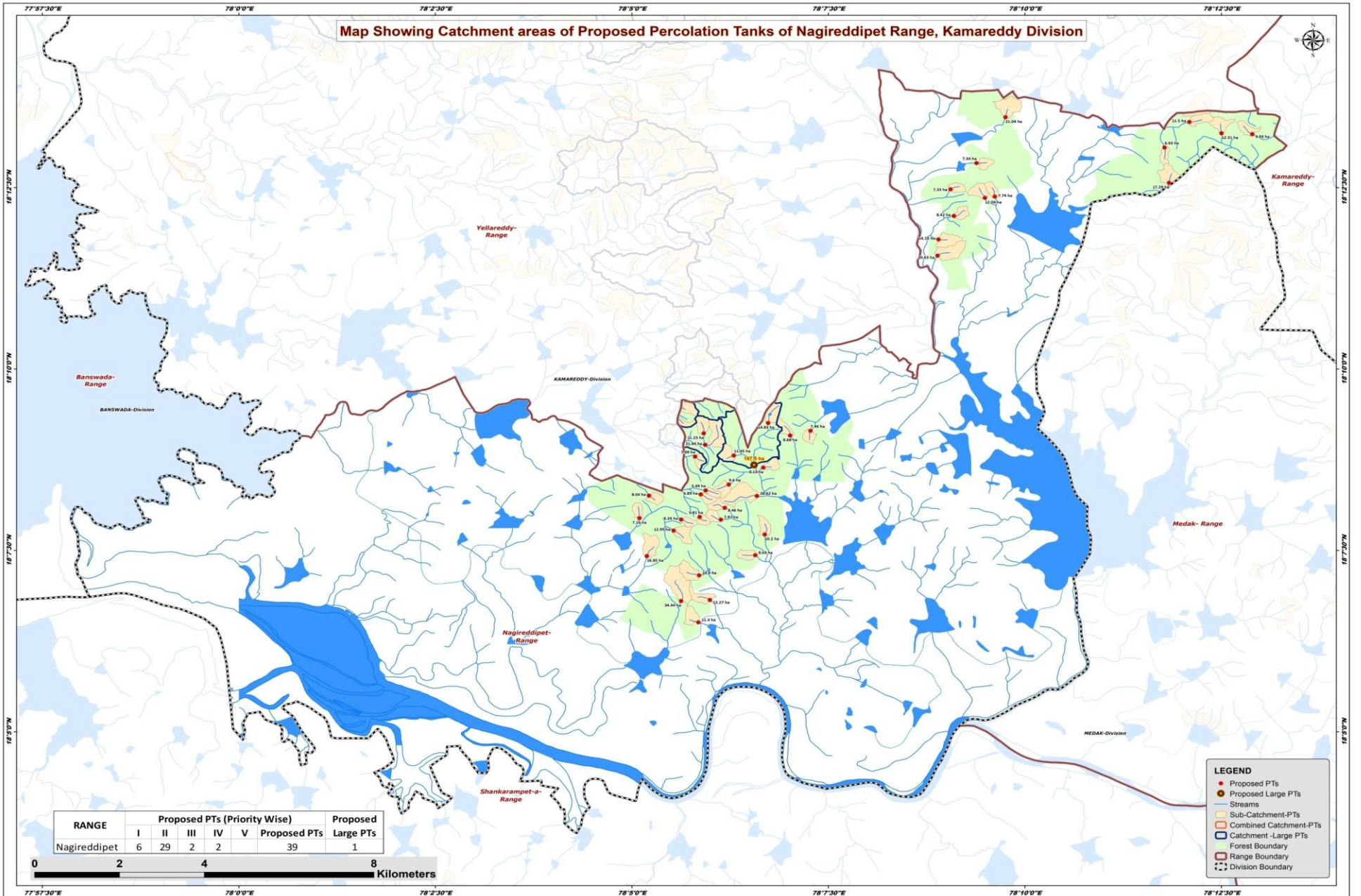


- LEGEND**
- Proposed PTs
  - Proposed Large PTs
  - Existing CD/PTs
  - Contours
  - Streams
  - Watershed Boundary
  - Compartment Boundary
  - Beat Boundary
  - Range Boundary
  - Division Boundary
  - CCTs/SCTs - Highly Suitable
  - CCTs/SCTs - Moderately Suitable
  - CCTs/SCTs - Least Suitable
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

Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
29	18.144661	78.109254	187.50



Map Showing Catchment areas of Proposed Percolation Tanks of Nagireddipet Range, Kamareddy Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Nagireddipet	6	29	2	2	39	1

0 2 4 8 Kilometers

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

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

S. No.	Beat	Proposed PT's
1	DHARMAREDDY	17
2	KOMATPALLY	5
3	NAGIREDDYPET	9
4	RAMAIPALLY	8
	<b>Total</b>	<b>39</b>

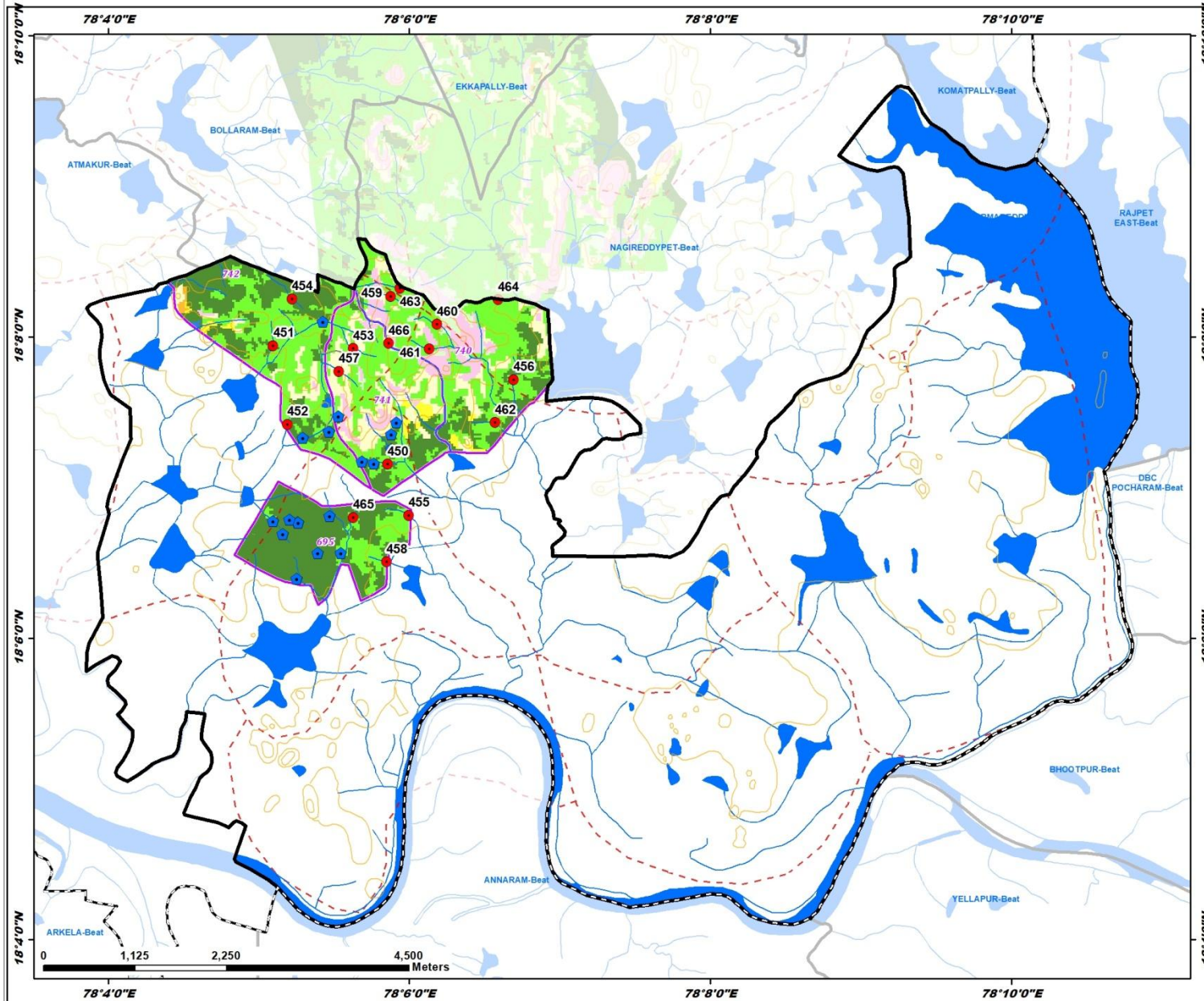
## List of Proposed PTs – Nagireddipet Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
450	18.119299	78.097588	14.80	I	DHARMAREDDY
451	18.132431	78.084926	7.16	I	DHARMAREDDY
452	18.123718	78.086506	16.85	I	DHARMAREDDY
453	18.132110	78.093776	6.24	II	DHARMAREDDY
454	18.137609	78.086977	8.04	II	DHARMAREDDY
455	18.113649	78.099900	12.27	II	DHARMAREDDY
456	18.128675	78.111512	10.20	II	DHARMAREDDY
457	18.129580	78.092195	12.95	II	DHARMAREDDY
458	18.108496	78.097448	11.30	II	DHARMAREDDY
459	18.137880	78.097955	6.89	II	DHARMAREDDY
460	18.134791	78.103027	8.46	II	DHARMAREDDY
461	18.132083	78.102213	7.91	II	DHARMAREDDY
462	18.123918	78.109505	8.69	II	DHARMAREDDY
463	18.138799	78.098970	5.49	II	DHARMAREDDY
464	18.137514	78.109853	28.62	III	DHARMAREDDY
465	18.113411	78.093771	34.44	III	DHARMAREDDY
466	18.132701	78.097706	5.81	IV	DHARMAREDDY
467	18.223403	78.201531	11.50	I	KOMATPALLY
468	18.217540	78.196280	6.93	II	KOMATPALLY
469	18.220834	78.208356	12.31	II	KOMATPALLY
470	18.209445	78.197247	17.29	II	KOMATPALLY
471	18.220623	78.214877	9.83	II	KOMATPALLY
472	18.152505	78.121211	7.46	I	NAGIREDDYPET
473	18.146812	78.104946	11.45	II	NAGIREDDYPET
474	18.151918	78.098595	11.23	II	NAGIREDDYPET
475	18.154278	78.112230	14.83	II	NAGIREDDYPET
476	18.144044	78.111181	8.13	II	NAGIREDDYPET
477	18.151393	78.116903	8.68	II	NAGIREDDYPET
478	18.146574	78.096743	7.09	II	NAGIREDDYPET
479	18.140156	78.103891	9.60	II	NAGIREDDYPET
480	18.149271	78.098888	21.84	IV	NAGIREDDYPET
481	18.213979	78.156405	7.34	I	RAMAIPALLY
482	18.205971	78.158209	12.04	II	RAMAIPALLY
483	18.207946	78.150904	7.33	II	RAMAIPALLY
484	18.206281	78.160274	7.74	II	RAMAIPALLY
485	18.201816	78.151617	8.42	II	RAMAIPALLY
486	18.224505	78.162547	21.04	II	RAMAIPALLY
487	18.192711	78.148158	20.63	II	RAMAIPALLY
488	18.196438	78.148344	14.16	II	RAMAIPALLY

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



Division : Kamareddy  
Range : Nagireddypet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
450	18.119299	78.097588	14.80	I
451	18.132431	78.084926	7.16	I
452	18.132718	78.086506	16.85	I
453	18.132110	78.093776	6.24	II
454	18.137609	78.086977	8.04	II
455	18.113649	78.099900	12.27	II
456	18.128675	78.111512	10.20	II
457	18.129580	78.092195	12.95	II
458	18.108496	78.097448	11.30	II
459	18.137880	78.097955	6.89	II
460	18.134791	78.103027	8.46	II
461	18.132083	78.102213	7.91	II
462	18.123918	78.109505	8.69	II
463	18.138799	78.098970	5.49	II
464	18.137514	78.109853	28.62	III
465	18.113411	78.093771	34.44	III
466	18.132701	78.097706	5.81	IV

**LEGEND**

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

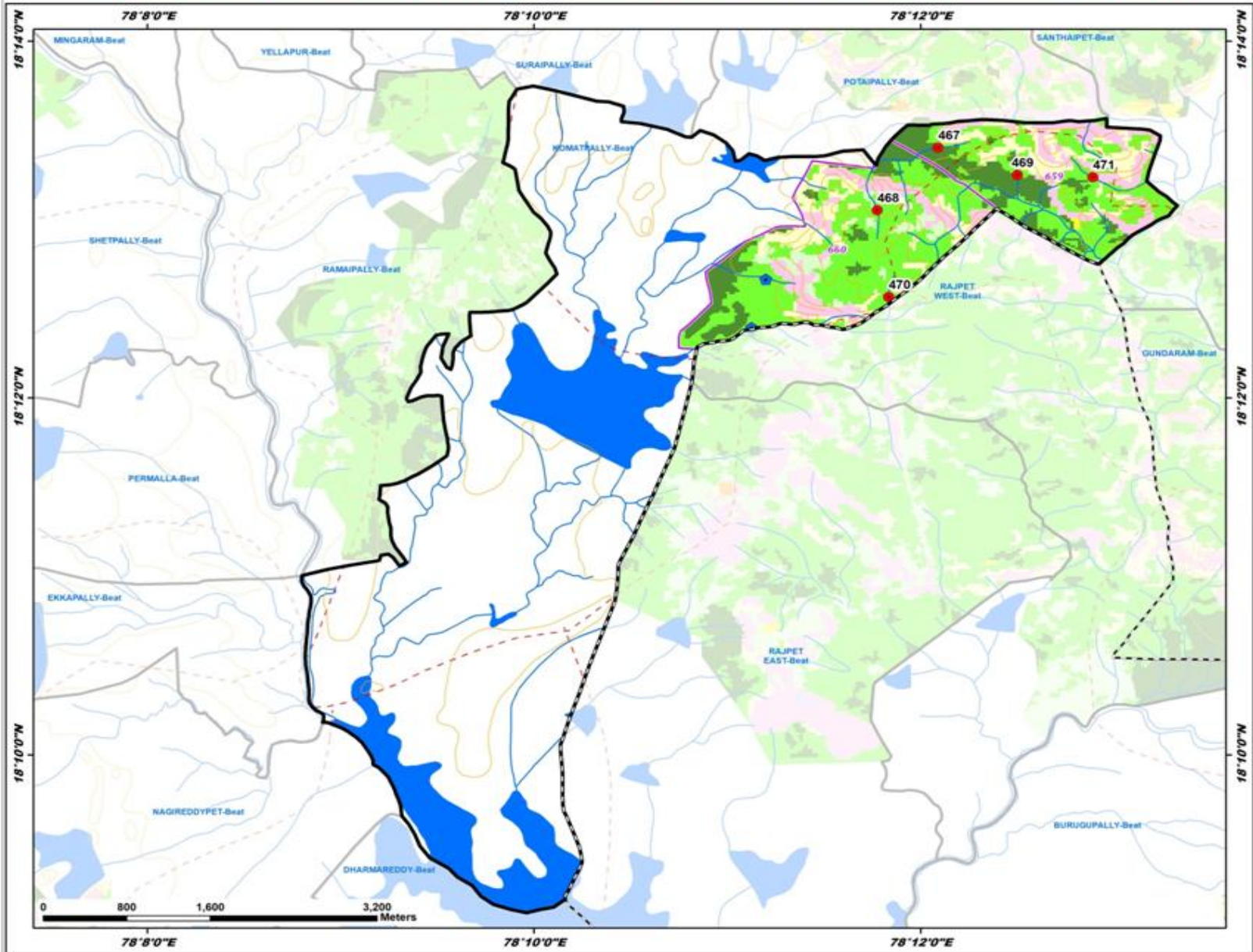
**Suitability Index**

- Orange: 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
- Pink: MPTs and SGPs - Suitable
- White: Not Suitable
- Blue: Water Body

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



Division : Kamareddy  
Range : Nagireddypet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
467	18.223403	78.201531	11.50	I
468	18.217540	78.196280	6.93	II
469	18.220834	78.208356	12.31	II
470	18.209445	78.197247	17.29	II
471	18.220623	78.214877	9.83	II

**LEGEND**

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

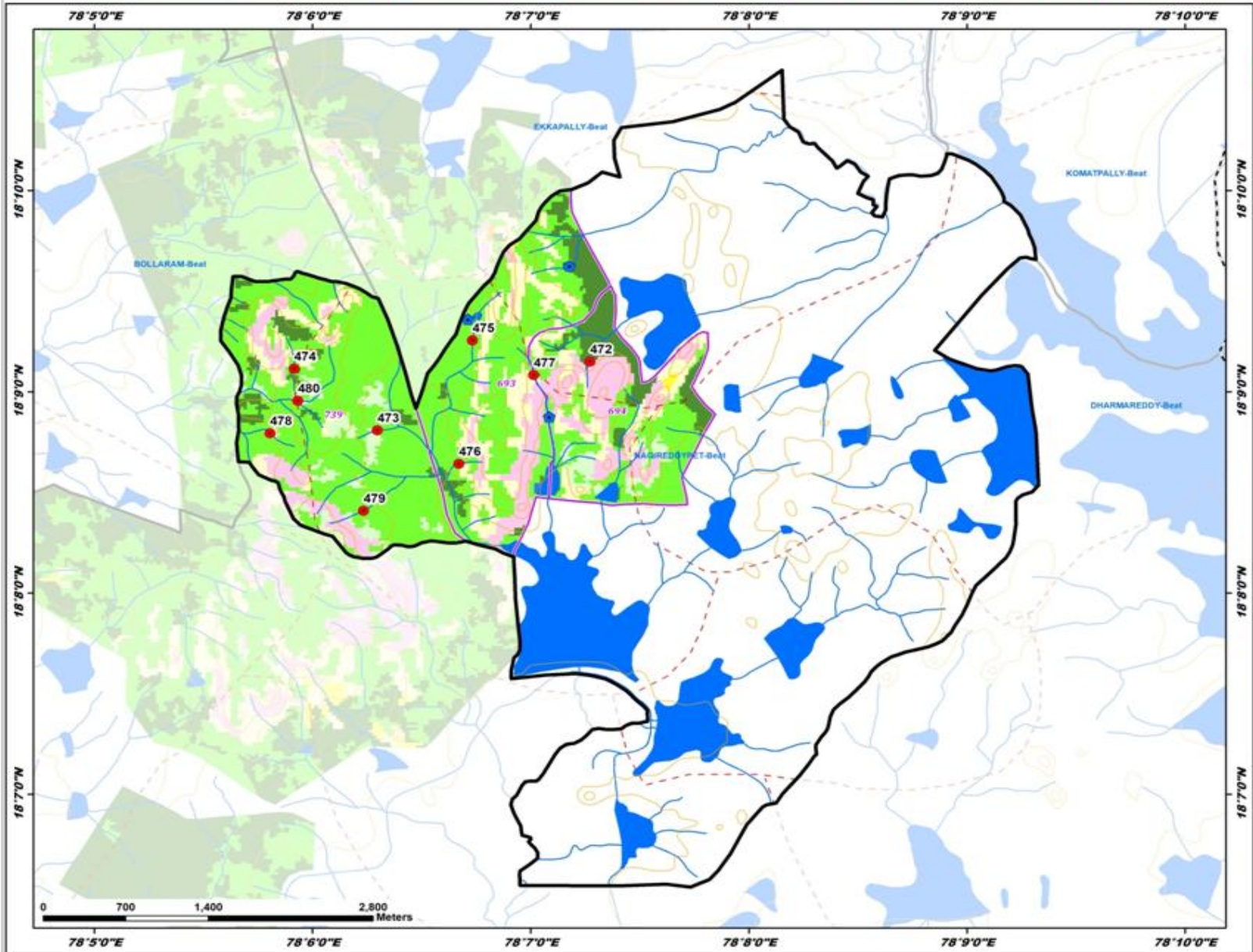
**Suitability Index**

- 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 Nagireddypet Beat



Division : Kamareddy  
Range : Nagireddypet



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
472	18.152505	78.121211	7.46	I
473	18.146812	78.104946	11.45	II
474	18.151928	78.098595	11.23	II
475	18.154278	78.112230	14.83	II
476	18.144044	78.111181	8.13	II
477	18.151393	78.116903	8.68	II
478	18.146574	78.096743	7.09	II
479	18.140156	78.103891	9.60	II
480	18.149271	78.096888	21.84	IV

**LEGEND**

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

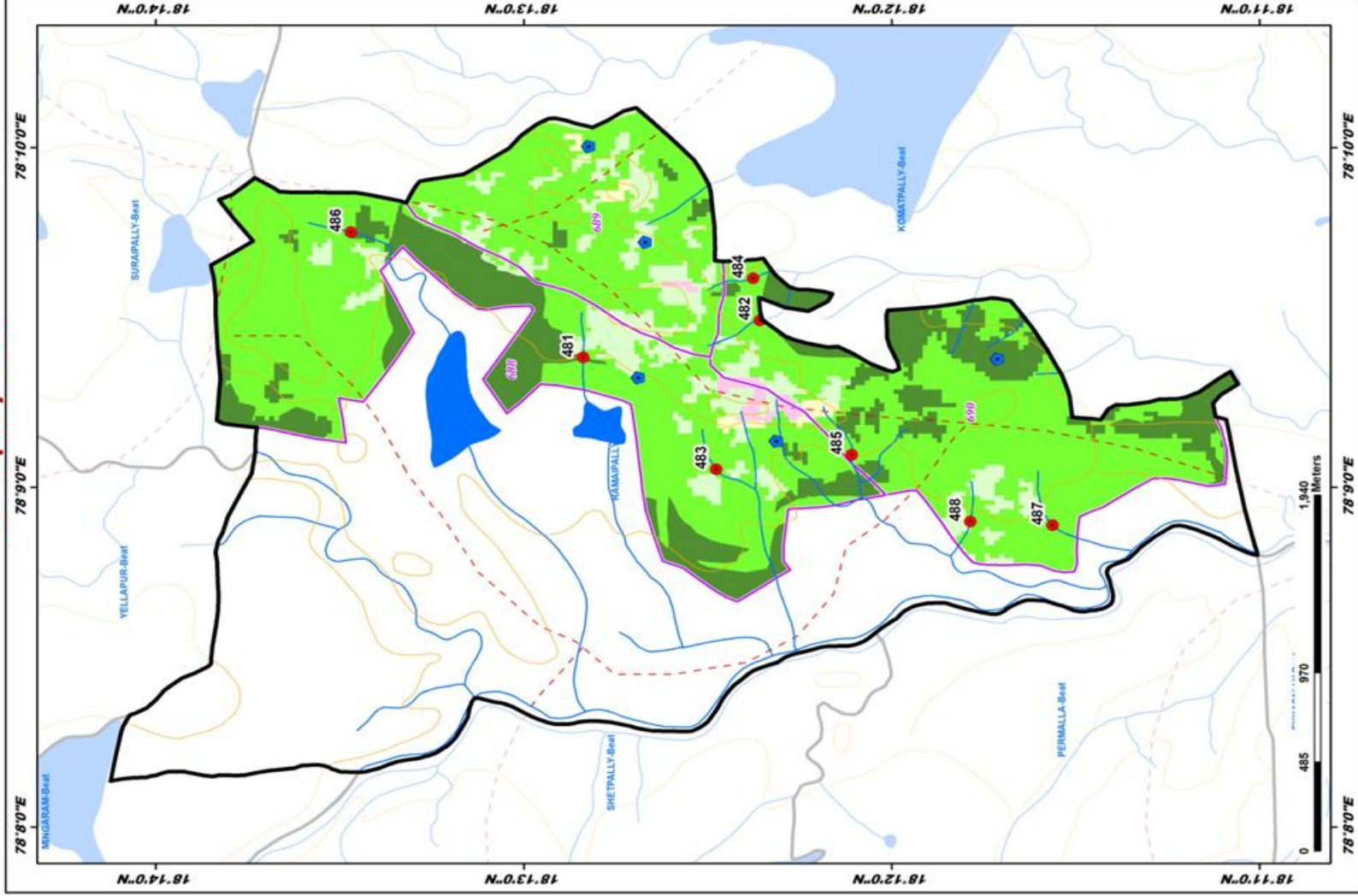
**Suitability Index**

- 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 Ramaipally Beat



Division : Kamareddy  
Range : Nagireddypet

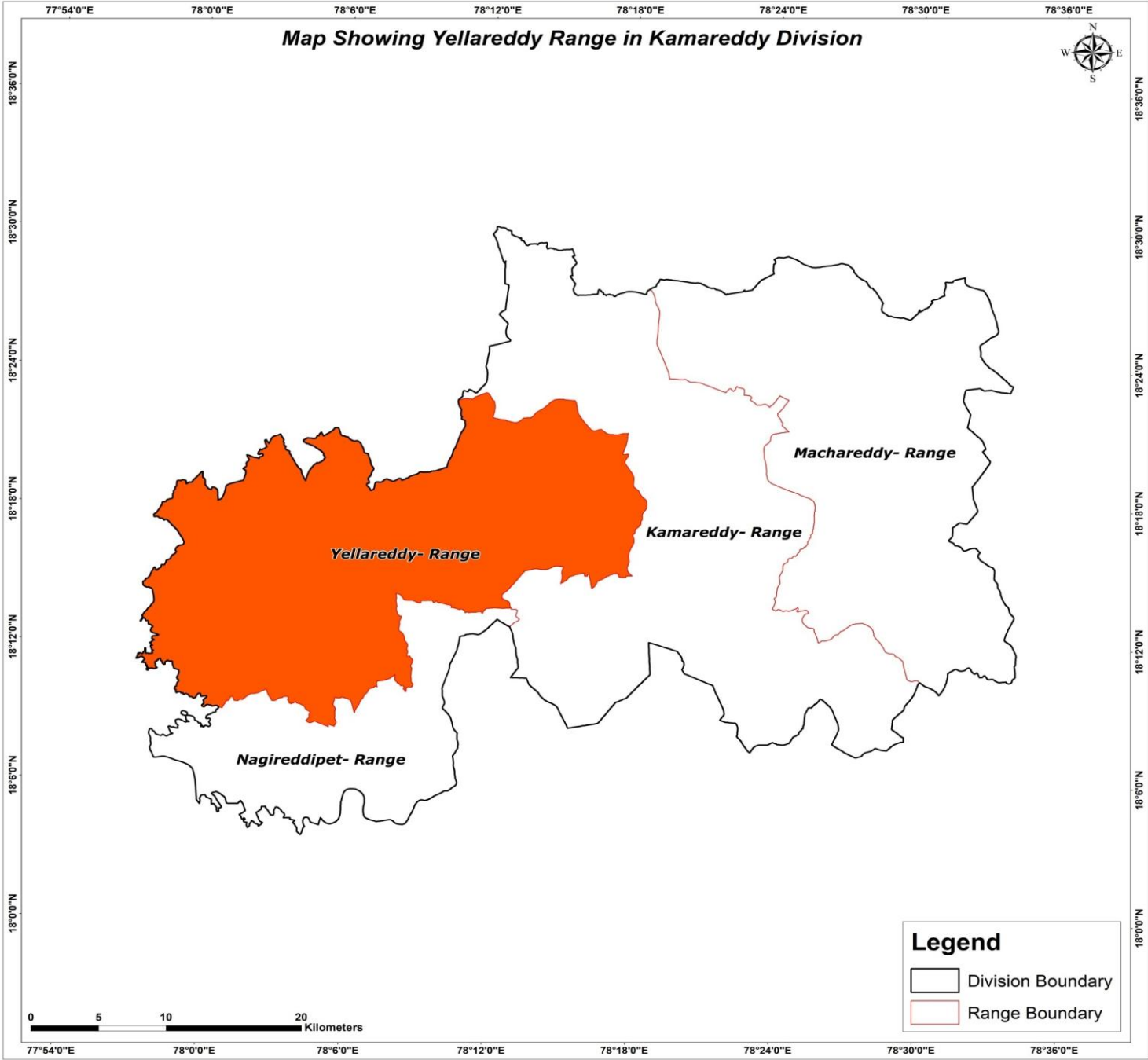


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
481	18.21979	78.15605	7.34	I
482	18.20571	78.158209	12.04	II
483	18.207546	78.159604	7.33	II
484	18.206381	78.16274	7.74	II
485	18.201516	78.151637	8.42	II
486	18.224595	78.162547	21.04	II
487	18.192711	78.148158	20.63	II
488	18.196438	78.148344	14.16	II

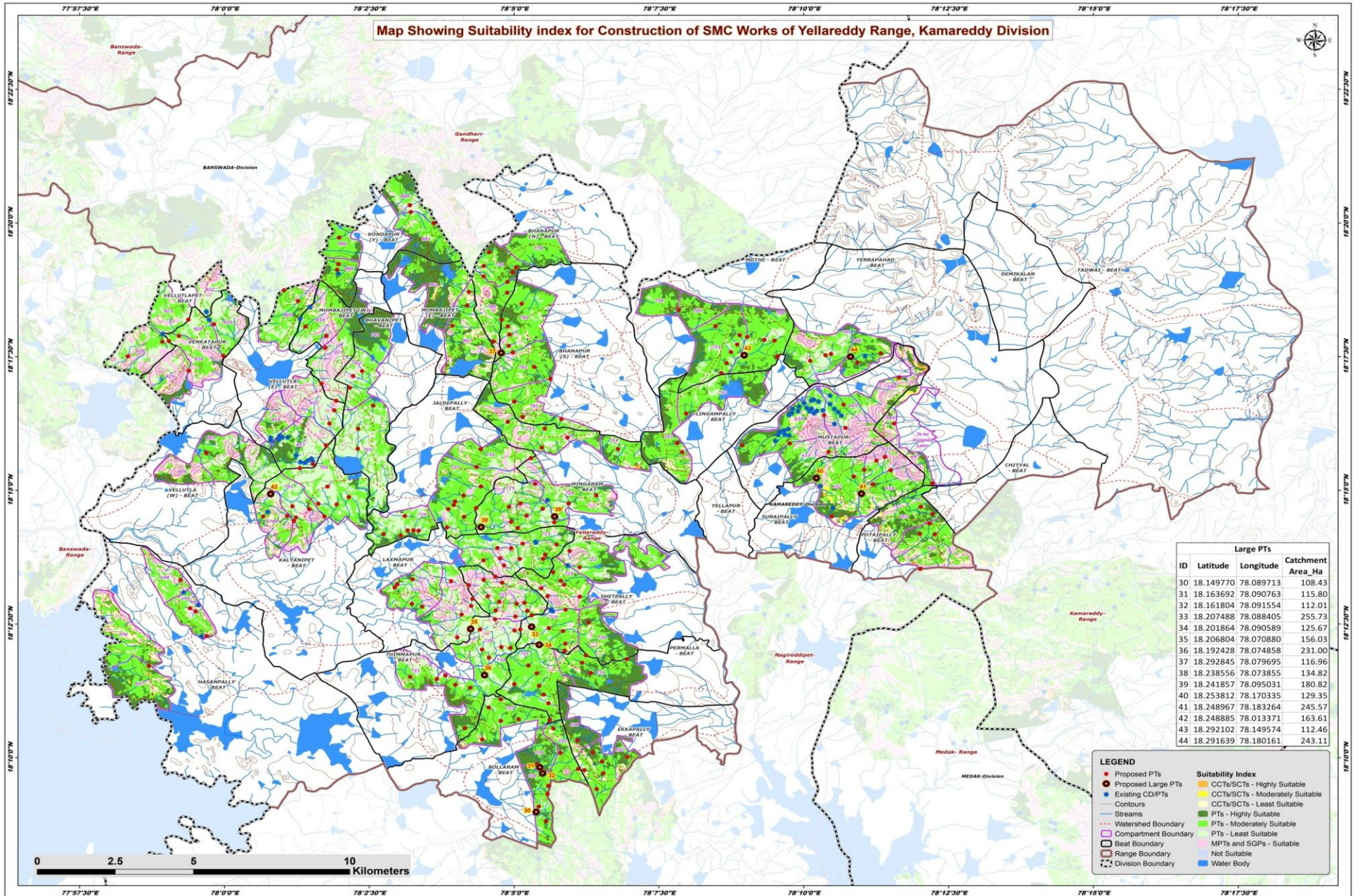
## LEGEND

- 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 Yellareddy Range in Kamareddy Division

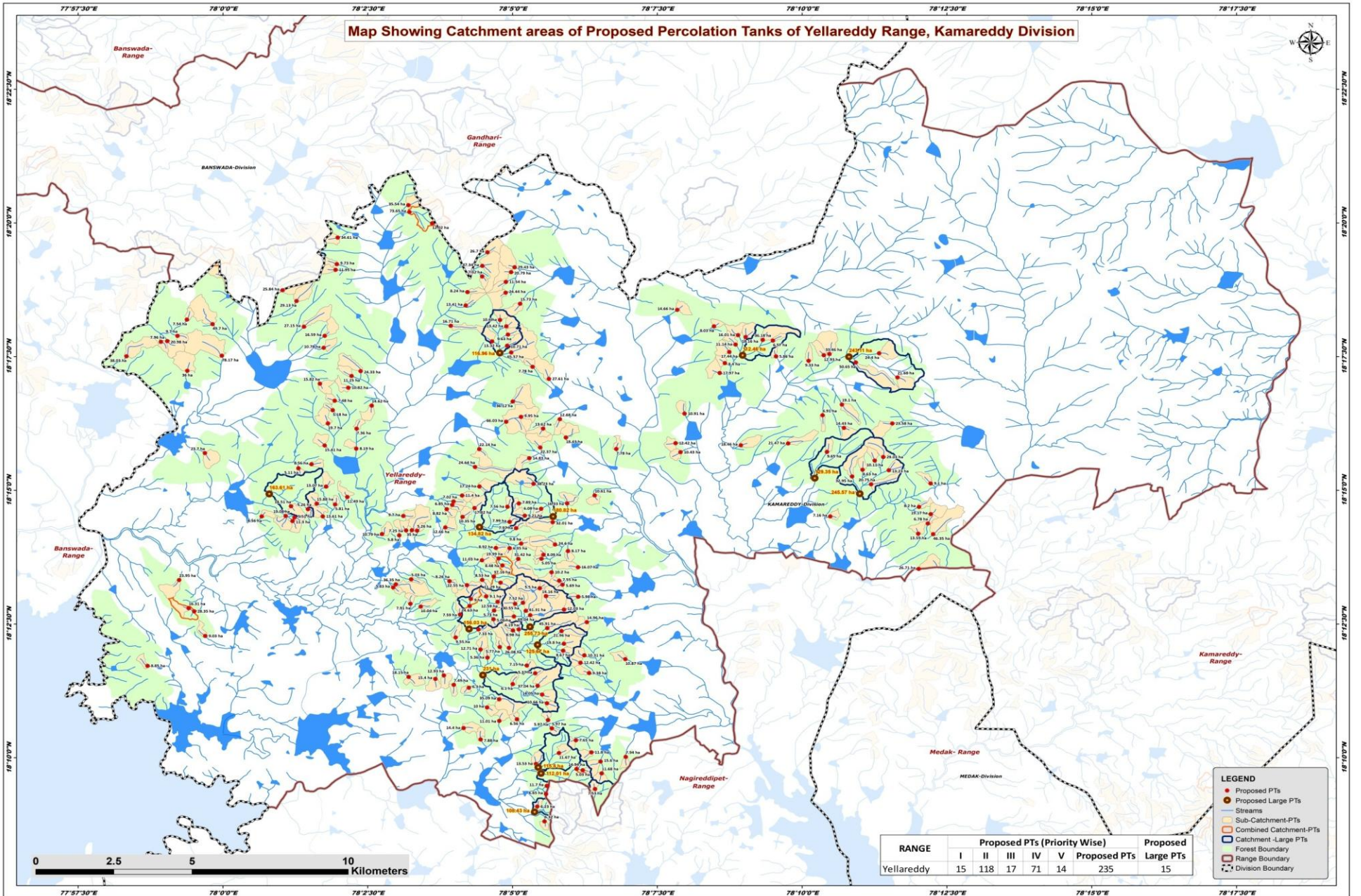


Map Showing Suitability index for Construction of SMC Works of Yellareddy Range, Kamareddy Division



0 2.5 5 10 Kilometers

Map Showing Catchment areas of Proposed Percolation Tanks of Yellareddy Range, Kamareddy Division



0 2.5 5 10 Kilometers

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

S. No.	Beat	Proposed PT's
1	BHANAPUR_N	8
2	BHANAPUR_S	11
3	BHAVANIPET	6
4	BOLLARAM	13
5	EKKAPALLY	7
6	HASANPALLY	5
7	JALDEPALLY	16
8	KALYANIPET	12
9	KONDAPUR_Y	6
10	LAXMAPUR	20
11	LINGAMPALLY	3
12	MINGARAM	16
13	MOMBAJIPET_E	3
14	MOMBAJIPET_W	5
15	MOTHE	11
16	MUSTAPUR	7
17	PERMALLA	11
18	POTAIPALLY	6
19	SHETPALLY	16
20	SURAIPALLY	7
21	THIMMAPUR	24
22	VELLUTLA (E)	6
23	VELLUTLA (W)	1
24	VELLUTLAPET	3
25	VENKATAPUR	5
26	YERRAPAHAD	7
	<b>Total</b>	<b>235</b>

## List of Proposed PTs – Yellareddy 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
489	18.164727	78.090115	13.53	I	BOLLARAM	529	18.186351	78.091878	14.05	II	PERMALLA	569	18.216975	78.075794	9.10	IV	THIMMAPUR
490	18.146820	78.092574	6.32	I	BOLLARAM	530	18.195416	78.087458	7.15	II	PERMALLA	570	18.192315	78.063613	12.93	IV	THIMMAPUR
491	18.155367	78.093017	6.65	II	BOLLARAM	531	18.196275	78.102912	12.42	II	PERMALLA	571	18.206661	78.073559	7.33	IV	THIMMAPUR
492	18.168130	78.096727	11.67	II	BOLLARAM	532	18.192964	78.089904	5.37	II	PERMALLA	572	18.215243	78.079088	12.59	IV	THIMMAPUR
493	18.172348	78.074180	7.88	II	BOLLARAM	533	18.193041	78.105414	9.38	II	PERMALLA	573	18.200385	78.074167	12.71	IV	THIMMAPUR
494	18.178656	78.084643	6.56	II	BOLLARAM	534	18.198573	78.104021	10.31	II	PERMALLA	574	18.191246	78.061178	15.40	IV	THIMMAPUR
495	18.175821	78.094659	5.97	II	BOLLARAM	535	18.178403	78.093580	5.97	II	PERMALLA	575	18.210691	78.083781	15.33	IV	THIMMAPUR
496	18.184884	78.079526	35.09	III	BOLLARAM	536	18.197403	78.115827	10.87	II	PERMALLA	576	18.206333	78.083496	8.98	IV	THIMMAPUR
497	18.163179	78.101787	14.94	IV	BOLLARAM	537	18.189077	78.090568	37.04	III	PERMALLA	577	18.222086	78.074622	8.53	IV	THIMMAPUR
498	18.182339	78.076021	10.00	IV	BOLLARAM	538	18.183654	78.093244	10.66	IV	PERMALLA	578	18.221213	78.079910	11.29	IV	THIMMAPUR
499	18.151457	78.090481	6.23	IV	BOLLARAM	539	18.189626	78.083410	6.10	IV	PERMALLA	579	18.223145	78.077963	37.16	V	THIMMAPUR
500	18.157896	78.093227	11.70	IV	BOLLARAM	540	18.208945	78.104765	14.96	I	SHETPALLY	580	18.318020	78.082929	20.79	I	BHANAPUR_N
501	18.178158	78.079562	11.01	IV	BOLLARAM	541	18.206136	78.097450	21.96	II	SHETPALLY	581	18.314983	78.081456	11.54	II	BHANAPUR_N
502	18.172130	78.101621	7.65	I	EKKAPALLY	542	18.216838	78.102276	5.98	II	SHETPALLY	582	18.311619	78.081399	24.44	II	BHANAPUR_N
503	18.168356	78.106073	11.80	I	EKKAPALLY	543	18.231119	78.099322	8.17	II	SHETPALLY	583	18.324187	78.076147	26.70	II	BHANAPUR_N
504	18.166930	78.115915	7.94	I	EKKAPALLY	544	18.226046	78.102224	16.07	II	SHETPALLY	584	18.296419	78.077492	13.32	II	BHANAPUR_N
505	18.156903	78.107121	7.53	II	EKKAPALLY	545	18.202199	78.098138	19.80	II	SHETPALLY	585	18.319549	78.083940	29.43	II	BHANAPUR_N
506	18.161796	78.109032	11.68	II	EKKAPALLY	546	18.212843	78.098189	12.03	II	SHETPALLY	586	18.316662	78.074640	7.32	II	BHANAPUR_N
507	18.165498	78.108698	15.60	II	EKKAPALLY	547	18.224488	78.094588	10.20	II	SHETPALLY	587	18.319954	78.074656	47.34	III	BHANAPUR_N
508	18.162789	78.103574	5.03	IV	EKKAPALLY	548	18.221840	78.096798	7.55	II	SHETPALLY	588	18.288504	78.089133	7.78	I	BHANAPUR_S
509	18.229933	78.092287	8.09	I	LAXMAPUR	549	18.220611	78.097739	5.69	II	SHETPALLY	589	18.272921	78.085805	9.95	II	BHANAPUR_S
510	18.222292	78.054203	5.03	II	LAXMAPUR	550	18.200035	78.097920	8.67	II	SHETPALLY	590	18.303114	78.079748	10.60	II	BHANAPUR_S
511	18.228215	78.074542	11.03	II	LAXMAPUR	551	18.211091	78.088457	69.04	IV	SHETPALLY	591	18.301122	78.081570	13.42	II	BHANAPUR_S
512	18.228687	78.091697	5.05	II	LAXMAPUR	552	18.219509	78.091185	5.50	IV	SHETPALLY	592	18.295091	78.081832	10.71	II	BHANAPUR_S
513	18.219745	78.049021	5.83	II	LAXMAPUR	553	18.206665	78.085148	6.19	IV	SHETPALLY	593	18.308178	78.085567	15.73	II	BHANAPUR_S
514	18.231958	78.082534	6.35	IV	LAXMAPUR	554	18.217040	78.092984	14.16	IV	SHETPALLY	594	18.298560	78.082050	9.63	II	BHANAPUR_S
515	18.216152	78.071372	9.00	IV	LAXMAPUR	555	18.207039	78.093375	45.91	V	SHETPALLY	595	18.272175	78.096989	12.68	II	BHANAPUR_S
516	18.213947	78.071013	24.63	IV	LAXMAPUR	556	18.189386	78.066440	7.49	II	THIMMAPUR	596	18.277690	78.083420	36.12	III	BHANAPUR_S
517	18.214660	78.053992	7.91	IV	LAXMAPUR	557	18.212558	78.078067	5.73	II	THIMMAPUR	597	18.284754	78.093825	27.61	III	BHANAPUR_S
518	18.211292	78.068274	7.59	IV	LAXMAPUR	558	18.175897	78.069262	14.40	II	THIMMAPUR	598	18.292974	78.082967	65.57	IV	BHANAPUR_S
519	18.204161	78.066998	9.55	IV	LAXMAPUR	559	18.191859	78.053462	18.15	II	THIMMAPUR	599	18.244483	78.072412	17.82	II	MINGARAM
520	18.226606	78.080456	8.48	IV	LAXMAPUR	560	18.197846	78.076152	5.36	II	THIMMAPUR	600	18.269246	78.092155	13.62	II	MINGARAM
521	18.233427	78.085850	9.80	IV	LAXMAPUR	561	18.188479	78.070809	6.30	II	THIMMAPUR	601	18.240168	78.082526	7.99	II	MINGARAM
522	18.221691	78.065208	8.26	IV	LAXMAPUR	562	18.214659	78.084100	30.55	III	THIMMAPUR	602	18.245947	78.085189	7.89	II	MINGARAM
523	18.228794	78.079349	19.99	IV	LAXMAPUR	563	18.200918	78.082325	26.08	III	THIMMAPUR	603	18.263362	78.091335	22.37	II	MINGARAM
524	18.232035	78.078587	8.92	IV	LAXMAPUR	564	18.214983	78.086350	7.52	IV	THIMMAPUR	604	18.248409	78.107013	10.61	II	MINGARAM
525	18.213759	78.056940	10.04	IV	LAXMAPUR	565	18.201139	78.079699	5.77	IV	THIMMAPUR	605	18.238228	78.084379	7.97	II	MINGARAM
526	18.233130	78.095616	24.60	IV	LAXMAPUR	566	18.212472	78.087189	61.31	IV	THIMMAPUR	606	18.262885	78.113223	7.78	II	MINGARAM
527	18.220715	78.049775	36.35	V	LAXMAPUR	567	18.220470	78.070237	22.55	IV	THIMMAPUR	607	18.245930	78.099082	16.33	II	MINGARAM
528	18.228624	78.085007	31.42	V	LAXMAPUR	568	18.209832	78.077869	5.06	IV	THIMMAPUR	608	18.244875	78.081888	7.56	II	MINGARAM

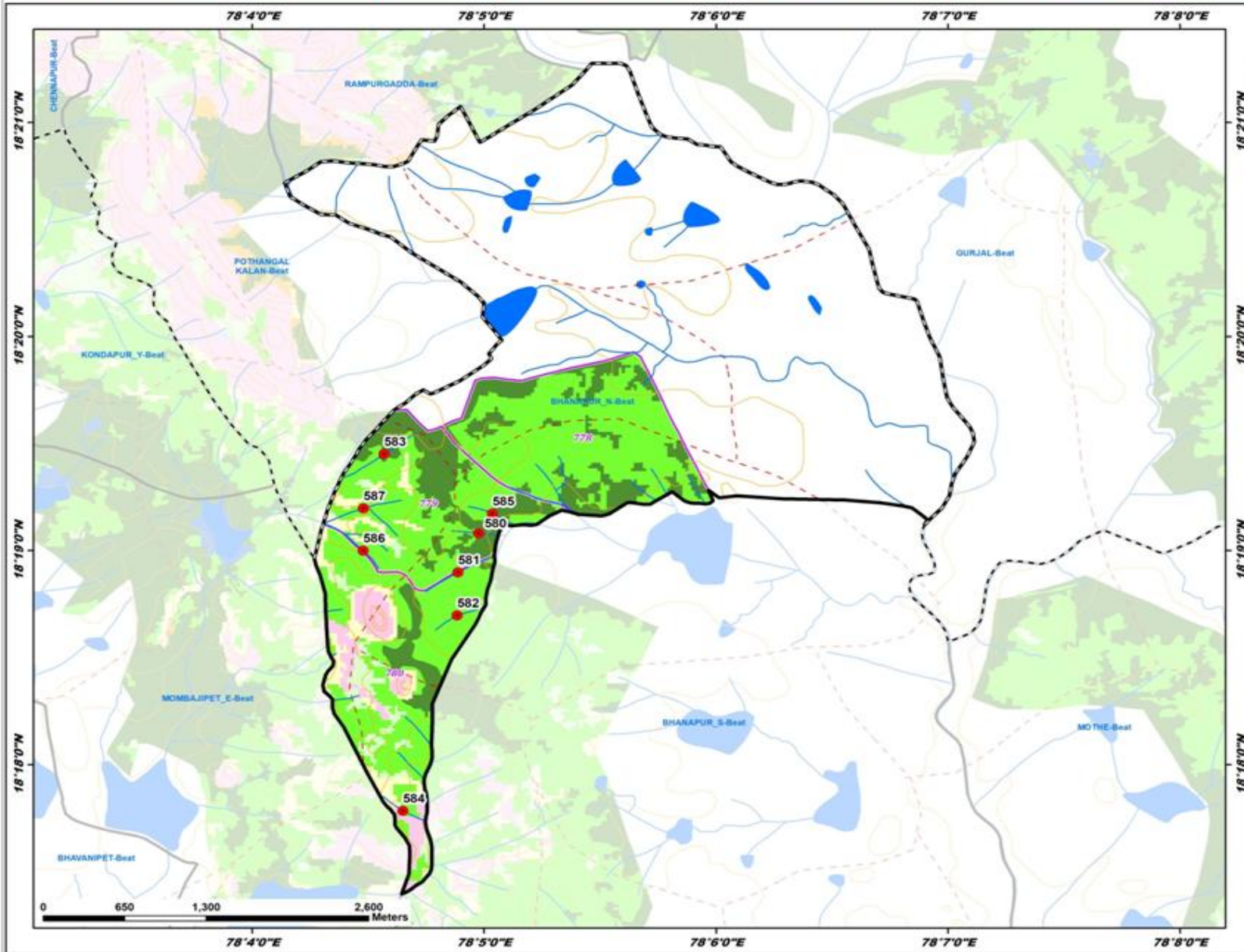
## List of Proposed PTs – Yellareddy Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
609	18.240080	78.094909	32.01	III	MINGARAM	649	18.296321	77.982180	7.96	II	VELLUTLAPET	689	18.247924	78.035820	11.49	II	KALYANIPET
610	18.266489	78.098705	18.43	IV	MINGARAM	650	18.296536	77.984026	20.98	II	VELLUTLAPET	690	18.241882	78.028781	13.61	IV	KALYANIPET
611	18.244261	78.091596	6.08	IV	MINGARAM	651	18.291777	77.972277	38.03	V	VELLUTLAPET	691	18.241565	78.020633	5.51	IV	KALYANIPET
612	18.242084	78.086881	9.21	IV	MINGARAM	652	18.298170	77.986955	9.70	II	VENKATAPUR	692	18.245860	78.027015	15.88	IV	KALYANIPET
613	18.271390	78.081532	66.03	V	MINGARAM	653	18.287278	77.989773	36.00	III	VENKATAPUR	693	18.245047	78.019627	14.51	IV	KALYANIPET
614	18.252040	78.089410	38.23	V	MINGARAM	654	18.303215	77.989685	7.54	IV	VENKATAPUR	694	18.256900	78.021758	5.11	IV	KALYANIPET
615	18.239683	78.202890	6.78	I	POTAIPALLY	655	18.291954	77.999733	78.17	IV	VENKATAPUR	695	18.251170	78.029698	13.07	IV	KALYANIPET
616	18.242614	78.203696	19.17	I	POTAIPALLY	656	18.301801	77.997035	49.70	V	VENKATAPUR	696	18.264717	78.130302	12.42	I	LINGAMPALLY
617	18.244849	78.200293	8.20	II	POTAIPALLY	657	18.263014	78.038392	8.19	II	BHAVANIPET	697	18.261904	78.131694	10.43	II	LINGAMPALLY
618	18.225535	78.200232	26.71	II	POTAIPALLY	658	18.269215	78.038497	7.36	II	BHAVANIPET	698	18.273919	78.132863	10.91	II	LINGAMPALLY
619	18.236500	78.200096	13.59	II	POTAIPALLY	659	18.276436	78.042831	14.62	II	BHAVANIPET	699	18.291745	78.159174	5.86	I	MOTHE
620	18.236340	78.204400	46.35	III	POTAIPALLY	660	18.281992	78.036108	10.82	IV	BHAVANIPET	700	18.296670	78.158297	6.57	II	MOTHE
621	18.241868	78.174791	7.16	I	SURAIPALLY	661	18.287155	78.039642	24.33	IV	BHAVANIPET	701	18.293115	78.145736	17.44	II	MOTHE
622	18.256401	78.184065	8.63	II	SURAIPALLY	662	18.285634	78.037063	11.25	IV	BHAVANIPET	702	18.301113	78.141325	8.03	II	MOTHE
623	18.251899	78.186533	20.75	II	SURAIPALLY	663	18.204615	77.994960	9.03	I	HASANPALLY	703	18.306257	78.130744	14.66	II	MOTHE
624	18.254326	78.181065	32.95	III	SURAIPALLY	664	18.222066	77.987439	23.95	II	HASANPALLY	704	18.289670	78.144482	8.40	II	MOTHE
625	18.259281	78.187573	10.11	IV	SURAIPALLY	665	18.213274	77.990192	16.31	II	HASANPALLY	705	18.295443	78.147548	11.14	II	MOTHE
626	18.256270	78.191626	13.23	IV	SURAIPALLY	666	18.195306	77.978340	8.85	II	HASANPALLY	706	18.298368	78.148278	16.01	II	MOTHE
627	18.260391	78.190047	29.03	V	SURAIPALLY	667	18.212306	77.991749	28.35	V	HASANPALLY	707	18.286583	78.142970	17.97	II	MOTHE
628	18.318728	78.032445	11.95	II	KONDAPUR_Y	668	18.238430	78.064027	12.66	II	JALDEPALLY	708	18.296909	78.155357	36.18	III	MOTHE
629	18.320496	78.032828	9.73	II	KONDAPUR_Y	669	18.236380	78.045816	10.79	II	JALDEPALLY	709	18.297787	78.150447	18.16	IV	MOTHE
630	18.333253	78.060240	12.02	II	KONDAPUR_Y	670	18.262864	78.073787	22.14	II	JALDEPALLY	710	18.264036	78.149059	18.46	II	MUSTAPUR
631	18.328796	78.033078	34.61	III	KONDAPUR_Y	671	18.235993	78.050774	5.80	II	JALDEPALLY	711	18.285216	78.194120	21.68	II	MUSTAPUR
632	18.336739	78.053671	73.65	V	KONDAPUR_Y	672	18.237428	78.055900	5.26	II	JALDEPALLY	712	18.264636	78.162658	21.47	II	MUSTAPUR
633	18.338895	78.053404	35.54	V	KONDAPUR_Y	673	18.251209	78.073822	17.24	II	JALDEPALLY	713	18.276759	78.178130	19.10	II	MUSTAPUR
634	18.307616	78.069906	13.41	II	MOMBAJIPET_E	674	18.257285	78.072573	24.64	II	JALDEPALLY	714	18.261976	78.173827	9.65	IV	MUSTAPUR
635	18.301317	78.065580	16.71	II	MOMBAJIPET_E	675	18.237516	78.052758	7.25	II	JALDEPALLY	715	18.269491	78.178701	14.43	IV	MUSTAPUR
636	18.311780	78.070378	8.24	II	MOMBAJIPET_E	676	18.241723	78.069001	10.35	II	JALDEPALLY	716	18.273401	78.172572	6.91	IV	MUSTAPUR
637	18.300997	78.023329	27.15	III	MOMBAJIPET_W	677	18.245457	78.066023	6.85	II	JALDEPALLY	717	18.252165	78.203684	9.10	II	YERRAPAHAD
638	18.277947	78.032215	7.48	IV	MOMBAJIPET_W	678	18.244145	78.064416	8.82	II	JALDEPALLY	718	18.290388	78.168538	9.33	II	YERRAPAHAD
639	18.283264	78.027936	15.82	IV	MOMBAJIPET_W	679	18.246546	78.066380	7.02	II	JALDEPALLY	719	18.292717	78.188829	24.40	II	YERRAPAHAD
640	18.294434	78.029037	10.78	IV	MOMBAJIPET_W	680	18.248391	78.068858	11.40	II	JALDEPALLY	720	18.289862	78.182123	50.65	III	YERRAPAHAD
641	18.298174	78.029302	16.59	IV	MOMBAJIPET_W	681	18.260035	78.088188	14.83	II	JALDEPALLY	721	18.292101	78.172944	12.93	IV	YERRAPAHAD
642	18.258166	78.025497	8.56	II	VELLUTLA (E)	682	18.237579	78.054415	35.00	III	JALDEPALLY	722	18.270843	78.192657	23.58	IV	YERRAPAHAD
643	18.312365	78.017192	25.84	III	VELLUTLA (E)	683	18.242022	78.051955	9.70	IV	JALDEPALLY	723	18.292499	78.174516	33.46	V	YERRAPAHAD
644	18.270863	78.030240	19.70	IV	VELLUTLA (E)	684	18.244174	78.024492	5.26	II	KALYANIPET						
645	18.263973	78.029318	15.41	IV	VELLUTLA (E)	685	18.242022	78.018101	19.08	II	KALYANIPET						
646	18.274963	78.031629	5.18	IV	VELLUTLA (E)	686	18.240430	78.020044	11.30	II	KALYANIPET						
647	18.309015	78.021200	29.13	V	VELLUTLA (E)	687	18.245612	78.032313	5.81	II	KALYANIPET						
648	18.261614	77.994829	23.70	II	VELLUTLA (W)	688	18.241887	78.011201	8.56	II	KALYANIPET						

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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
580	18.318020	78.082929	20.79	I
581	18.314983	78.083456	11.54	II
582	18.311619	78.081399	24.44	II
583	18.324187	78.076347	26.70	II
584	18.296419	78.073492	13.32	II
585	18.319549	78.083940	29.43	II
586	18.316662	78.074640	7.32	II
587	18.319954	78.074656	47.34	III

**LEGEND**

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

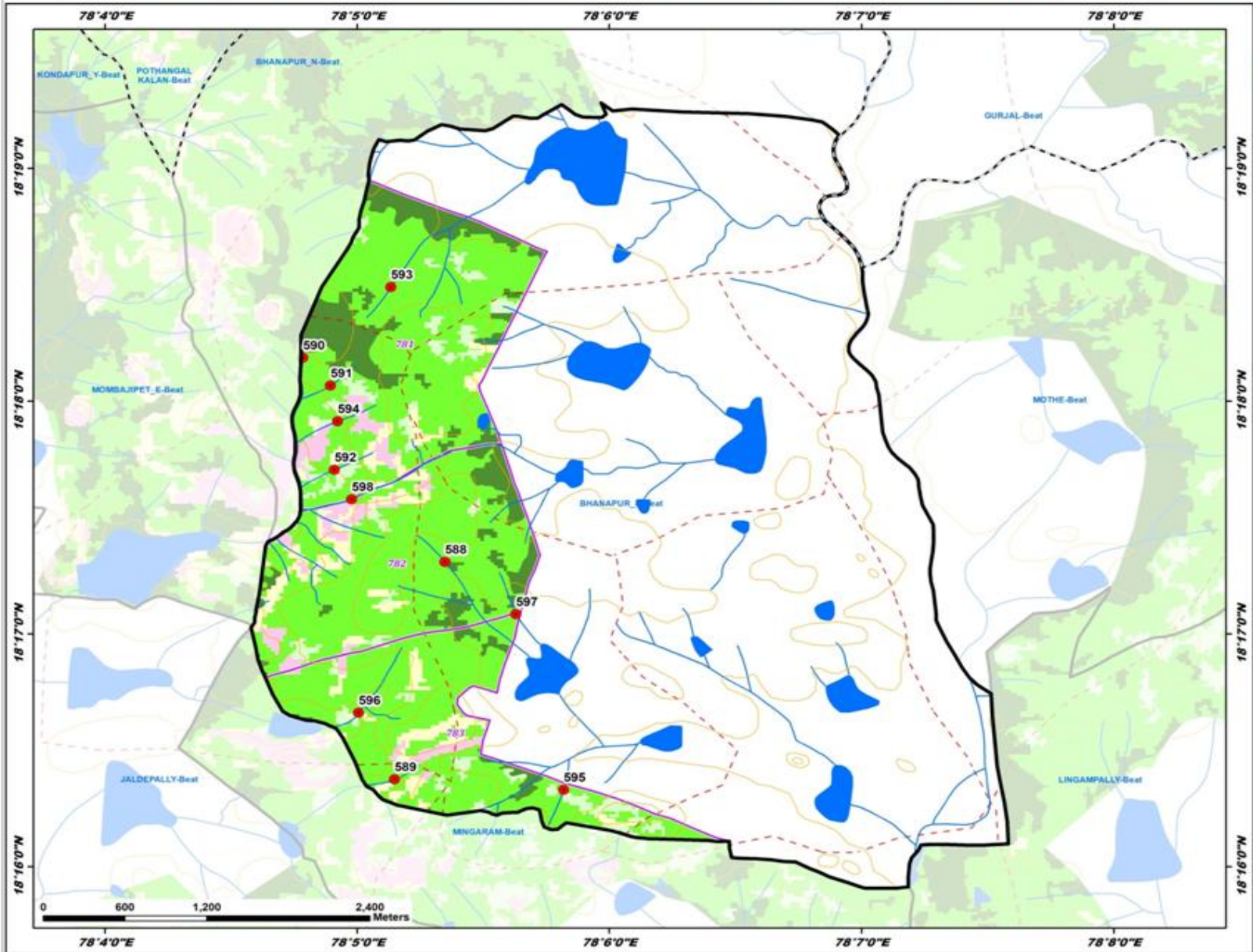
**Suitability Index**

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

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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
588	18.288504	78.089133	7.78	I
589	18.272921	78.085805	8.95	II
590	18.308114	78.079048	10.60	II
591	18.301122	78.081570	13.42	II
592	18.295091	78.081832	10.71	II
593	18.308178	78.085567	15.73	II
594	18.298560	78.082050	9.63	II
595	18.272175	78.096989	12.68	II
596	18.277690	78.083420	36.12	III
597	18.284754	78.093825	27.61	III
598	18.292974	78.082967	65.57	IV

**LEGEND**

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

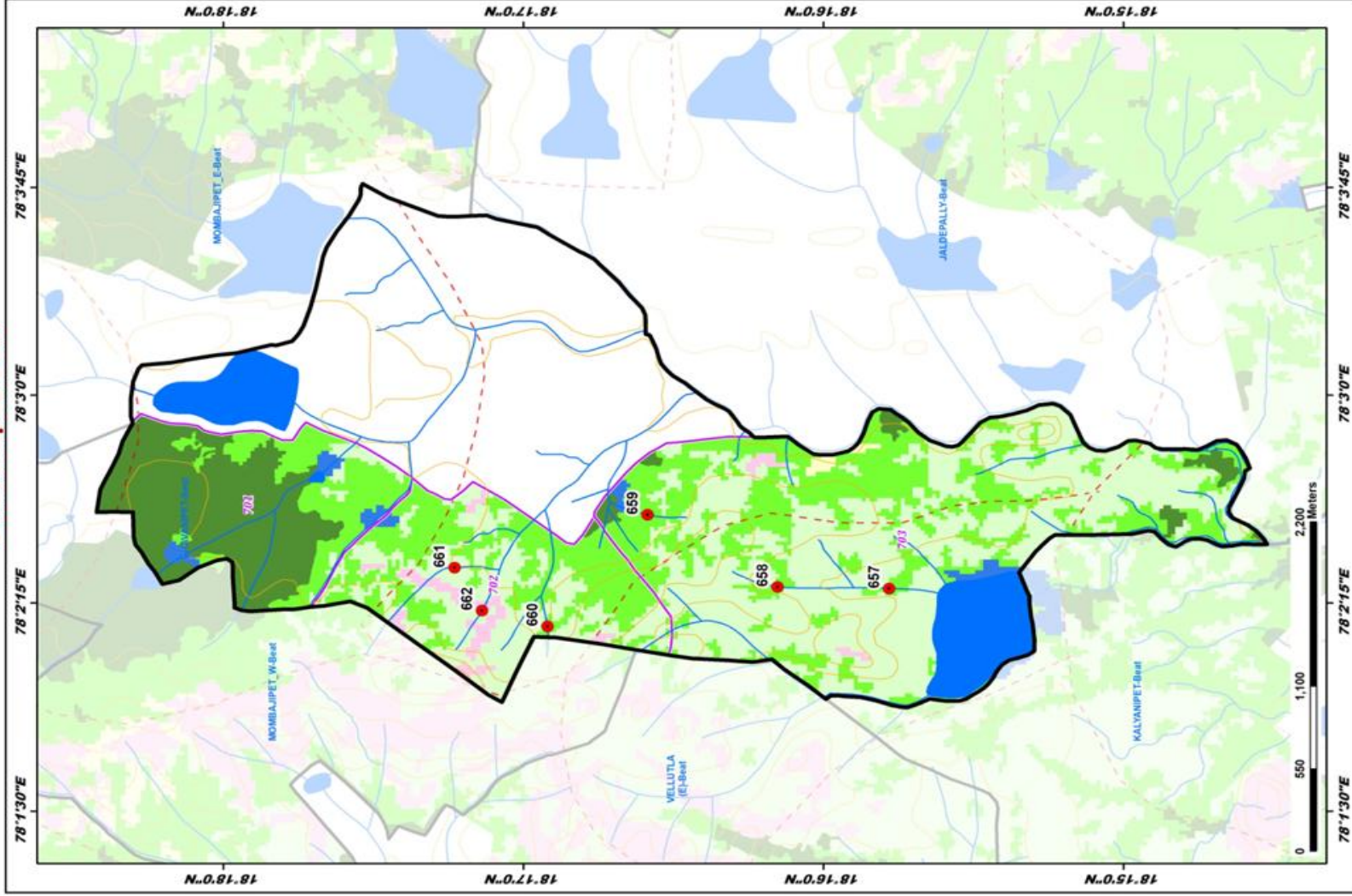
**Suitability Index**

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

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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
657	18.265014	78.038392	8.19	II
658	18.269215	78.038497	7.36	II
659	18.276456	78.042831	14.62	II
660	18.281592	78.036108	10.82	IV
661	18.287155	78.036642	24.33	IV
662	18.285634	78.037063	11.25	IV

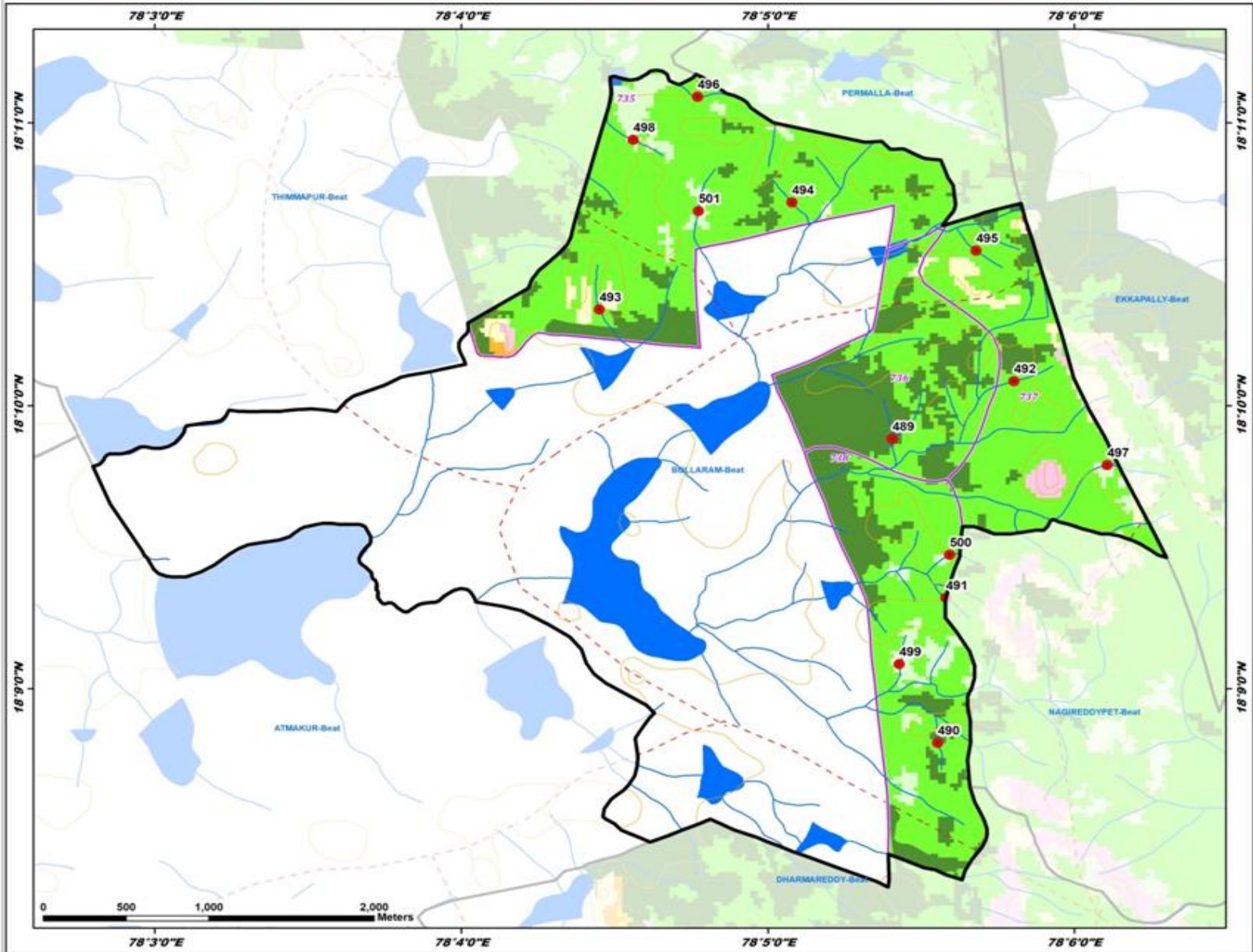
## LEGEND

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

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



Division : Kamareddy  
Range : Yellareddy



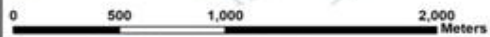
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
489	18.164727	78.090115	13.53	I
490	18.146420	78.092574	6.32	I
491	18.155367	78.093017	6.65	II
492	18.168130	78.096727	11.67	II
493	18.172348	78.074180	7.88	II
494	18.178656	78.084643	6.56	II
495	18.175821	78.094659	5.97	II
496	18.184884	78.079526	35.09	III
497	18.163179	78.101787	14.94	IV
498	18.182339	78.076021	10.00	IV
499	18.151457	78.090481	6.23	IV
500	18.157896	78.093227	11.70	IV
501	18.178158	78.079562	11.01	IV

**LEGEND**

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

**Suitability Index**

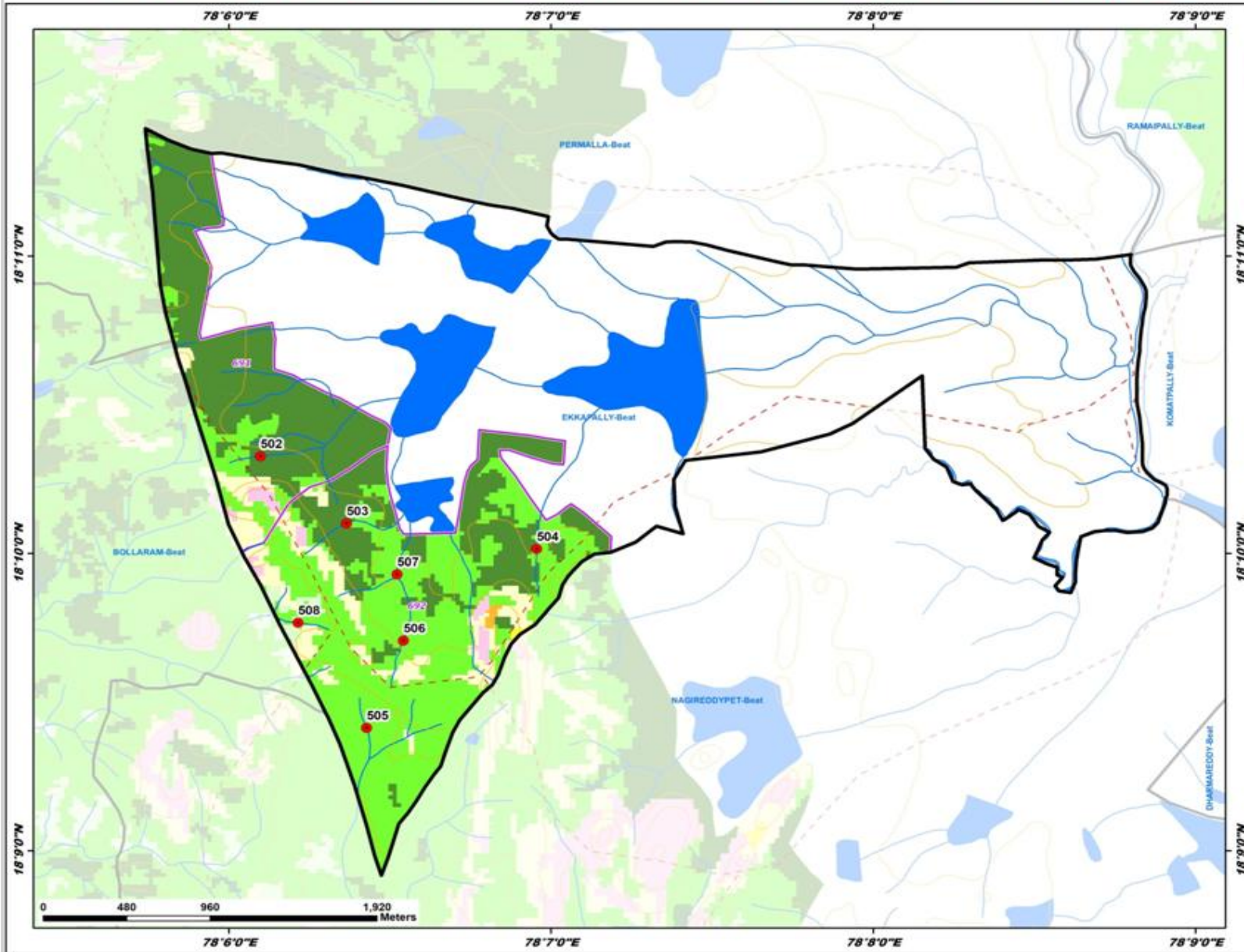
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Kamareddy  
Range : Yellareddy



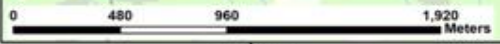
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
502	18.172130	78.101621	7.65	I
503	18.168356	78.106073	11.80	I
504	18.166930	78.115915	7.94	I
505	18.156903	78.107121	7.53	II
506	18.161796	78.109032	11.68	II
507	18.165498	78.108698	15.60	II
508	18.162789	78.103574	5.03	IV

**LEGEND**

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

**Suitability Index**

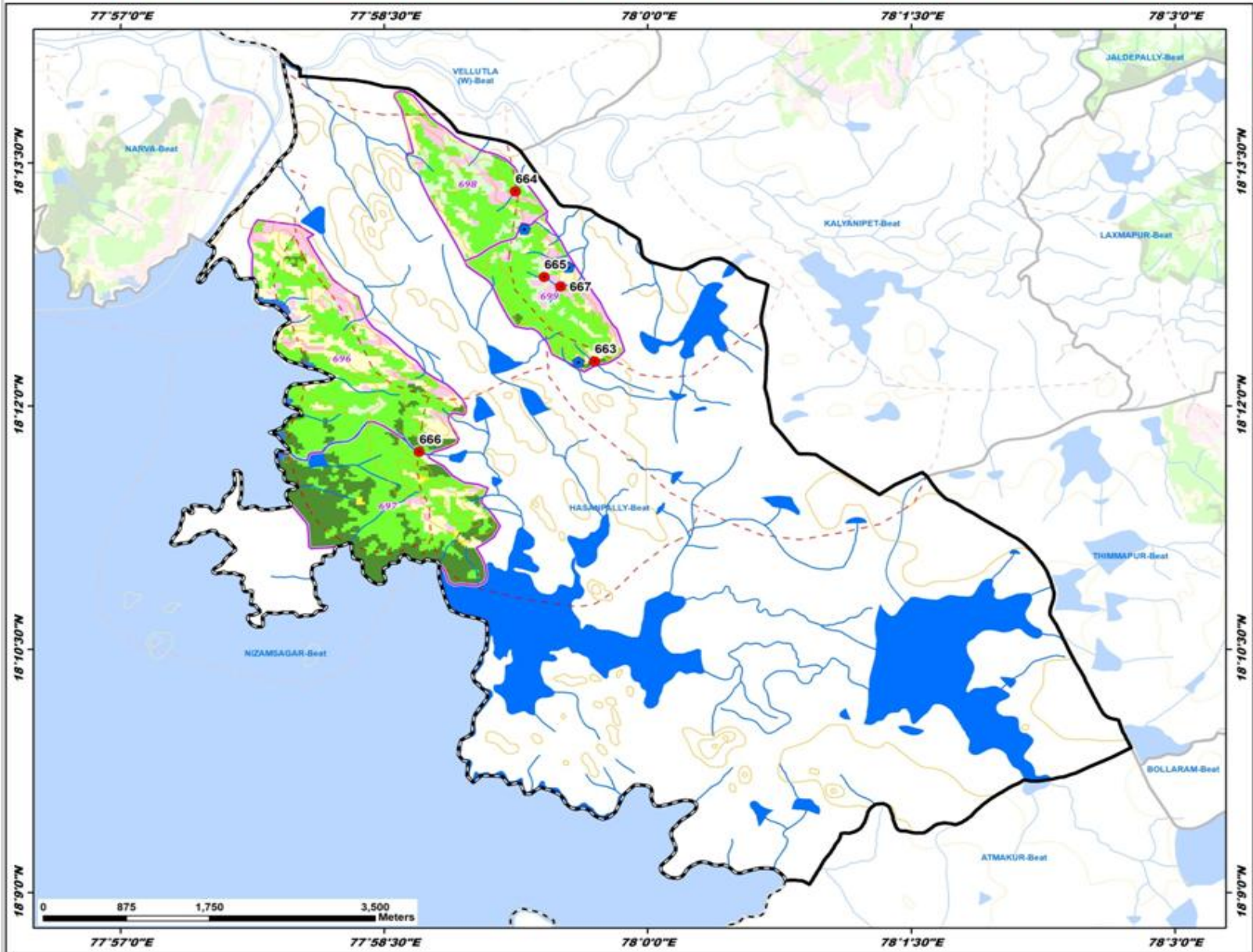
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
663	18.204615	77.994960	9.03	I
664	18.222066	77.987439	23.95	II
665	18.213274	77.990192	16.31	II
666	18.195306	77.978340	8.85	II
667	18.212306	77.991749	28.35	V

**LEGEND**

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

**Suitability Index**

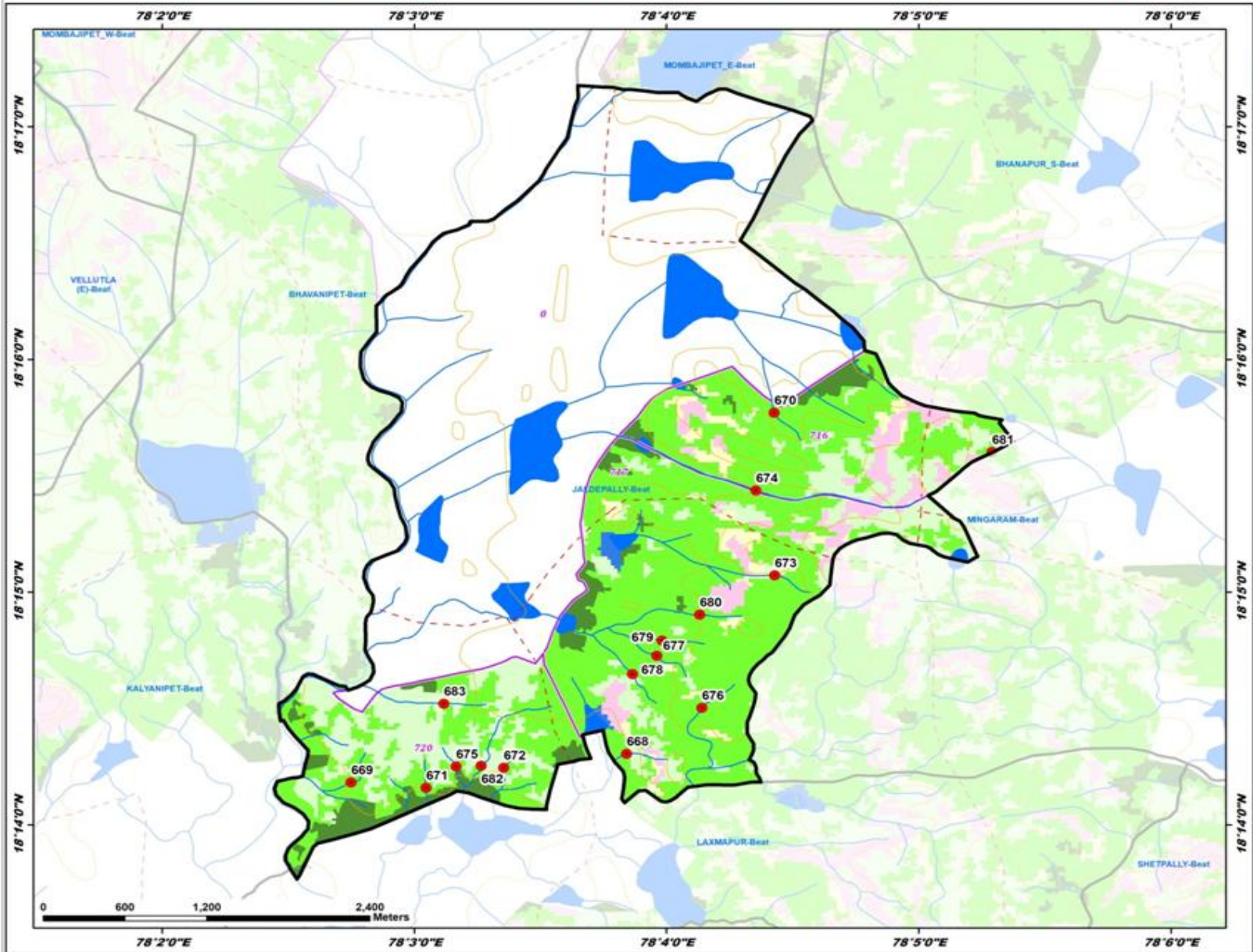
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
668	18.238430	78.064027	12.66	II
669	18.236380	78.045816	10.79	II
670	18.262864	78.073787	22.14	II
671	18.235993	78.050774	5.80	II
672	18.237428	78.055900	5.25	II
673	18.251209	78.073822	17.24	II
674	18.257285	78.072573	24.64	II
675	18.237516	78.052758	7.25	II
676	18.241723	78.069001	10.35	II
677	18.245457	78.066023	6.85	II
678	18.244145	78.064416	8.82	II
679	18.246546	78.066380	7.02	II
680	18.248391	78.068858	11.40	II
681	18.260035	78.088188	14.83	II
682	18.237579	78.054415	35.00	III
683	18.242022	78.051955	9.70	IV

**LEGEND**

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

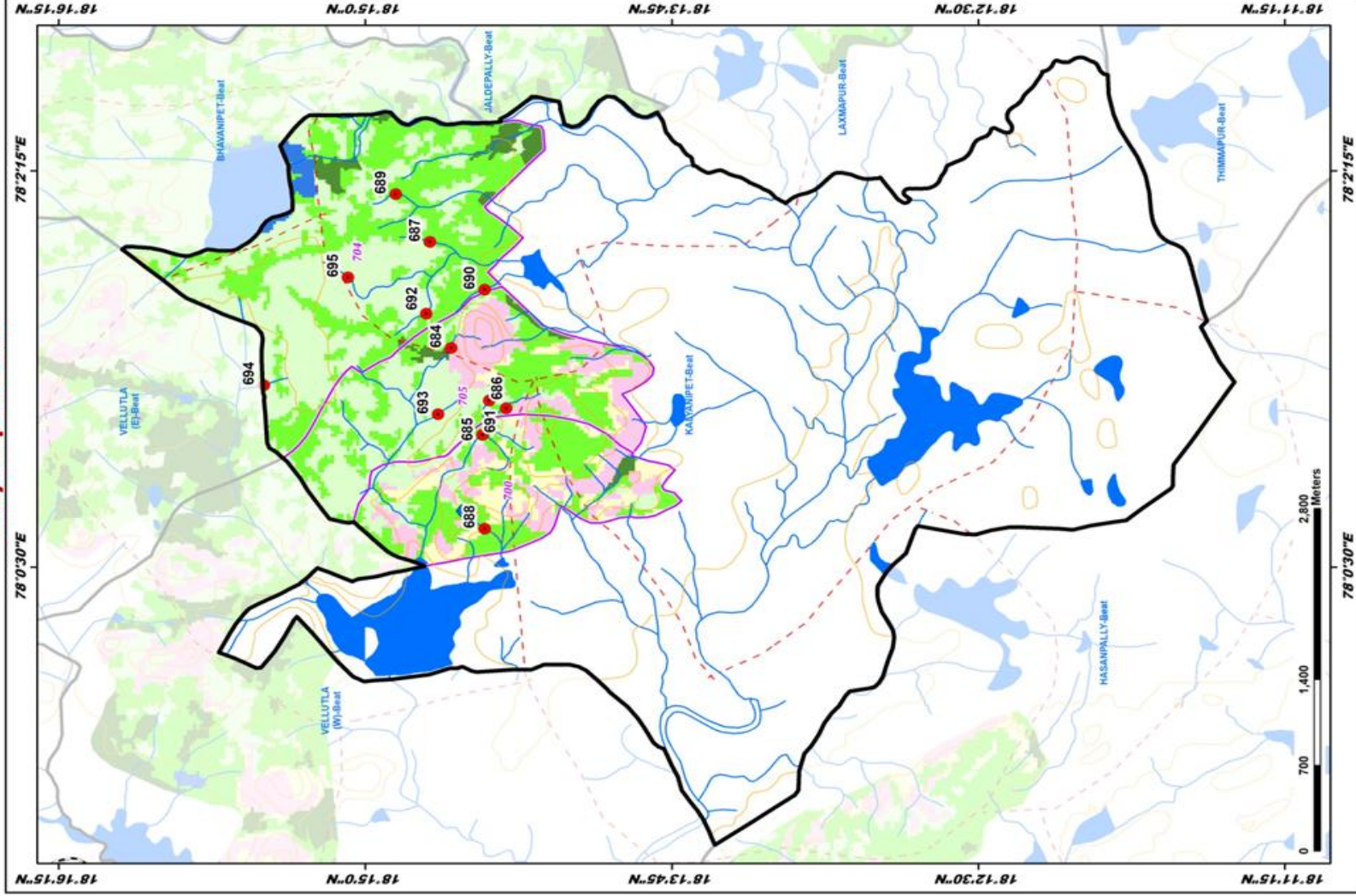
**Suitability Index**

- 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 Kalyanipet Beat



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
684	18.244174	78.024492	5.26	II
685	18.242022	78.018101	19.08	II
686	18.240330	78.020044	11.30	II
687	18.245612	78.023213	5.81	II
688	18.241897	78.011201	8.56	II
689	18.247704	78.035020	11.49	II
690	18.241882	78.028781	13.61	II
691	18.241565	78.020633	5.51	IV
692	18.245960	78.027015	15.88	IV
693	18.245047	78.019627	14.51	IV
694	18.246900	78.021758	5.11	IV
695	18.251170	78.029698	13.07	IV

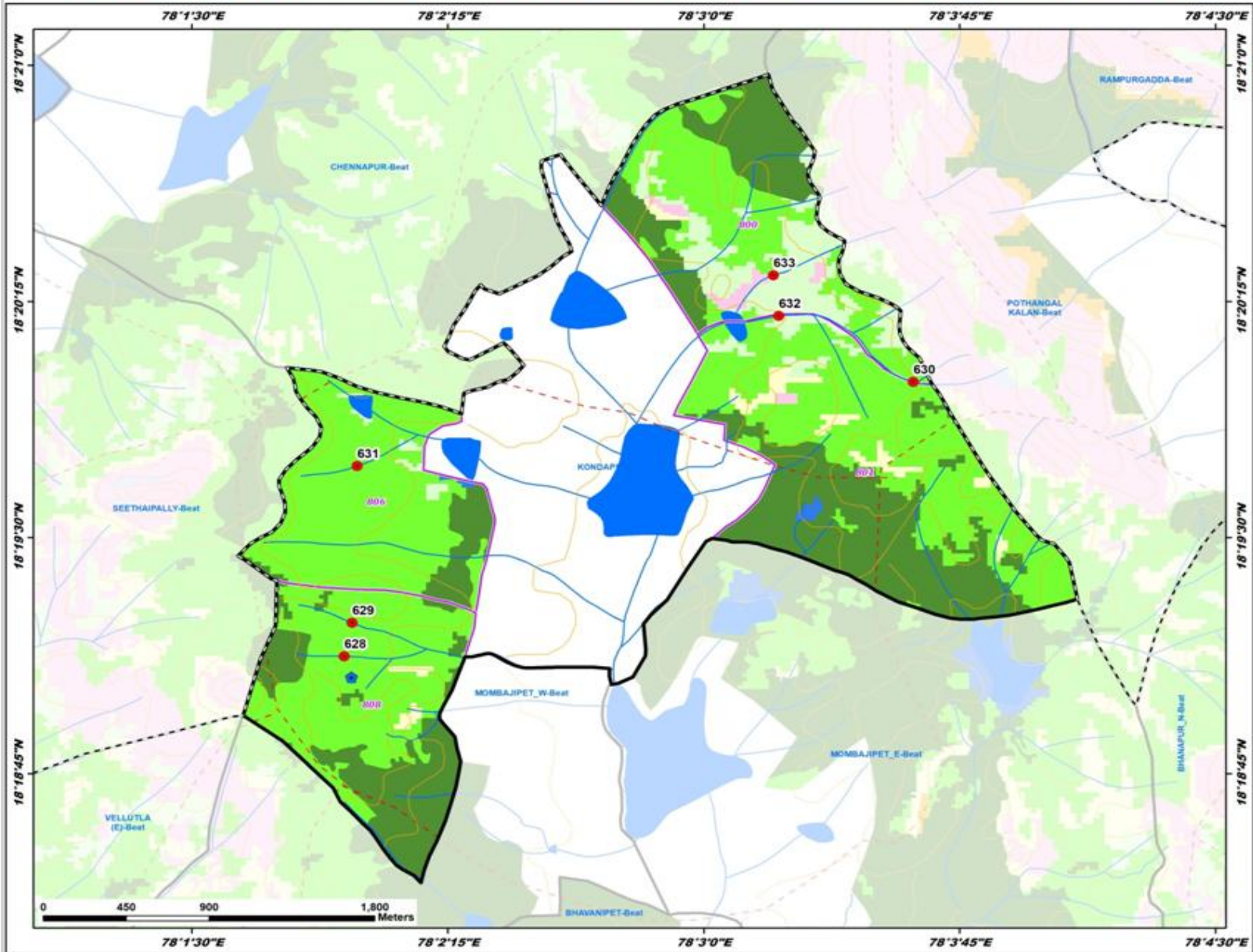
## LEGEND

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

# Map Showing Suitability Index for Construction of SMC Works of Kondapur\_Y Beat



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
628	18.318728	78.032445	11.95	II
629	18.320496	78.032838	9.73	II
630	18.333253	78.060240	12.02	II
631	18.328796	78.033078	34.61	III
632	18.336739	78.053671	73.65	V
633	18.338895	78.053404	35.54	V

**LEGEND**

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

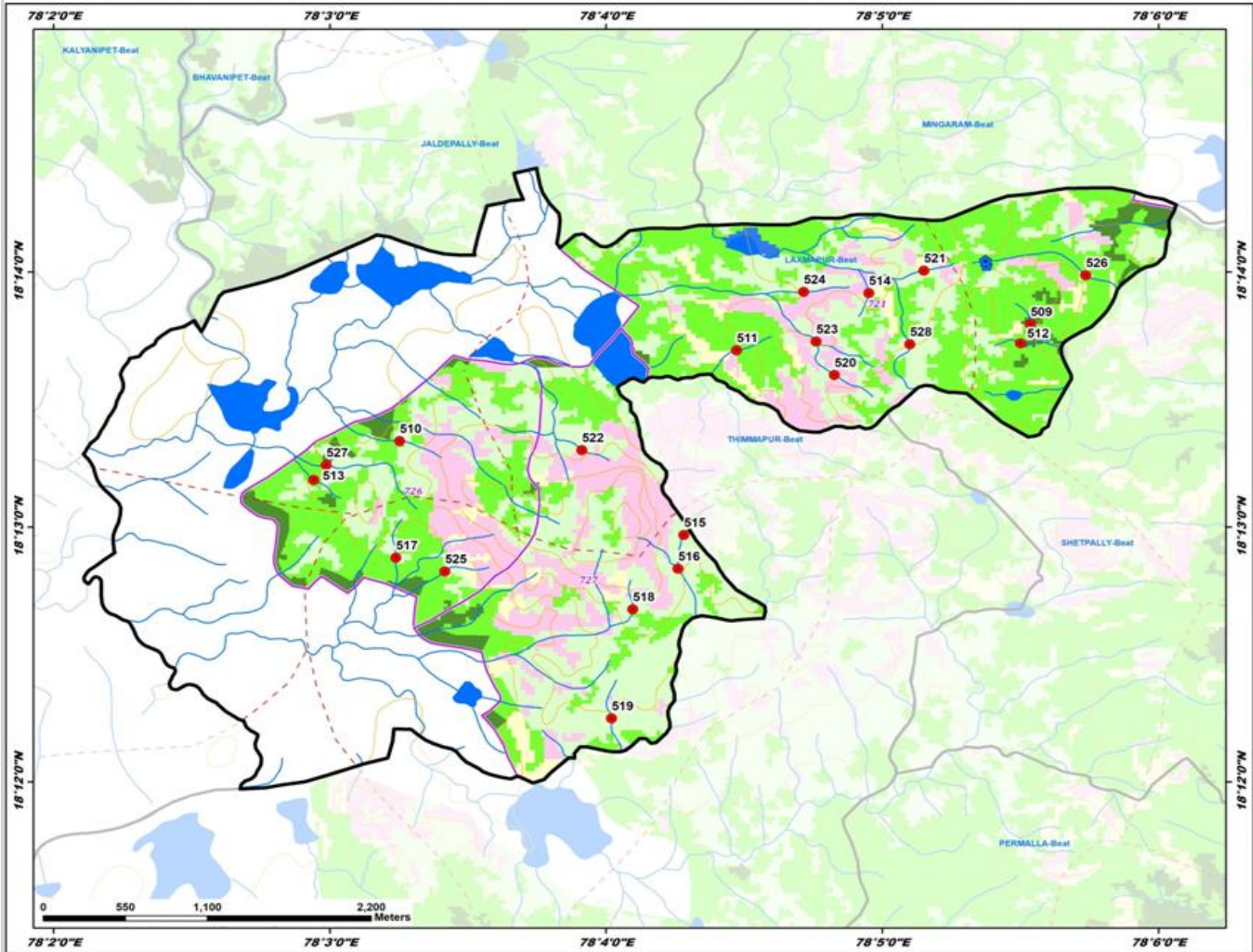
**Suitability Index**

- 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 Laxmapur Beat



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
509	18.229933	78.092287	8.09	I
510	18.222292	78.054203	5.03	II
511	18.228215	78.078542	11.03	II
512	18.226687	78.091697	5.05	II
513	18.219745	78.049021	5.83	II
514	18.231958	78.082534	6.35	IV
515	18.216152	78.071372	9.00	IV
516	18.213947	78.071053	24.63	IV
517	18.214660	78.053992	7.91	IV
518	18.211292	78.068274	7.59	IV
519	18.204161	78.060998	9.55	IV
520	18.226606	78.080456	8.48	IV
521	18.233427	78.085850	9.80	IV
522	18.221691	78.065208	8.26	IV
523	18.228794	78.079349	18.99	IV
524	18.232035	78.078587	8.92	IV
525	18.213759	78.056940	10.04	IV
526	18.233130	78.095616	24.60	IV
527	18.220715	78.049775	36.35	V
528	18.228624	78.085007	31.42	V

**LEGEND**

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

**Suitability Index**

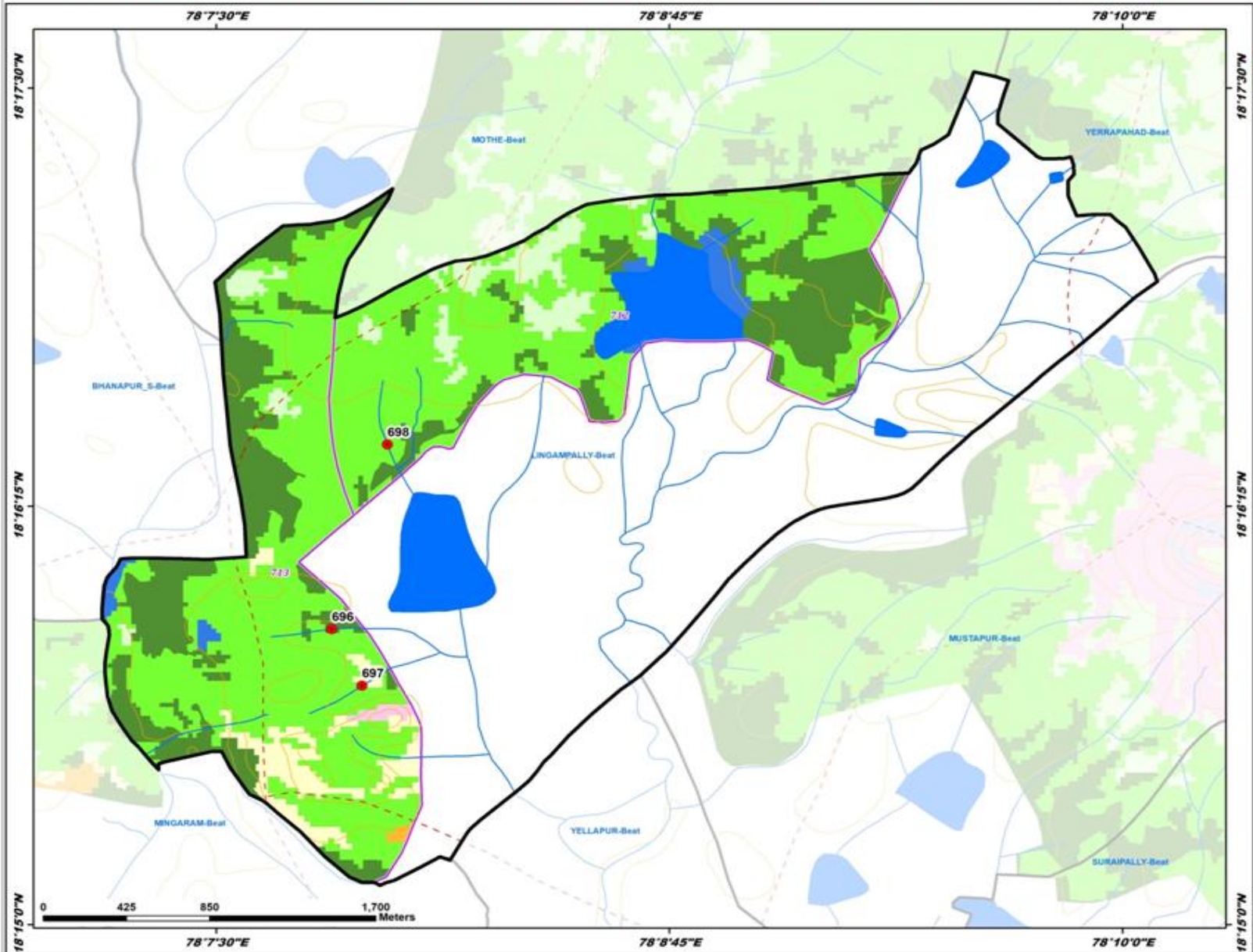
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Kamareddy  
Range : Yellareddy



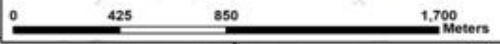
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
696	18.264717	78.130302	12.42	I
697	18.261904	78.131694	10.43	II
698	18.279919	78.132863	10.91	II

**LEGEND**

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

**Suitability Index**

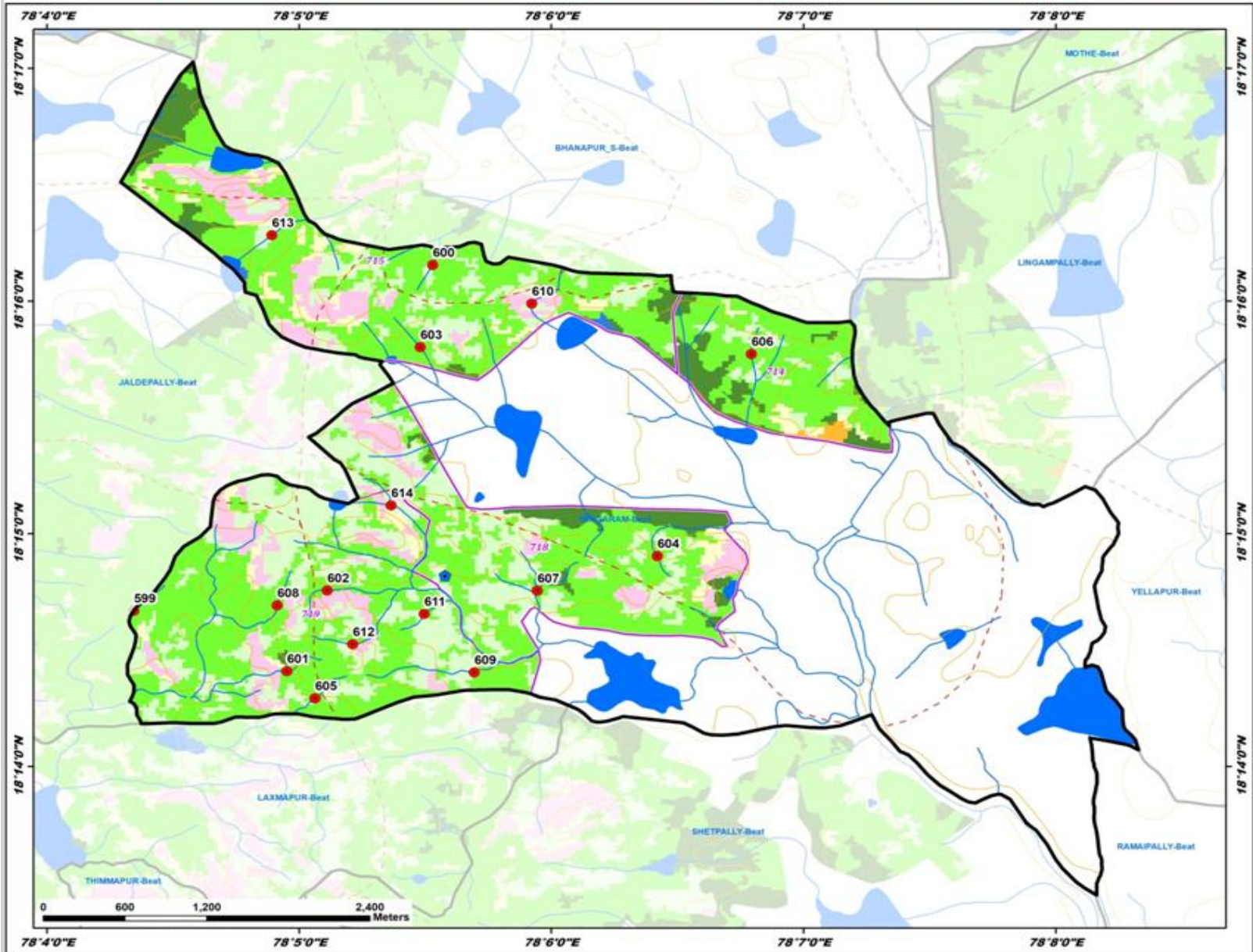
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
599	18.244483	78.072412	17.82	II
600	18.269246	78.092155	13.62	II
601	18.240168	78.082526	7.99	II
602	18.240947	78.085189	7.89	II
603	18.263362	78.091335	22.37	II
604	18.248409	78.107013	10.61	II
605	18.238228	78.084379	7.97	II
606	18.262885	78.113223	7.78	II
607	18.249930	78.099082	16.33	II
608	18.244875	78.081888	7.56	II
609	18.240080	78.094909	32.01	III
610	18.266489	78.098705	18.43	IV
611	18.244261	78.091596	6.08	IV
612	18.242084	78.088881	9.21	IV
613	18.271390	78.081532	66.03	V
614	18.252040	78.089410	38.23	V

**LEGEND**

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

**Suitability Index**

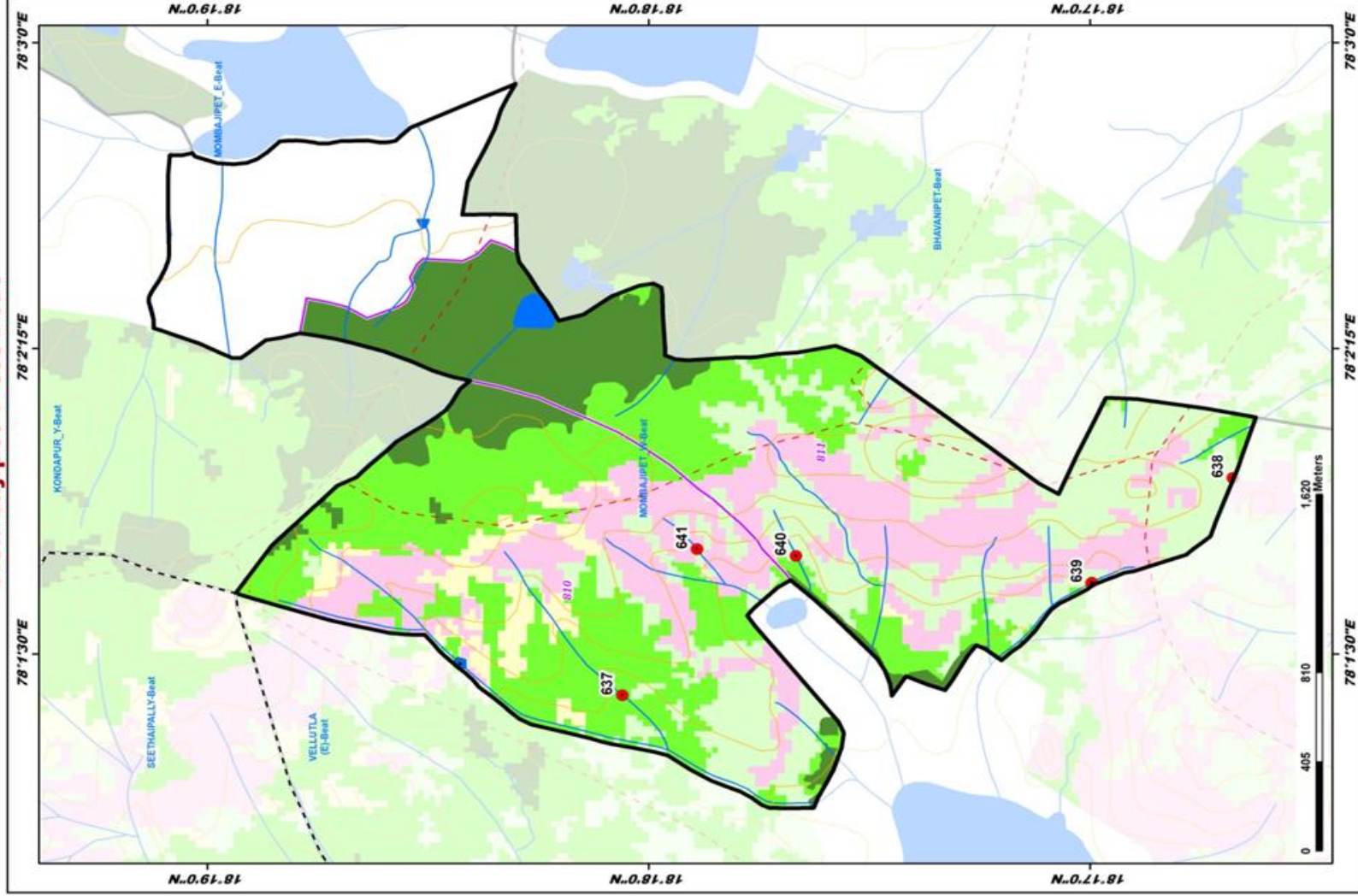
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



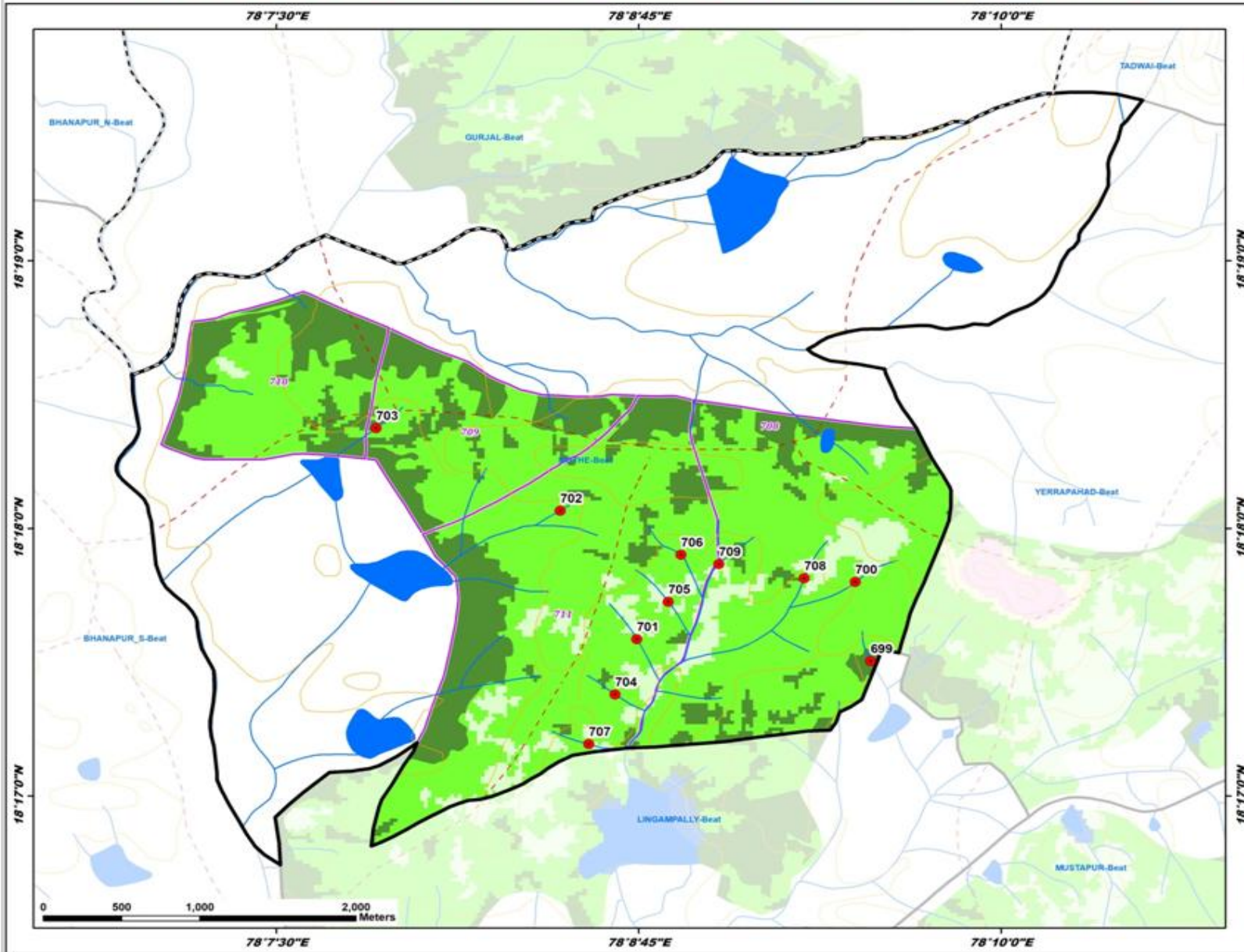
Division : Kamareddy  
Range : Yellareddy



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



Division : Kamareddy  
Range : Yellareddy



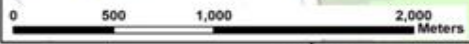
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
699	18.291745	78.159174	5.86	I
700	18.296670	78.158297	6.57	II
701	18.293115	78.145736	17.44	II
702	18.301113	78.141325	8.03	II
703	18.306257	78.130744	14.66	II
704	18.289670	78.144482	8.40	II
705	18.295443	78.147548	11.14	II
706	18.298368	78.148278	16.01	II
707	18.286583	78.142970	17.97	II
708	18.296909	78.155357	36.18	III
709	18.297787	78.150447	18.16	IV

**LEGEND**

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

**Suitability Index**

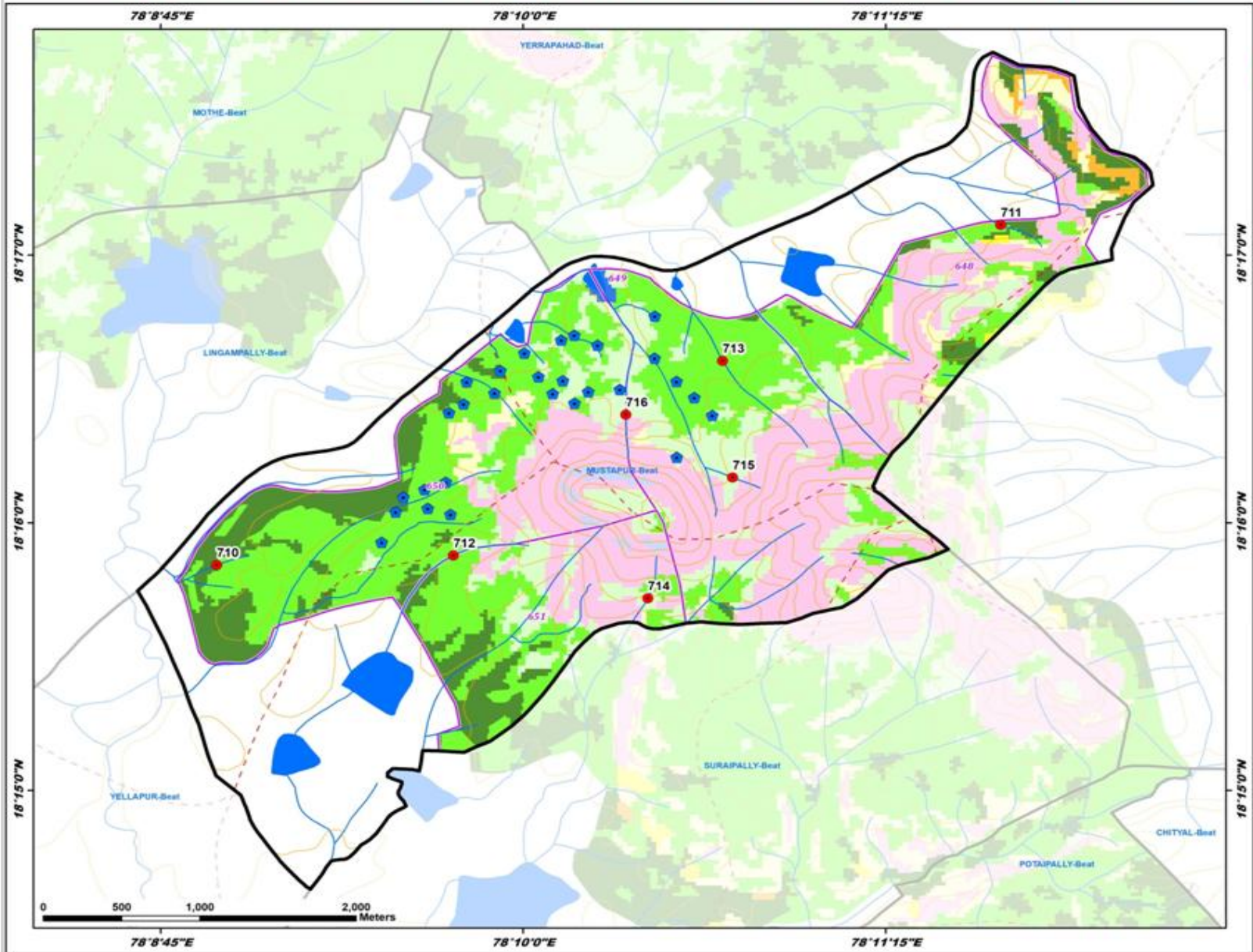
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
710	18.264036	78.149059	18.46	II
711	18.285236	78.194120	21.68	II
712	18.264636	78.162658	21.47	II
713	18.276759	78.178130	19.10	II
714	18.261976	78.173827	9.65	IV
715	18.269491	78.178701	14.43	IV
716	18.273401	78.172572	6.91	IV

**LEGEND**

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

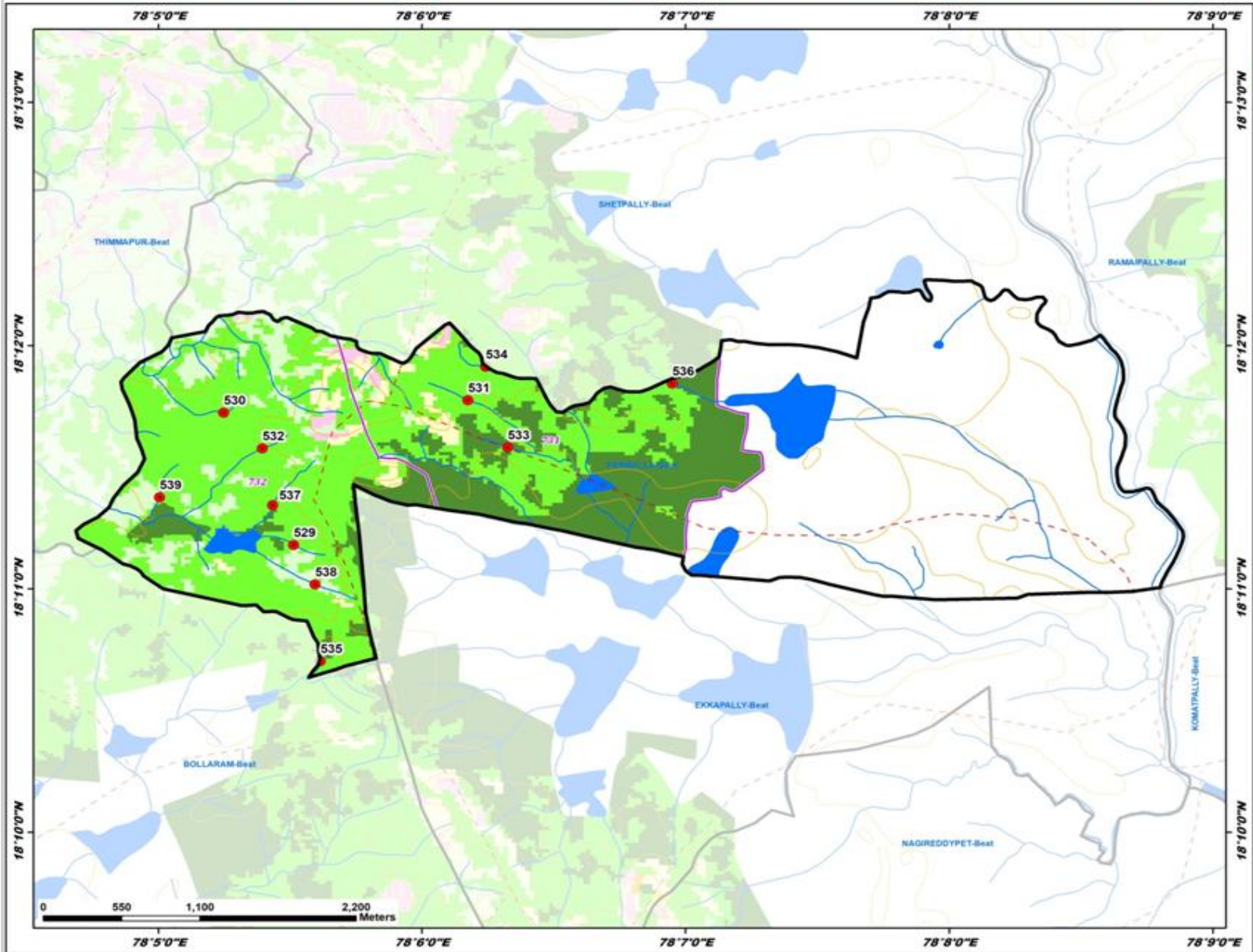
**Suitability Index**

- 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 permalla Beat



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
529	18.186351	78.091878	14.05	II
530	18.195416	78.087458	7.15	II
531	18.196275	78.102912	12.42	II
532	18.192964	78.089904	5.37	II
533	18.193041	78.105414	9.38	II
534	18.198573	78.104021	10.81	II
535	18.178403	78.093580	5.97	II
536	18.197403	78.115827	10.87	II
537	18.189077	78.090568	37.04	III
538	18.183654	78.093244	10.66	IV
539	18.189626	78.083410	6.10	IV

**LEGEND**

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

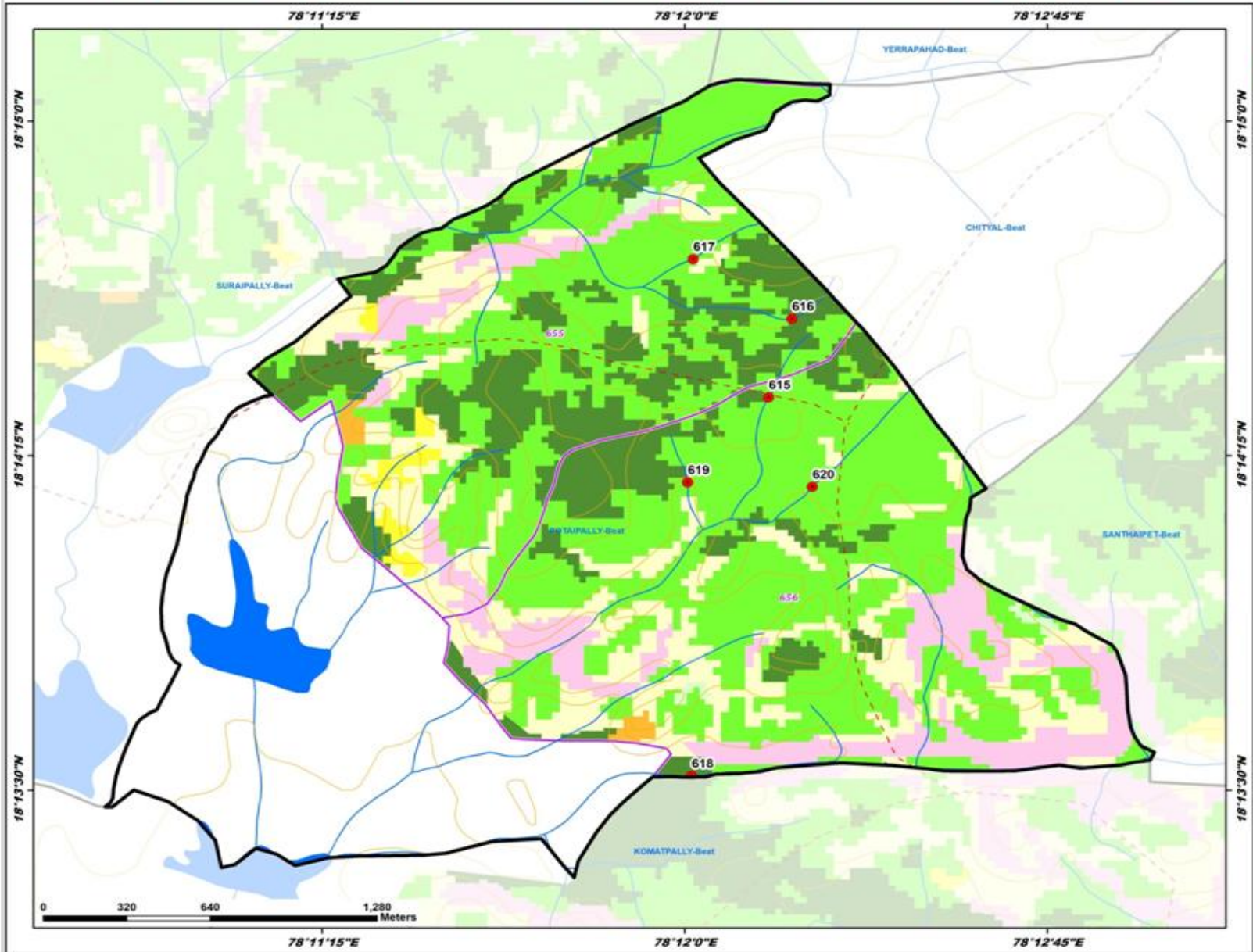
**Suitability Index**

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

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



Division : Kamareddy  
Range : Yellareddy



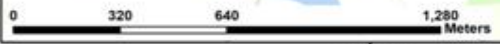
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
615	18.239683	78.202890	6.78	I
616	18.242634	78.203696	19.17	I
617	18.244849	78.200293	8.20	II
618	18.225535	78.200232	26.71	II
619	18.236500	78.200096	13.59	II
620	18.236340	78.204400	46.35	III

**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

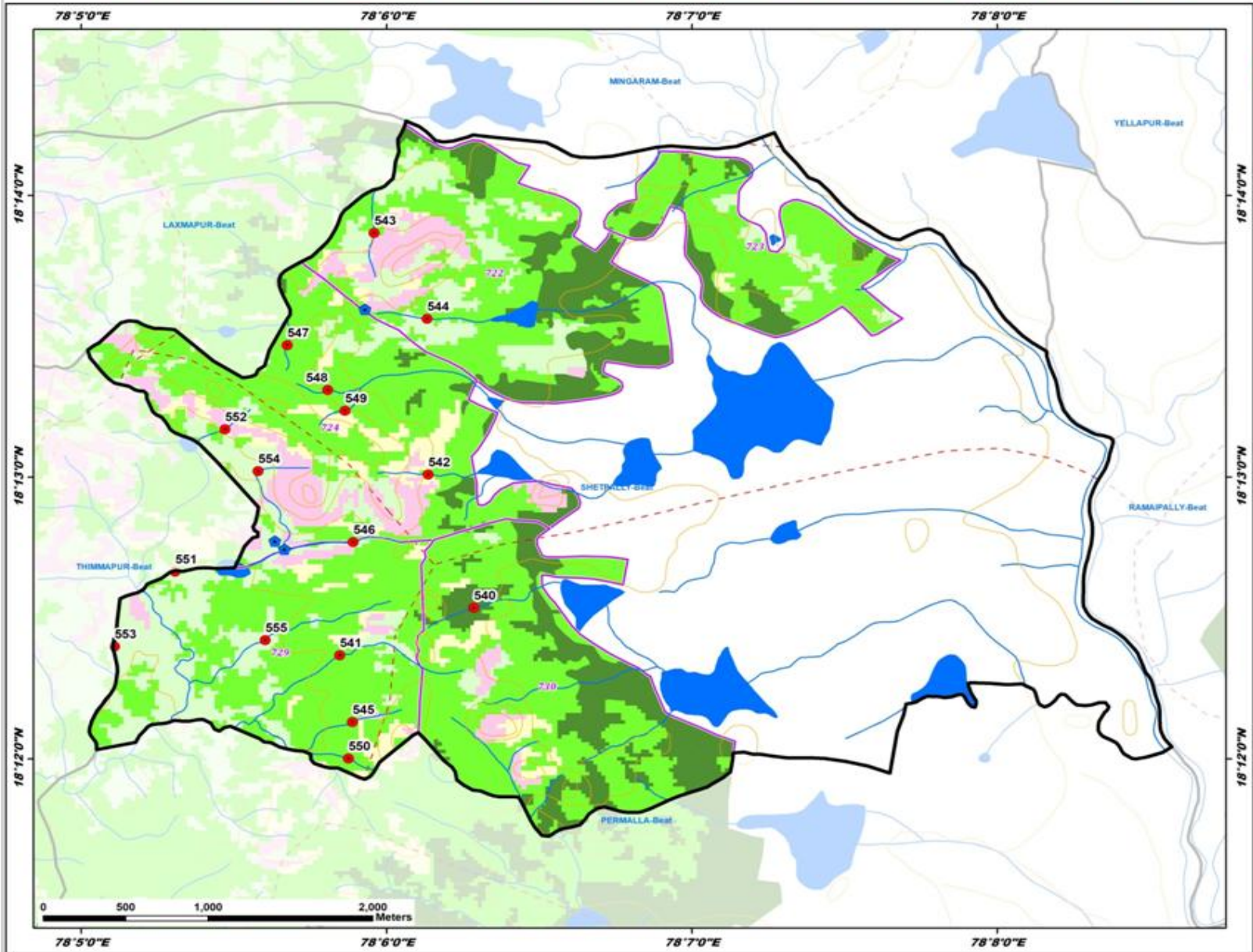


Map coordinates: 78°11'15"E, 78°12'0"E, 78°12'45"E (Longitude); 18°13'30"N, 18°14'15"N, 18°15'0"N (Latitude)

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



Division : Kamareddy  
Range : Yellareddy



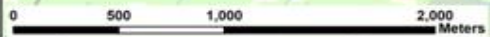
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
540	18.208945	78.104765	14.96	I
541	18.206136	78.097450	21.96	II
542	18.216838	78.102276	5.98	II
543	18.231119	78.099322	8.17	II
544	18.226046	78.102224	16.07	II
545	18.202199	78.098138	19.80	II
546	18.212843	78.098189	12.03	II
547	18.224888	78.094588	10.20	II
548	18.221840	78.096798	7.55	II
549	18.220611	78.097739	5.69	II
550	18.200035	78.097920	8.67	II
551	18.211091	78.088457	69.04	IV
552	18.219509	78.091185	5.50	IV
553	18.206665	78.085148	6.19	IV
554	18.217040	78.092984	14.16	IV
555	18.207039	78.093375	45.91	V

**LEGEND**

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

**Suitability Index**

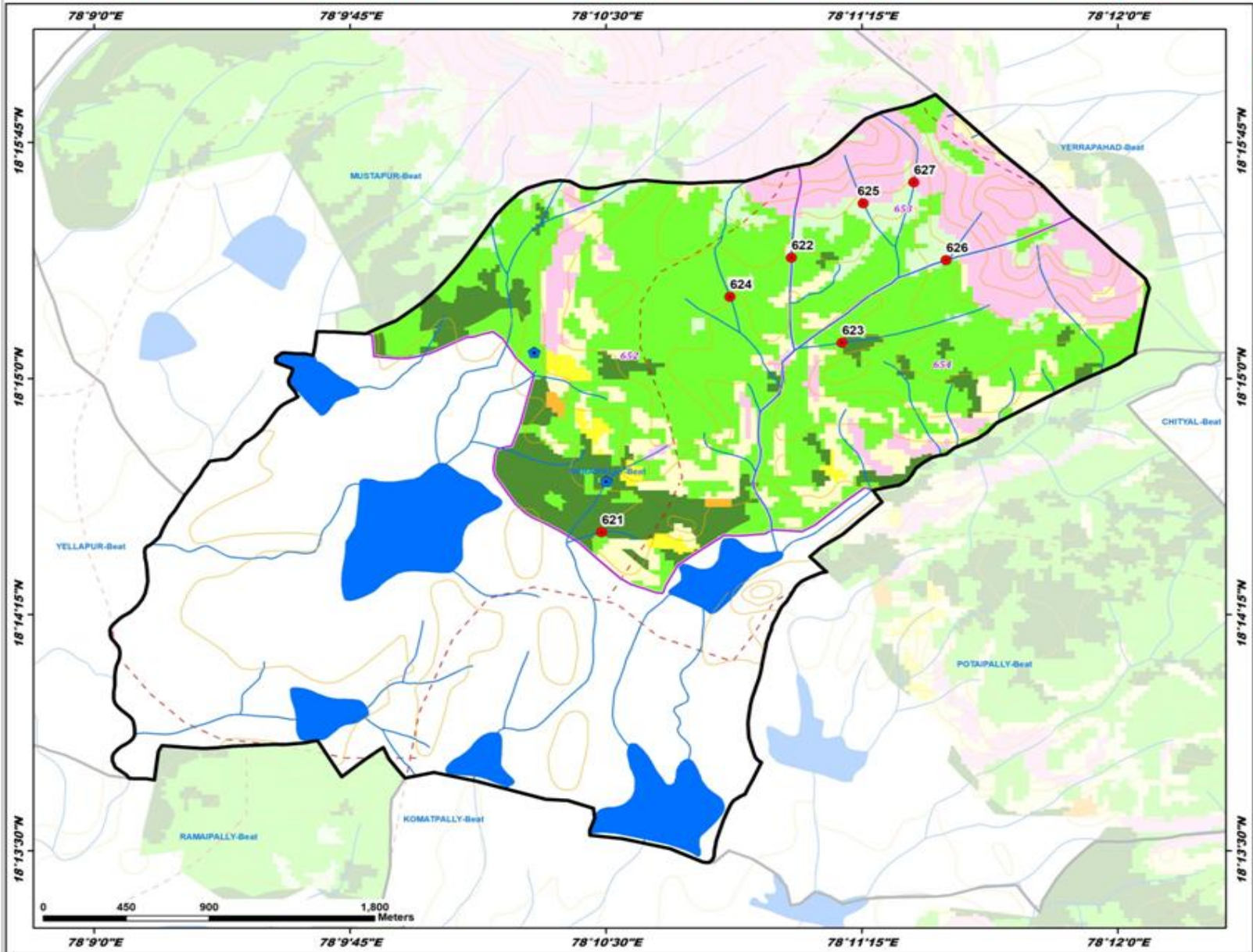
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
621	18.241868	78.174791	7.16	I
622	18.256401	78.184065	8.63	II
623	18.251899	78.186533	20.75	II
624	18.254326	78.183065	32.95	III
625	18.259281	78.187573	10.11	IV
626	18.256270	78.193626	13.23	IV
627	18.260391	78.190047	25.03	V

**LEGEND**

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

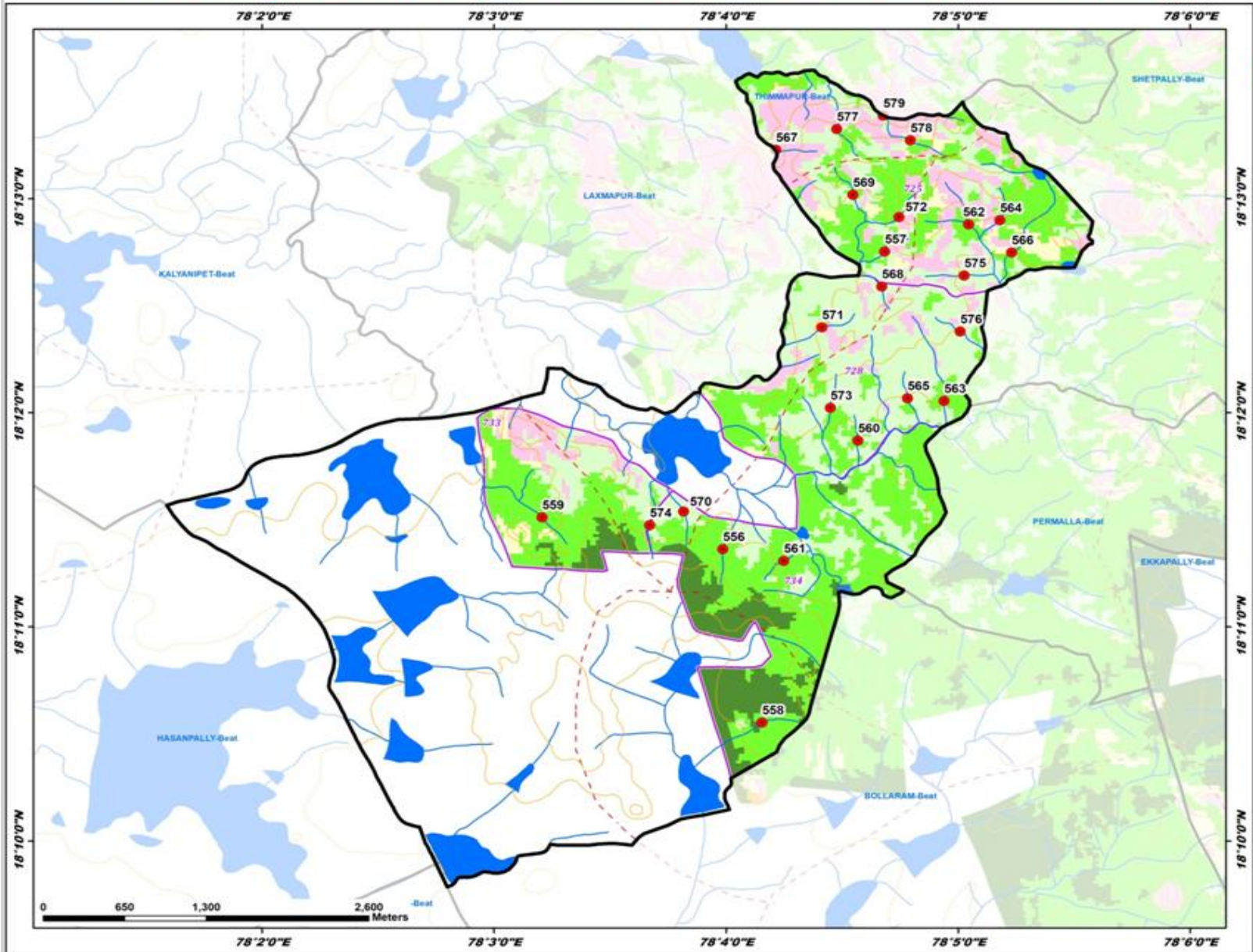
**Suitability Index**

- 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 Thimmapur Beat



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
556	18.189386	78.066440	7.49	II
557	18.212558	78.078067	5.73	II
558	18.175897	78.069262	14.40	II
559	18.191859	78.059462	18.15	II
560	18.197846	78.076152	5.36	II
561	18.188479	78.078089	6.30	II
562	18.214659	78.084100	30.55	III
563	18.200918	78.082325	26.08	III
564	18.214963	78.086350	7.52	IV
565	18.201139	78.079699	5.77	IV
566	18.212472	78.087189	61.31	IV
567	18.220470	78.070237	22.55	IV
568	18.209832	78.077869	5.06	IV
569	18.216975	78.075794	9.10	IV
570	18.182315	78.063613	12.93	IV
571	18.206661	78.073559	7.33	IV
572	18.215243	78.079088	12.59	IV
573	18.200385	78.074167	12.71	IV
574	18.191246	78.061178	15.40	IV
575	18.210091	78.083781	15.33	IV
576	18.206333	78.083496	8.90	IV
577	18.222086	78.074622	8.53	IV
578	18.221213	78.079910	11.29	IV
579	18.223145	78.077963	37.16	V

**LEGEND**

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

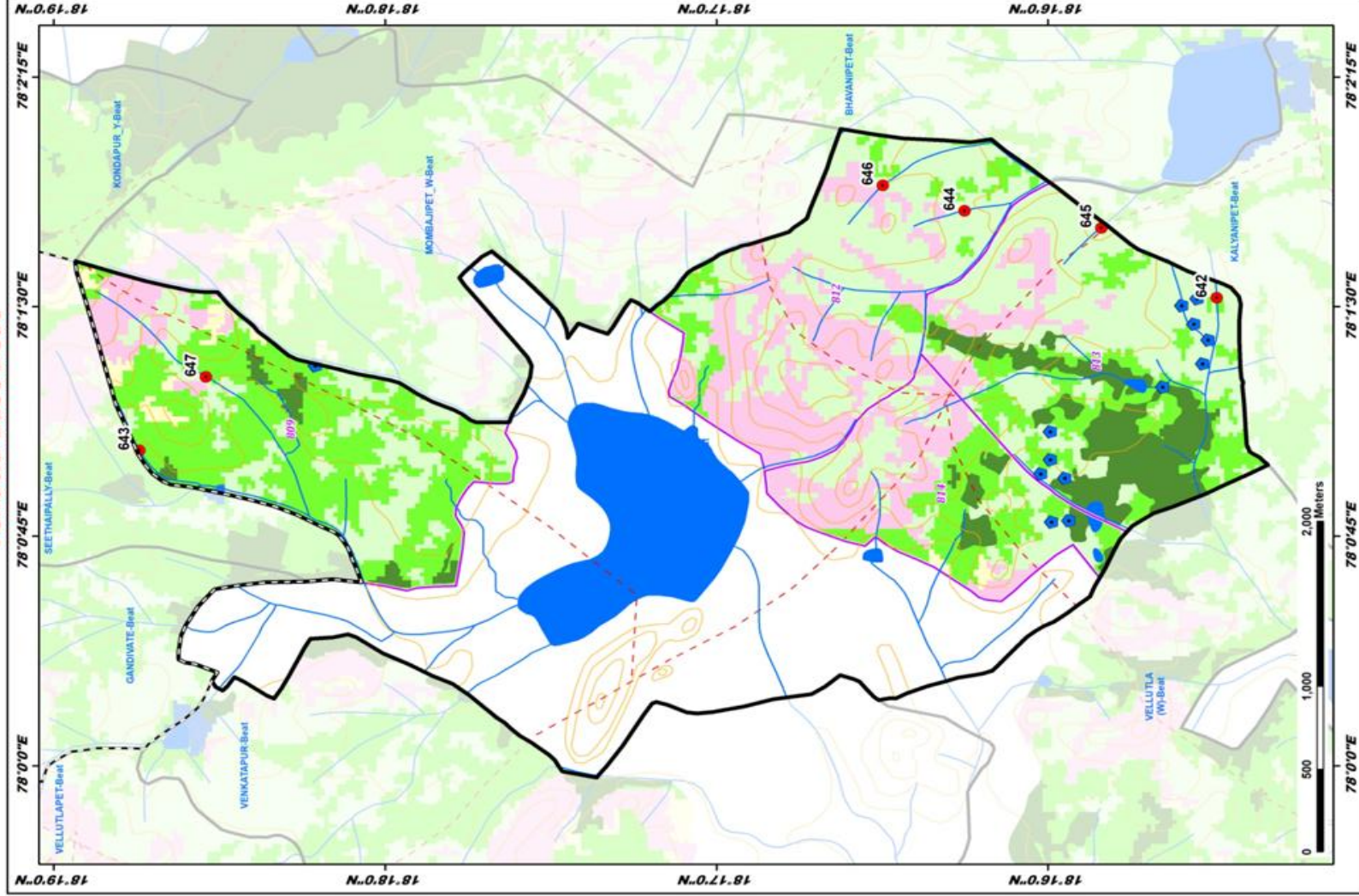
**Suitability Index**

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

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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
642	18.258166	78.025497	8.56	II
643	18.312365	78.017192	25.84	III
644	18.270883	78.030340	19.70	IV
645	18.263973	78.029318	15.41	IV
646	18.274963	78.031629	5.18	IV
647	18.306015	78.021200	29.13	V

## LEGEND

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

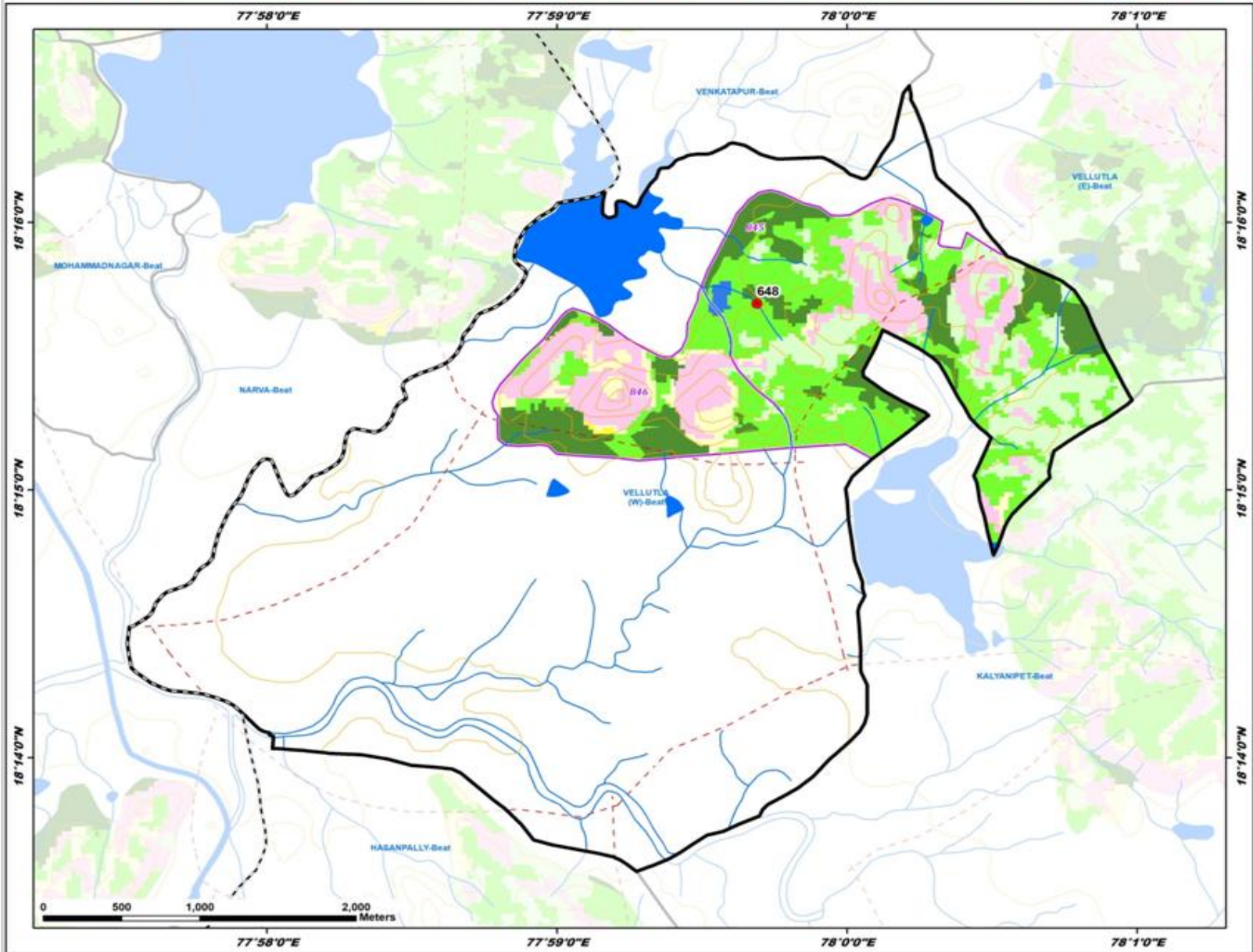
## Suitability Index

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

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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area No	PRIORITY
648	18.261614	77.994829	23.70	II

**LEGEND**

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

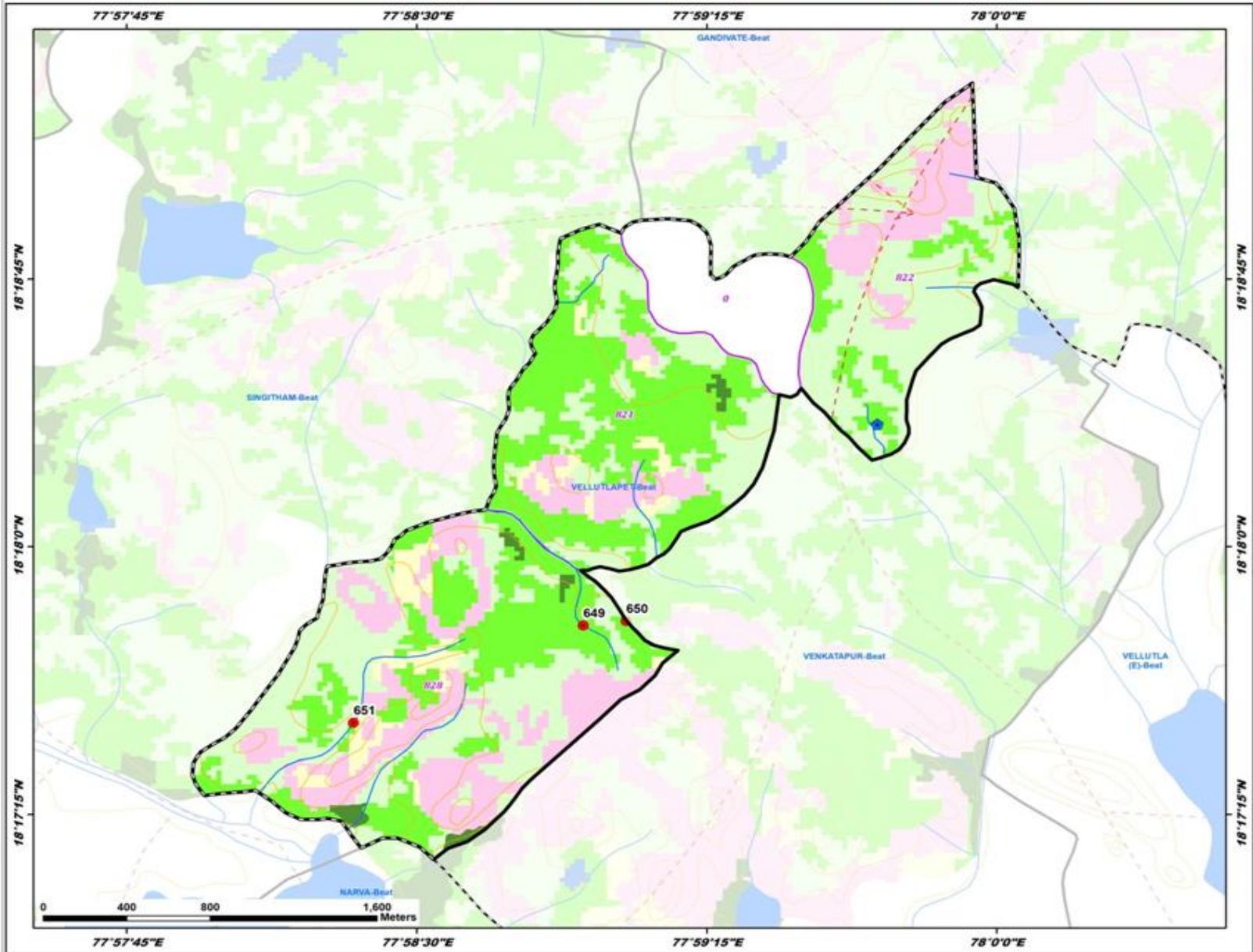
**Suitability Index**

- 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 Vellutlapet Beat



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
649	18.296321	77.982180	7.96	II
650	18.296536	77.984026	20.98	II
651	18.291777	77.972277	38.03	V

**LEGEND**

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

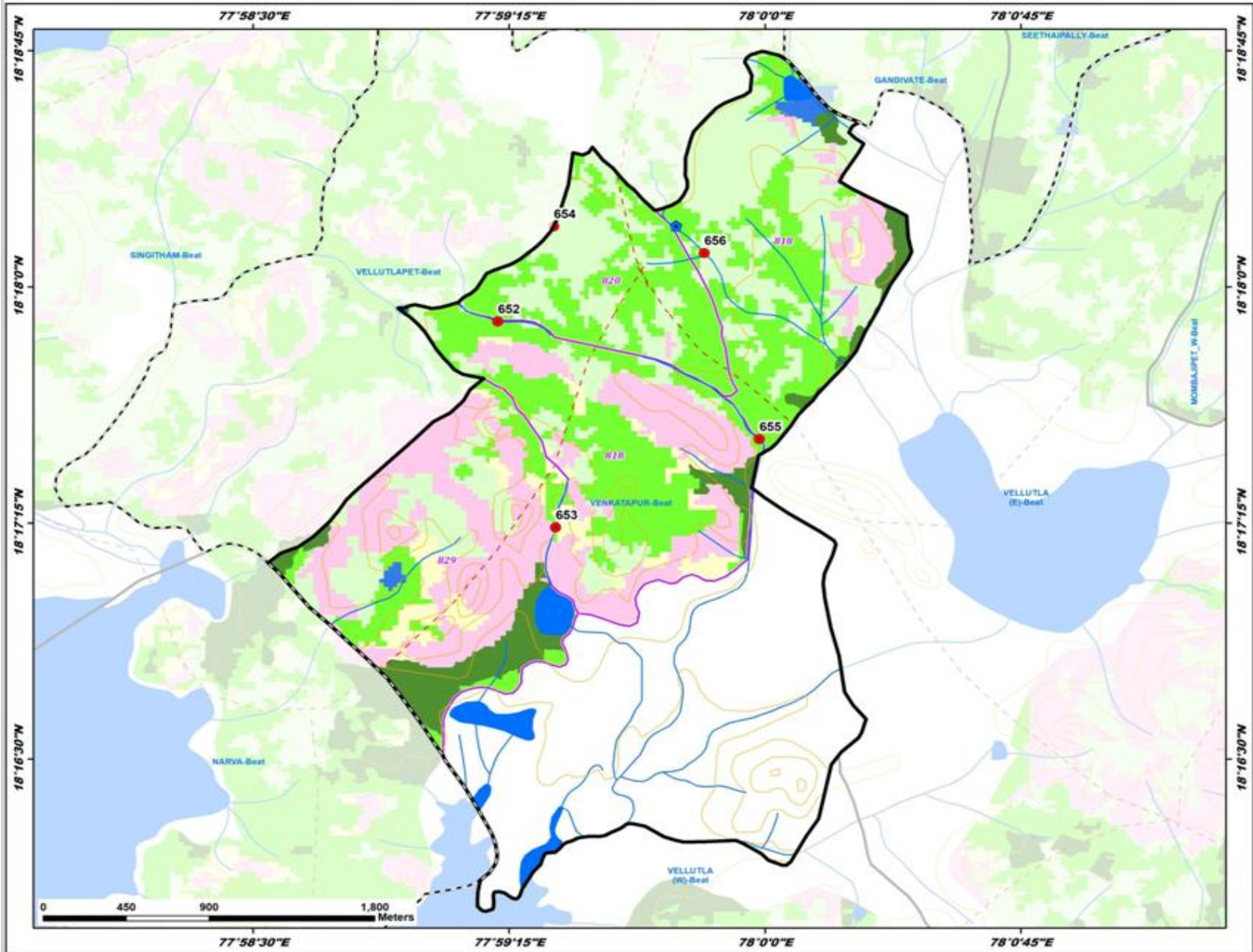
**Suitability Index**

- 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 Venkatapur Beat



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
652	18.298170	77.986955	9.70	II
653	18.287278	77.989773	36.00	III
654	18.303215	77.989685	7.54	IV
655	18.291954	77.999733	78.17	IV
656	18.301801	77.997035	49.70	V

**LEGEND**

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

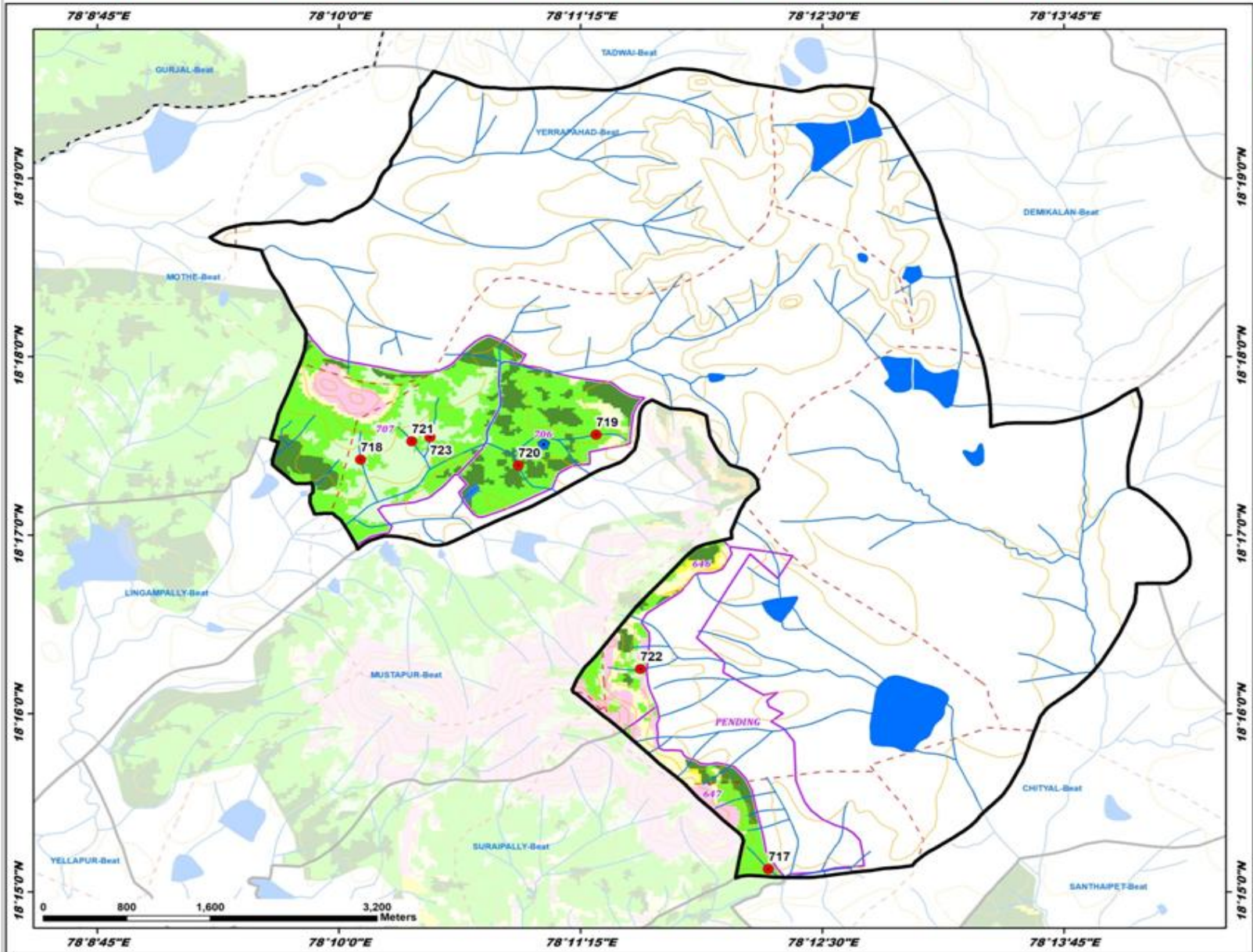
**Suitability Index**

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

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



Division : Kamareddy  
Range : Yellareddy



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
717	18.252165	78.203684	9.10	II
718	18.290388	78.168538	9.33	II
719	18.292717	78.188829	24.40	II
720	18.289862	78.182123	50.65	III
721	18.292101	78.172944	12.93	IV
722	18.270843	78.192657	23.58	IV
723	18.292499	78.174516	33.46	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