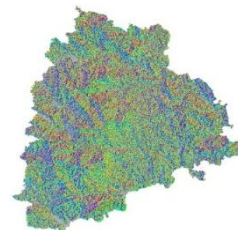
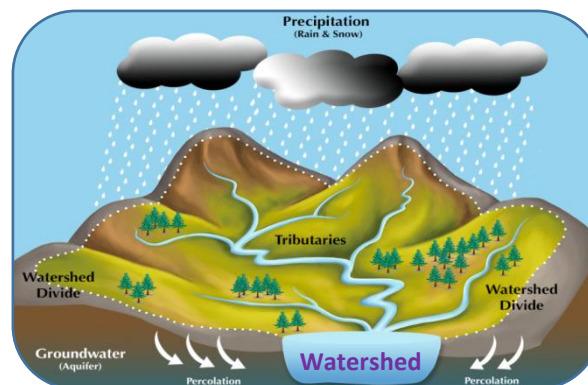


# Government of Telangana – Forest Department



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



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

**Circle: Kawal TR  
District: Nirmal  
Division: Khanapur**

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



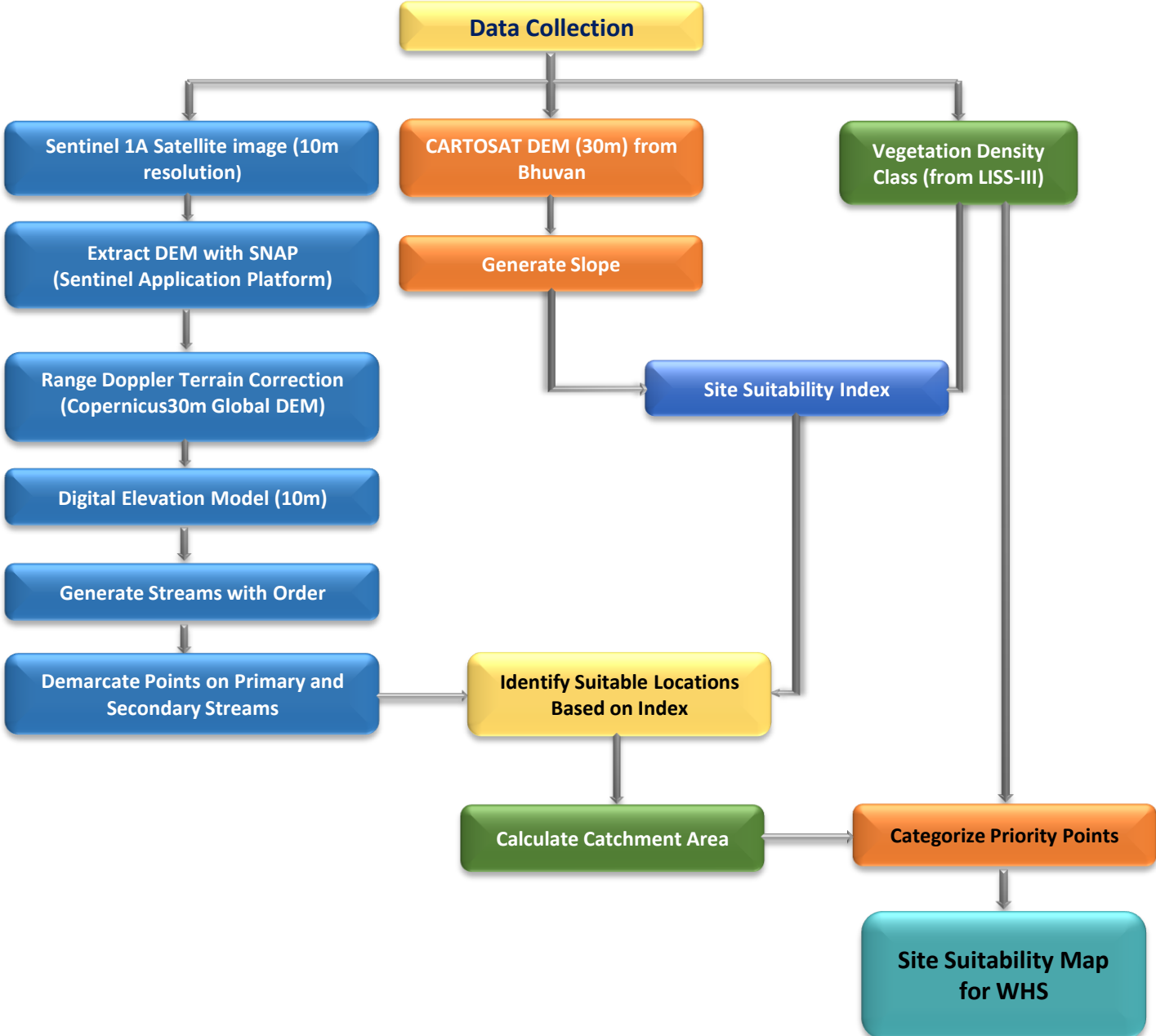
## METHODOLOGY

**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.



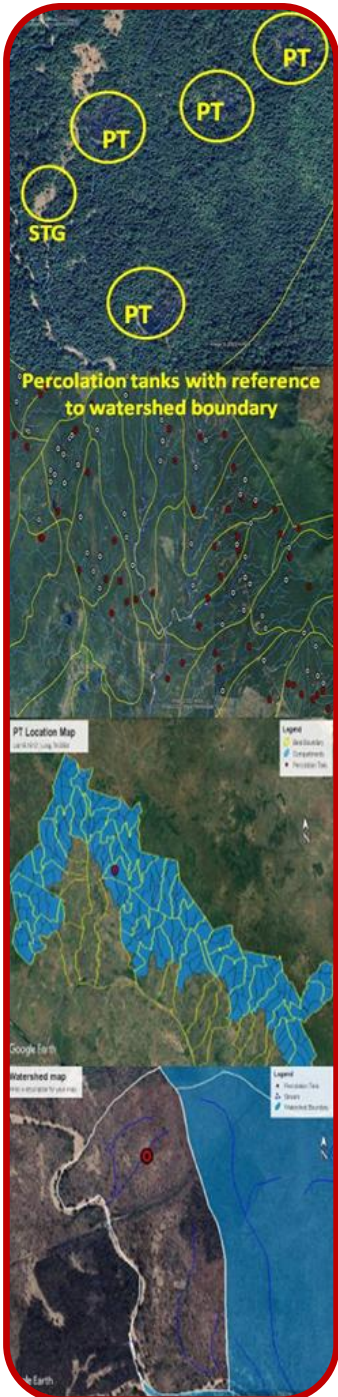
## Suitability criteria for Check-Dams and Percolation Tanks ( SITE SUITABILITY INDEX)

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





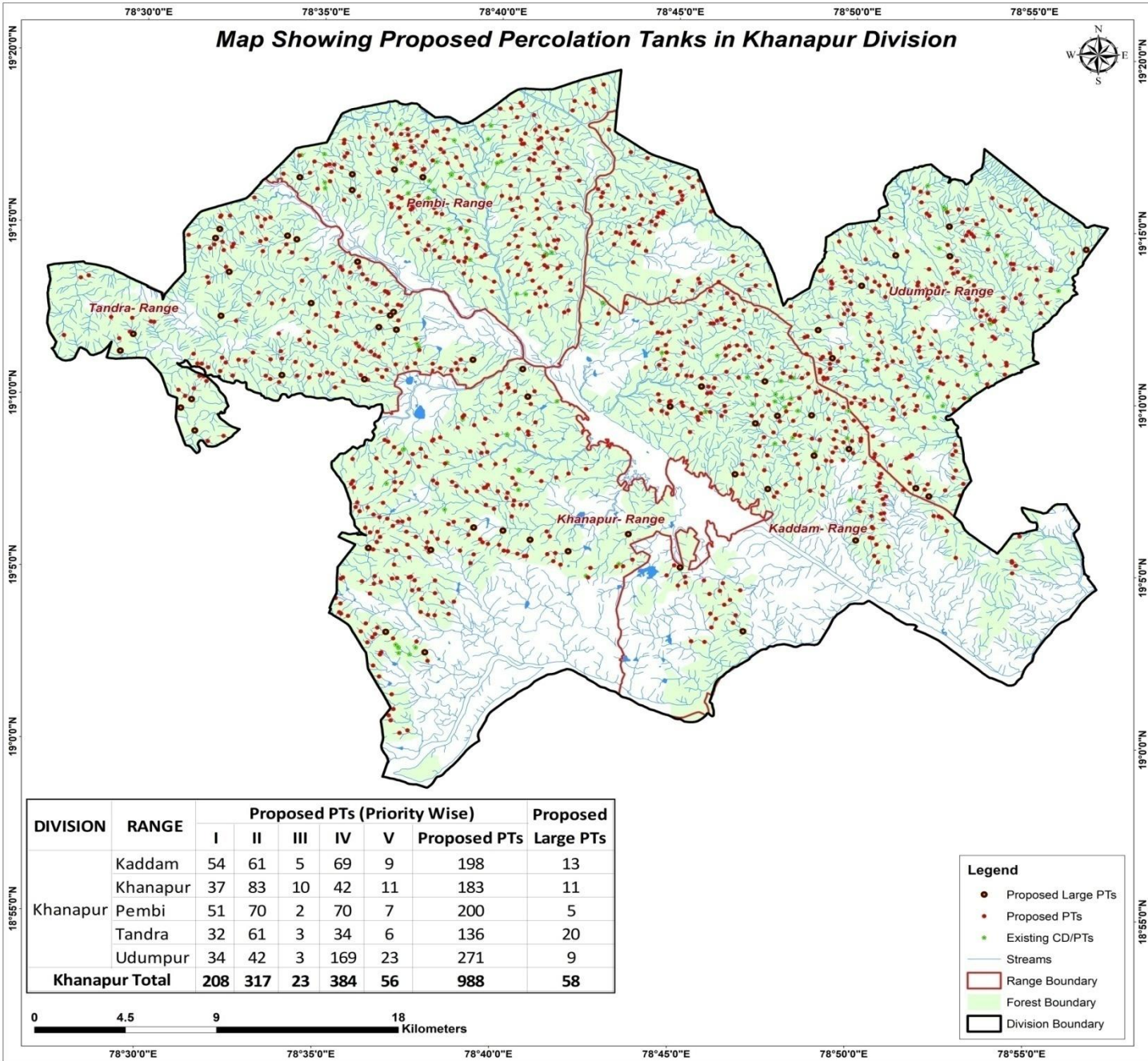
## PRIORITY CLASSES FOR PERCOLATION TANK

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





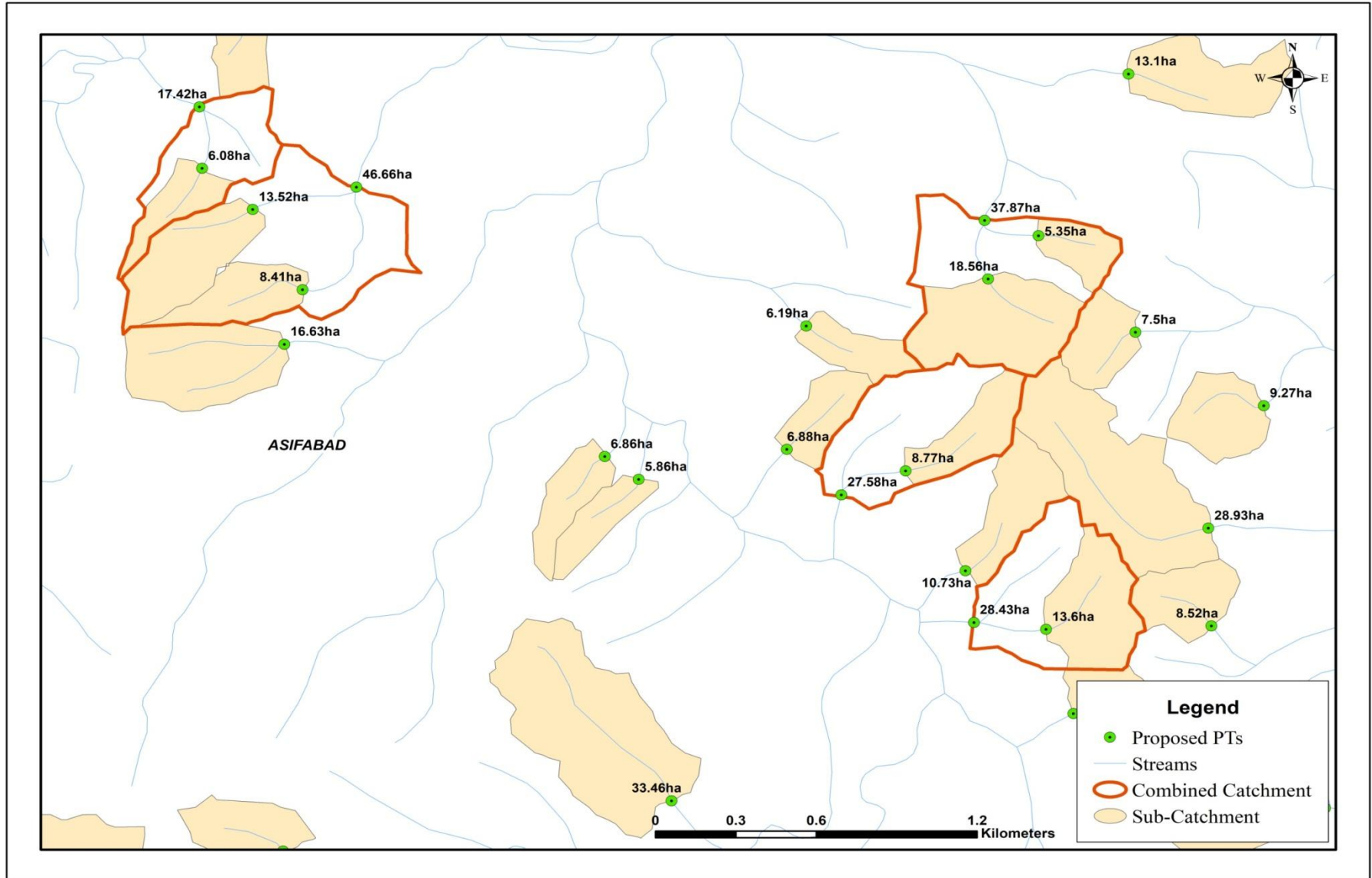
## Map Showing Proposed Percolation Tanks in Khanapur Division



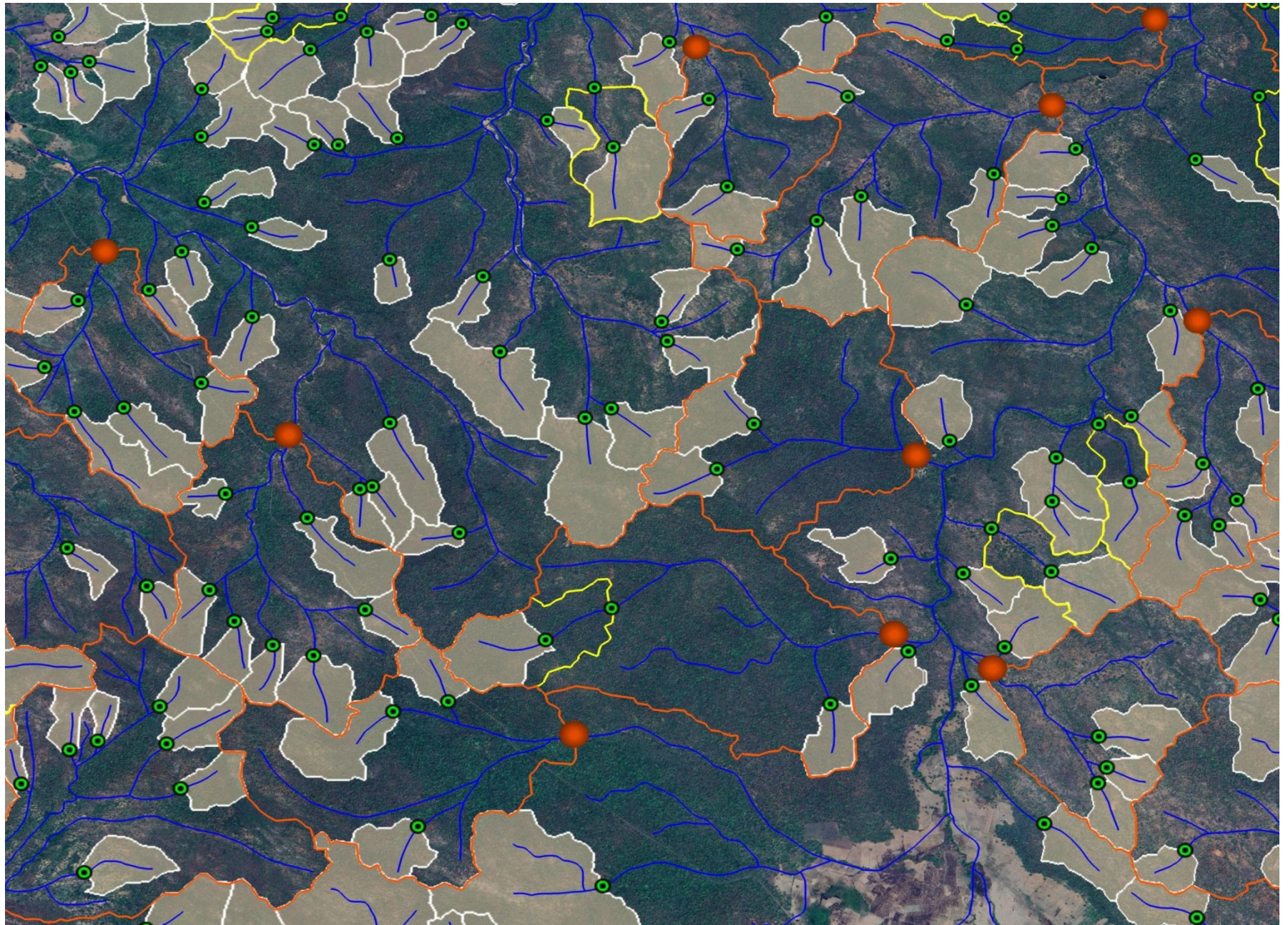
- Legend**
- Proposed Large PTs
  - Proposed PTs
  - Existing CD/PTs
  - Streams
  - Range Boundary
  - Forest Boundary
  - Division Boundary



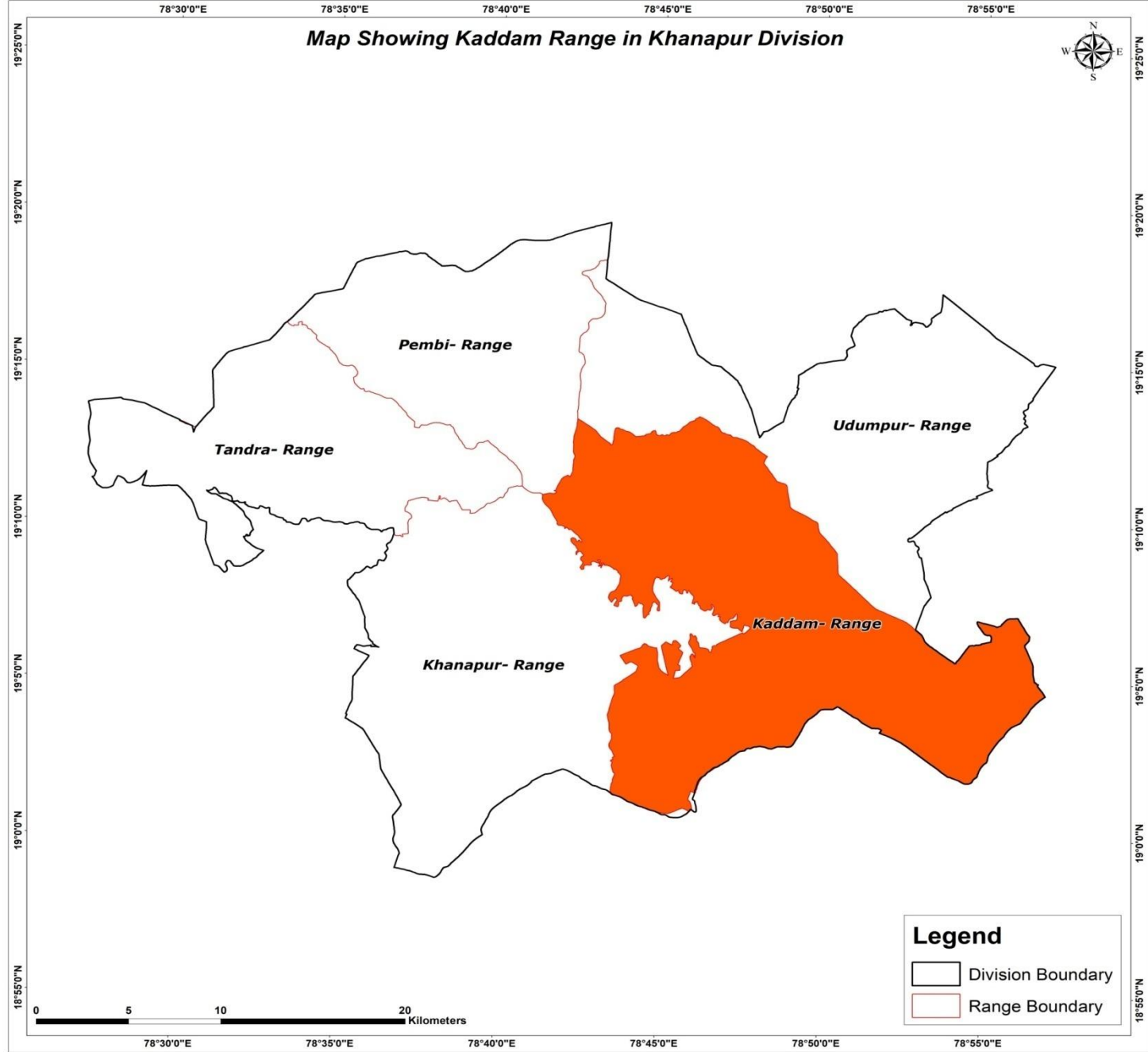
# CATCHMENT AREA



# Sample Catchment Map



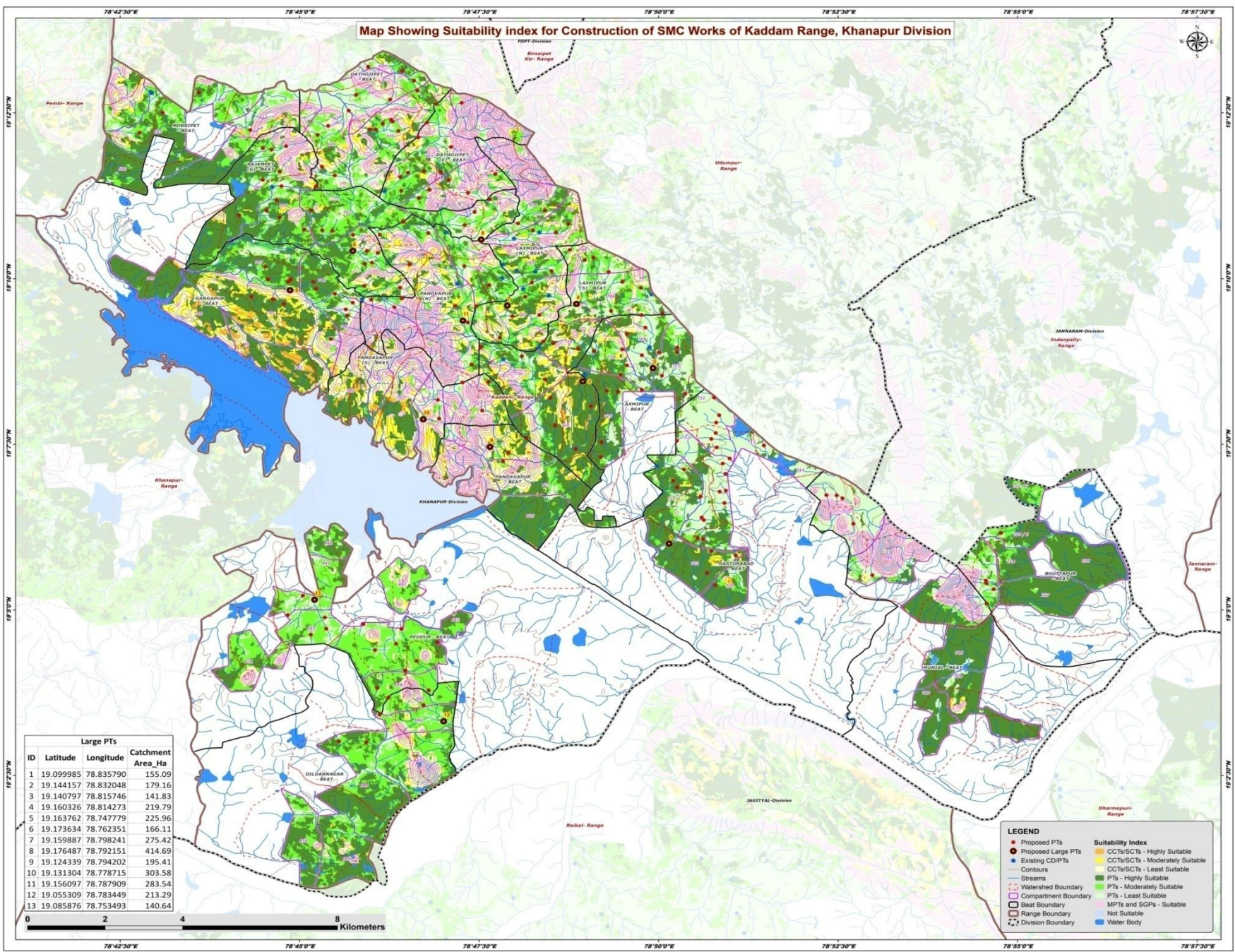
# Map Showing Kaddam Range in Khanapur Division



## Legend

- Division Boundary
- Range Boundary

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



Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
1	19.099985	78.835790	155.09
2	19.144157	78.832048	179.16
3	19.140327	78.815746	141.83
4	19.160326	78.814273	219.79
5	19.163762	78.747779	225.96
6	19.173634	78.762351	166.11
7	19.159887	78.798241	275.42
8	19.176487	78.792151	414.69
9	19.124339	78.794202	195.41
10	19.131304	78.778715	303.58
11	19.156097	78.787909	283.54
12	19.055309	78.783449	213.29
13	19.085876	78.753493	140.64

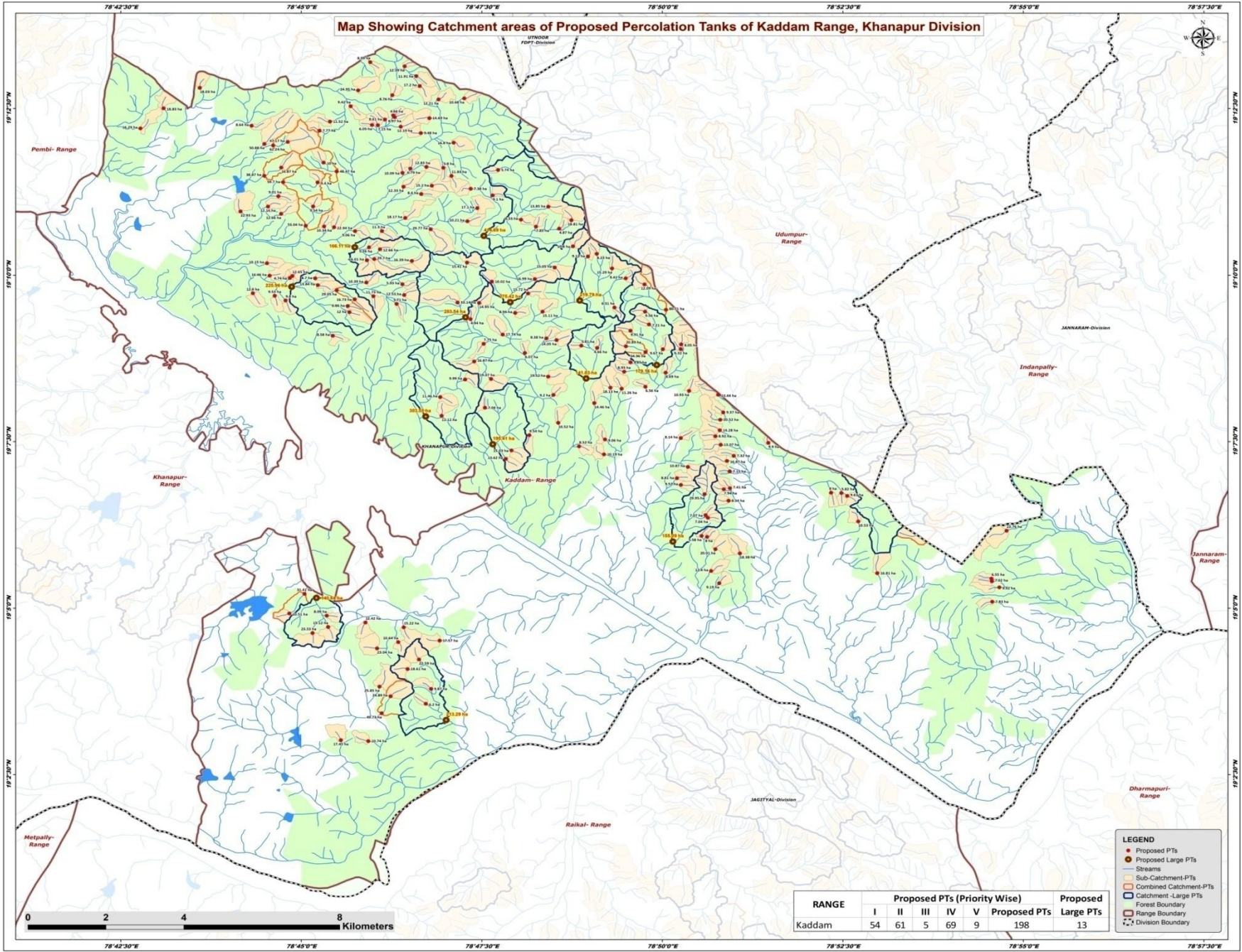
**LEGEND**

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

**Suitability Index**

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

Map Showing Catchment areas of Proposed Percolation Tanks of Kaddam Range, Khanapur Division



RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
	I	II	III	IV	V		
Kaddam	54	61	5	69	9	198	13

- 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 – Kaddam Range

S. No.	Beat	Proposed PT's
1	BHUTTAPUR	4
2	DASTURABAD	26
3	DATHOJIPET	18
4	DATHOJIPET(E)	14
5	DILDARNAGAR	5
6	GANGAPUR	14
7	LAXMIPUR	17
8	LAXMIPUR(N)	11
9	LAXMIPUR(S)	20
10	MORRIPET	4
11	MUNIAL	6
12	PANDAVAPUR	2
13	PANDAVAPUR(S)	4
14	PANDVAPUR(N)	14
15	PEDDUR	14
16	RAJAMPET(G)	25
	<b>Total</b>	<b>198</b>

## List of Proposed PTs – Kaddam Range

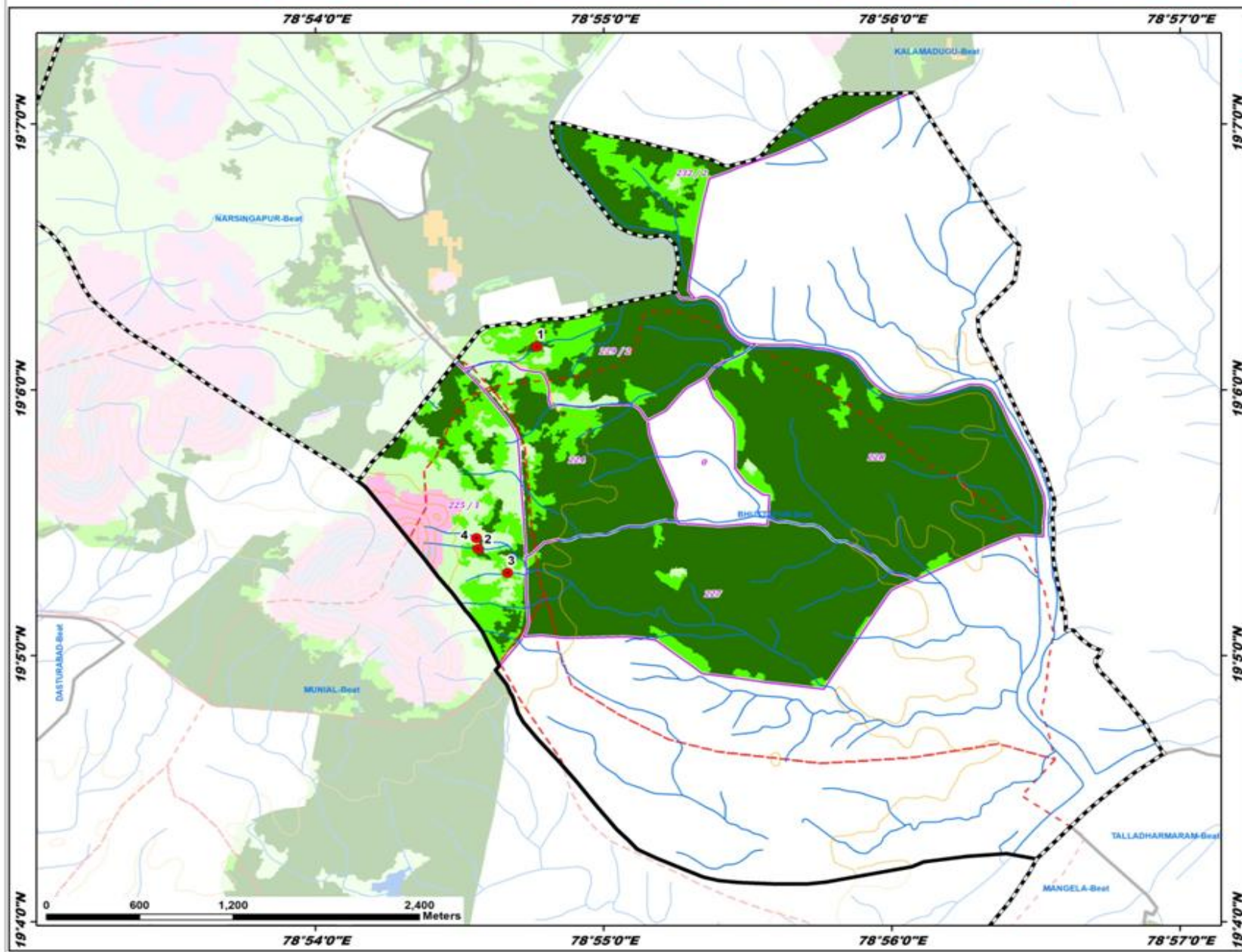
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
1	19.102706	78.912804	23.76	I	BHUTTAPUR	41	19.144829	78.826001	9.85	IV	LAXMIPUR	81	19.202826	78.754212	7.77	II	DATHOJIPET
2	19.090024	78.909402	7.02	I	BHUTTAPUR	42	19.137697	78.839503	10.93	IV	LAXMIPUR	82	19.213984	78.777330	17.20	II	DATHOJIPET
3	19.088526	78.911106	9.92	II	BHUTTAPUR	43	19.142239	78.834095	8.69	IV	LAXMIPUR	83	19.211690	78.771017	8.76	II	DATHOJIPET
4	19.090712	78.909317	6.55	IV	BHUTTAPUR	44	19.149339	78.837696	8.05	IV	LAXMIPUR	84	19.203795	78.772966	12.19	II	DATHOJIPET
5	19.101382	78.842402	5.58	I	DASTURABAD	45	19.148847	78.824926	20.89	IV	LAXMIPUR	85	19.210639	78.781679	12.21	II	DATHOJIPET
6	19.098084	78.845581	20.01	I	DASTURABAD	46	19.148113	78.833462	9.67	IV	LAXMIPUR	86	19.206627	78.771246	4.66	II	DATHOJIPET
7	19.092612	78.844597	12.40	I	DASTURABAD	47	19.147392	78.829456	34.96	V	LAXMIPUR	87	19.205079	78.756635	11.52	IV	DATHOJIPET
8	19.114143	78.837631	9.52	I	DASTURABAD	48	19.123791	78.814104	8.52	I	LAXMIPUR(S)	88	19.219959	78.765924	8.99	IV	DATHOJIPET
9	19.101146	78.843656	8.00	I	DASTURABAD	49	19.136676	78.808202	9.20	I	LAXMIPUR(S)	89	19.208926	78.761403	9.42	IV	DATHOJIPET
10	19.089546	78.846472	9.19	I	DASTURABAD	50	19.149017	78.814655	5.81	I	LAXMIPUR(S)	90	19.212890	78.763145	24.95	IV	DATHOJIPET
11	19.115834	78.836724	8.81	II	DASTURABAD	51	19.171992	78.818224	8.23	I	LAXMIPUR(S)	91	19.192606	78.758184	48.47	V	DATHOJIPET
12	19.111832	78.843083	29.95	II	DASTURABAD	52	19.150391	78.808906	14.05	I	LAXMIPUR(S)	92	19.193728	78.778880	12.83	I	DATHOJIPET(E)
13	19.136718	78.846214	13.44	IV	DASTURABAD	53	19.134623	78.817642	14.46	I	LAXMIPUR(S)	93	19.202211	78.777600	9.48	I	DATHOJIPET(E)
14	19.113337	78.848956	7.41	IV	DASTURABAD	54	19.126609	78.802621	9.54	I	LAXMIPUR(S)	94	19.193511	78.782806	5.80	I	DATHOJIPET(E)
15	19.120159	78.848252	16.87	IV	DASTURABAD	55	19.149466	78.792101	7.75	I	LAXMIPUR(S)	95	19.193317	78.775166	6.79	II	DATHOJIPET(E)
16	19.097031	78.851224	18.38	IV	DASTURABAD	56	19.129682	78.809313	10.52	I	LAXMIPUR(S)	96	19.188788	78.773612	12.33	II	DATHOJIPET(E)
17	19.105932	78.843868	7.04	IV	DASTURABAD	57	19.141257	78.807006	19.52	II	LAXMIPUR(S)	97	19.191492	78.784658	11.83	II	DATHOJIPET(E)
18	19.126346	78.845584	8.92	IV	DASTURABAD	58	19.165845	78.824874	9.41	II	LAXMIPUR(S)	98	19.192986	78.795424	5.74	II	DATHOJIPET(E)
19	19.130467	78.846709	20.52	IV	DASTURABAD	59	19.171328	78.816162	9.12	II	LAXMIPUR(S)	99	19.188263	78.789128	7.38	II	DATHOJIPET(E)
20	19.125872	78.837597	8.14	IV	DASTURABAD	60	19.164331	78.829236	12.09	II	LAXMIPUR(S)	100	19.189047	78.780139	15.10	II	DATHOJIPET(E)
21	19.132306	78.847392	9.37	IV	DASTURABAD	61	19.150836	78.806573	8.38	II	LAXMIPUR(S)	101	19.186974	78.777692	8.40	II	DATHOJIPET(E)
22	19.124672	78.857781	9.90	IV	DASTURABAD	62	19.147163	78.801624	6.07	II	LAXMIPUR(S)	102	19.205948	78.779577	14.69	II	DATHOJIPET(E)
23	19.117538	78.848902	7.15	IV	DASTURABAD	63	19.158555	78.822294	6.31	II	LAXMIPUR(S)	103	19.210896	78.787625	10.68	IV	DATHOJIPET(E)
24	19.118659	78.839237	10.87	IV	DASTURABAD	64	19.168337	78.821734	15.29	II	LAXMIPUR(S)	104	19.199810	78.785169	16.80	IV	DATHOJIPET(E)
25	19.124214	78.846823	13.07	IV	DASTURABAD	65	19.173874	78.812738	17.80	IV	LAXMIPUR(S)	105	19.192231	78.773368	10.09	IV	DATHOJIPET(E)
26	19.106594	78.843333	7.07	IV	DASTURABAD	66	19.157514	78.829365	9.56	IV	LAXMIPUR(S)	106	19.213538	78.726597	18.03	I	MORRIPET
27	19.127816	78.846611	14.28	IV	DASTURABAD	67	19.157990	78.834175	80.71	V	LAXMIPUR(S)	107	19.203378	78.712881	16.29	II	MORRIPET
28	19.121444	78.849835	7.32	IV	DASTURABAD	68	19.112206	78.872285	8.00	IV	MUNIAL	108	19.208414	78.718240	18.83	II	MORRIPET
29	19.110206	78.848615	8.34	IV	DASTURABAD	69	19.105019	78.878554	10.53	IV	MUNIAL	109	19.204036	78.738547	8.64	II	MORRIPET
30	19.113052	78.847534	7.94	IV	DASTURABAD	70	19.084917	78.909500	7.83	IV	MUNIAL	110	19.165943	78.747369	4.74	I	GANGAPUR
31	19.138488	78.821367	18.13	I	LAXMIPUR	71	19.112119	78.874657	5.82	IV	MUNIAL	111	19.161499	78.743855	9.53	I	GANGAPUR
32	19.142482	78.824531	8.93	I	LAXMIPUR	72	19.092063	78.882942	16.81	IV	MUNIAL	112	19.164151	78.753843	13.84	I	GANGAPUR
33	19.125525	78.820112	9.06	I	LAXMIPUR	73	19.111420	78.876026	9.61	IV	MUNIAL	113	19.165866	78.753207	8.70	I	GANGAPUR
34	19.138222	78.823948	11.26	I	LAXMIPUR	74	19.194837	78.755168	10.00	I	DATHOJIPET	114	19.169640	78.742090	10.15	I	GANGAPUR
35	19.121796	78.819865	10.19	I	LAXMIPUR	75	19.218907	78.773859	12.39	I	DATHOJIPET	115	19.162114	78.738833	12.80	I	GANGAPUR
36	19.148438	78.818306	4.66	I	LAXMIPUR	76	19.204231	78.766340	6.05	I	DATHOJIPET	116	19.160323	78.746382	9.80	I	GANGAPUR
37	19.148129	78.837594	6.32	I	LAXMIPUR	77	19.204189	78.767681	7.15	II	DATHOJIPET	117	19.166455	78.747932	12.65	I	GANGAPUR
38	19.152742	78.826001	9.91	II	LAXMIPUR	78	19.206211	78.771570	6.97	II	DATHOJIPET	118	19.166512	78.742692	16.46	I	GANGAPUR
39	19.138734	78.829440	6.56	IV	LAXMIPUR	79	19.205587	78.769316	8.61	II	DATHOJIPET	119	19.157390	78.761109	12.00	IV	GANGAPUR
40	19.154322	78.830264	7.21	IV	LAXMIPUR	80	19.216464	78.776547	11.91	II	DATHOJIPET	120	19.151500	78.757263	8.58	IV	GANGAPUR

## List of Proposed PTs – Kaddam Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
121	19.158935	78.760734	6.86	IV	GANGAPUR
122	19.160613	78.762330	16.73	IV	GANGAPUR
123	19.162871	78.758184	29.05	V	GANGAPUR
124	19.173612	78.765644	5.26	I	RAJAMPET(G)
125	19.186415	78.744722	9.01	I	RAJAMPET(G)
126	19.182597	78.735968	22.93	I	RAJAMPET(G)
127	19.181996	78.745364	12.66	I	RAJAMPET(G)
128	19.189859	78.753791	9.40	I	RAJAMPET(G)
129	19.183838	78.752727	9.54	I	RAJAMPET(G)
130	19.193564	78.745393	16.87	II	RAJAMPET(G)
131	19.178647	78.757567	22.94	II	RAJAMPET(G)
132	19.177651	78.762419	9.06	II	RAJAMPET(G)
133	19.170376	78.765149	16.01	II	RAJAMPET(G)
134	19.164391	78.773337	5.93	II	RAJAMPET(G)
135	19.173137	78.768173	12.66	II	RAJAMPET(G)
136	19.183825	78.742317	12.16	II	RAJAMPET(G)
137	19.164805	78.765038	10.39	II	RAJAMPET(G)
138	19.178844	78.755271	10.34	IV	RAJAMPET(G)
139	19.186610	78.794173	9.10	IV	RAJAMPET(G)
140	19.199497	78.741498	50.88	IV	RAJAMPET(G)
141	19.183408	78.790623	17.10	IV	RAJAMPET(G)
142	19.180140	78.788356	10.21	IV	RAJAMPET(G)
143	19.170688	78.766827	29.70	V	RAJAMPET(G)
144	19.199995	78.746883	47.17	V	RAJAMPET(G)
145	19.179025	78.751042	53.04	III	RAJAMPET(G)
146	19.191524	78.741453	38.87	III	RAJAMPET(G)
147	19.199112	78.743522	62.24	V	RAJAMPET(G)
148	19.189915	78.745800	59.70	V	RAJAMPET(G)
149	19.183799	78.807018	13.85	I	LAXMIPUR(N)
150	19.178791	78.804183	7.85	I	LAXMIPUR(N)
151	19.180405	78.812348	18.81	I	LAXMIPUR(N)
152	19.157519	78.805699	15.11	II	LAXMIPUR(N)
153	19.151792	78.796502	17.74	II	LAXMIPUR(N)
154	19.157199	78.799383	8.94	II	LAXMIPUR(N)
155	19.168563	78.808499	15.05	IV	LAXMIPUR(N)
156	19.162060	78.802361	15.72	IV	LAXMIPUR(N)
157	19.165659	78.803910	16.99	IV	LAXMIPUR(N)
158	19.180541	78.800701	8.33	IV	LAXMIPUR(N)
159	19.178309	78.809534	4.87	IV	LAXMIPUR(N)
160	19.122790	78.798531	15.03	I	PANDAVAPUR

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
161	19.120684	78.797231	13.62	II	PANDAVAPUR
162	19.140660	78.793797	19.07	II	PANDAVAPUR(S)
163	19.131461	78.782388	11.12	IV	PANDAVAPUR(S)
164	19.133465	78.792394	7.04	IV	PANDAVAPUR(S)
165	19.136129	78.782093	11.46	IV	PANDAVAPUR(S)
166	19.170192	78.775526	16.39	I	PANDVAPUR(N)
167	19.180976	78.774008	18.17	I	PANDVAPUR(N)
168	19.145054	78.789921	16.87	II	PANDVAPUR(N)
169	19.177696	78.768630	11.30	II	PANDVAPUR(N)
170	19.161684	78.773767	12.53	II	PANDVAPUR(N)
171	19.169802	78.788251	15.41	II	PANDVAPUR(N)
172	19.159809	78.786076	33.14	II	PANDVAPUR(N)
173	19.159699	78.791072	14.95	II	PANDVAPUR(N)
174	19.178140	78.779866	29.77	III	PANDVAPUR(N)
175	19.165018	78.793991	10.02	IV	PANDVAPUR(N)
176	19.159471	78.772003	5.71	IV	PANDVAPUR(N)
177	19.155647	78.789069	4.94	IV	PANDVAPUR(N)
178	19.140538	78.787808	9.99	IV	PANDVAPUR(N)
179	19.161381	78.766646	11.73	IV	PANDVAPUR(N)
180	19.050037	78.765485	10.74	II	DILDARNAGAR
181	19.059398	78.778754	6.20	II	DILDARNAGAR
182	19.050276	78.759122	17.45	II	DILDARNAGAR
183	19.061259	78.770626	24.89	II	DILDARNAGAR
184	19.057014	78.768576	49.73	III	DILDARNAGAR
185	19.068091	78.774547	18.61	I	PEDDUR
186	19.075191	78.781935	17.57	I	PEDDUR
187	19.073250	78.767501	23.04	II	PEDDUR
188	19.063095	78.779964	9.87	II	PEDDUR
189	19.070485	78.777174	22.59	II	PEDDUR
190	19.081994	78.747241	10.51	II	PEDDUR
191	19.078531	78.773660	15.22	II	PEDDUR
192	19.063685	78.768053	25.85	III	PEDDUR
193	19.081443	78.755885	8.09	IV	PEDDUR
194	19.074816	78.772375	10.64	IV	PEDDUR
195	19.077089	78.752614	23.53	IV	PEDDUR
196	19.078612	78.756214	15.12	IV	PEDDUR
197	19.079733	78.764811	12.42	IV	PEDDUR
198	19.086892	78.750746	31.41	V	PEDDUR

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



Division : Khanapur  
Range : Kaddam

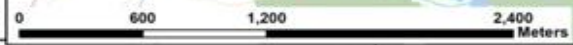
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
1	19.102706	78.912804	23.76	I
2	19.090024	78.909402	7.02	I
3	19.088526	78.911106	9.52	II
4	19.090712	78.909317	6.55	IV

**LEGEND**

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

**Suitability Index**

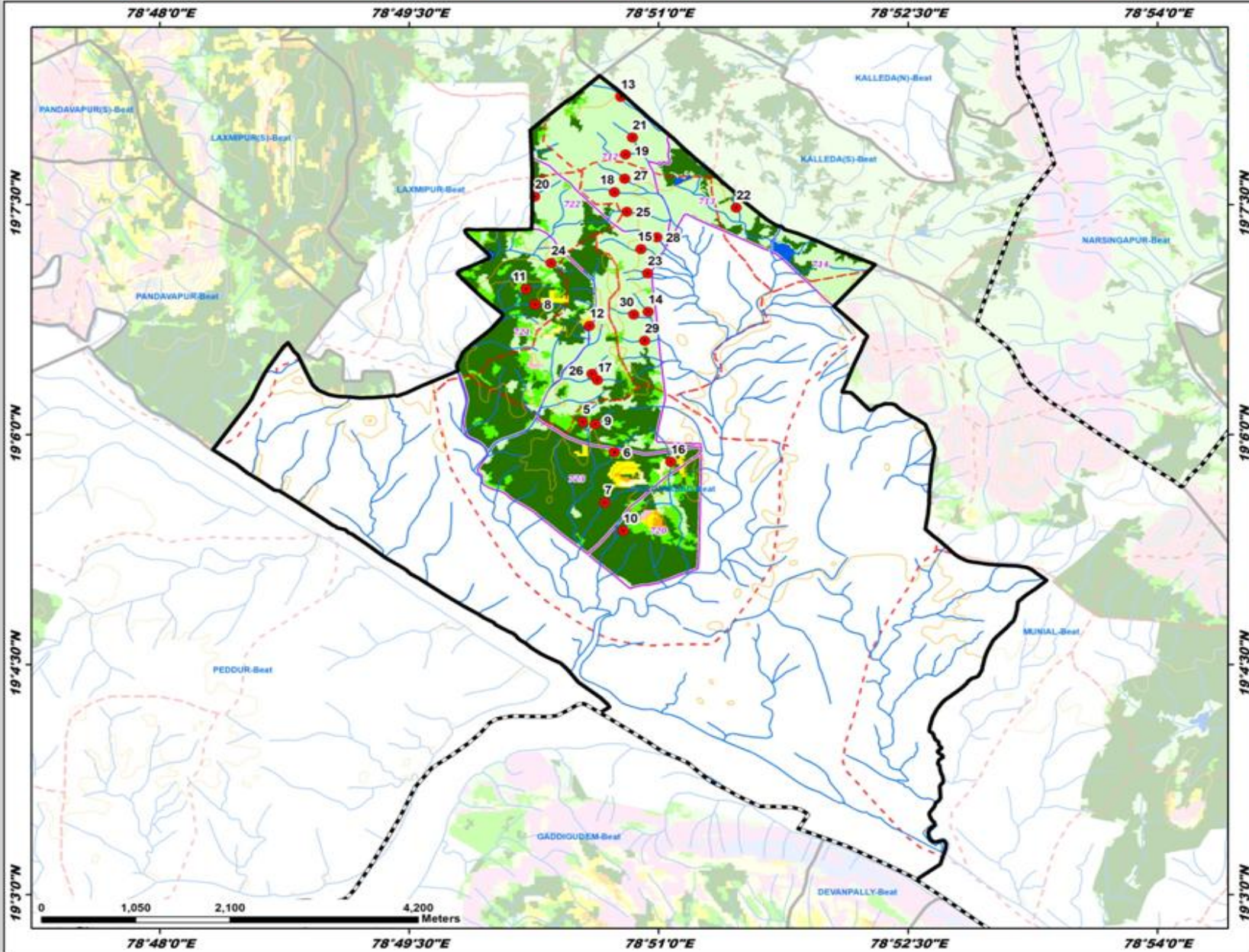
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Khanapur  
Range : Kaddam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
5	19.101382	78.842402	5.58	I
6	19.098084	78.845581	20.01	I
7	19.092612	78.844997	12.40	I
8	19.114143	78.837681	9.52	I
9	19.101146	78.843656	8.00	I
10	19.089546	78.846472	9.19	I
11	19.115834	78.836724	8.81	II
12	19.113832	78.843083	29.95	II
13	19.116718	78.846214	13.44	IV
14	19.113337	78.848956	7.41	IV
15	19.120159	78.848252	16.87	IV
16	19.097031	78.851224	18.38	IV
17	19.105932	78.843868	7.04	IV
18	19.126346	78.845584	8.92	IV
19	19.130467	78.846709	20.52	IV
20	19.125872	78.837597	8.14	IV
21	19.132306	78.847392	9.37	IV
22	19.124672	78.857781	9.90	IV
23	19.117538	78.848902	7.15	IV
24	19.118659	78.839237	10.87	IV
25	19.124214	78.846629	13.07	IV
26	19.106594	78.843333	7.07	IV
27	19.127816	78.846611	14.28	IV
28	19.123444	78.849835	7.32	IV
29	19.110206	78.848615	8.54	IV
30	19.113052	78.847534	7.94	IV

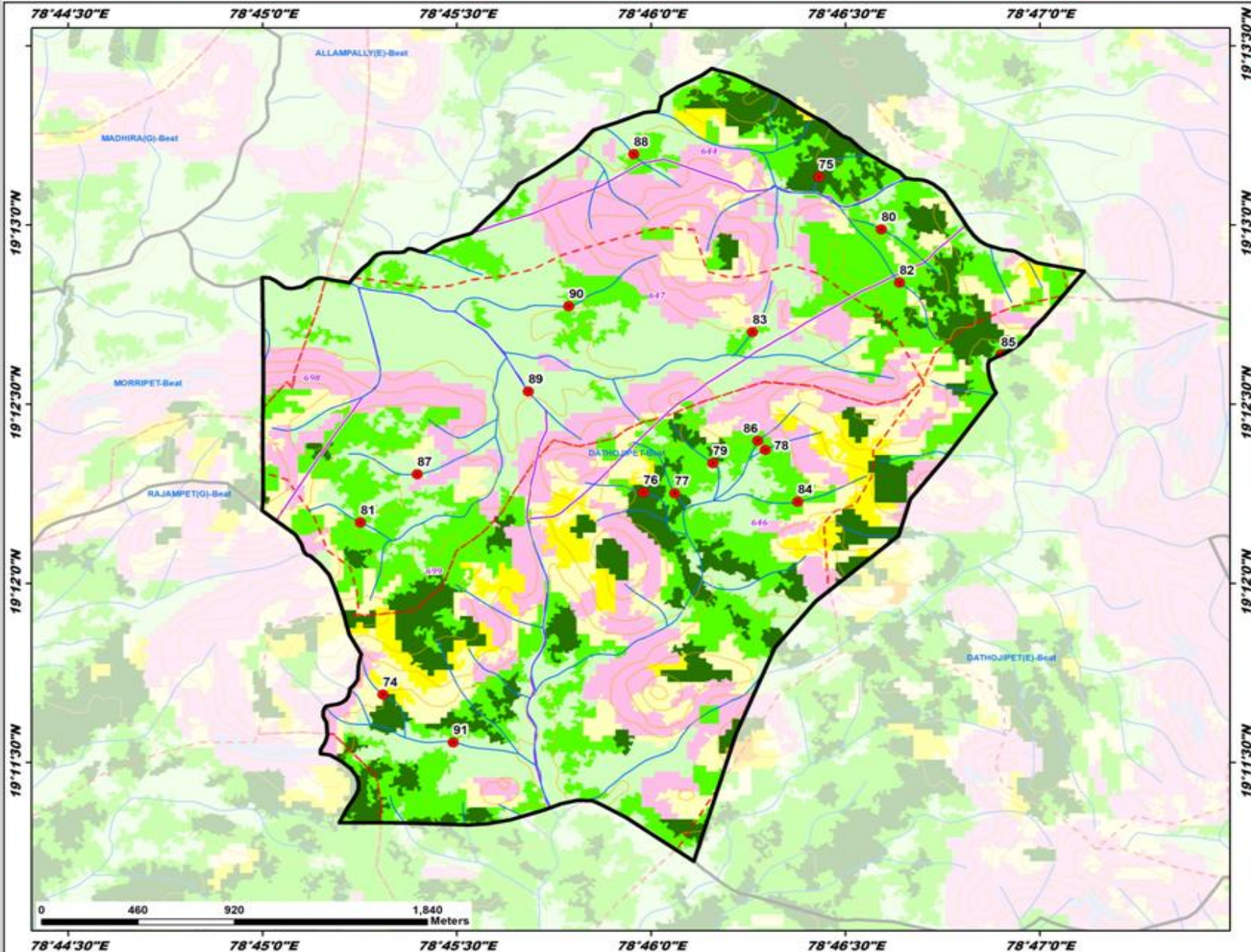
**LEGEND**

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

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



Division : Khanapur  
Range : Kaddam



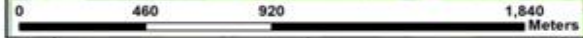
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
74	19.194837	78.755168	10.00	I
75	19.218907	78.773859	12.39	I
76	19.204231	78.766340	6.05	I
77	19.204189	78.767681	7.15	II
78	19.206211	78.771570	6.97	II
79	19.205587	78.769316	8.61	II
80	19.216464	78.776547	11.91	II
81	19.202826	78.754212	7.77	II
82	19.213984	78.777330	17.20	II
83	19.211690	78.771017	8.76	II
84	19.203795	78.772966	12.19	II
85	19.210639	78.781479	12.21	II
86	19.206627	78.771246	4.66	II
87	19.205079	78.756635	11.52	IV
88	19.219959	78.765924	8.99	IV
89	19.208926	78.761403	9.42	IV
90	19.212890	78.763145	24.95	IV
91	19.192606	78.758184	48.47	V

**LEGEND**

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

**Suitability Index**

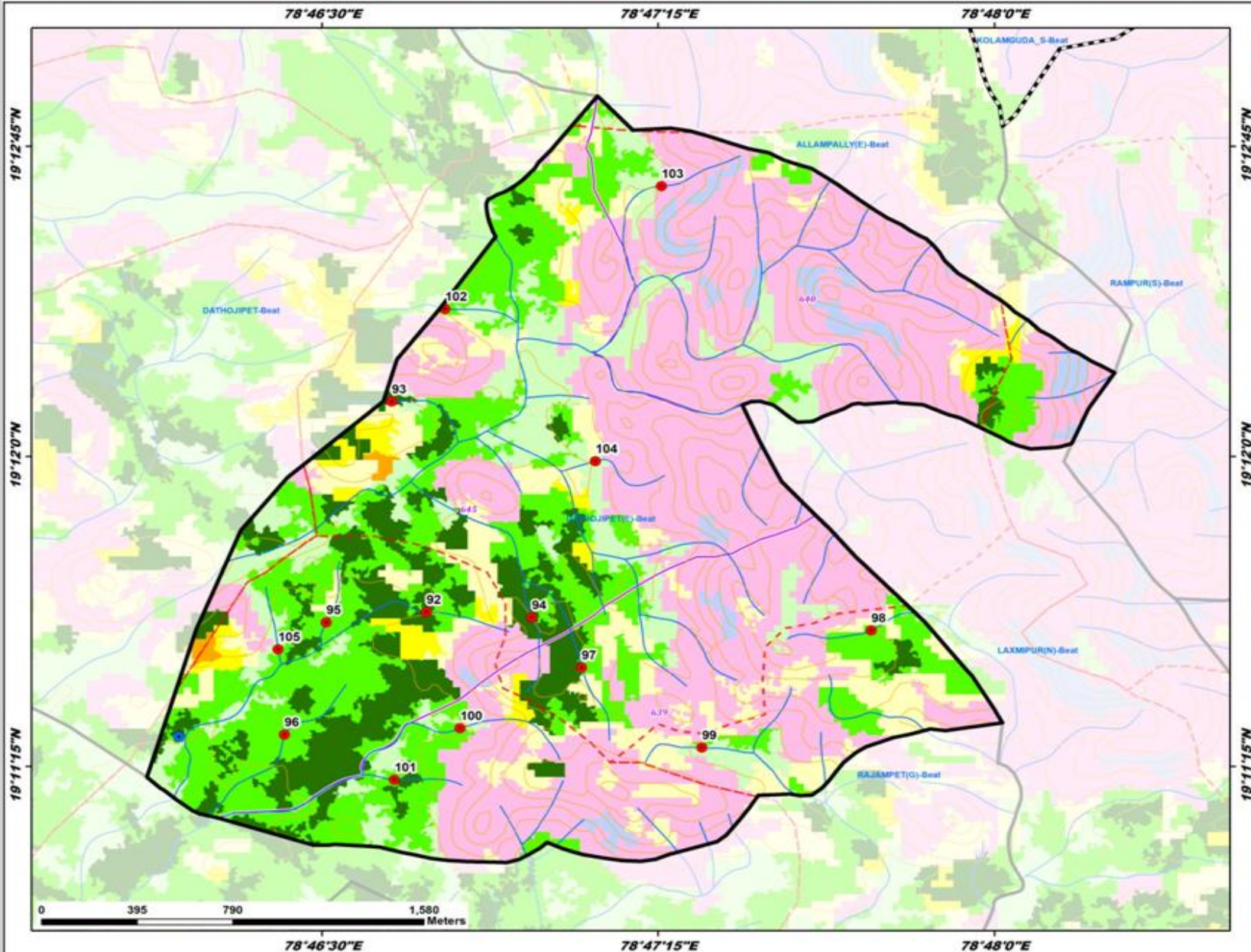
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Khanapur  
Range : Kaddam



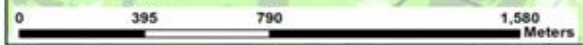
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
92	19.193728	78.778880	12.83	I
93	19.202211	78.777600	9.48	I
94	19.193511	78.782806	5.80	I
95	19.193317	78.775166	6.79	II
96	19.188788	78.773612	12.33	II
97	19.191492	78.784658	11.83	II
98	19.192986	78.795424	5.74	II
99	19.188263	78.789128	7.38	II
100	19.189047	78.780139	15.10	II
101	19.186974	78.777602	8.40	II
102	19.205948	78.779577	14.69	II
103	19.210896	78.787625	10.68	IV
104	19.199810	78.785169	16.80	IV
105	19.192231	78.773368	10.09	IV

**LEGEND**

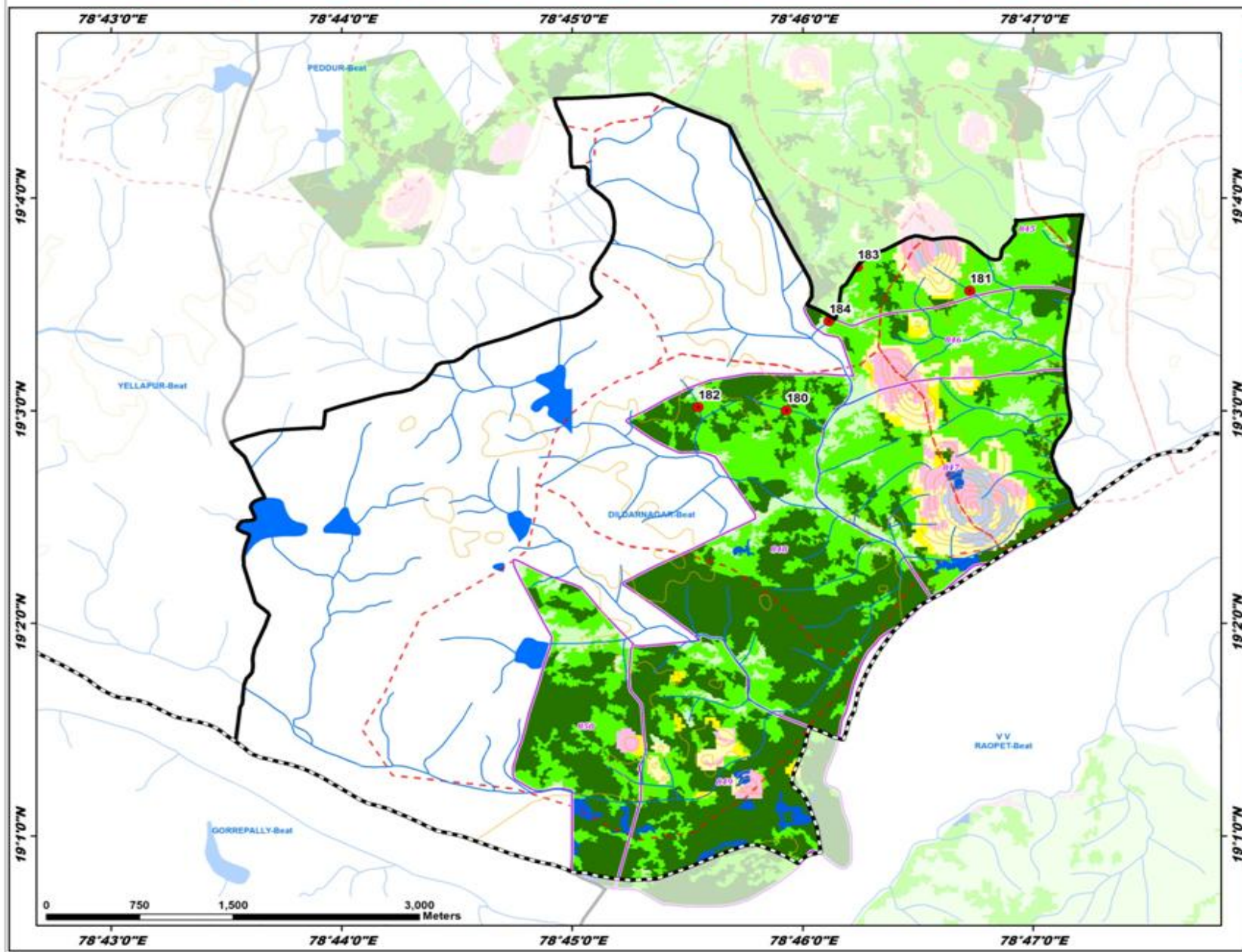
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

**Suitability Index**

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



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



Division : Khanapur  
Range : Kaddam

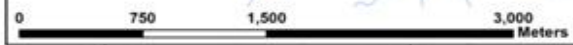
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
180	19.050037	78.765485	10.74	III
181	19.059398	78.778754	6.20	III
182	19.050276	78.759122	17.45	III
183	19.061259	78.770626	24.89	III
184	19.057014	78.768576	49.73	III

**LEGEND**

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

**Suitability Index**

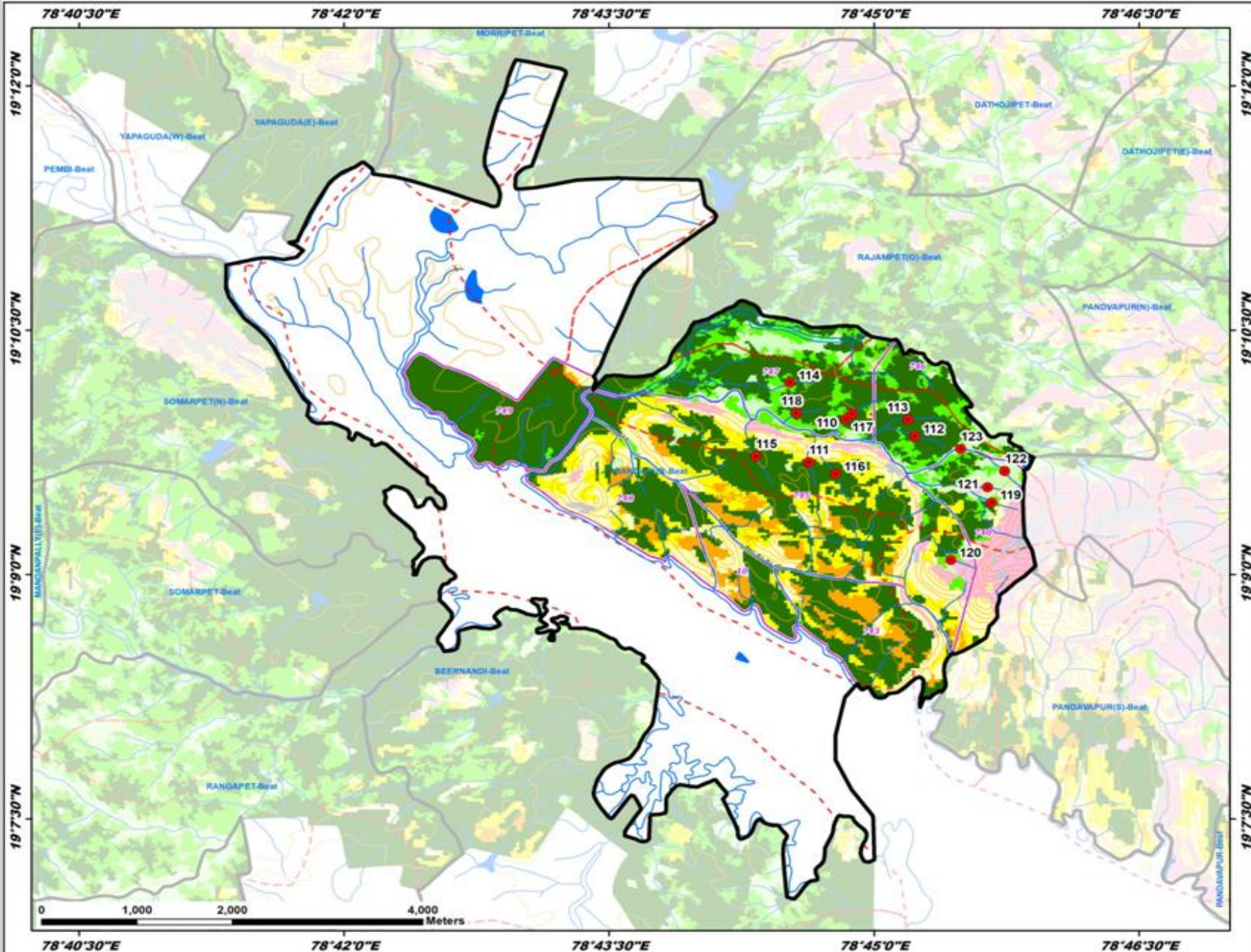
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Khanapur  
Range : Kaddam



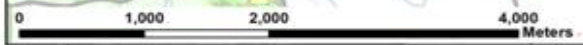
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
110	19.165943	78.747369	4.74	I
111	19.164499	78.743855	9.53	I
112	19.164151	78.753843	13.84	I
113	19.165866	78.753207	8.70	I
114	19.169640	78.742090	10.15	I
115	19.162114	78.738833	12.80	I
116	19.160323	78.746382	9.80	I
117	19.166455	78.747932	12.65	I
118	19.165512	78.742692	16.46	I
119	19.157390	78.761109	12.00	IV
120	19.152500	78.757263	8.58	IV
121	19.158935	78.760734	6.86	IV
122	19.160613	78.762330	16.73	IV
123	19.162871	78.758184	29.05	V

**LEGEND**

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

**Suitability Index**

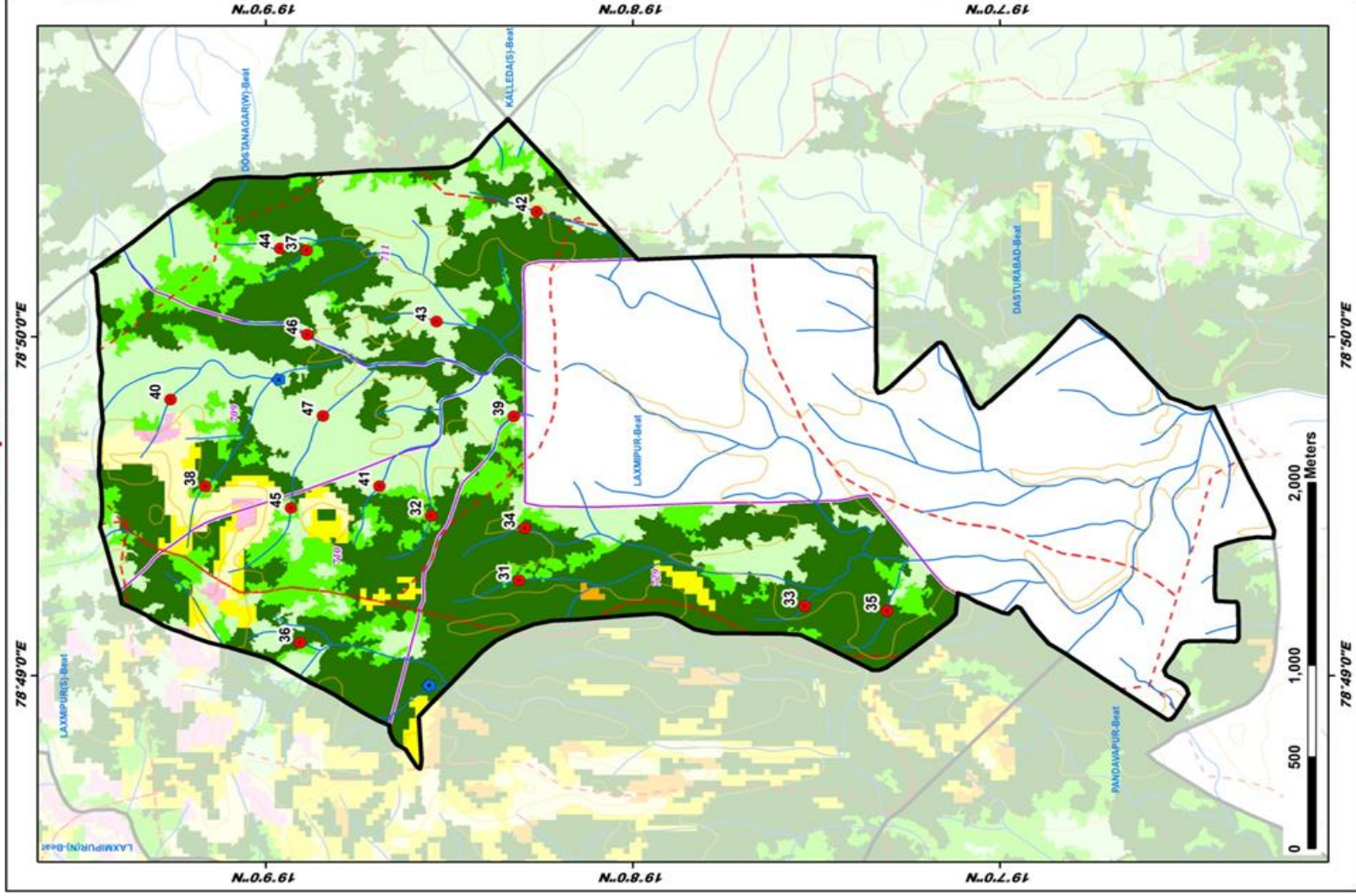
- CCTs/SCTs - Highly Suitable (Dark Green)
- CCTs/SCTs - Moderately Suitable (Light Green)
- CCTs/SCTs - Least Suitable (Yellow)
- PTs - Highly Suitable (Dark Green)
- PTs - Moderately Suitable (Light Green)
- PTs - Least Suitable (Yellow)
- MPTs and SGPts - Suitable (Pink)
- Not Suitable (White)
- Water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



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



Division : Khanapur  
Range : Kaddam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
31	19.139888	78.821367	18.13	I
32	19.142482	78.824531	8.93	I
33	19.125525	78.820112	9.06	I
34	19.138222	78.829848	11.26	I
35	19.127796	78.819865	10.19	I
36	19.148438	78.818066	4.66	I
37	19.148129	78.837594	6.32	I
38	19.152742	78.826001	9.91	II
39	19.138734	78.829440	6.56	IV
40	19.154322	78.830054	7.21	IV
41	19.148829	78.826001	9.85	IV
42	19.137697	78.839503	10.93	IV
43	19.142239	78.834095	8.69	IV
44	19.149339	78.837666	8.05	IV
45	19.148847	78.826926	20.89	IV
46	19.148513	78.833462	9.67	IV
47	19.147392	78.829456	34.96	V

### LEGEND

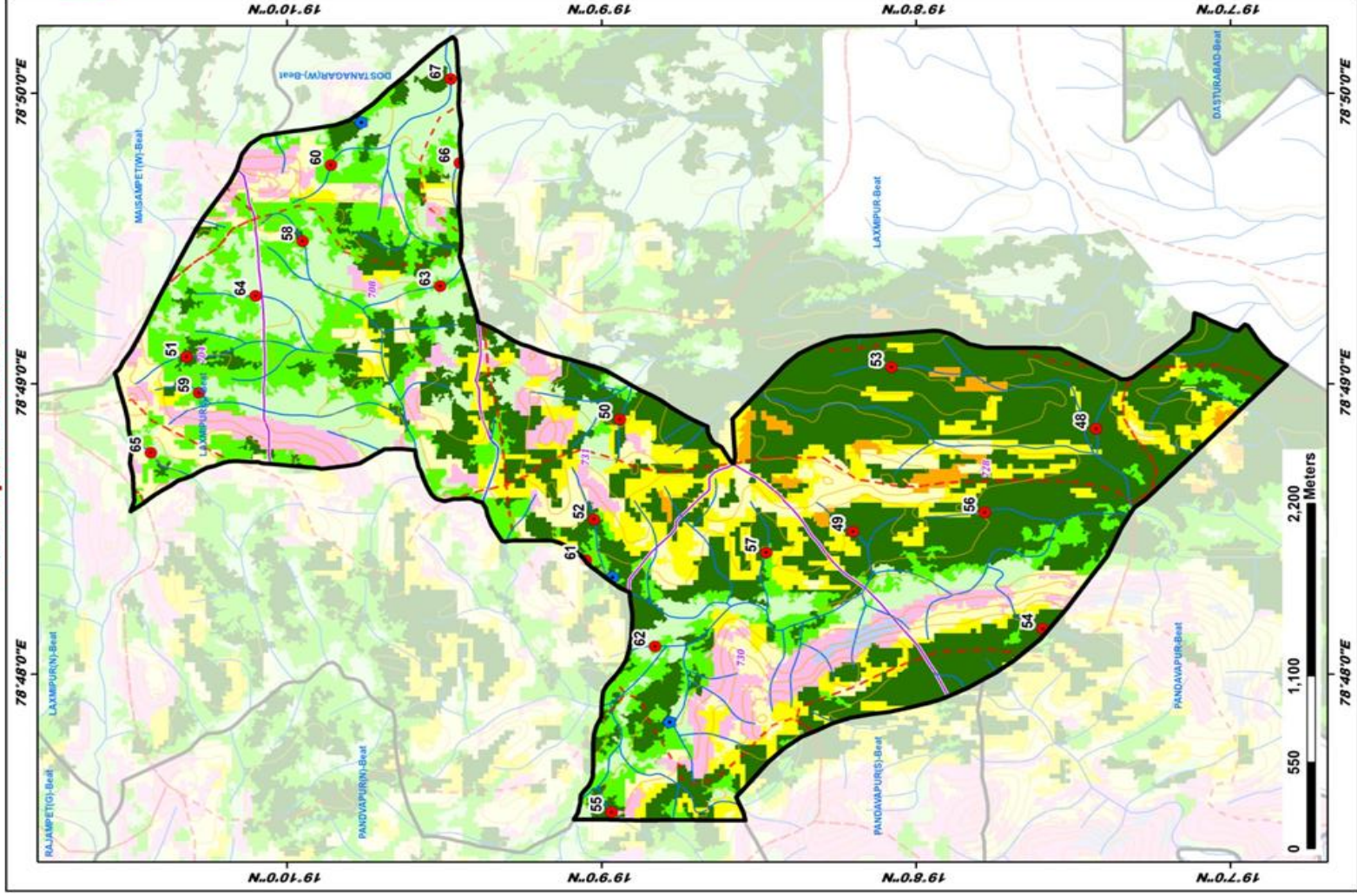
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable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



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



Division : Khanapur  
Range : Kaddam

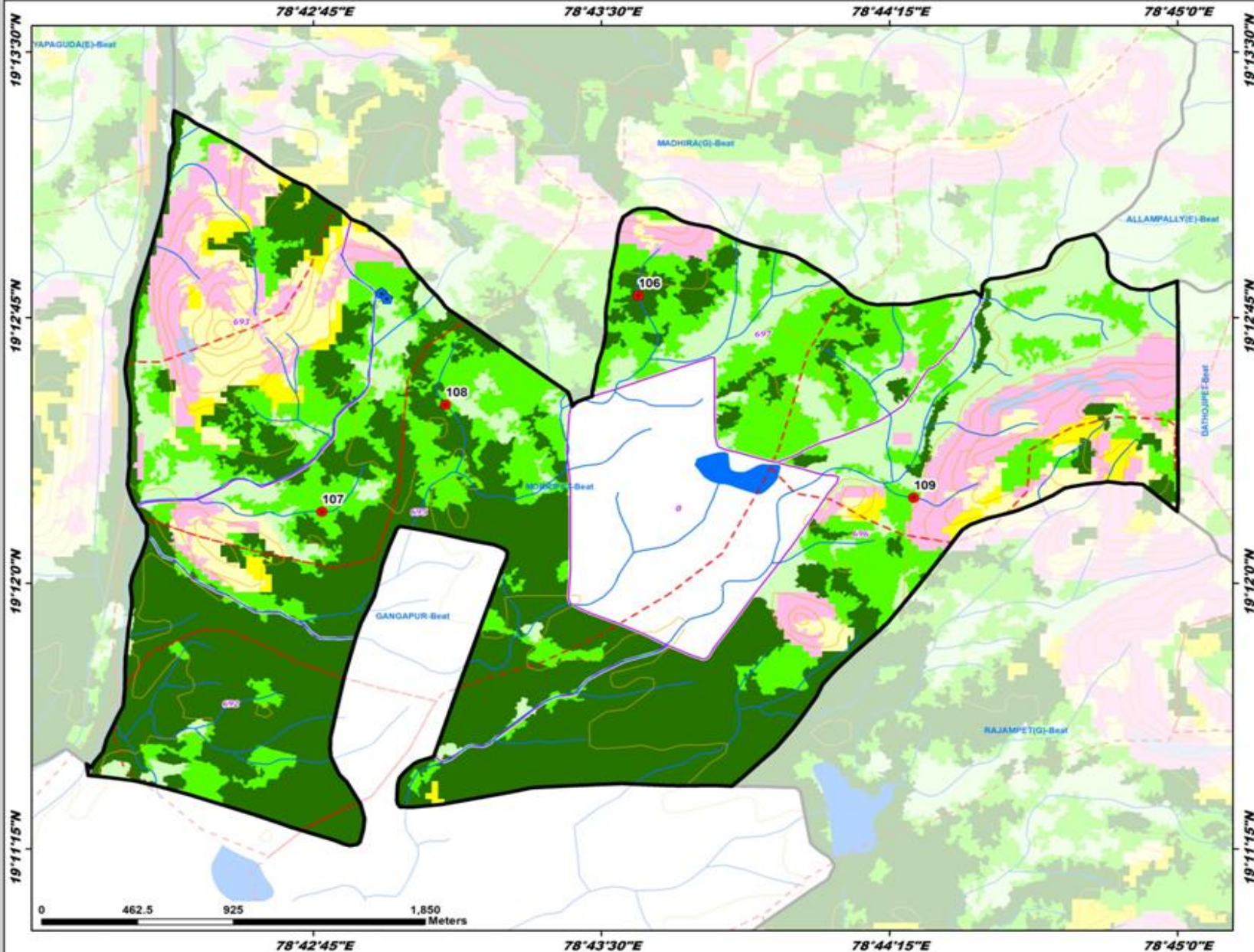


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
48	19.122991	78.814104	8.52	I
49	19.136676	78.808202	9.20	I
50	19.149017	78.814655	5.81	I
51	19.173992	78.818224	8.23	I
52	19.150991	78.808906	14.05	I
53	19.134823	78.817642	14.46	I
54	19.126609	78.802821	9.54	I
55	19.149466	78.792101	7.75	I
56	19.129682	78.809313	10.52	I
57	19.141257	78.807906	10.52	II
58	19.160845	78.824874	9.41	II
59	19.171328	78.816162	9.12	II
60	19.164331	78.829236	12.09	II
61	19.150836	78.806973	8.38	II
62	19.147163	78.801624	6.07	II
63	19.158555	78.822294	6.31	II
64	19.168337	78.821794	15.29	II
65	19.173874	78.812738	17.80	IV
66	19.157514	78.829365	9.56	IV
67	19.157990	78.834175	80.71	V

### LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Kaddam

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
106	19.213538	78.726597	18.03	I
107	19.203378	78.712861	16.29	II
108	19.208434	78.718240	18.83	II
109	19.204036	78.738547	8.64	III

**LEGEND**

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

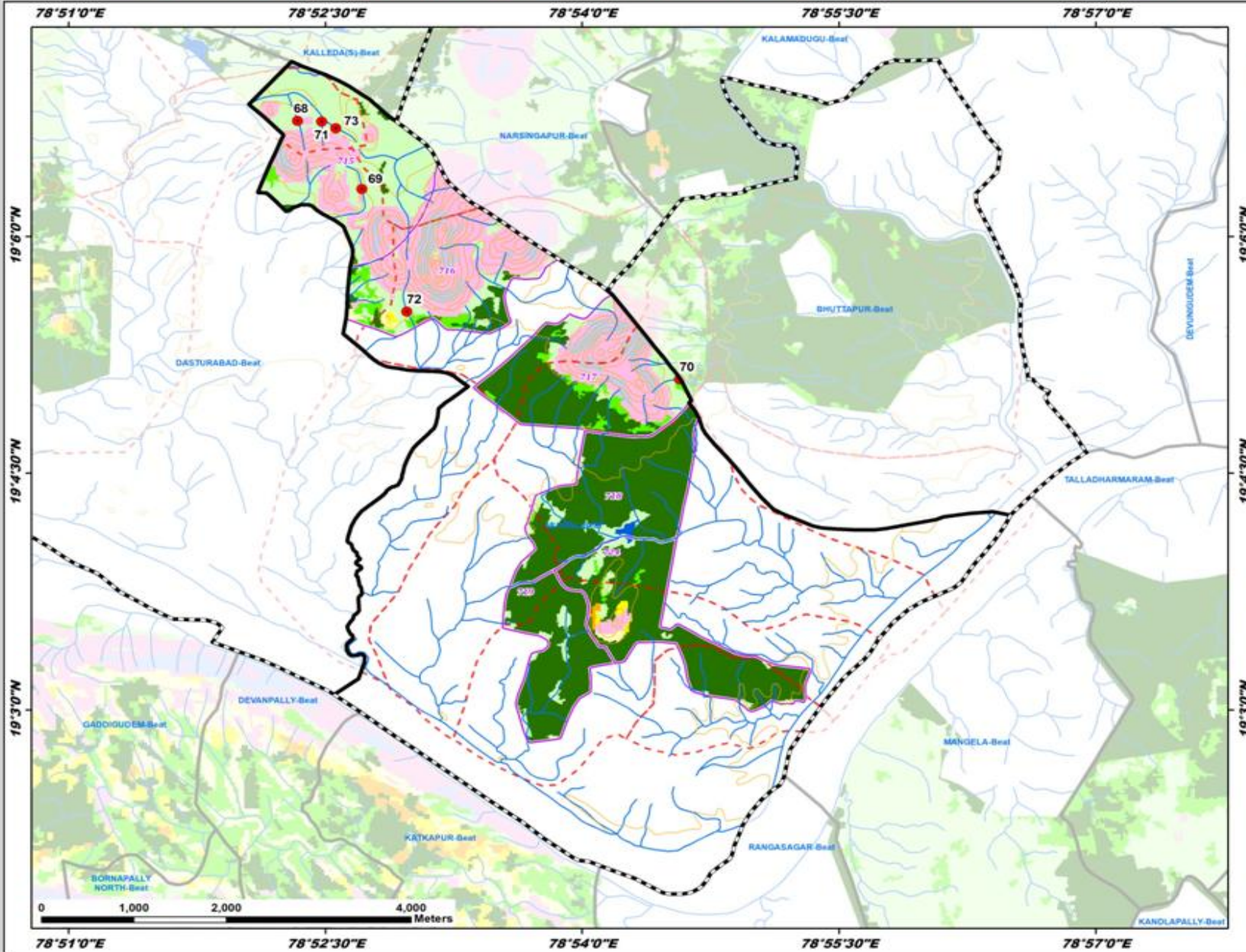
**Suitability Index**

- 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 Munial Beat



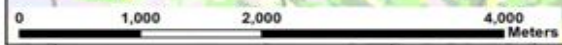
Division : Khanapur  
Range : Kaddam



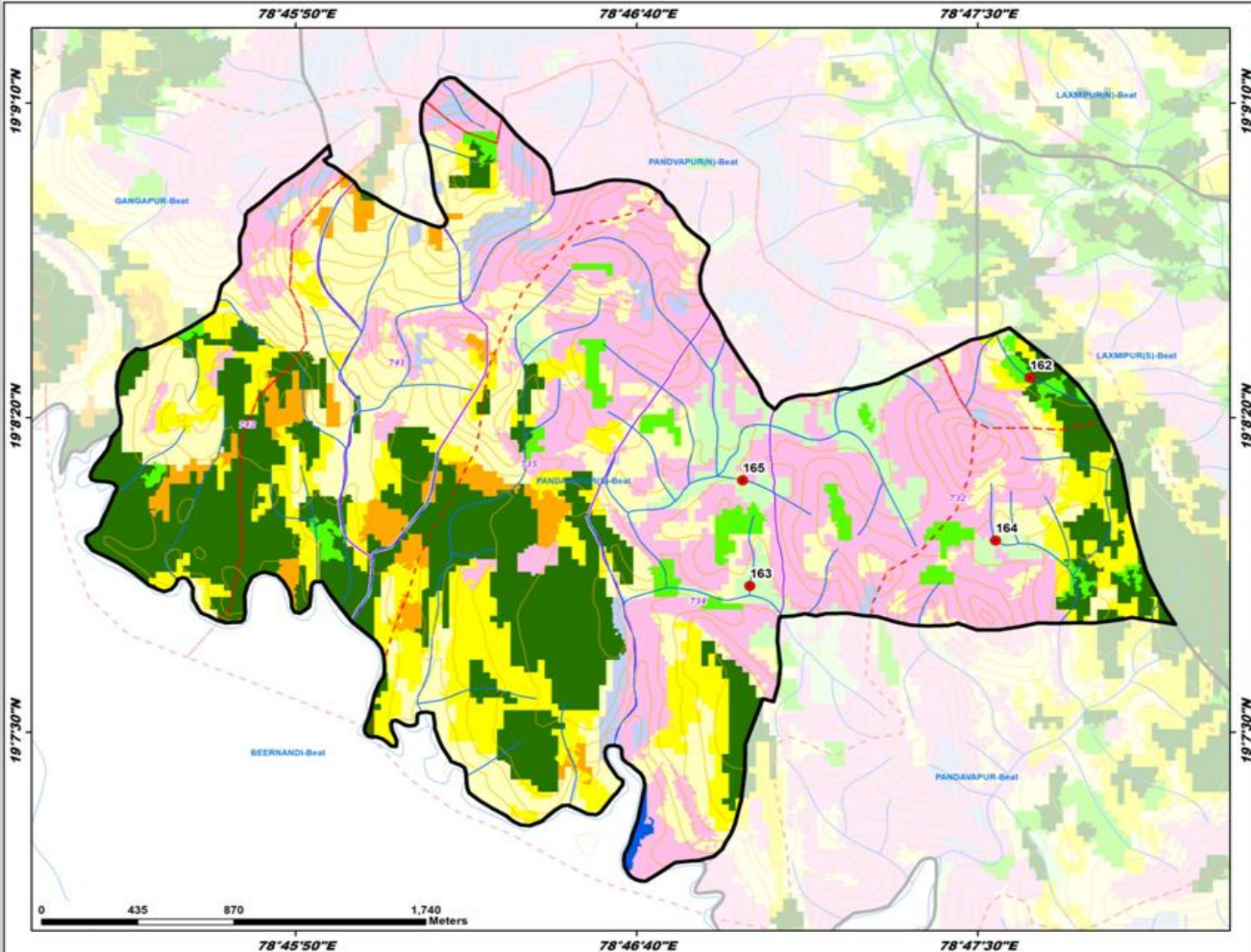
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
66	19.112206	78.872285	8.00	IV
69	19.105029	78.878554	10.53	IV
70	19.084917	78.909500	7.83	IV
71	19.112128	78.874657	5.82	IV
72	19.092063	78.882942	16.81	IV
73	19.111420	78.876626	9.61	IV

**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 Pandavapur South Beat



Division : Khanapur  
Range : Kaddam

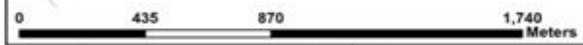
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
162	19.140660	78.793797	19.07	II
163	19.131461	78.792388	11.12	IV
164	19.133465	78.792394	7.04	IV
165	19.136129	78.782093	11.46	IV

**LEGEND**

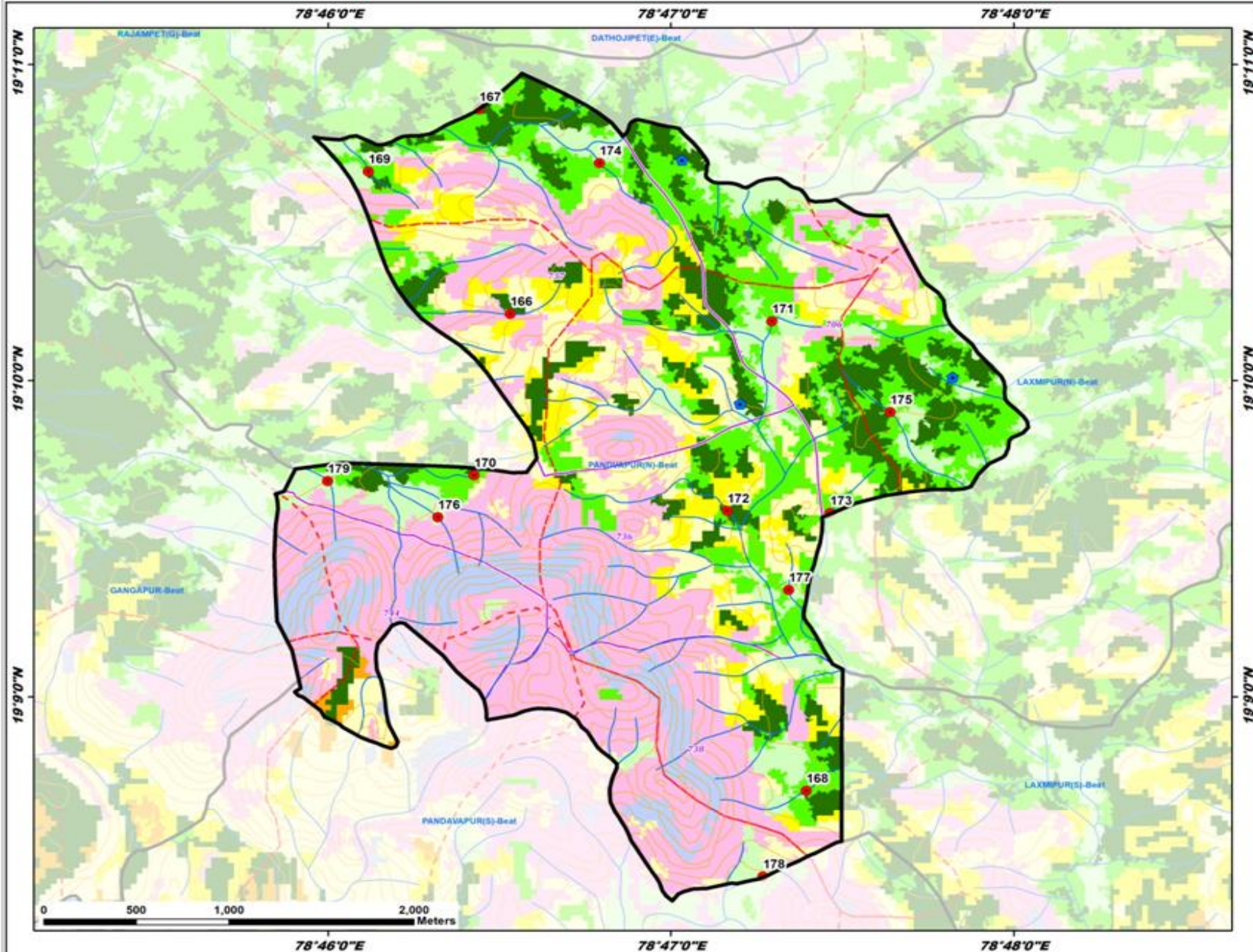
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

**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 Pandavapur North Beat



Division : Khanapur  
Range : Kaddam

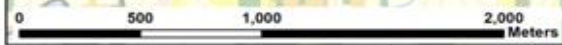
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
166	19.170192	78.775526	16.39	I
167	19.180976	78.774008	18.17	I
168	19.145054	78.789921	16.87	II
169	19.177696	78.766630	11.30	II
170	19.163684	78.773767	12.53	II
171	19.169802	78.788251	15.41	II
172	19.159809	78.786076	33.14	II
173	19.159699	78.791072	14.95	II
174	19.178340	78.779866	29.77	III
175	19.165018	78.793991	10.02	IV
176	19.159471	78.772003	5.71	IV
177	19.155647	78.789069	4.94	IV
178	19.140538	78.787808	9.99	IV
179	19.163381	78.766646	11.73	IV

**LEGEND**

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

**Suitability Index**

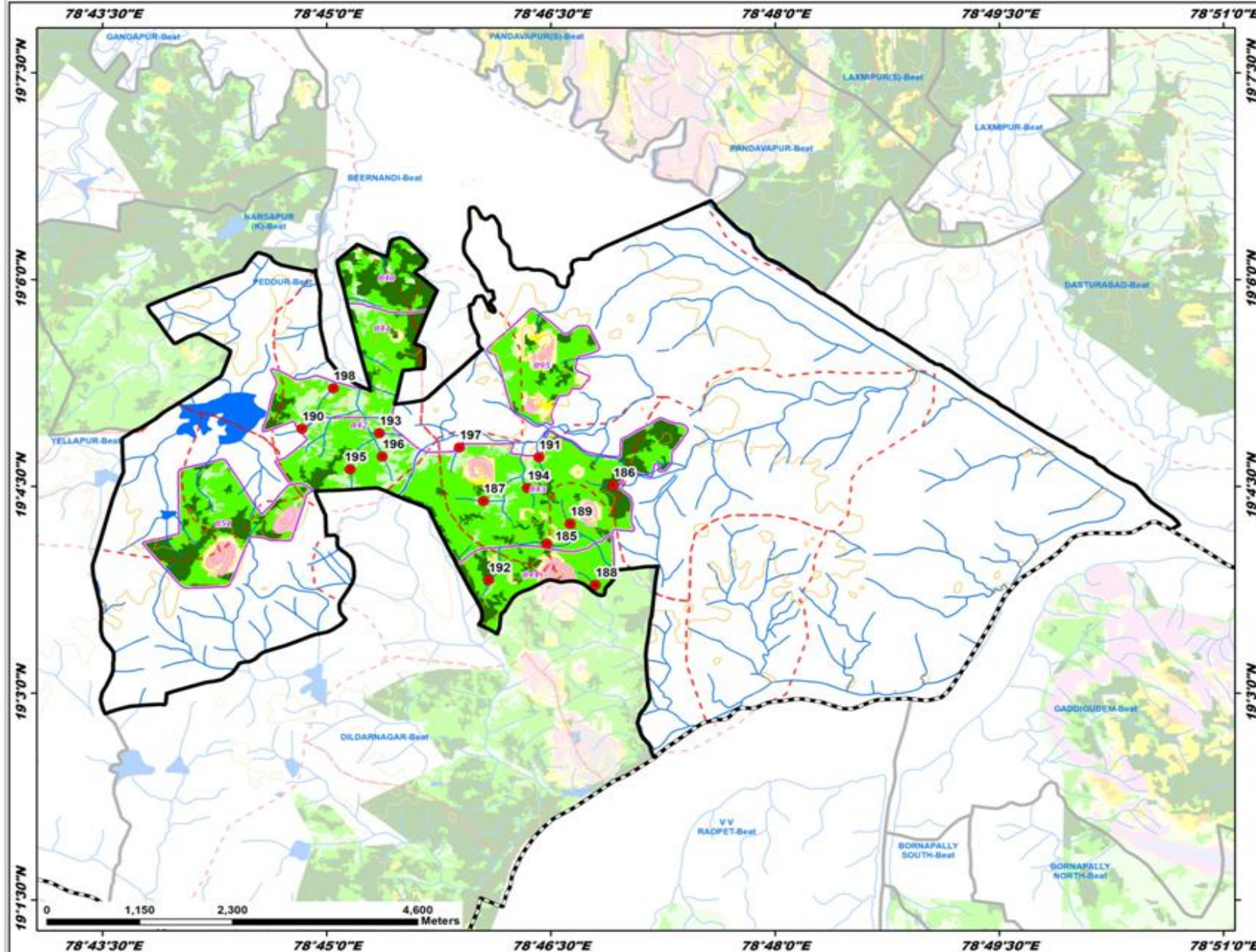
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Khanapur  
Range : Kaddam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
185	19.068091	78.774547	18.61	I
186	19.075191	78.781935	17.57	I
187	19.073250	78.767501	23.04	II
188	19.063095	78.779964	9.87	II
189	19.070485	78.777174	22.59	II
190	19.081994	78.747241	10.51	II
191	19.078531	78.773660	15.22	II
192	19.063685	78.768053	25.85	III
193	19.081443	78.755885	8.09	IV
194	19.074816	78.772375	10.64	IV
195	19.077089	78.752614	23.53	IV
196	19.078612	78.756214	15.12	IV
197	19.079733	78.764811	12.42	IV
198	19.086892	78.750746	31.41	V

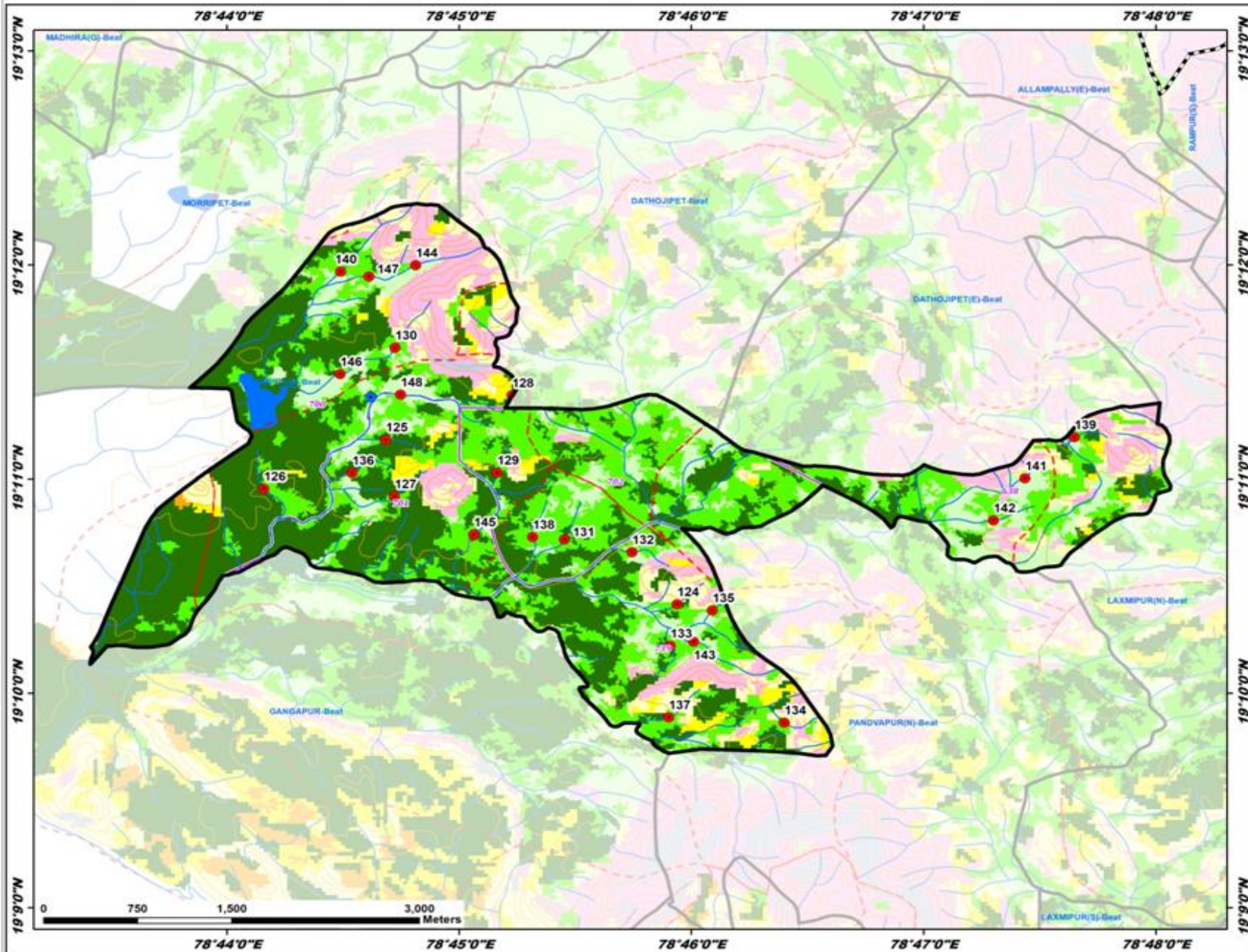
**LEGEND**

- 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 Rajampet G Beat



Division : Khanapur  
Range : Kaddam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
124	19.173612	78.765664	5.26	I
125	19.186415	78.744722	9.01	I
126	19.182597	78.735968	22.93	I
127	19.181996	78.745364	12.66	I
128	19.189859	78.753791	9.40	I
129	19.183838	78.752727	9.54	I
130	19.193564	78.745393	36.87	II
131	19.178647	78.757567	22.94	II
132	19.177651	78.762419	9.06	II
133	19.170376	78.765149	36.01	II
134	19.164391	78.773337	5.93	II
135	19.173137	78.768173	12.66	II
136	19.183825	78.742317	12.16	II
137	19.164805	78.765038	10.39	II
138	19.178844	78.755271	10.34	IV
139	19.186630	78.794173	9.10	IV
140	19.199497	78.741498	50.88	IV
141	19.183408	78.790623	17.10	IV
142	19.180140	78.788356	10.21	IV
143	19.170688	78.766827	29.70	V
144	19.199995	78.746883	47.17	V
145	19.179025	78.751042	53.04	III
146	19.191524	78.741453	36.87	III
147	19.199112	78.741522	62.24	V
148	19.189915	78.745800	59.70	V

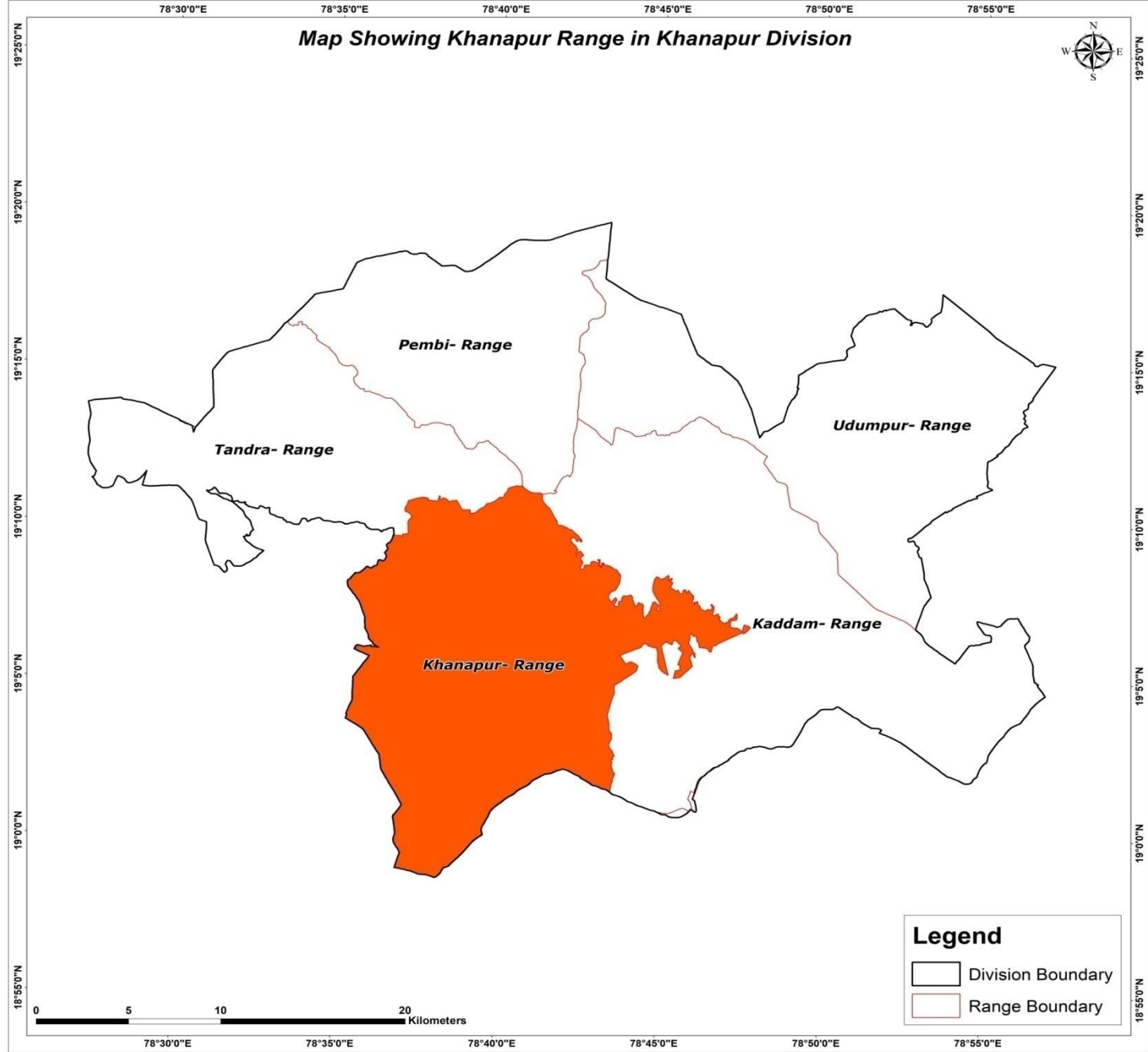
**LEGEND**

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

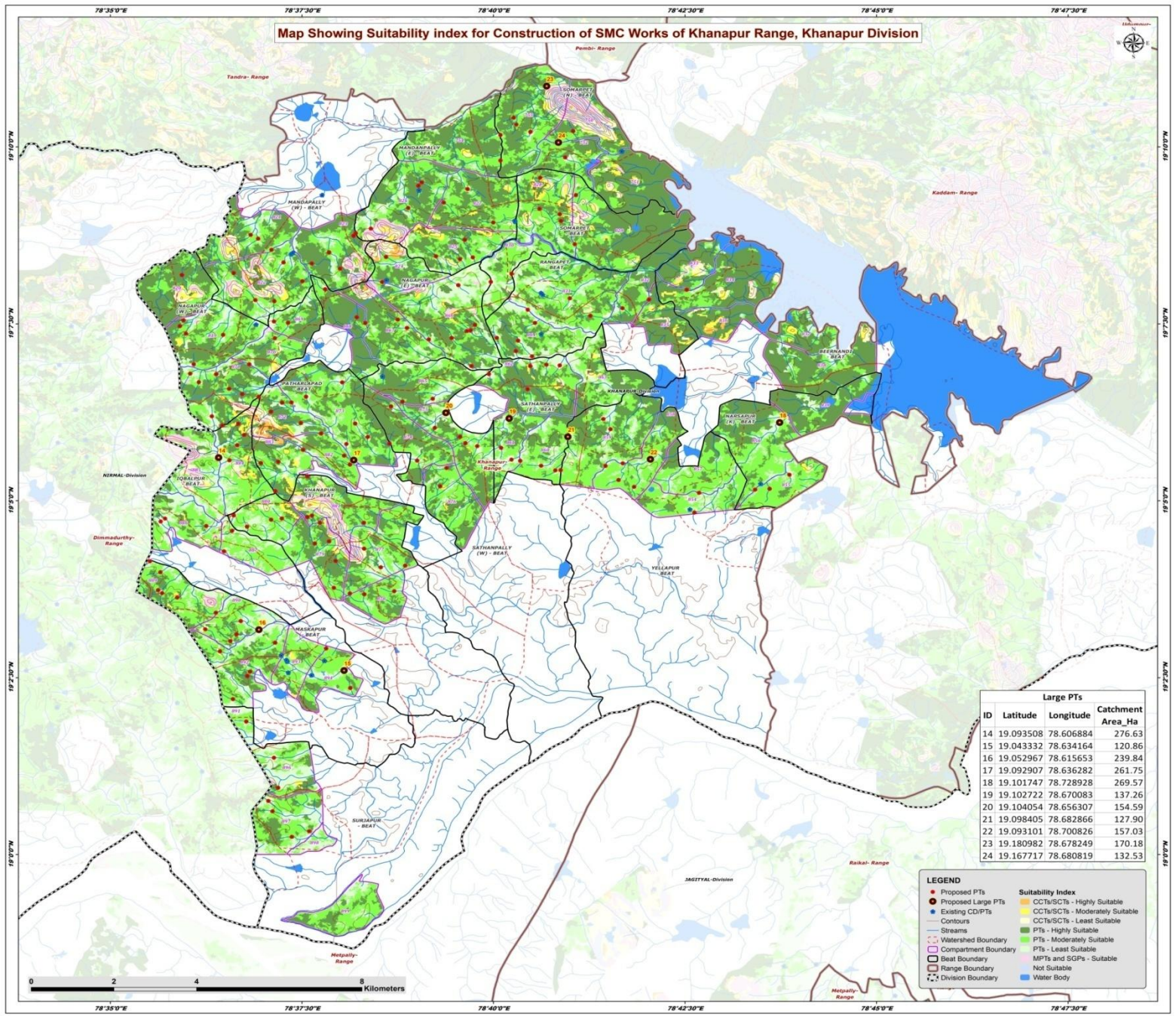
**Suitability Index**

- 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 Khanapur Range in Khanapur Division



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



Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
14	19.093508	78.606884	276.63
15	19.043332	78.634164	120.86
16	19.052967	78.615653	239.84
17	19.092907	78.636282	261.75
18	19.101747	78.728928	269.57
19	19.102722	78.670083	137.26
20	19.104054	78.656307	154.59
21	19.098405	78.682866	127.90
22	19.093101	78.700826	157.03
23	19.180982	78.678249	170.18
24	19.167717	78.680819	132.53

**LEGEND**

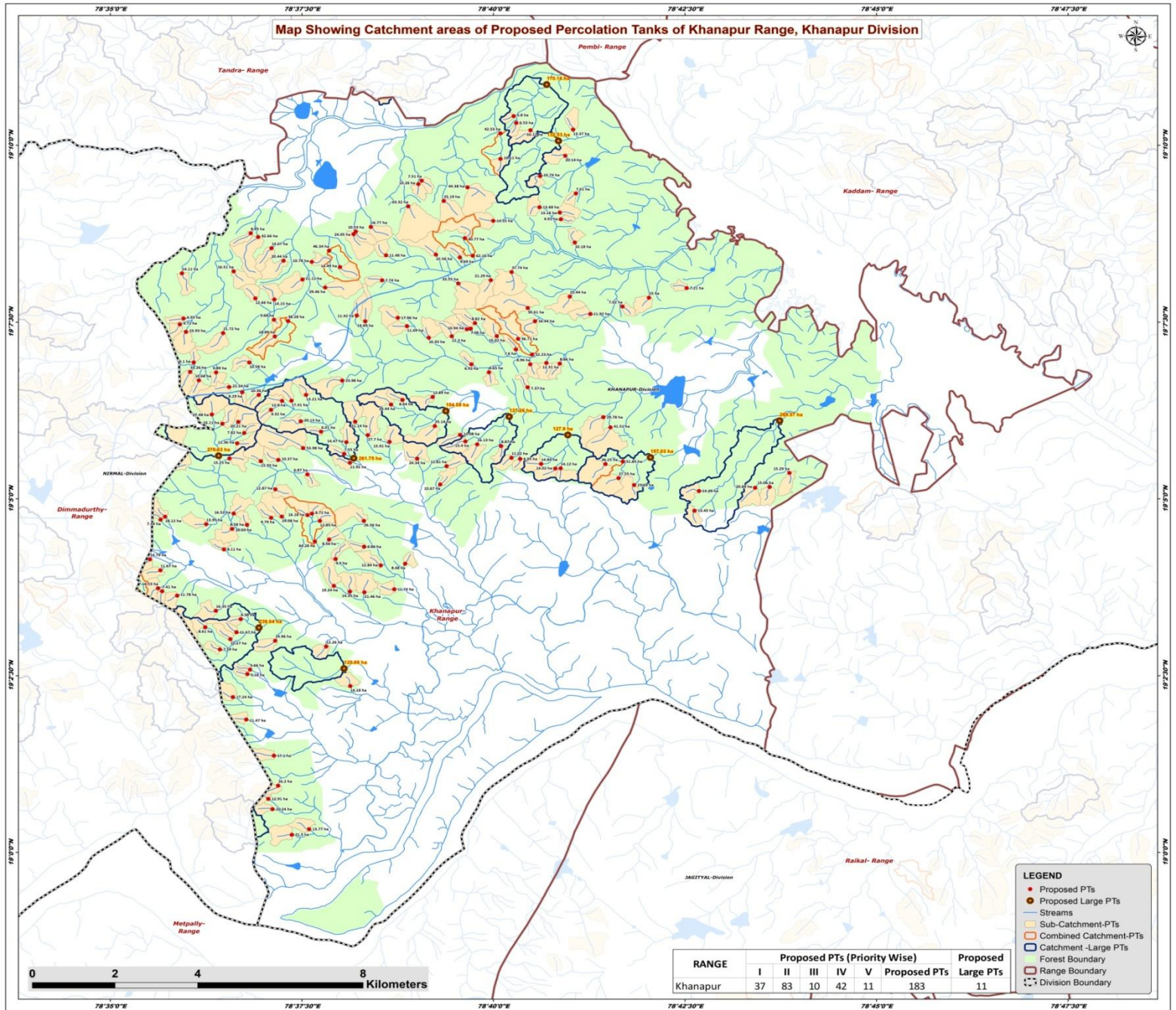
- Proposed PTs
- Proposed Large PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Range Boundary
- Division Boundary

**Suitability Index**

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MFTs and SGP - Suitable
- Not Suitable
- Water Body

0 2 4 8 Kilometers

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



**LEGEND**

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

RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Khanapur	37	83	10	42	11	183

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

S. No.	Beat	Proposed PT's
1	BEERNANDI	1
2	IQBALPUR	10
3	KHANAPUR SOUTH	19
4	MANDANPALLY(E)	13
5	MANDAPALLY(W)	13
6	MASKAPUR	17
7	NAGAPUR(E)	14
8	NAGAPUR(W)	17
9	NARSAPUR (K)	3
10	PATHARLAPAD	17
11	RANGAPET	10
12	SATHANPALLY(E)	11
13	SATHANPALLY(W)	10
14	SOMARPET	8
15	SOMARPET(N)	5
16	SURJAPUR	7
17	YELLAPUR	8
	<b>Total</b>	<b>183</b>

## List of Proposed PTs – Khanapur 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
199	19.101457	78.611162	20.21	I	IQBALPUR	239	19.066508	78.594223	11.67	II	MASKAPUR	279	19.145943	78.613853	8.95	IV	MANDAPALLY(W)
200	19.107838	78.615627	10.36	I	IQBALPUR	240	19.048525	78.630283	12.26	II	MASKAPUR	280	19.145059	78.615497	42.66	V	MANDAPALLY(W)
201	19.098860	78.612440	7.82	I	IQBALPUR	241	19.049892	78.619206	14.96	II	MASKAPUR	281	19.141835	78.630922	46.34	II	MANDAPALLY(W)
202	19.076242	78.609826	18.69	II	IQBALPUR	242	19.062264	78.593728	16.53	II	MASKAPUR	282	19.123489	78.661723	7.06	I	NAGAPUR(E)
203	19.071438	78.608042	8.11	II	IQBALPUR	243	19.069091	78.591959	14.79	IV	MASKAPUR	283	19.124757	78.662653	8.82	I	NAGAPUR(E)
204	19.079135	78.595228	18.12	II	IQBALPUR	244	19.050281	78.609442	10.27	IV	MASKAPUR	284	19.115064	78.661899	6.92	I	NAGAPUR(E)
205	19.077362	78.604180	13.95	II	IQBALPUR	245	19.092221	78.616073	15.93	I	PATHARLAPAD	285	19.126550	78.636934	11.42	I	NAGAPUR(E)
206	19.092843	78.609257	15.25	II	IQBALPUR	246	19.092516	78.619875	10.37	I	PATHARLAPAD	286	19.140739	78.643299	11.48	II	NAGAPUR(E)
207	19.078425	78.594276	7.34	IV	IQBALPUR	247	19.101629	78.624762	20.13	I	PATHARLAPAD	287	19.123310	78.660896	10.94	II	NAGAPUR(E)
208	19.096417	78.610938	11.36	IV	IQBALPUR	248	19.096770	78.644055	15.91	I	PATHARLAPAD	288	19.134855	78.642447	7.74	II	NAGAPUR(E)
209	19.069158	78.632333	9.30	I	KHANAPUR SOUTH	249	19.104311	78.618284	9.32	I	PATHARLAPAD	289	19.126002	78.645867	17.96	II	NAGAPUR(E)
210	19.078133	78.628933	12.85	I	KHANAPUR SOUTH	250	19.093938	78.634202	7.55	II	PATHARLAPAD	290	19.125191	78.638790	14.89	II	NAGAPUR(E)
211	19.089101	78.626216	6.87	I	KHANAPUR SOUTH	251	19.106468	78.622731	17.41	II	PATHARLAPAD	291	19.134114	78.659045	33.55	III	NAGAPUR(E)
212	19.079150	78.620645	24.08	II	KHANAPUR SOUTH	252	19.106430	78.620681	12.80	II	PATHARLAPAD	292	19.124027	78.647872	11.69	IV	NAGAPUR(E)
213	19.072043	78.638550	6.86	II	KHANAPUR SOUTH	253	19.099160	78.629201	6.01	II	PATHARLAPAD	293	19.121663	78.657602	12.30	IV	NAGAPUR(E)
214	19.079848	78.627201	8.72	II	KHANAPUR SOUTH	254	19.101527	78.636594	21.14	II	PATHARLAPAD	294	19.121331	78.652600	16.93	IV	NAGAPUR(E)
215	19.079512	78.626220	16.18	II	KHANAPUR SOUTH	255	19.085584	78.619230	12.87	II	PATHARLAPAD	295	19.133150	78.630062	29.46	V	NAGAPUR(E)
216	19.068033	78.647475	8.48	II	KHANAPUR SOUTH	256	19.091846	78.635461	11.92	II	PATHARLAPAD	296	19.136498	78.598911	14.11	I	NAGAPUR(W)
217	19.073739	78.630914	8.56	II	KHANAPUR SOUTH	257	19.095301	78.625281	53.98	III	PATHARLAPAD	297	19.124473	78.598456	9.71	I	NAGAPUR(W)
218	19.078860	78.618321	9.79	II	KHANAPUR SOUTH	258	19.111216	78.633774	23.98	IV	PATHARLAPAD	298	19.108484	78.612013	8.29	I	NAGAPUR(W)
219	19.061302	78.638601	21.46	II	KHANAPUR SOUTH	259	19.096688	78.634667	14.47	IV	PATHARLAPAD	299	19.101035	78.607709	16.11	I	NAGAPUR(W)
220	19.067634	78.642156	12.84	II	KHANAPUR SOUTH	260	19.107821	78.625910	13.21	IV	PATHARLAPAD	300	19.121618	78.619123	18.89	II	NAGAPUR(W)
221	19.061495	78.635452	14.35	II	KHANAPUR SOUTH	261	19.098352	78.639344	27.70	V	PATHARLAPAD	301	19.111277	78.602597	10.68	II	NAGAPUR(W)
222	19.062831	78.631964	19.24	II	KHANAPUR SOUTH	262	19.010187	78.618604	10.24	II	SURJAPUR	302	19.125860	78.599262	6.93	II	NAGAPUR(W)
223	19.062021	78.645106	11.74	II	KHANAPUR SOUTH	263	19.031332	78.612896	11.47	II	SURJAPUR	303	19.109695	78.609167	22.34	II	NAGAPUR(W)
224	19.078146	78.638484	26.56	III	KHANAPUR SOUTH	264	19.004173	78.622817	21.50	II	SURJAPUR	304	19.122408	78.607870	21.72	II	NAGAPUR(W)
225	19.077199	78.613060	8.58	IV	KHANAPUR SOUTH	265	19.012603	78.617695	12.91	IV	SURJAPUR	305	19.113262	78.600696	33.26	III	NAGAPUR(W)
226	19.079888	78.610158	16.52	IV	KHANAPUR SOUTH	266	19.022788	78.618923	17.10	IV	SURJAPUR	306	19.115476	78.613579	10.58	IV	NAGAPUR(W)
227	19.073264	78.627836	64.28	IV	KHANAPUR SOUTH	267	19.005475	78.626571	13.77	IV	SURJAPUR	307	19.122714	78.599786	23.93	IV	NAGAPUR(W)
228	19.042028	78.613138	5.18	I	MASKAPUR	268	19.015722	78.619829	16.20	IV	SURJAPUR	308	19.113134	78.606343	9.89	IV	NAGAPUR(W)
229	19.039206	78.635540	14.18	II	MASKAPUR	269	19.137979	78.633303	14.49	I	MANDAPALLY(W)	309	19.115470	78.601469	6.10	IV	NAGAPUR(W)
230	19.036606	78.610013	17.24	II	MASKAPUR	270	19.145725	78.636256	24.05	I	MANDAPALLY(W)	310	19.125560	78.618924	5.68	IV	NAGAPUR(W)
231	19.051889	78.610762	11.67	II	MASKAPUR	271	19.146337	78.636743	10.53	I	MANDAPALLY(W)	311	19.103219	78.605412	27.48	V	NAGAPUR(W)
232	19.056966	78.606291	16.35	II	MASKAPUR	272	19.136968	78.610163	16.51	I	MANDAPALLY(W)	312	19.125239	78.621998	38.28	III	NAGAPUR(W)
233	19.043065	78.613742	5.66	II	MASKAPUR	273	19.139206	78.627175	10.78	I	MANDAPALLY(W)	313	19.133015	78.708700	7.21	I	BEERNANDI
234	19.061573	78.594585	7.41	II	MASKAPUR	274	19.142429	78.618383	14.67	II	MANDAPALLY(W)	314	19.086130	78.726762	15.06	II	NARSAPUR (K)
235	19.053077	78.603984	8.61	II	MASKAPUR	275	19.135043	78.625127	21.11	II	MANDAPALLY(W)	315	19.085957	78.723611	20.89	II	NARSAPUR (K)
236	19.054982	78.611717	6.38	II	MASKAPUR	276	19.130330	78.619017	14.15	II	MANDAPALLY(W)	316	19.089434	78.731076	15.29	IV	NARSAPUR (K)
237	19.060538	78.597876	11.78	II	MASKAPUR	277	19.139475	78.621001	20.44	II	MANDAPALLY(W)	317	19.121680	78.667391	16.02	I	RANGAPET
238	19.047856	78.607176	7.59	II	MASKAPUR	278	19.130594	78.614872	12.66	IV	MANDAPALLY(W)	318	19.130762	78.700494	15.00	I	RANGAPET

## List of Proposed PTs – Khanapur Range

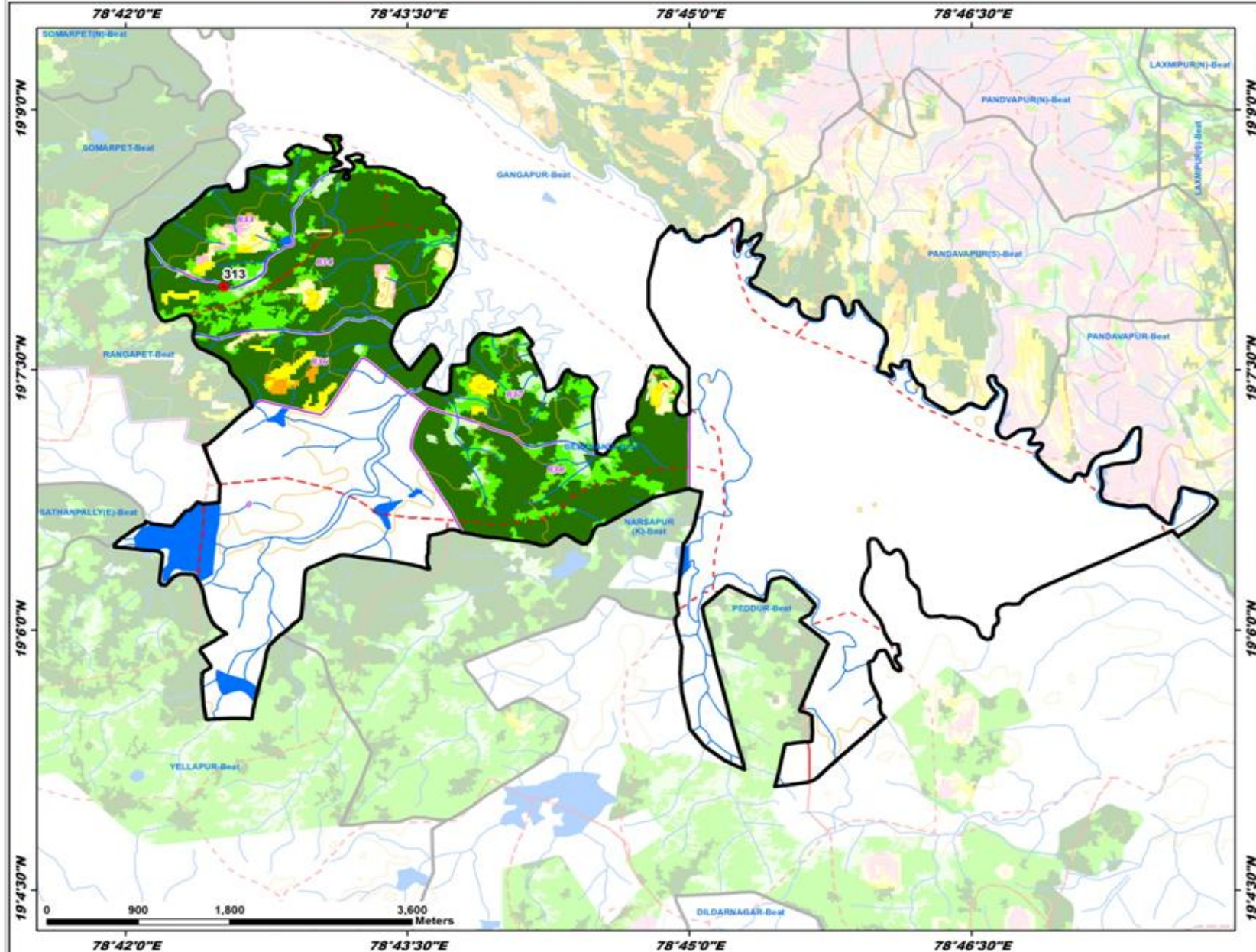
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
319	19.126919	78.687753	11.92	I	RANGAPET
320	19.118573	78.671571	7.60	I	RANGAPET
321	19.121039	78.672034	36.71	II	RANGAPET
322	19.131024	78.683280	25.44	III	RANGAPET
323	19.125217	78.675732	16.44	IV	RANGAPET
324	19.128676	78.694757	7.02	IV	RANGAPET
325	19.128334	78.674155	50.61	V	RANGAPET
326	19.117353	78.675077	52.23	IV	RANGAPET
327	19.115055	78.674688	8.96	I	SATHANPALLY(E)
328	19.109607	78.674120	7.37	II	SATHANPALLY(E)
329	19.113168	78.665686	8.65	II	SATHANPALLY(E)
330	19.115380	78.678185	12.31	II	SATHANPALLY(E)
331	19.090536	78.681291	14.12	II	SATHANPALLY(E)
332	19.091584	78.677053	14.84	II	SATHANPALLY(E)
333	19.093016	78.670595	11.02	IV	SATHANPALLY(E)
334	19.092744	78.672506	6.95	IV	SATHANPALLY(E)
335	19.090477	78.680130	14.02	IV	SATHANPALLY(E)
336	19.115206	78.681089	8.86	IV	SATHANPALLY(E)
337	19.095791	78.668342	8.87	IV	SATHANPALLY(E)
338	19.106668	78.646877	8.64	I	SATHANPALLY(W)
339	19.098401	78.659430	11.08	I	SATHANPALLY(W)
340	19.096193	78.663151	16.13	II	SATHANPALLY(W)
341	19.092794	78.650069	24.34	II	SATHANPALLY(W)
342	19.086739	78.655095	10.67	II	SATHANPALLY(W)
343	19.091053	78.656486	11.81	II	SATHANPALLY(W)
344	19.105578	78.644409	24.44	II	SATHANPALLY(W)
345	19.107357	78.653454	12.89	IV	SATHANPALLY(W)
346	19.096873	78.660575	15.40	IV	SATHANPALLY(W)
347	19.100502	78.653910	25.14	V	SATHANPALLY(W)
348	19.080544	78.710415	13.45	II	YELLAPUR
349	19.088219	78.693886	27.55	III	YELLAPUR
350	19.091559	78.691030	36.15	III	YELLAPUR
351	19.085182	78.711394	14.49	IV	YELLAPUR
352	19.086580	78.697290	23.69	IV	YELLAPUR
353	19.102571	78.690598	29.78	V	YELLAPUR
354	19.100174	78.692124	41.51	V	YELLAPUR
355	19.092135	78.694836	51.85	IV	YELLAPUR
356	19.158330	78.651073	7.51	I	MANDANPALLY(E)
357	19.157545	78.650347	10.26	I	MANDANPALLY(E)
358	19.140249	78.659387	9.69	II	MANDANPALLY(E)

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
359	19.163472	78.668196	10.11	II	MANDANPALLY(E)
360	19.148861	78.666624	14.55	II	MANDANPALLY(E)
361	19.144766	78.660450	30.77	II	MANDANPALLY(E)
362	19.140909	78.654159	22.56	II	MANDANPALLY(E)
363	19.153554	78.655867	25.19	III	MANDANPALLY(E)
364	19.147442	78.640012	16.77	IV	MANDANPALLY(E)
365	19.152285	78.648144	63.32	V	MANDANPALLY(E)
366	19.156764	78.661046	44.38	V	MANDANPALLY(E)
367	19.140627	78.662174	62.16	IV	MANDANPALLY(E)
368	19.169476	78.668199	42.53	V	MANDANPALLY(E)
369	19.159421	78.676848	10.74	I	SOMARPET
370	19.143750	78.684372	10.18	II	SOMARPET
371	19.149242	78.681342	4.91	II	SOMARPET
372	19.152077	78.676703	13.68	II	SOMARPET
373	19.155316	78.684610	7.01	II	SOMARPET
374	19.150820	78.681113	13.16	II	SOMARPET
375	19.136803	78.670641	37.74	III	SOMARPET
376	19.134891	78.666097	21.29	IV	SOMARPET
377	19.170381	78.683997	13.37	I	SOMARPET(N)
378	19.171960	78.671638	6.53	II	SOMARPET(N)
379	19.164190	78.682299	20.14	II	SOMARPET(N)
380	19.173556	78.671091	5.80	II	SOMARPET(N)
381	19.170225	78.674745	16.12	IV	SOMARPET(N)

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



Division : Khanapur  
Range : Khanapur



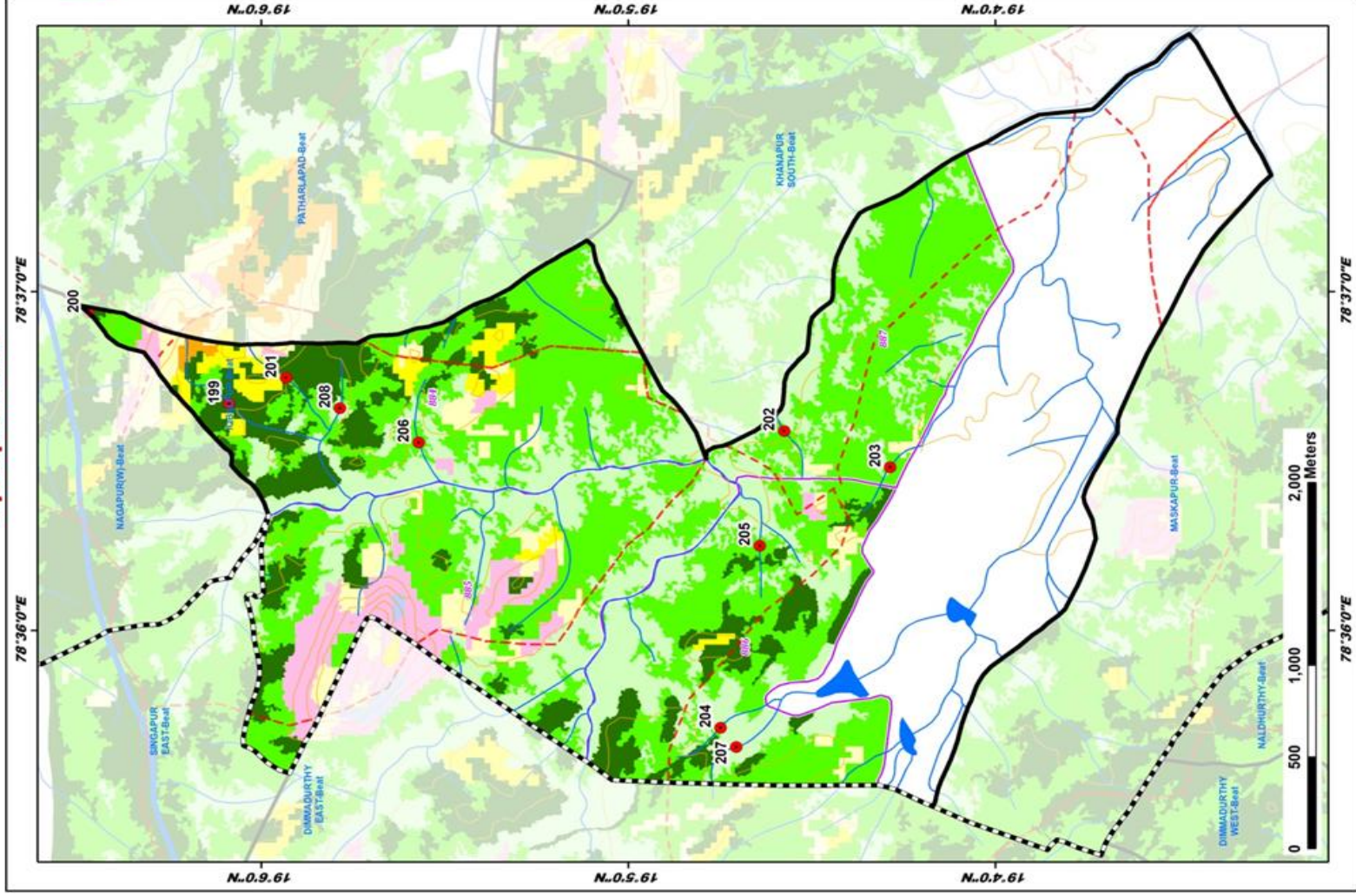
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
313	19.133015	78.708700	7.21	I

- 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 Iqbalpur Beat



Division : Khanapur  
Range : Khanapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
199	19.101457	78.611162	20.21	I
200	19.107838	78.615627	10.36	I
201	19.098860	78.612440	7.82	I
202	19.076242	78.609826	18.69	II
203	19.071498	78.606042	8.11	II
204	19.079135	78.595228	18.12	II
205	19.077962	78.604180	13.95	II
206	19.092843	78.600257	15.25	II
207	19.078425	78.594276	7.34	IV
208	19.094417	78.610938	11.36	IV

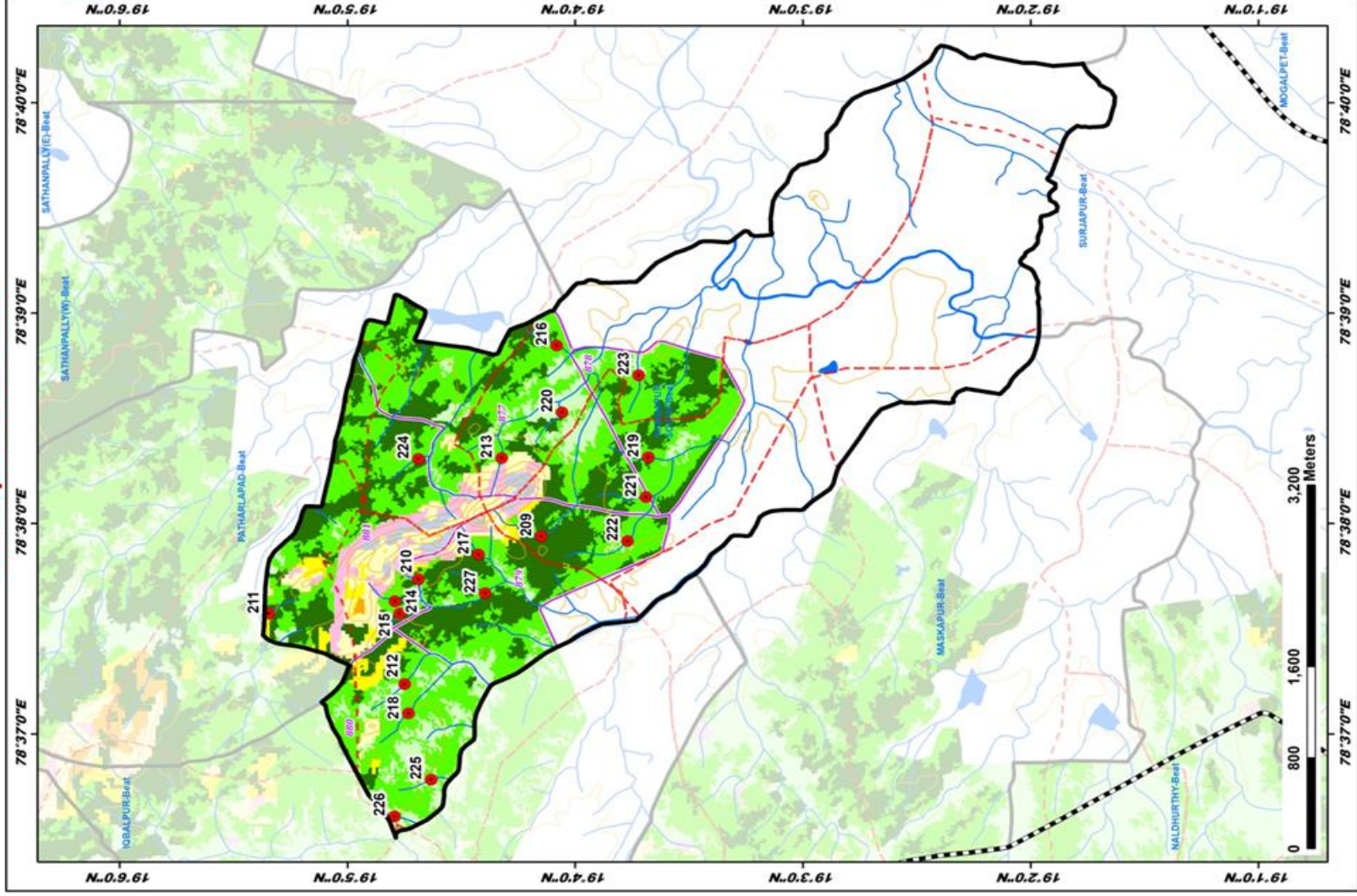
## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Khanapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
209	19.060158	78.632333	9.30	I
210	19.078133	78.628933	12.85	I
211	19.089101	78.626216	6.87	I
212	19.079150	78.620645	24.08	II
213	19.072043	78.638550	6.86	II
214	19.078446	78.627201	8.72	II
215	19.079512	78.626220	16.18	II
216	19.068033	78.647475	8.48	II
217	19.073739	78.630914	8.56	II
218	19.078860	78.618321	9.79	II
219	19.061302	78.638601	21.46	II
220	19.067634	78.621156	12.84	II
221	19.061495	78.635452	14.35	II
222	19.060221	78.645106	11.74	II
223	19.060831	78.631964	19.24	II
224	19.078146	78.638484	26.56	III
225	19.077199	78.613060	8.58	IV
226	19.078888	78.610158	16.52	IV
227	19.073264	78.627336	64.28	IV

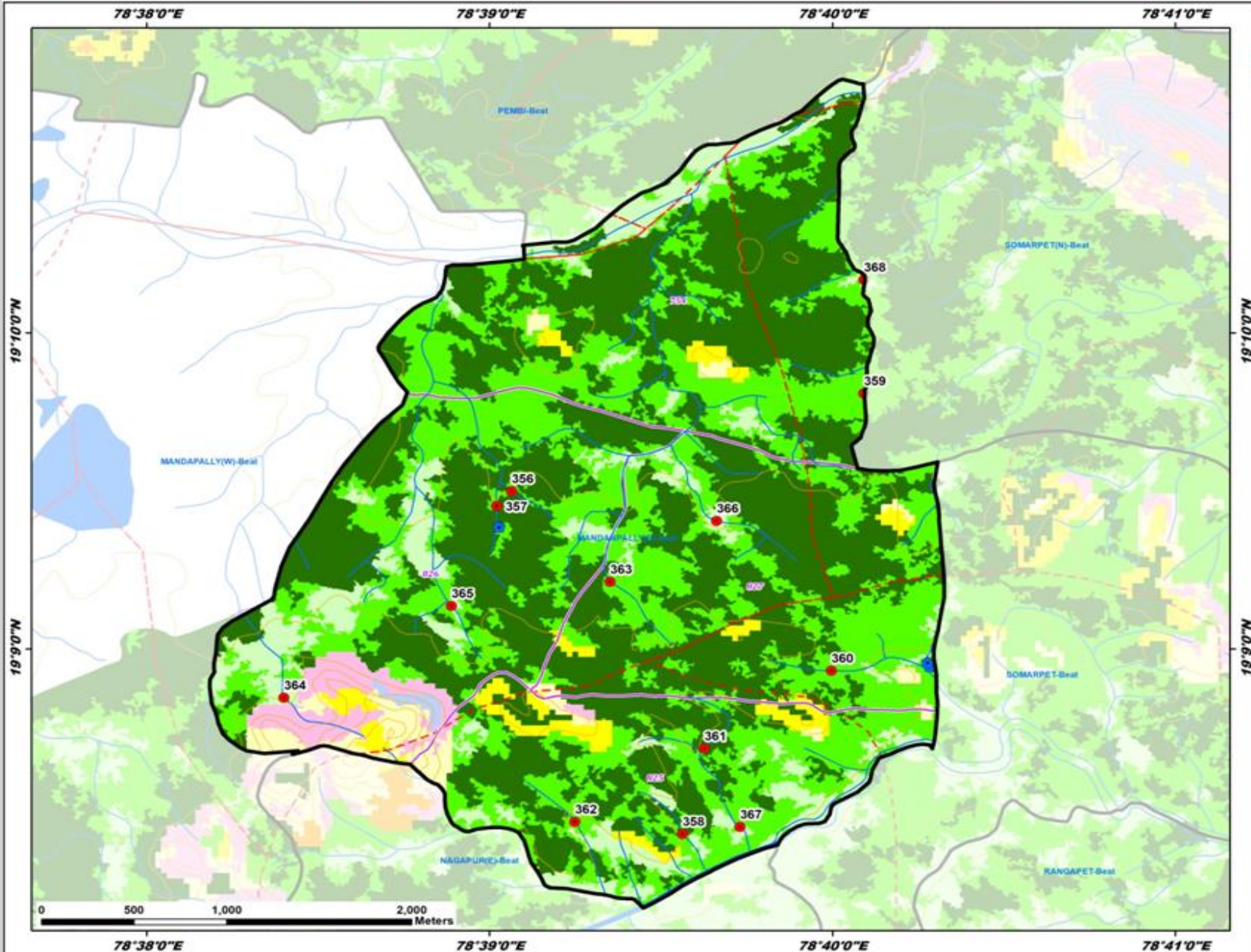
### LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Khanapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
356	19.158330	78.651073	7.51	I
357	19.157545	78.650347	10.26	I
358	19.140249	78.659387	9.69	II
359	19.163472	78.668196	10.11	II
360	19.148861	78.666624	14.55	II
361	19.144766	78.660490	30.77	II
362	19.140909	78.654159	22.56	II
363	19.153554	78.655867	25.19	III
364	19.147442	78.640012	16.77	IV
365	19.152285	78.648144	63.52	V
366	19.156764	78.661046	44.38	V
367	19.140627	78.662174	62.16	IV
368	19.169476	78.668199	42.53	V

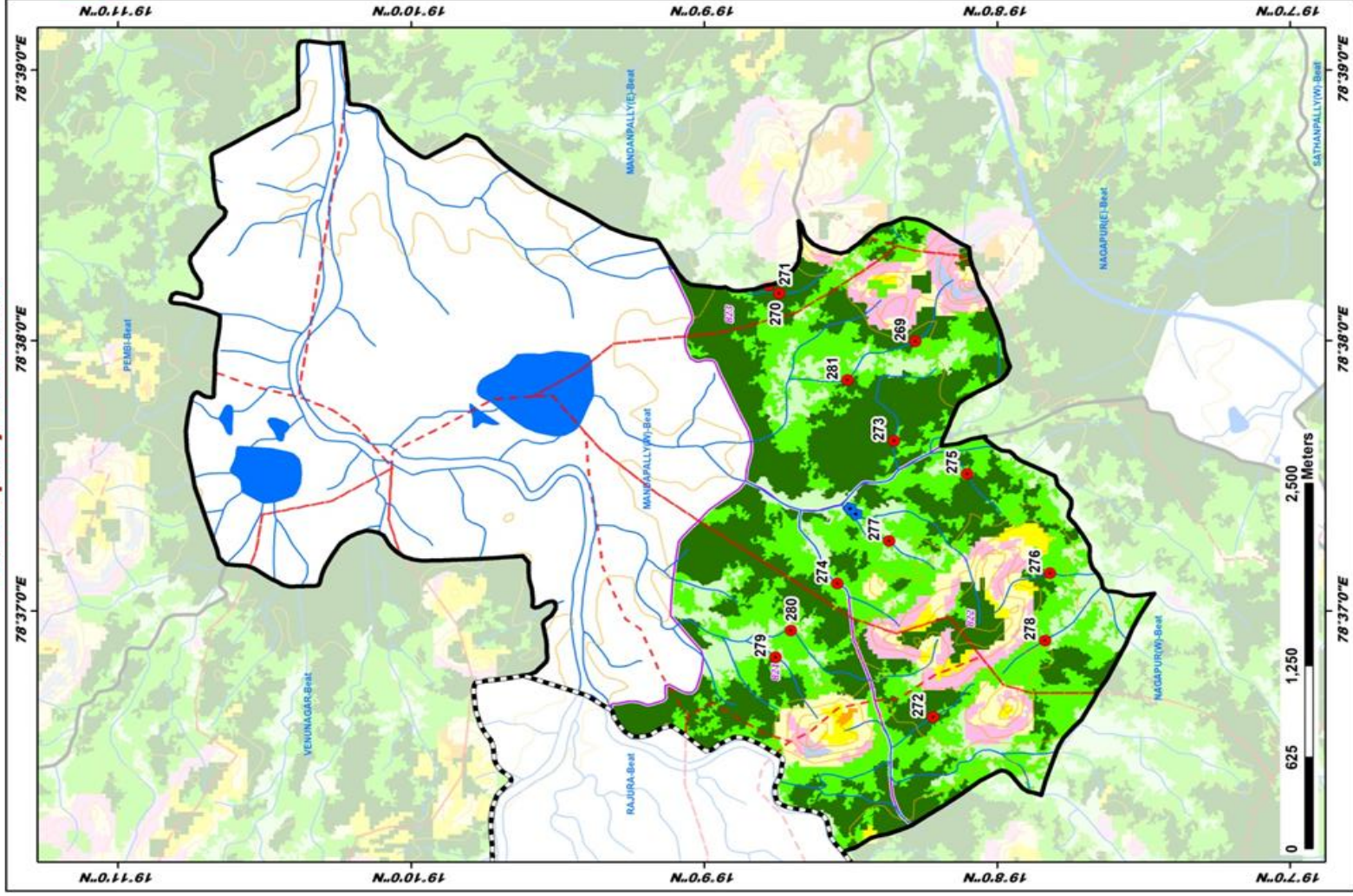
**LEGEND**

- 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 Mandapally West Beat



Division : Khanapur  
Range : Khanapur

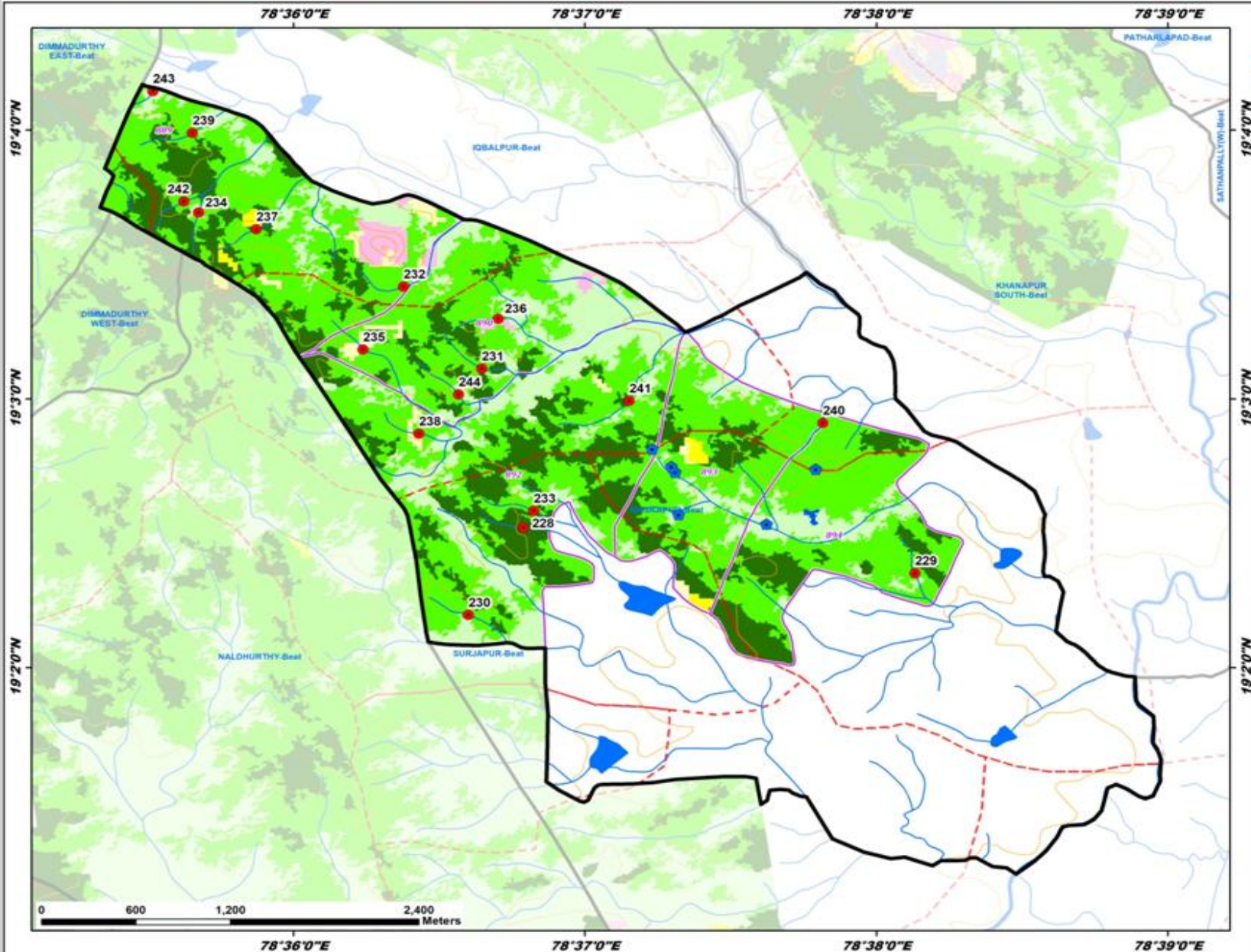


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
269	19.137979	78.633303	14.49	I
270	19.146725	78.636256	24.05	I
271	19.146337	78.630743	10.53	I
272	19.136968	78.630163	16.51	I
273	19.139206	78.627175	10.78	I
274	19.142429	78.633383	14.67	II
275	19.135003	78.625127	21.11	II
276	19.130330	78.639017	14.15	II
277	19.139475	78.621001	20.44	II
278	19.139594	78.614872	12.66	IV
279	19.140943	78.613853	8.95	IV
280	19.146059	78.615497	42.66	V
281	19.141835	78.639922	46.34	II

## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Khanapur

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
228	19.042028	78.631138	5.18	I
229	19.039206	78.635540	14.18	II
230	19.036606	78.630013	17.24	II
231	19.051889	78.620762	11.67	II
232	19.056966	78.606291	16.35	II
233	19.043065	78.633742	5.64	II
234	19.061573	78.594585	7.41	II
235	19.053077	78.603984	8.61	II
236	19.054982	78.611717	6.38	II
237	19.060538	78.597876	11.78	II
238	19.047956	78.607176	7.59	II
239	19.060508	78.594223	11.67	II
240	19.048525	78.630283	12.26	II
241	19.048892	78.619206	14.96	II
242	19.062264	78.593728	16.53	II
243	19.069091	78.591959	14.79	IV
244	19.050281	78.609442	10.27	IV

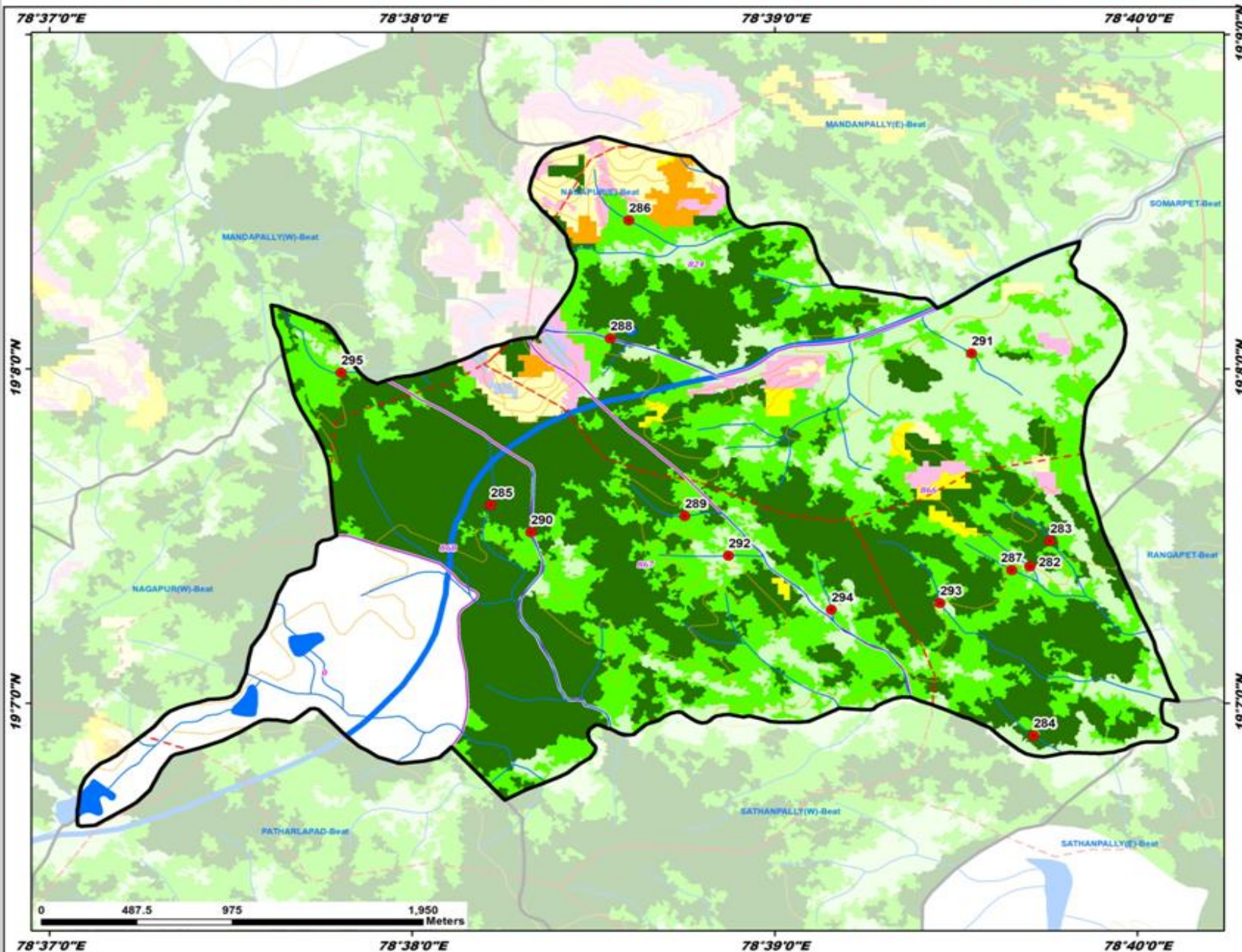
**LEGEND**

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

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



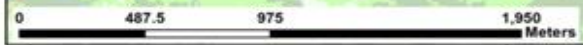
Division : Khanapur  
Range : Khanapur



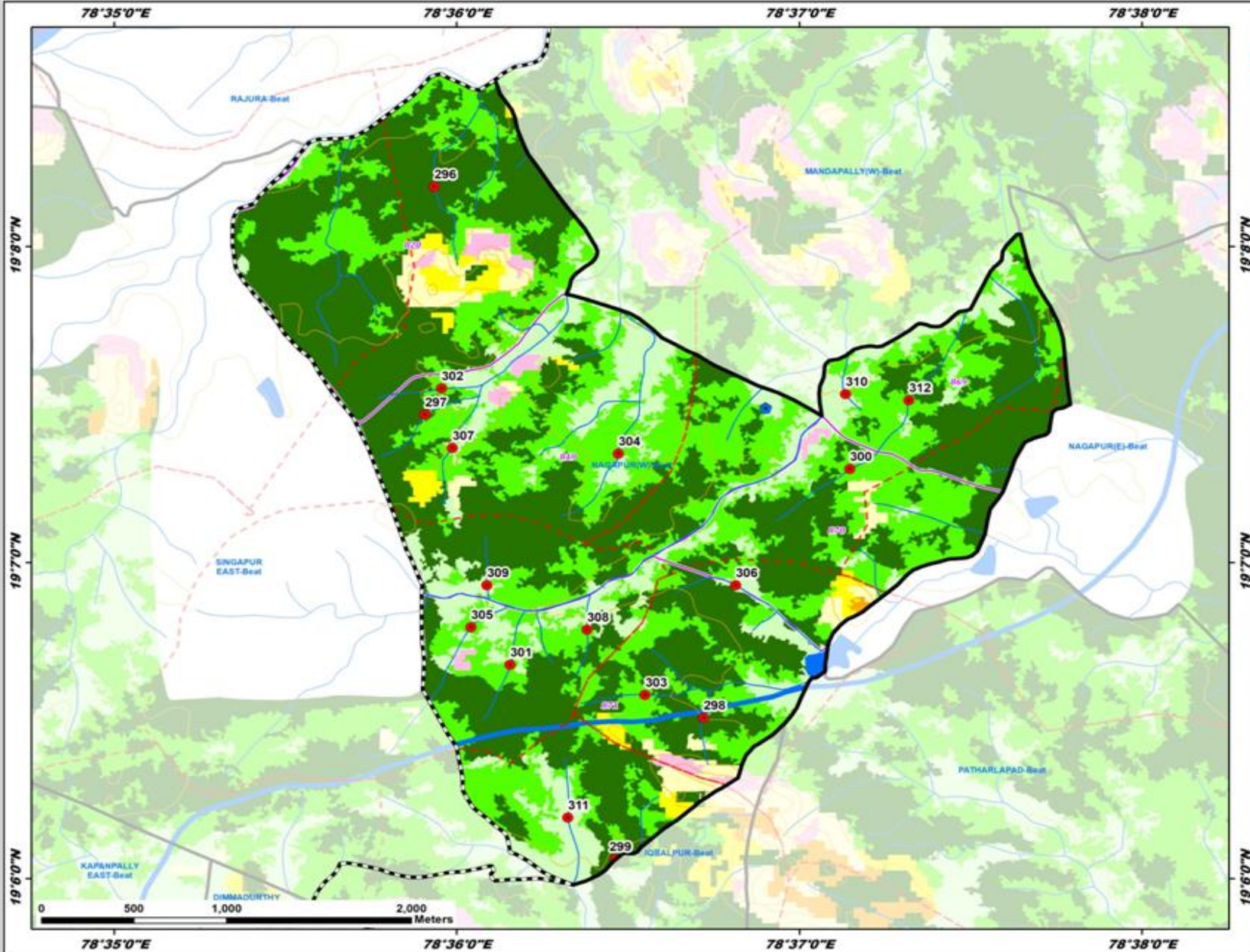
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
282	19.123489	78.661723	7.06	I
283	19.124757	78.662653	8.82	I
284	19.115664	78.661899	6.92	I
285	19.126550	78.636934	11.42	I
286	19.140739	78.643299	11.48	II
287	19.123310	78.660896	10.94	II
288	19.134855	78.642447	7.74	II
289	19.126002	78.645867	17.96	II
290	19.125191	78.638790	14.89	II
291	19.134114	78.659045	33.55	III
292	19.124027	78.647872	11.69	IV
293	19.123463	78.657602	12.30	IV
294	19.121331	78.652600	16.93	IV
295	19.133150	78.630062	29.46	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



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



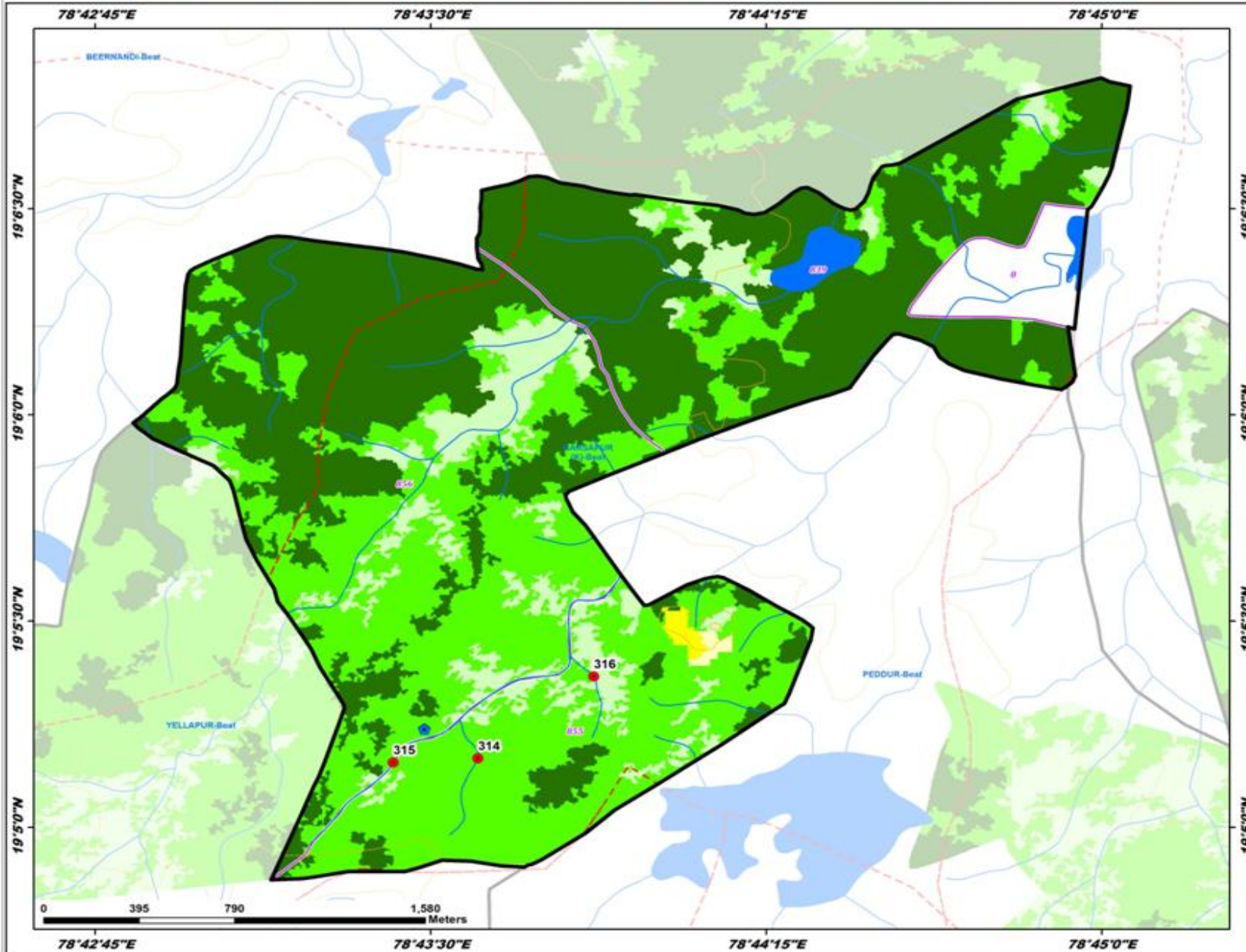
Division : Khanapur  
Range : Khanapur

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
296	19.136498	78.598911	34.11	I
297	19.124473	78.598456	9.71	I
298	19.108484	78.612013	8.29	I
299	19.101035	78.607709	36.11	I
300	19.121618	78.619123	18.89	II
301	19.111277	78.602597	10.68	II
302	19.125860	78.599262	6.93	II
303	19.109695	78.609167	22.34	II
304	19.122408	78.607870	21.72	II
305	19.113262	78.600696	33.26	III
306	19.115476	78.613579	10.58	IV
307	19.122714	78.599786	23.93	IV
308	19.113134	78.606343	9.89	IV
309	19.115470	78.601469	6.10	IV
310	19.125560	78.618924	5.68	IV
311	19.103219	78.605412	27.48	V
312	19.125239	78.621998	38.28	III

### LEGEND

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

# Map Showing Suitability Index for Construction of SMC Works of Narsapur K Beat



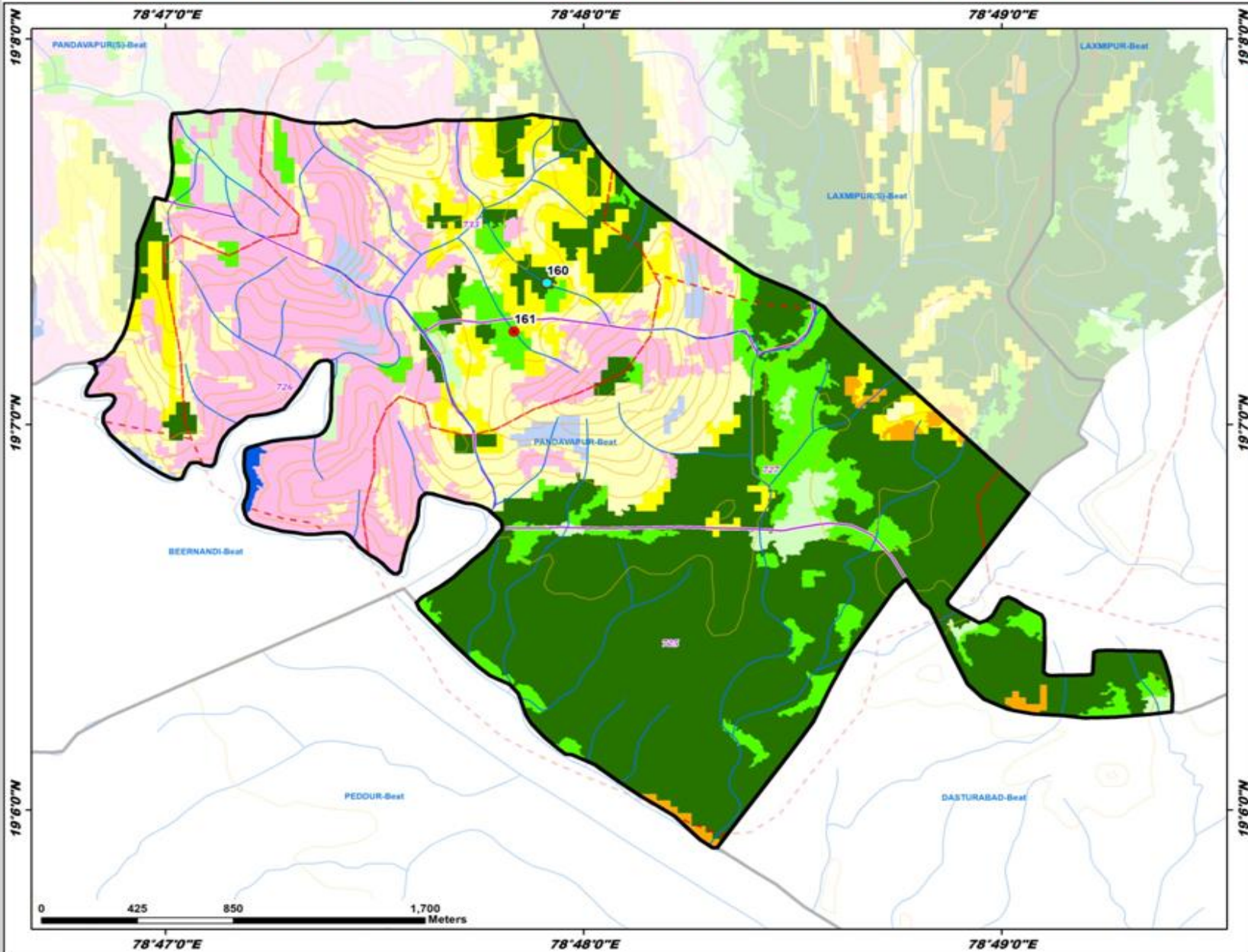
Division : Khanapur  
Range : Khanapur

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
314	19.086130	78.726762	15.06	II
315	19.085957	78.723611	20.89	II
316	19.089434	78.731076	15.29	IV

## LEGEND

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

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



Division : Khanapur  
Range : Khanapur

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
160	19.122790	78.798531	15.03	I
161	19.120684	78.797231	13.62	II

### LEGEND

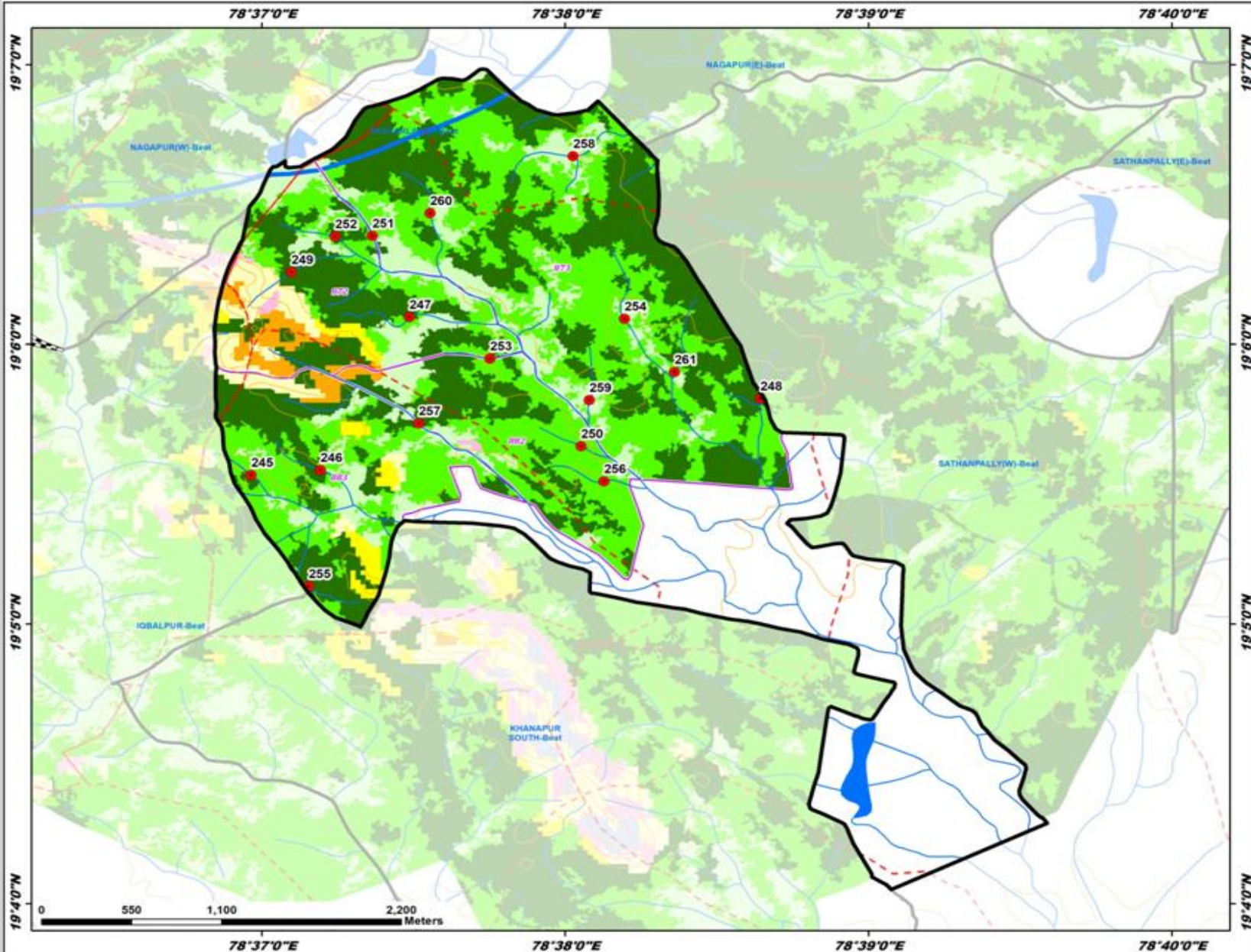
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- - - Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately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



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



Division : Khanapur  
Range : Khanapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
245	19.092221	78.616073	15.93	I
246	19.092516	78.619675	10.37	I
247	19.101629	78.624762	20.13	I
248	19.096770	78.644055	15.91	I
249	19.104311	78.618284	9.32	I
250	19.099338	78.634302	7.55	II
251	19.106468	78.622731	17.41	II
252	19.106430	78.620681	12.80	II
253	19.099160	78.629201	6.01	II
254	19.101527	78.636594	21.14	II
255	19.085584	78.619230	12.87	II
256	19.091846	78.635461	11.92	II
257	19.095301	78.625281	53.98	III
258	19.111216	78.633774	23.98	IV
259	19.096688	78.634667	14.47	IV
260	19.107821	78.625910	13.21	IV
261	19.098352	78.639344	27.70	V

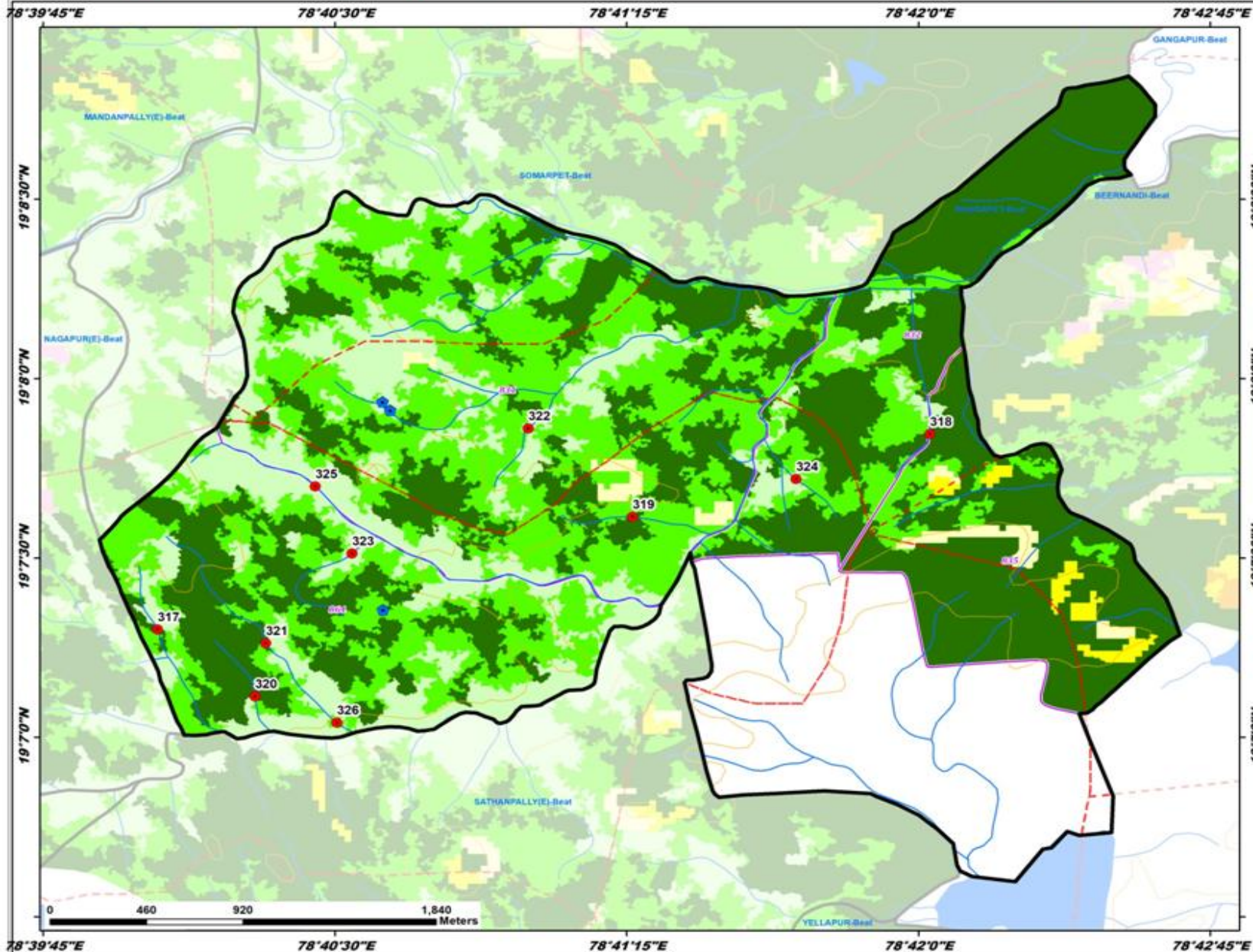
**LEGEND**

- 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 Rangapet Beat



Division : Khanapur  
Range : Khanapur



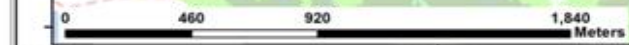
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
317	19.121680	78.667391	16.02	I
318	19.130762	78.700494	15.00	I
319	19.126919	78.687753	11.92	I
320	19.118573	78.671571	7.60	I
321	19.121039	78.672034	36.71	III
322	19.131024	78.683280	25.44	III
323	19.125217	78.675732	16.44	IV
324	19.128676	78.694757	7.02	IV
325	19.128334	78.674155	50.61	V
326	19.117353	78.675077	52.23	IV

**LEGEND**

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

**Suitability Index**

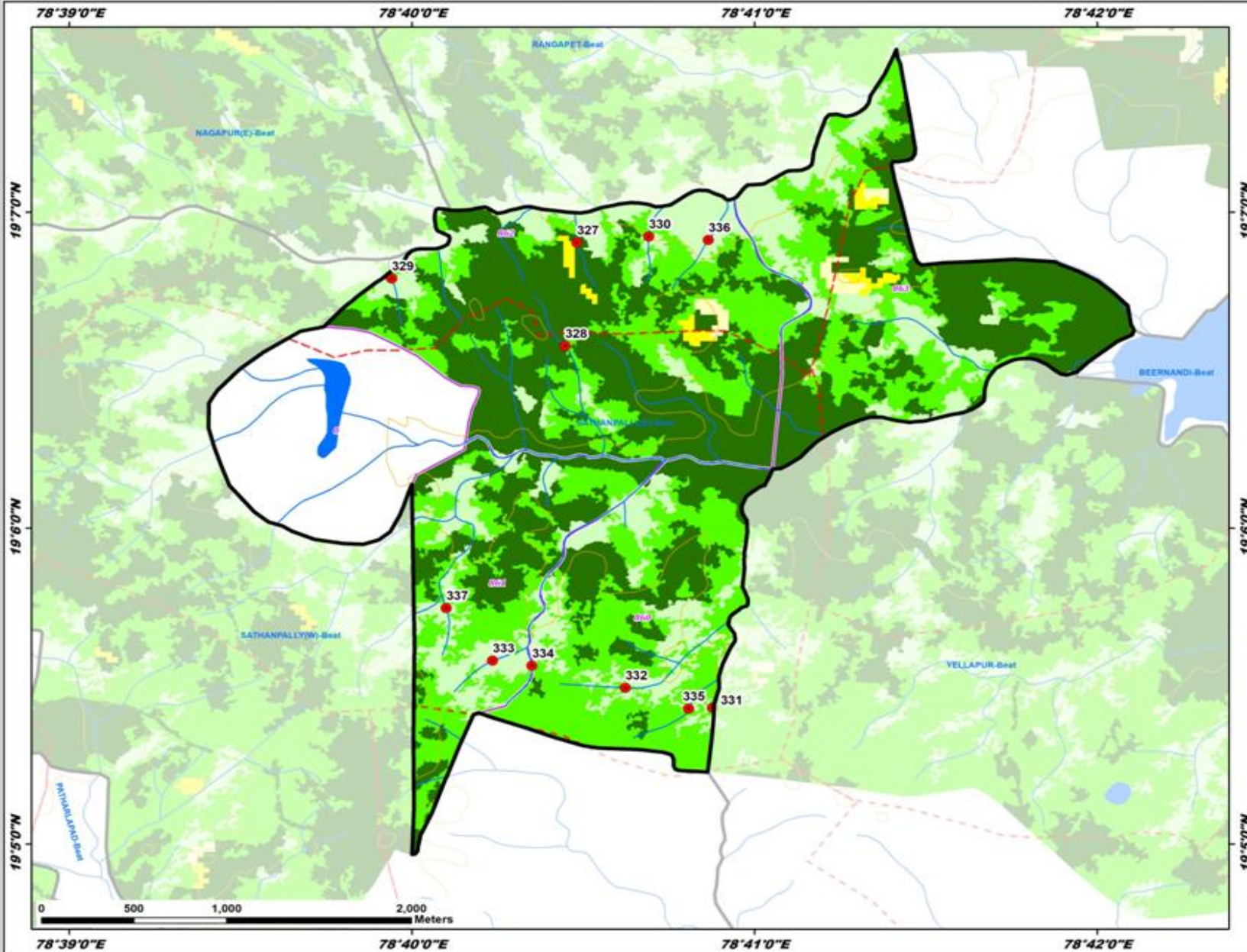
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Khanapur  
Range : Khanapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
327	19.115055	78.674688	8.96	I
328	19.109607	78.674120	7.37	II
329	19.113168	78.665686	8.65	II
330	19.115380	78.678185	12.31	II
331	19.090536	78.681291	14.12	II
332	19.091584	78.677053	14.84	II
333	19.093016	78.670595	11.02	IV
334	19.092744	78.672506	6.95	IV
335	19.090477	78.680130	14.02	IV
336	19.115206	78.681089	8.86	IV
337	19.095791	78.668342	8.87	IV

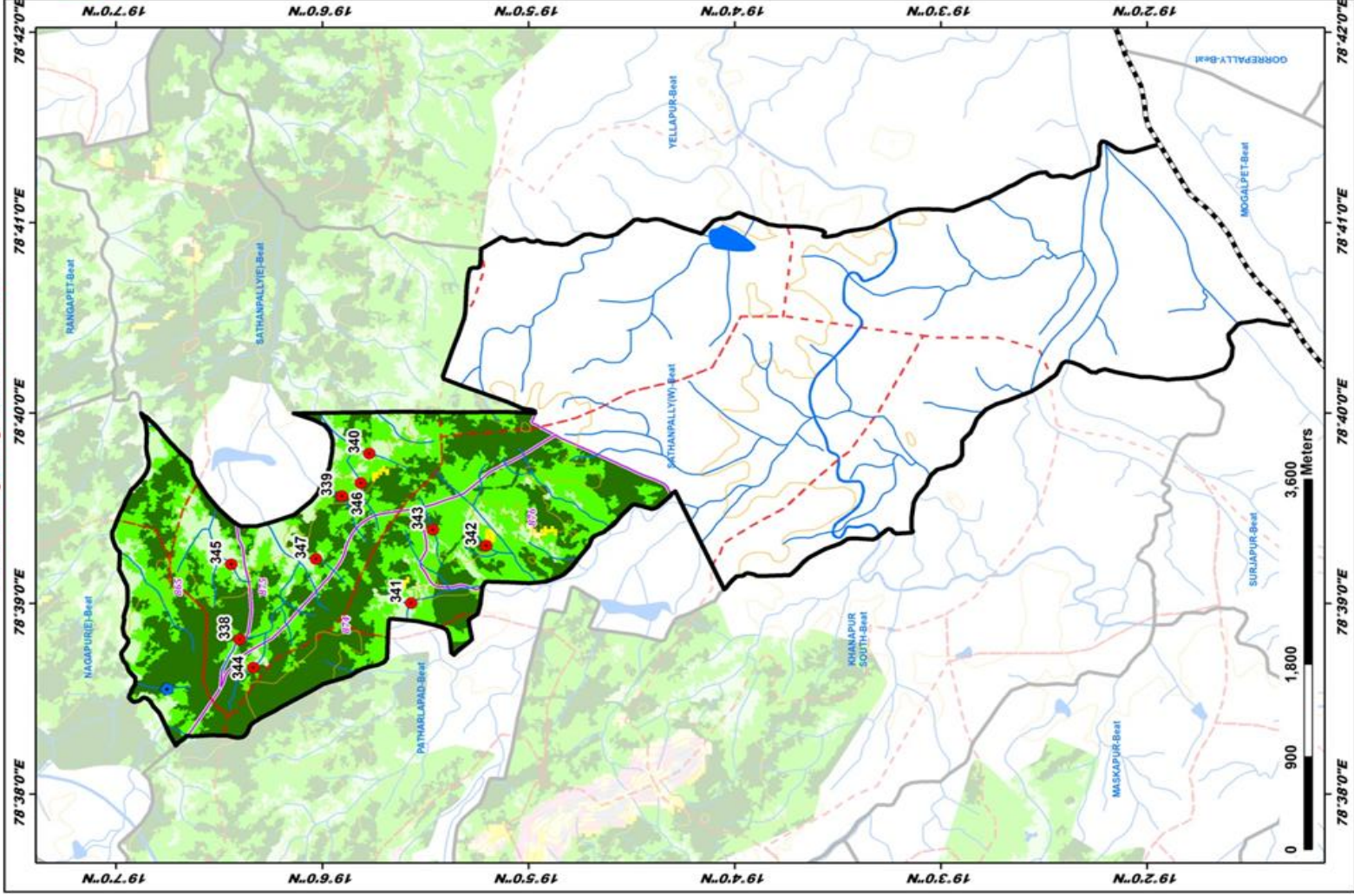
### LEGEND

- 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 Sathanpally West Beat



Division : Khanapur  
Range : Khanapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
338	19.106668	78.646877	8.64	I
339	19.098401	78.659430	11.08	I
340	19.096193	78.663151	16.13	II
341	19.092794	78.650069	24.34	II
342	19.082739	78.655095	10.67	II
343	19.091053	78.656486	11.81	II
344	19.105578	78.644409	24.44	II
345	19.107357	78.653654	12.89	IV
346	19.096873	78.660575	15.40	IV
347	19.100502	78.653910	25.14	V

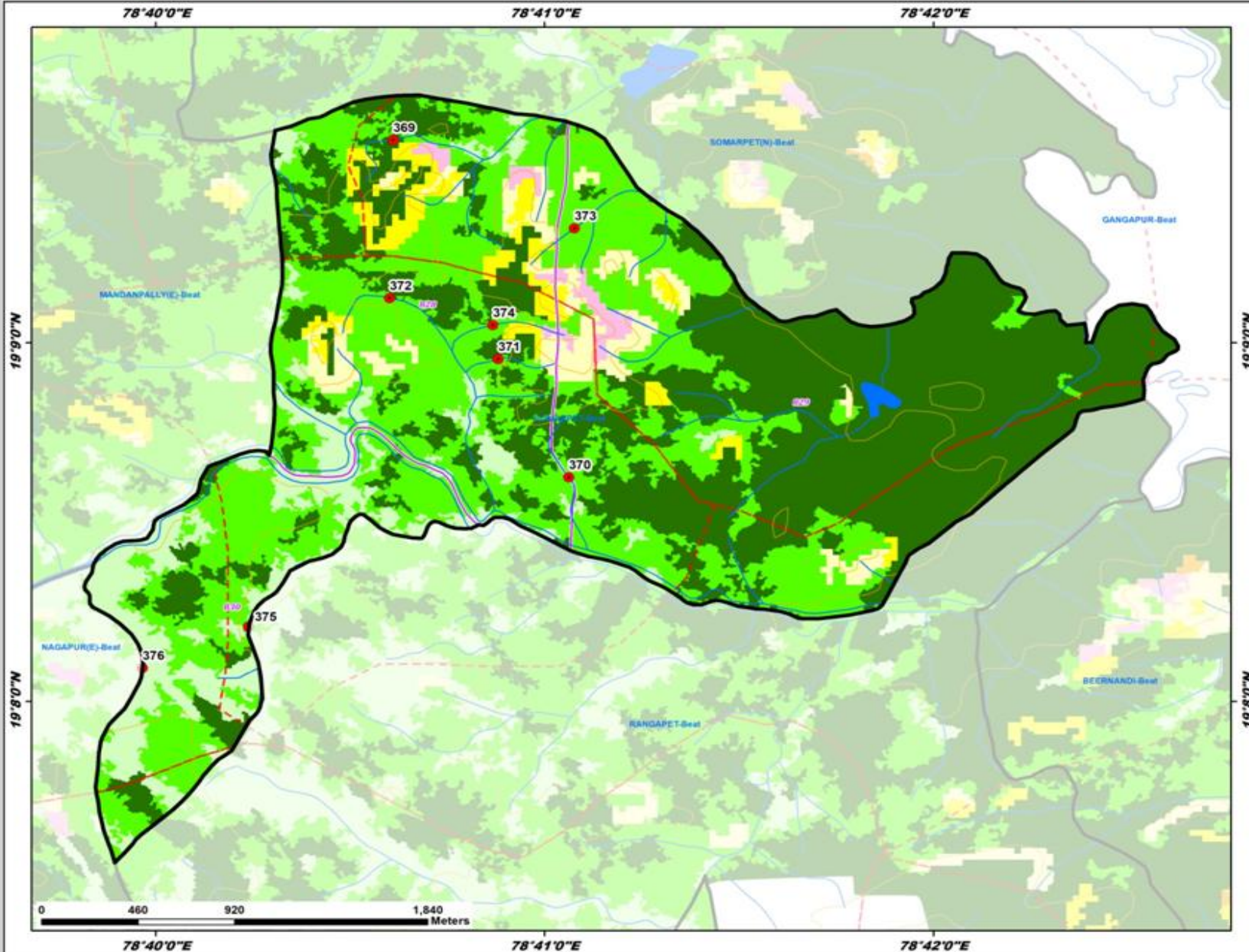
## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Khanapur

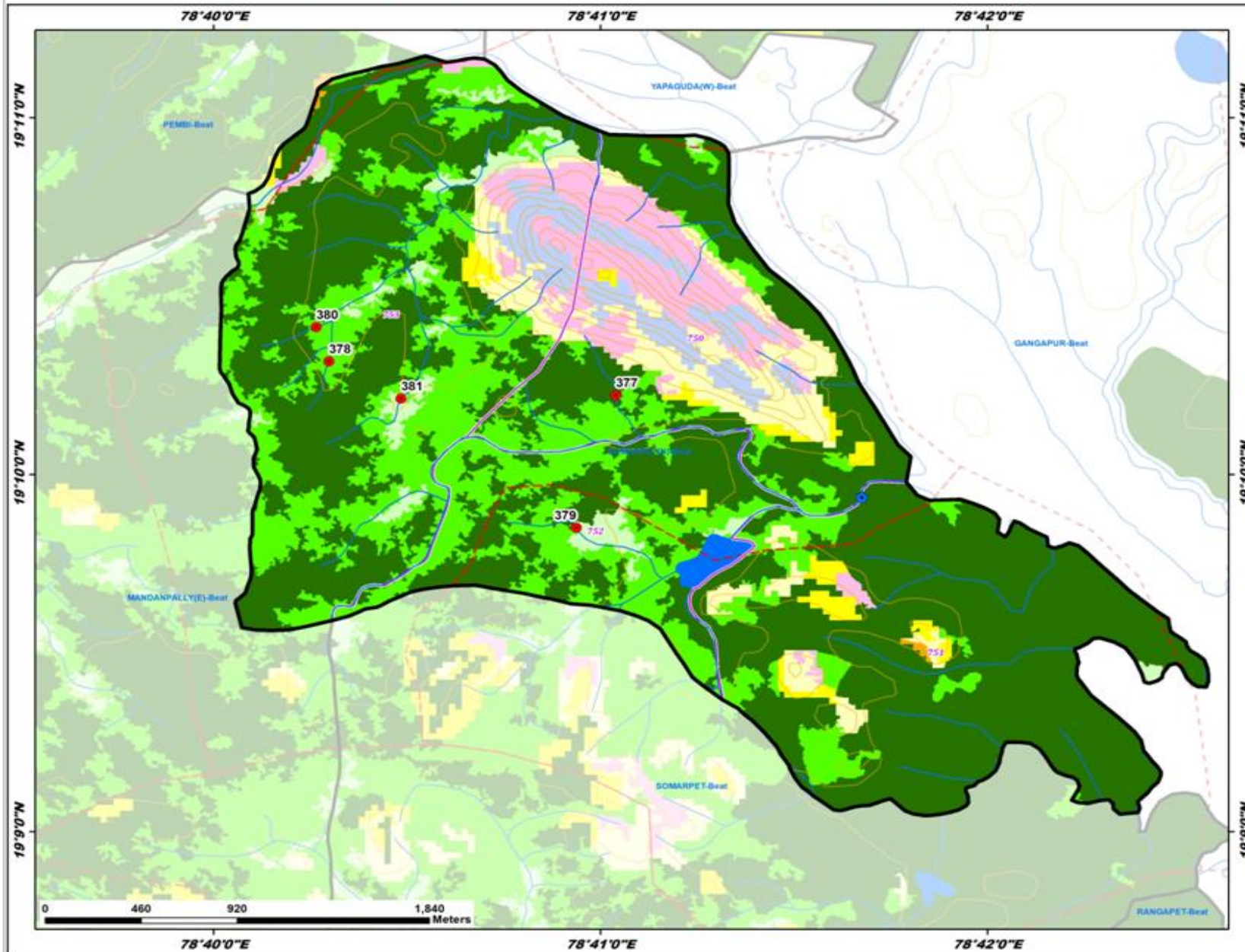


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
369	19.159421	78.676848	10.74	I
370	19.143750	78.684372	10.18	II
371	19.149242	78.681342	4.91	II
372	19.152077	78.676703	13.68	II
373	19.155316	78.684610	7.01	II
374	19.150820	78.681113	13.16	II
375	19.136803	78.670641	37.74	III
376	19.134891	78.666097	21.29	IV

**LEGEND**

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

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



Division : Khanapur  
Range : Khanapur

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
377	19.170381	78.683997	13.37	I
378	19.171960	78.671638	6.53	II
379	19.164190	78.682299	20.14	II
380	19.173556	78.671091	5.80	III
381	19.170225	78.674745	16.12	IV

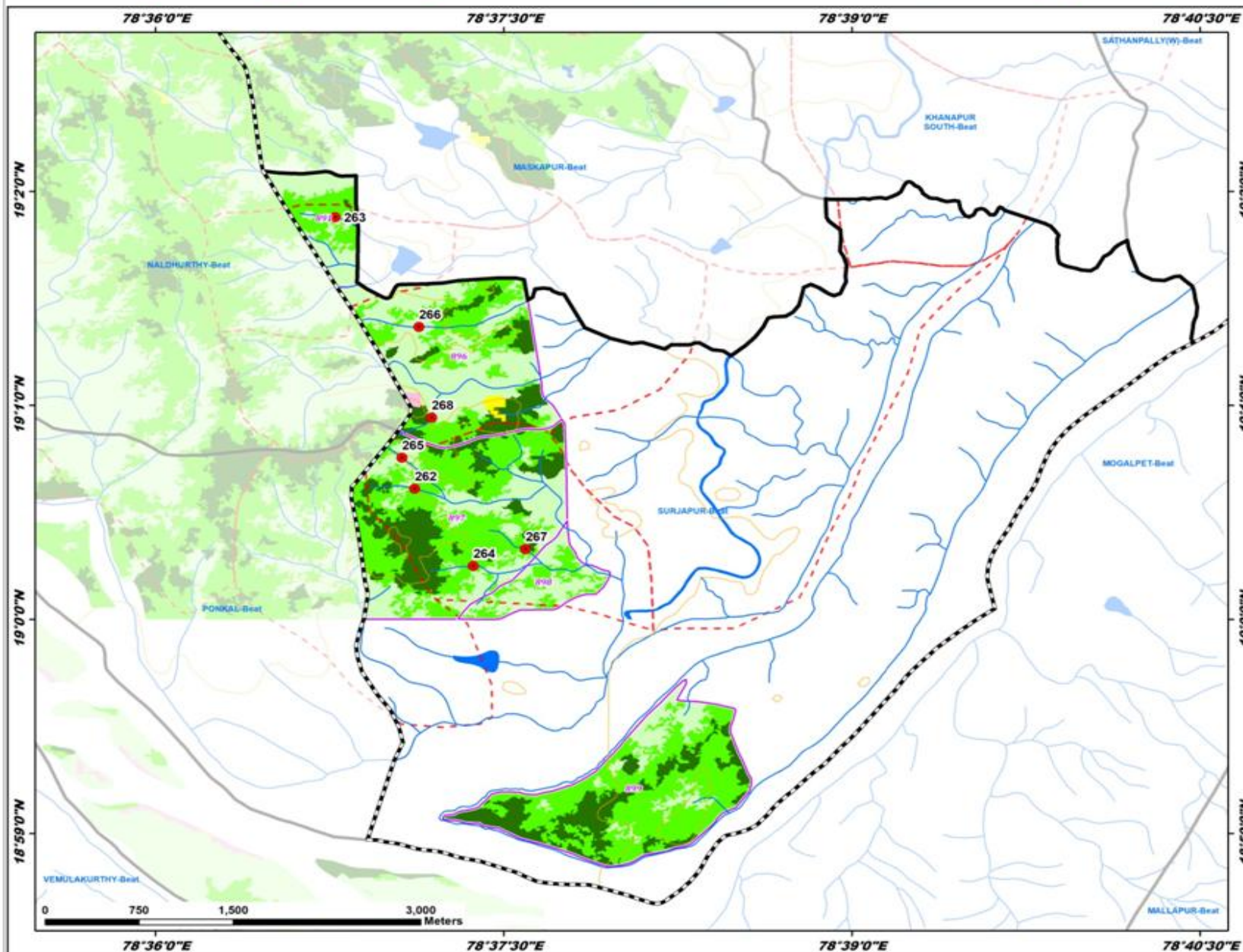
### LEGEND

- 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 Surjapur Beat



Division : Khanapur  
Range : Khanapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
262	19.010187	78.612804	10.24	III
263	19.031332	78.612896	11.47	III
264	19.004173	78.622817	21.50	III
265	19.012603	78.617695	12.91	IV
266	19.022788	78.618923	17.10	IV
267	19.005475	78.626571	13.77	IV
268	19.015722	78.619829	16.20	IV

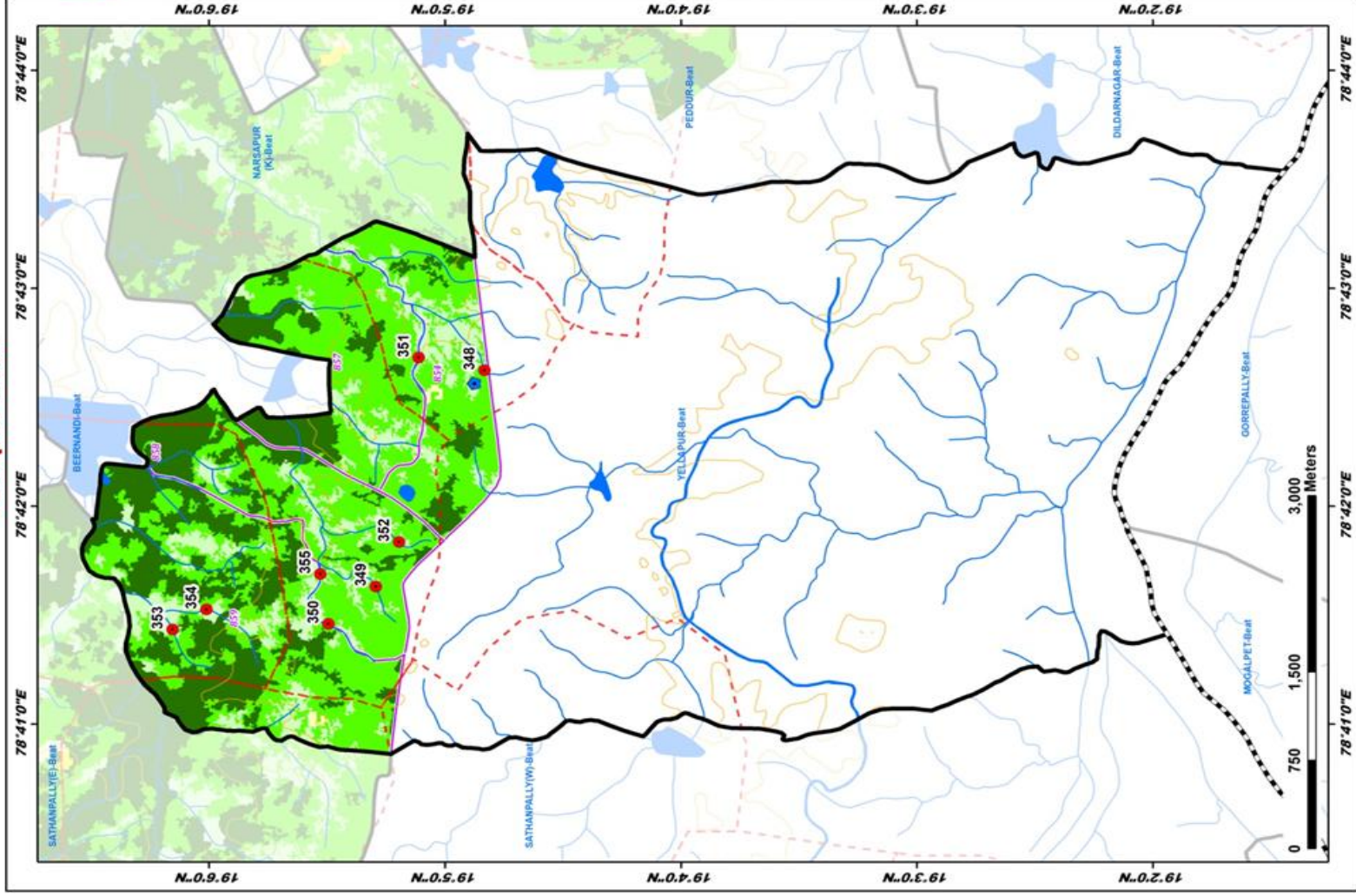
### LEGEND

- 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 Yellapur Beat



Division : Khanapur  
Range : Khanapur

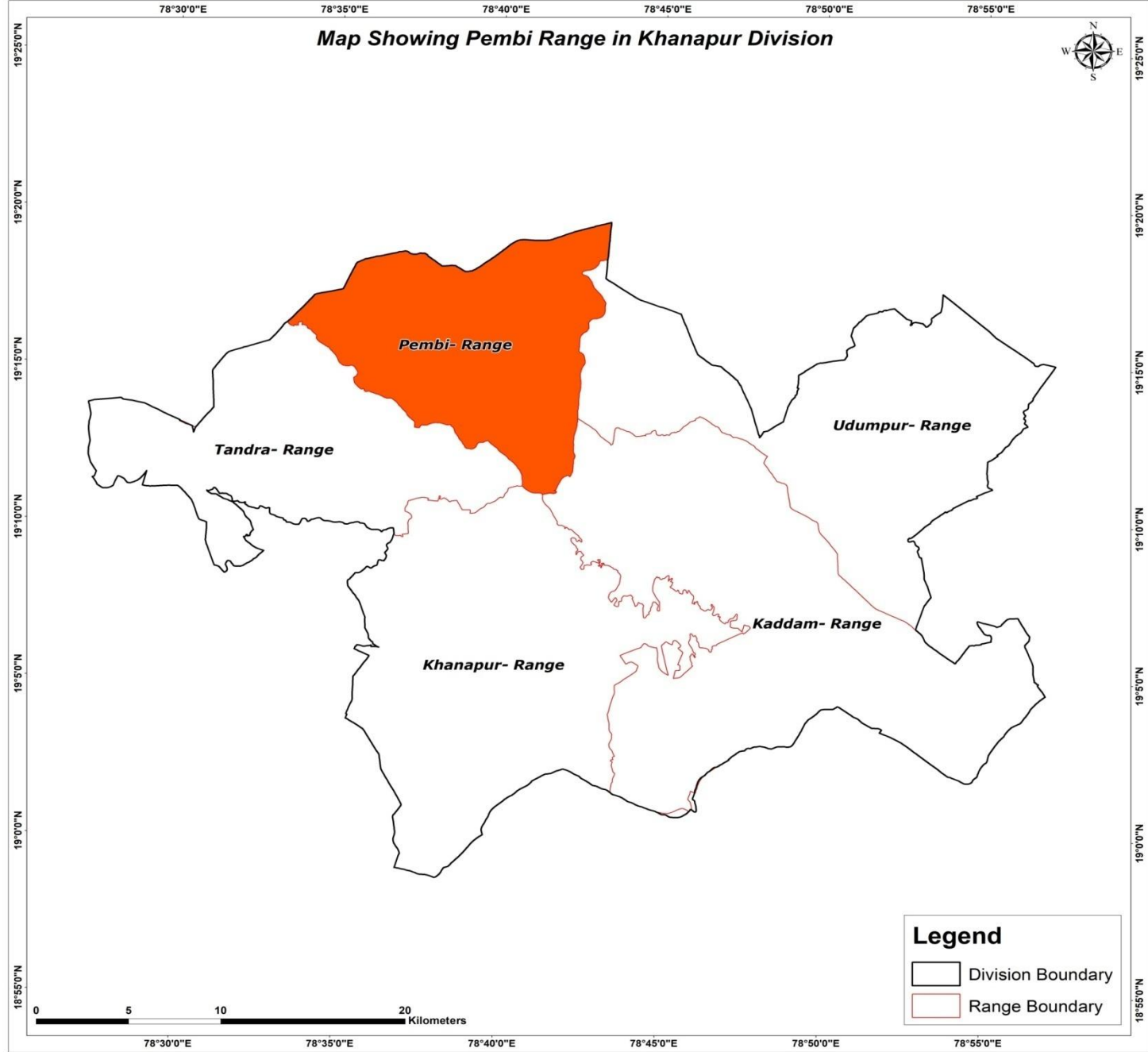


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
348	19.086544	78.710415	13.45	II
349	19.088219	78.695886	27.55	III
350	19.091559	78.691030	36.15	III
351	19.085182	78.711394	14.49	IV
352	19.086580	78.697290	23.69	IV
353	19.102571	78.690598	29.78	V
354	19.100174	78.692124	41.51	V
355	19.092135	78.694836	51.85	IV

## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

**Map Showing Pembli Range in Khanapur Division**



18°55'0"N  
19°0'0"N  
19°5'0"N  
19°10'0"N  
19°15'0"N  
19°20'0"N  
19°25'0"N

18°55'0"N  
19°0'0"N  
19°5'0"N  
19°10'0"N  
19°15'0"N  
19°20'0"N  
19°25'0"N

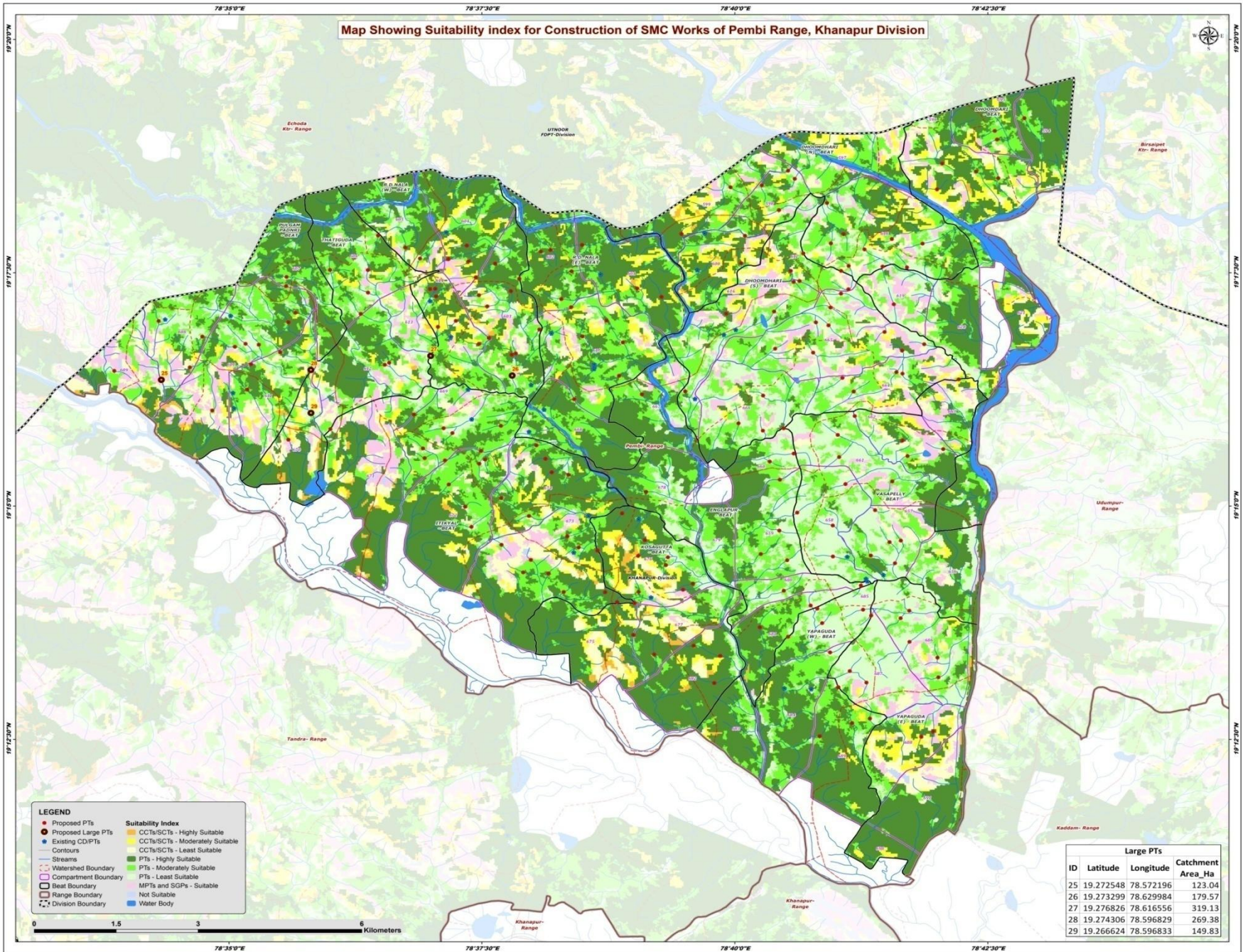
78°30'0"E 78°35'0"E 78°40'0"E 78°45'0"E 78°50'0"E 78°55'0"E

78°30'0"E 78°35'0"E 78°40'0"E 78°45'0"E 78°50'0"E 78°55'0"E

0 5 10 20 Kilometers

**Legend**  
Division Boundary  
Range Boundary

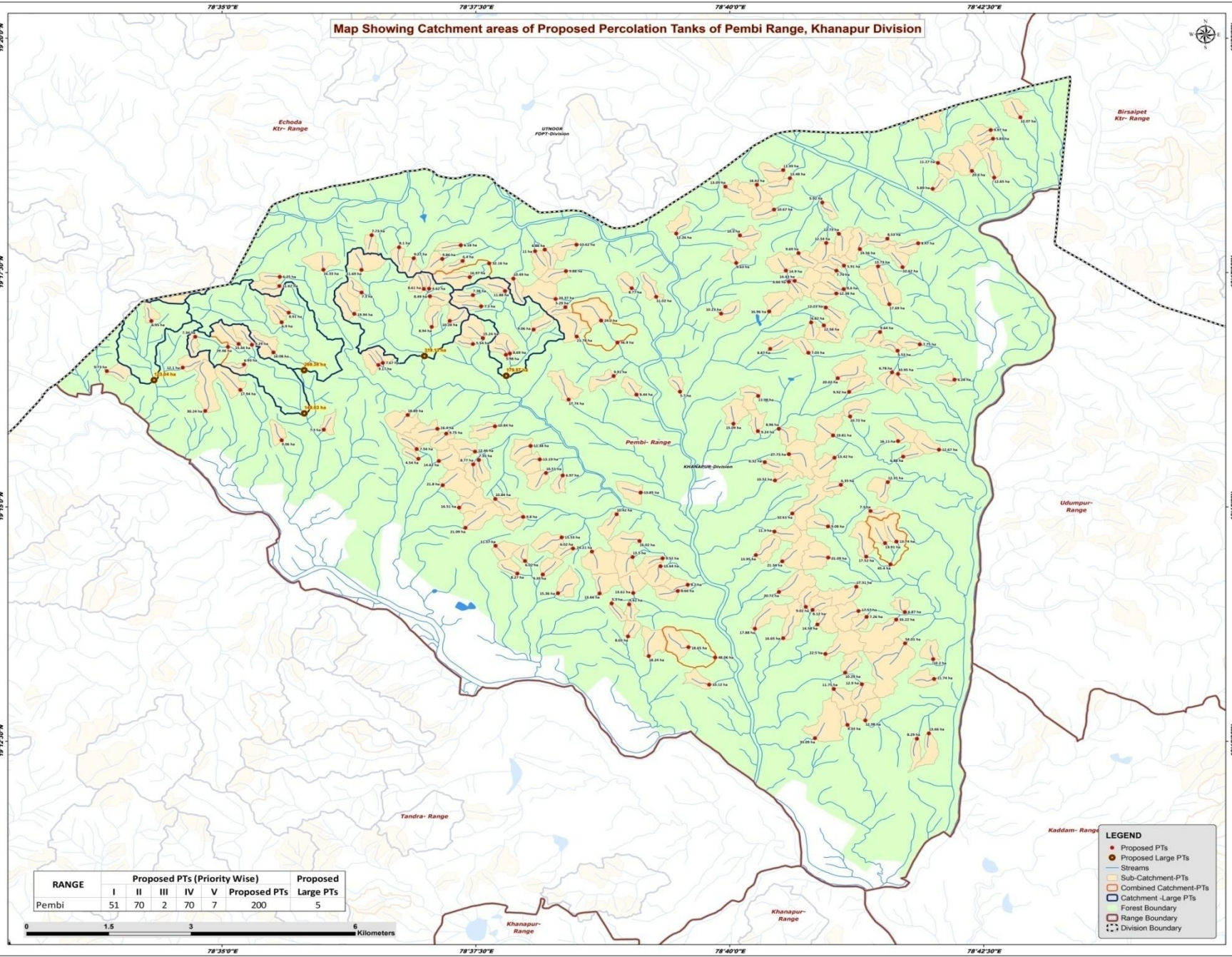
Map Showing Suitability index for Construction of SMC Works of Pembu Range, Khanapur Division



- LEGEND**
- Proposed PTs
  - Proposed Large PTs
  - Existing CD/PTs
  - Contours
  - Streams
  - Watershed Boundary
  - Compartment Boundary
  - Beat Boundary
  - Range 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 SGPts - Suitable
  - Not Suitable
  - Water Body

Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
25	19.272548	78.572196	123.04
26	19.273299	78.629984	179.57
27	19.276826	78.616556	319.13
28	19.274306	78.596829	269.38
29	19.266624	78.596833	149.83

Map Showing Catchment areas of Proposed Percolation Tanks of Pembi Range, Khanapur Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Pembi	51	70	2	70	7	200

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



78°35'0"E      78°37'30"E      78°40'0"E      78°42'30"E

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

S. No.	Beat	Proposed PT's
1	DHOOMDARI	8
2	DHOOMDHARI(N)	18
3	DHOOMDHARI(S)	26
4	ENGLAPUR	13
5	ITIKYAL	31
6	KOSAGUTTA	13
7	PULGAM PADNRI	15
8	R.D..NALA(E)	13
9	R.D.NALA(W)	21
10	THATIGUDA	8
11	VASAPALLY	16
12	YAPAGUDA(E)	10
13	YAPAGUDA(W)	8
	<b>Total</b>	<b>200</b>

## List of Proposed PTs – Pemi 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
382	19.311163	78.700831	11.27	I	DHOOMDARI	422	19.209734	78.699353	13.66	I	YAPAGUDA(E)	462	19.242603	78.640941	6.02	II	ITIKYAL
383	19.306553	78.699969	5.89	I	DHOOMDARI	423	19.231298	78.695416	6.87	II	YAPAGUDA(E)	463	19.260842	78.633970	12.38	II	ITIKYAL
384	19.308565	78.710069	12.65	II	DHOOMDARI	424	19.220517	78.685608	10.29	IV	YAPAGUDA(E)	464	19.248223	78.632761	9.80	II	ITIKYAL
385	19.315460	78.709868	5.83	II	DHOOMDARI	425	19.219397	78.700207	11.74	IV	YAPAGUDA(E)	465	19.263725	78.600032	7.30	IV	ITIKYAL
386	19.309734	78.706411	25.40	II	DHOOMDARI	426	19.218459	78.688347	12.90	IV	YAPAGUDA(E)	466	19.263017	78.620133	9.75	IV	ITIKYAL
387	19.317013	78.709500	9.97	II	DHOOMDARI	427	19.222915	78.700059	10.20	IV	YAPAGUDA(E)	467	19.255584	78.639259	6.97	IV	ITIKYAL
388	19.319280	78.714360	12.07	II	DHOOMDARI	428	19.230443	78.689118	7.26	IV	YAPAGUDA(E)	468	19.246265	78.623273	21.09	IV	ITIKYAL
389	19.286042	78.692863	17.69	IV	DHOOMDARI	429	19.229959	78.693986	33.22	V	YAPAGUDA(E)	469	19.257569	78.624571	8.77	IV	ITIKYAL
390	19.298569	78.684571	12.73	I	DHOOMDHARI(N)	430	19.225727	78.695440	54.01	V	YAPAGUDA(E)	470	19.235051	78.658141	8.66	I	KOSAGUTTA
391	19.298610	78.657889	12.26	I	DHOOMDHARI(N)	431	19.212029	78.688922	12.98	II	YAPAGUDA(W)	471	19.218379	78.663294	10.12	I	KOSAGUTTA
392	19.293362	78.667731	9.63	I	DHOOMDHARI(N)	432	19.211238	78.685983	9.33	II	YAPAGUDA(W)	472	19.234671	78.650829	13.61	I	KOSAGUTTA
393	19.292894	78.685413	5.91	II	DHOOMDHARI(N)	433	19.208871	78.680650	33.09	II	YAPAGUDA(W)	473	19.223470	78.653370	18.24	I	KOSAGUTTA
394	19.296869	78.697588	8.47	II	DHOOMDHARI(N)	434	19.217633	78.683733	11.75	IV	YAPAGUDA(W)	474	19.243938	78.651847	16.02	I	KOSAGUTTA
395	19.295846	78.688029	14.56	II	DHOOMDHARI(N)	435	19.229075	78.681055	14.58	IV	YAPAGUDA(W)	475	19.248698	78.648094	10.42	I	KOSAGUTTA
396	19.298287	78.668345	10.30	II	DHOOMDHARI(N)	436	19.231664	78.680248	8.12	IV	YAPAGUDA(W)	476	19.241084	78.650722	13.50	I	KOSAGUTTA
397	19.297690	78.692533	8.53	II	DHOOMDHARI(N)	437	19.231492	78.687794	17.57	IV	YAPAGUDA(W)	477	19.225057	78.659881	18.65	I	KOSAGUTTA
398	19.307274	78.671116	16.62	II	DHOOMDHARI(N)	438	19.223847	78.682360	22.50	IV	YAPAGUDA(W)	478	19.226974	78.649962	8.03	I	KOSAGUTTA
399	19.306946	78.665967	13.05	II	DHOOMDHARI(N)	439	19.242041	78.644042	24.21	I	ITIKYAL	479	19.239445	78.655308	13.64	II	KOSAGUTTA
400	19.302873	78.673934	10.67	II	DHOOMDHARI(N)	440	19.258445	78.635485	13.19	I	ITIKYAL	480	19.236147	78.659766	8.20	II	KOSAGUTTA
401	19.296933	78.682505	12.54	IV	DHOOMDHARI(N)	441	19.232827	78.647286	5.30	I	ITIKYAL	481	19.240847	78.655641	9.52	IV	KOSAGUTTA
402	19.292619	78.695025	10.62	IV	DHOOMDHARI(N)	442	19.234613	78.645309	13.66	I	ITIKYAL	482	19.223216	78.664260	48.06	II	KOSAGUTTA
403	19.291994	78.684171	7.74	IV	DHOOMDHARI(N)	443	19.237968	78.635986	9.35	I	ITIKYAL	483	19.282819	78.593124	6.90	I	PULGAM PADNRI
404	19.309883	78.675443	11.39	IV	DHOOMDHARI(N)	444	19.232660	78.650165	5.62	I	ITIKYAL	484	19.284541	78.594298	8.91	I	PULGAM PADNRI
405	19.292781	78.691013	13.73	IV	DHOOMDHARI(N)	445	19.266343	78.613813	18.89	I	ITIKYAL	485	19.275317	78.586937	6.93	I	PULGAM PADNRI
406	19.308450	78.676538	13.48	IV	DHOOMDHARI(N)	446	19.256028	78.636519	10.51	I	ITIKYAL	486	19.280252	78.578939	7.34	II	PULGAM PADNRI
407	19.304125	78.681860	5.92	IV	DHOOMDHARI(N)	447	19.249879	78.622247	16.51	I	ITIKYAL	487	19.270792	78.586353	17.94	II	PULGAM PADNRI
408	19.228343	78.670796	17.88	I	ENGLAPUR	448	19.258347	78.625487	7.35	II	ITIKYAL	488	19.289268	78.592754	11.62	II	PULGAM PADNRI
409	19.269955	78.651360	8.44	II	ENGLAPUR	449	19.263875	78.618697	16.40	II	ITIKYAL	489	19.277466	78.591768	16.08	II	PULGAM PADNRI
410	19.254707	78.674085	10.52	II	ENGLAPUR	450	19.234646	78.638476	15.36	II	ITIKYAL	490	19.267051	78.580583	30.24	III	PULGAM PADNRI
411	19.226650	78.675431	16.65	II	ENGLAPUR	451	19.264311	78.628128	10.84	II	ITIKYAL	491	19.278975	78.586062	15.44	IV	PULGAM PADNRI
412	19.241415	78.670945	13.95	II	ENGLAPUR	452	19.260281	78.615290	7.54	II	ITIKYAL	492	19.283047	78.571746	6.95	IV	PULGAM PADNRI
413	19.252534	78.652044	13.85	II	ENGLAPUR	453	19.258145	78.618922	14.62	II	ITIKYAL	493	19.274148	78.564436	9.73	IV	PULGAM PADNRI
414	19.245614	78.673983	11.30	IV	ENGLAPUR	454	19.240376	78.633058	6.02	II	ITIKYAL	494	19.278815	78.588259	9.29	IV	PULGAM PADNRI
415	19.257951	78.672413	6.32	IV	ENGLAPUR	455	19.258554	78.615578	4.54	II	ITIKYAL	495	19.274769	78.576898	12.10	IV	PULGAM PADNRI
416	19.234879	78.674742	20.72	IV	ENGLAPUR	456	19.243068	78.628229	11.57	II	ITIKYAL	496	19.290909	78.592832	6.25	IV	PULGAM PADNRI
417	19.240316	78.675296	21.34	IV	ENGLAPUR	457	19.253843	78.619550	21.80	II	ITIKYAL	497	19.278453	78.584310	29.46	V	PULGAM PADNRI
418	19.232219	78.679145	9.02	IV	ENGLAPUR	458	19.244575	78.639087	15.53	II	ITIKYAL	498	19.283118	78.645548	24.20	I	R.D..NALA(E)
419	19.235806	78.687424	17.31	IV	ENGLAPUR	459	19.238154	78.631812	8.27	II	ITIKYAL	499	19.287360	78.654590	11.02	I	R.D..NALA(E)
420	19.259373	78.676364	27.73	V	ENGLAPUR	460	19.259833	78.624866	12.46	II	ITIKYAL	500	19.285500	78.639692	5.29	I	R.D..NALA(E)
421	19.208769	78.697378	8.29	I	YAPAGUDA(E)	461	19.251413	78.628194	10.84	II	ITIKYAL	501	19.288868	78.650581	8.77	I	R.D..NALA(E)

## List of Proposed PTs – Pembi Range

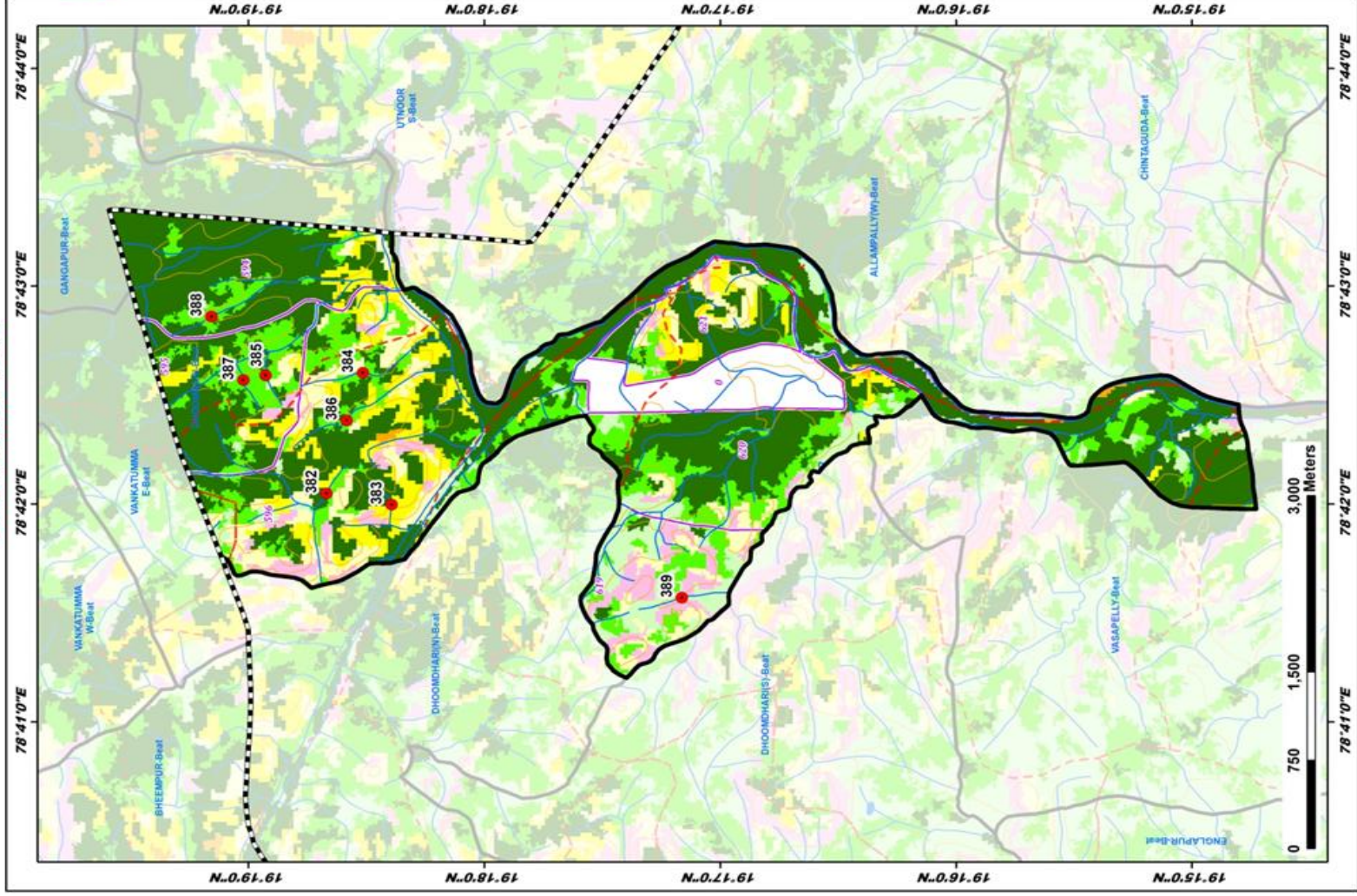
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
502	19.296626	78.641525	10.62	I	R.D..NALA(E)
503	19.291916	78.639781	9.88	II	R.D..NALA(E)
504	19.295740	78.636309	6.88	II	R.D..NALA(E)
505	19.295465	78.634724	11.00	II	R.D..NALA(E)
506	19.269078	78.640231	17.74	II	R.D..NALA(E)
507	19.273264	78.647615	9.91	II	R.D..NALA(E)
508	19.286971	78.638096	24.37	II	R.D..NALA(E)
509	19.280288	78.641560	21.78	IV	R.D..NALA(E)
510	19.279223	78.648241	56.90	V	R.D..NALA(E)
511	19.288791	78.617323	4.62	I	R.D.NALA(W)
512	19.287449	78.617461	8.49	I	R.D.NALA(W)
513	19.283061	78.620710	10.28	I	R.D.NALA(W)
514	19.278950	78.624527	5.54	I	R.D.NALA(W)
515	19.277035	78.629917	5.98	I	R.D.NALA(W)
516	19.280030	78.626149	15.24	I	R.D.NALA(W)
517	19.277257	78.630584	8.69	I	R.D.NALA(W)
518	19.288770	78.616472	8.61	I	R.D.NALA(W)
519	19.288388	78.629796	11.88	I	R.D.NALA(W)
520	19.293725	78.622826	6.40	I	R.D.NALA(W)
521	19.290591	78.631154	10.49	I	R.D.NALA(W)
522	19.294089	78.619499	9.86	I	R.D.NALA(W)
523	19.296523	78.622525	6.18	I	R.D.NALA(W)
524	19.296164	78.612395	8.10	II	R.D.NALA(W)
525	19.290856	78.624013	16.97	II	R.D.NALA(W)
526	19.287666	78.624513	7.38	II	R.D.NALA(W)
527	19.281520	78.634471	9.06	II	R.D.NALA(W)
528	19.285652	78.625876	7.30	II	R.D.NALA(W)
529	19.281995	78.617767	8.94	II	R.D.NALA(W)
530	19.294214	78.614811	9.27	IV	R.D.NALA(W)
531	19.293292	78.627181	32.16	III	R.D.NALA(W)
532	19.292162	78.599985	16.33	II	THATIGUDA
533	19.284324	78.605053	19.94	II	THATIGUDA
534	19.261845	78.593134	9.06	II	THATIGUDA
535	19.288115	78.606246	7.30	II	THATIGUDA
536	19.275236	78.609002	9.17	IV	THATIGUDA
537	19.275597	78.609720	7.67	IV	THATIGUDA
538	19.292142	78.606222	21.69	IV	THATIGUDA
539	19.298316	78.607897	7.73	IV	THATIGUDA
540	19.292011	78.675871	14.90	I	DHOOMDHARI(S)
541	19.284367	78.665248	10.23	I	DHOOMDHARI(S)

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
542	19.263875	78.674719	8.96	I	DHOOMDHARI(S)
543	19.272618	78.703557	6.28	II	DHOOMDHARI(S)
544	19.270451	78.686255	9.92	II	DHOOMDHARI(S)
545	19.270479	78.658498	5.70	II	DHOOMDHARI(S)
546	19.290037	78.676356	6.66	II	DHOOMDHARI(S)
547	19.282795	78.680020	6.82	II	DHOOMDHARI(S)
548	19.290195	78.677329	14.43	II	DHOOMDHARI(S)
549	19.295116	78.677943	9.69	II	DHOOMDHARI(S)
550	19.273646	78.694292	10.95	IV	DHOOMDHARI(S)
551	19.264770	78.667277	15.09	IV	DHOOMDHARI(S)
552	19.281097	78.691340	9.64	IV	DHOOMDHARI(S)
553	19.282276	78.682096	12.58	IV	DHOOMDHARI(S)
554	19.288725	78.685374	8.60	IV	DHOOMDHARI(S)
555	19.277763	78.694206	5.53	IV	DHOOMDHARI(S)
556	19.285452	78.682424	12.23	IV	DHOOMDHARI(S)
557	19.284741	78.673137	16.96	IV	DHOOMDHARI(S)
558	19.277400	78.679569	7.03	IV	DHOOMDHARI(S)
559	19.272888	78.684380	20.02	IV	DHOOMDHARI(S)
560	19.278098	78.673314	8.87	IV	DHOOMDHARI(S)
561	19.269734	78.671320	11.38	IV	DHOOMDHARI(S)
562	19.278892	78.697868	7.75	IV	DHOOMDHARI(S)
563	19.287936	78.684157	12.38	IV	DHOOMDHARI(S)
564	19.273917	78.693285	6.78	IV	DHOOMDHARI(S)
565	19.263455	78.671290	9.24	IV	DHOOMDHARI(S)
566	19.261691	78.694292	16.11	I	VASAPELLY
567	19.254408	78.692613	12.35	II	VASAPELLY
568	19.260166	78.701006	12.67	IV	VASAPELLY
569	19.240983	78.682824	21.09	IV	VASAPELLY
570	19.243550	78.692161	13.91	IV	VASAPELLY
571	19.258751	78.683853	13.42	IV	VASAPELLY
572	19.266075	78.686413	10.72	IV	VASAPELLY
573	19.258927	78.695114	6.88	IV	VASAPELLY
574	19.246519	78.682799	9.08	IV	VASAPELLY
575	19.241150	78.689073	17.52	IV	VASAPELLY
576	19.243819	78.694024	13.74	IV	VASAPELLY
577	19.262710	78.683618	19.81	IV	VASAPELLY
578	19.249254	78.689770	7.30	IV	VASAPELLY
579	19.253917	78.684897	6.35	IV	VASAPELLY
580	19.248816	78.676940	32.61	V	VASAPELLY
581	19.239779	78.693039	45.40	V	VASAPELLY

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



Division : Khanapur  
Range : Pembri

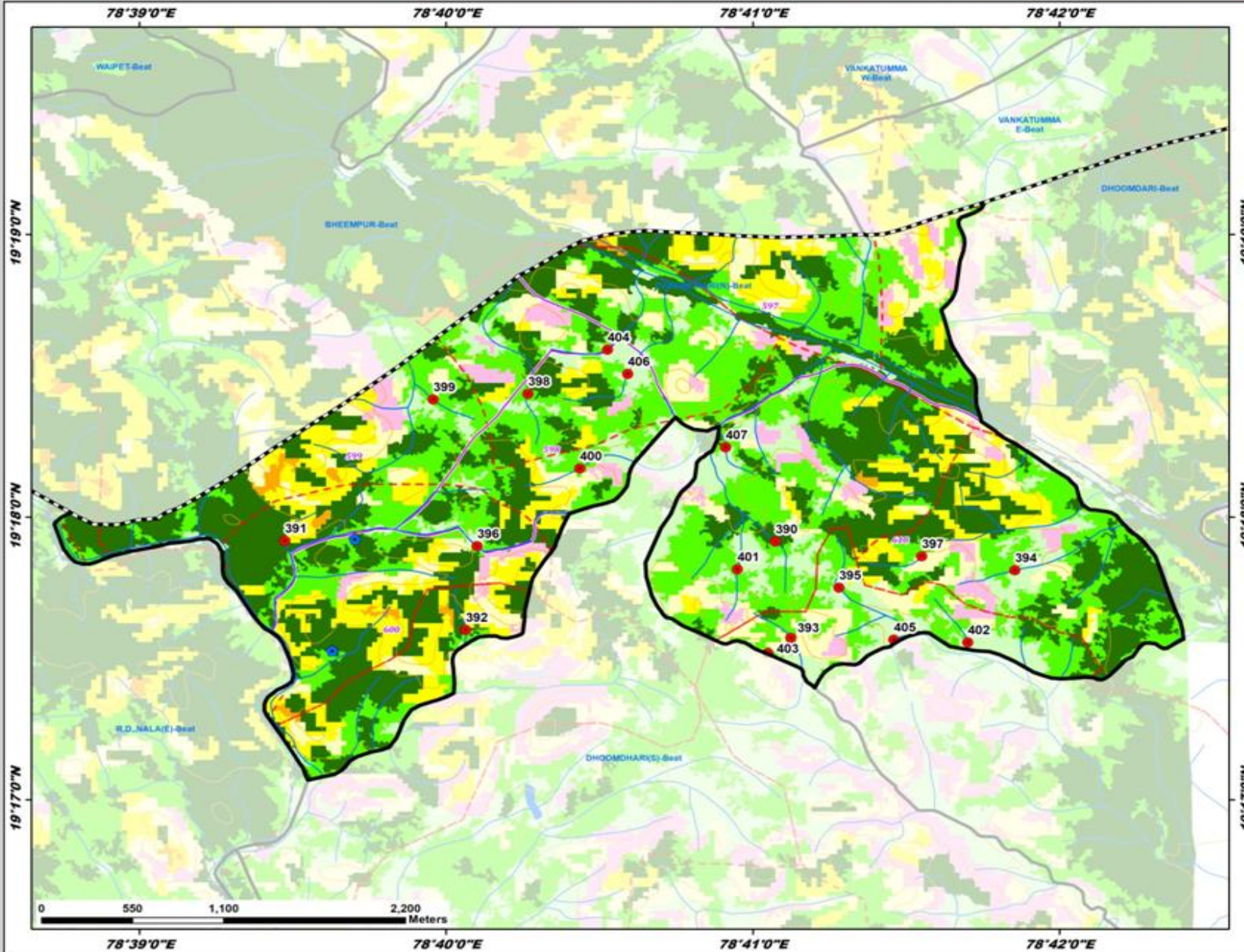


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
382	19.311165	78.700831	11.27	I
383	19.306553	78.699869	5.89	I
384	19.300565	78.710069	12.65	II
385	19.315460	78.709668	5.83	II
386	19.309734	78.706411	23.40	II
387	19.317013	78.709500	9.97	II
388	19.310290	78.714560	12.07	II
389	19.286042	78.692863	17.69	IV

## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



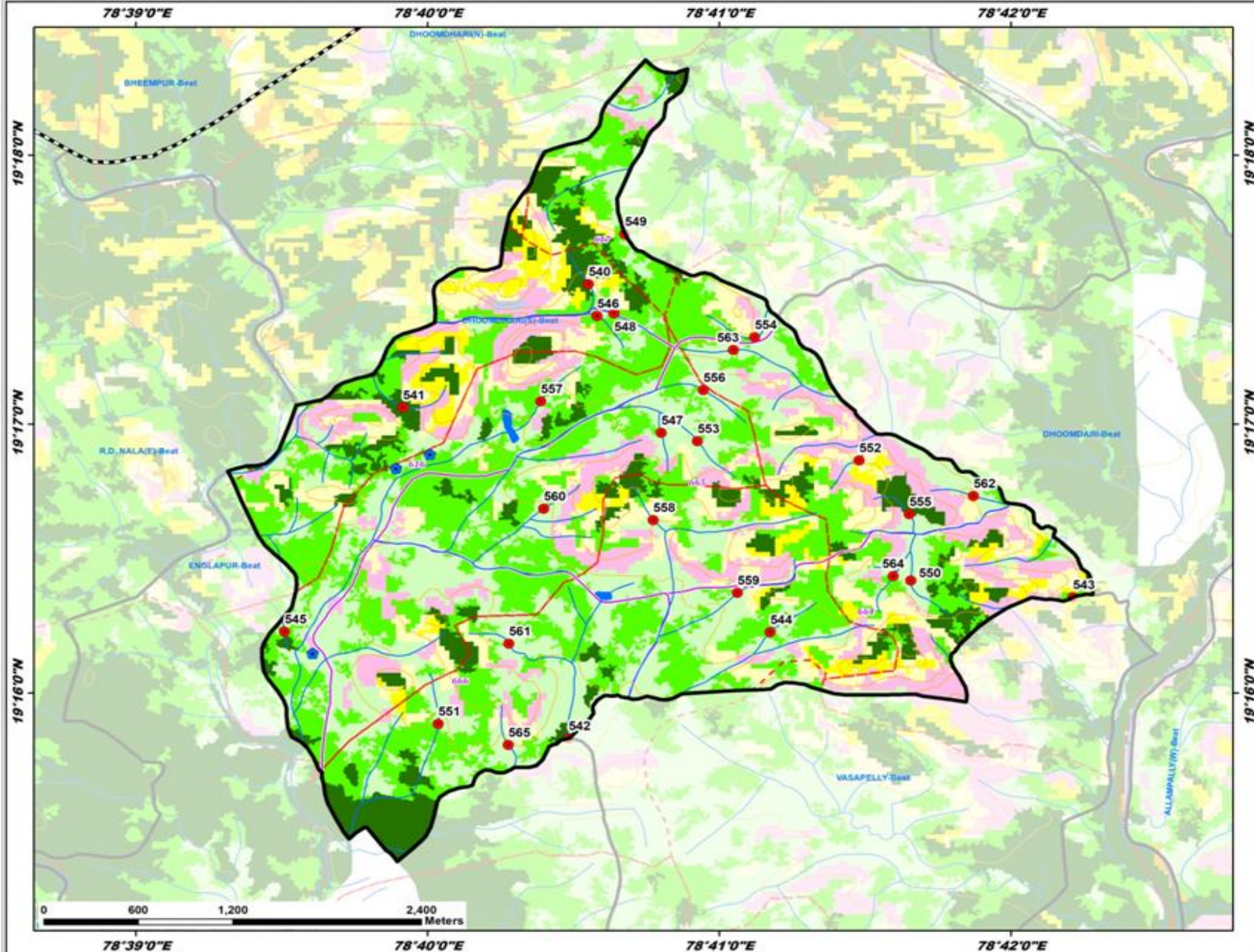
Division : Khanapur  
Range : Pemb

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
390	19.298569	78.684571	12.73	I
391	19.298610	78.657889	12.26	I
392	19.293362	78.667731	9.63	I
393	19.292894	78.685413	5.91	II
394	19.296869	78.697588	8.47	II
395	19.295846	78.688029	14.56	II
396	19.298287	78.683345	10.30	II
397	19.297690	78.692533	8.53	II
398	19.307274	78.671116	16.62	II
399	19.306946	78.669967	13.05	II
400	19.302873	78.679934	10.67	II
401	19.296933	78.682505	12.54	IV
402	19.292619	78.695025	10.62	IV
403	19.291994	78.684171	7.74	IV
404	19.309883	78.675443	11.39	IV
405	19.292781	78.691013	13.73	IV
406	19.308450	78.676538	13.48	IV
407	19.304125	78.681860	5.92	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 Dhoomdhari South Beat



Division : Khanapur  
Range : Pemb

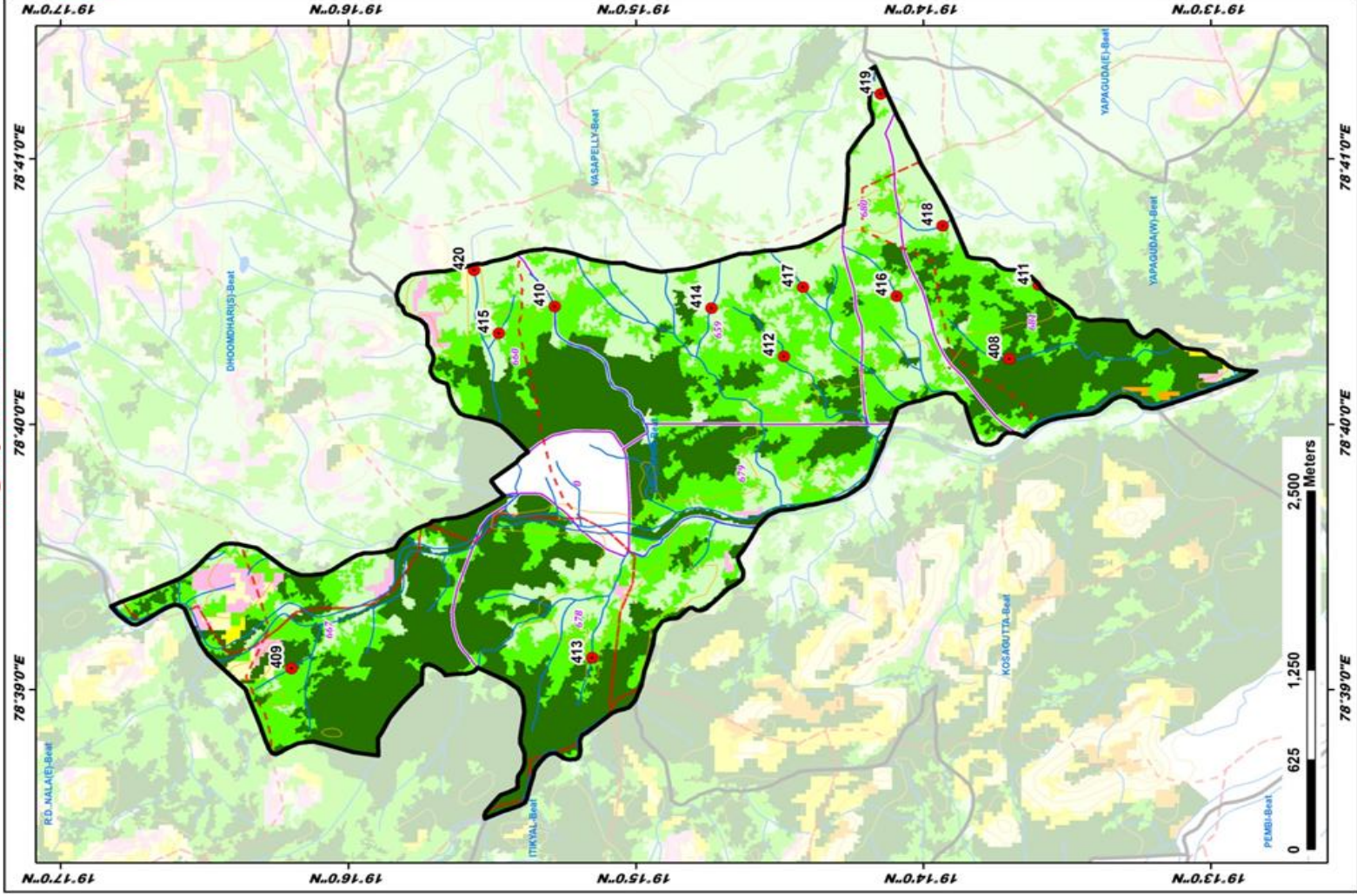
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
540	19.292011	78.675871	14.90	I
541	19.294367	78.665248	10.23	I
542	19.263875	78.674719	8.96	I
543	19.272618	78.703557	6.28	II
544	19.270451	78.686255	9.92	II
545	19.270479	78.688498	5.70	II
546	19.290037	78.676356	6.66	II
547	19.282795	78.680020	6.82	II
548	19.290395	78.677329	14.43	II
549	19.295116	78.677943	9.69	II
550	19.273646	78.694292	10.95	IV
551	19.264370	78.667277	15.09	IV
552	19.283097	78.691340	9.54	IV
553	19.282276	78.682096	12.58	IV
554	19.288725	78.685374	8.60	IV
555	19.277763	78.694206	5.53	IV
556	19.285452	78.682424	12.23	IV
557	19.284741	78.673137	16.96	IV
558	19.277400	78.679569	7.03	IV
559	19.272888	78.684380	20.02	IV
560	19.278098	78.673314	8.87	IV
561	19.268734	78.671320	11.38	IV
562	19.278892	78.697868	7.75	IV
563	19.287936	78.684157	12.38	IV
564	19.273917	78.693285	6.78	IV
565	19.263455	78.671290	9.24	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 Engalur Beat



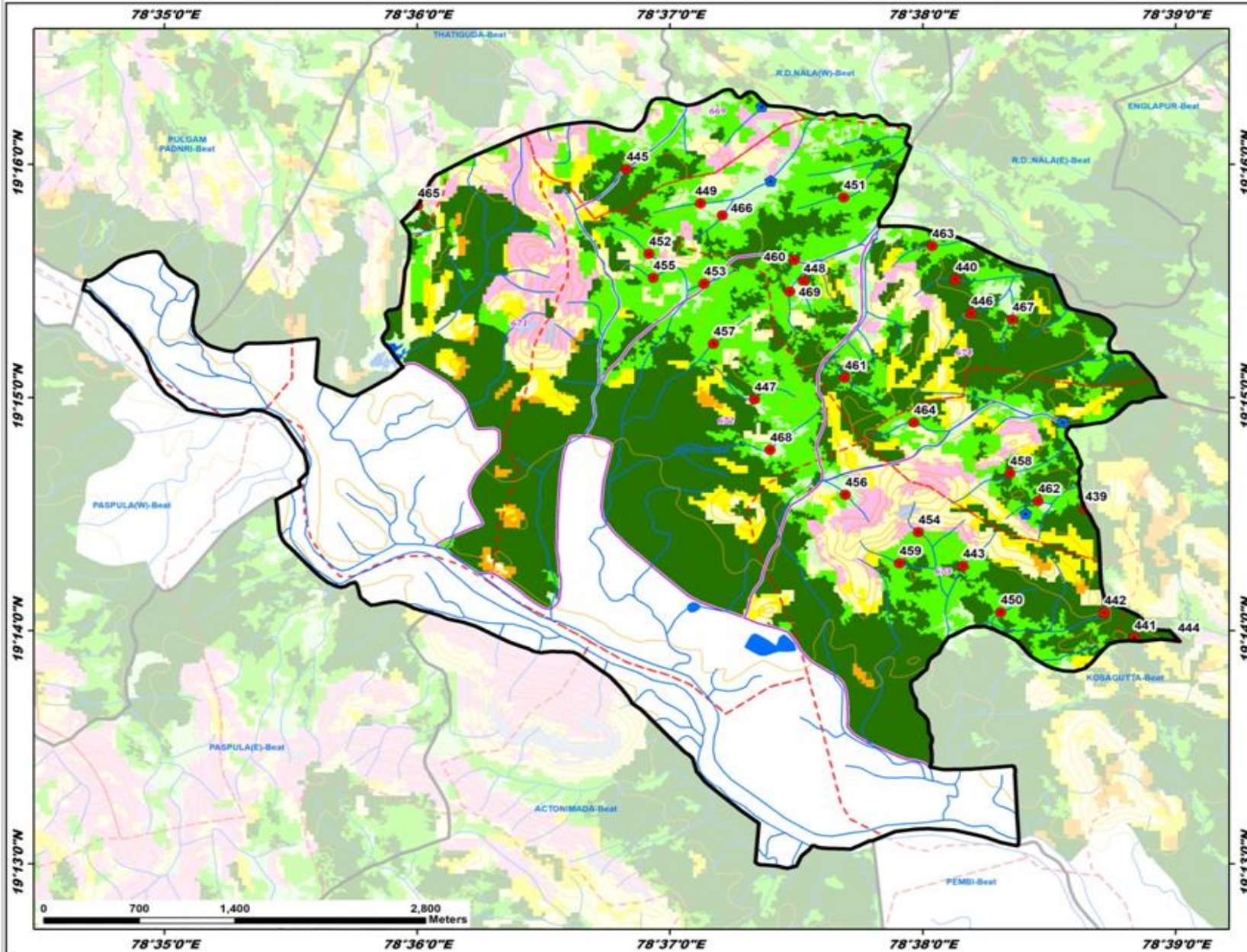
Division : Khanapur  
Range : Pemb



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



Division : Khanapur  
Range : Pemb



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
439	19.242041	78.644042	24.21	I
440	19.258445	78.635485	13.19	I
441	19.232827	78.647286	5.30	I
442	19.234613	78.645309	13.66	I
443	19.237968	78.635986	9.35	I
444	19.232660	78.650165	5.62	I
445	19.266343	78.613813	18.89	I
446	19.256028	78.636519	10.51	I
447	19.249879	78.622247	16.51	I
448	19.258347	78.625487	7.55	II
449	19.263875	78.618697	16.40	II
450	19.234646	78.638476	15.36	II
451	19.264311	78.628128	10.84	II
452	19.260281	78.615290	7.54	II
453	19.256145	78.618922	14.62	II
454	19.240376	78.633058	6.02	II
455	19.258554	78.615578	4.54	II
456	19.243068	78.628229	11.57	II
457	19.253843	78.619550	21.80	II
458	19.244575	78.639087	15.53	II
459	19.238154	78.631812	8.27	II
460	19.239833	78.624866	12.46	II
461	19.251413	78.628194	10.84	II
462	19.242609	78.640941	6.02	II
463	19.260842	78.633970	12.38	II
464	19.248223	78.632761	9.80	II
465	19.263725	78.600032	7.30	IV
466	19.263017	78.620133	9.75	IV
467	19.255584	78.639259	6.97	IV
468	19.246265	78.623273	21.09	IV
469	19.257569	78.624571	8.77	IV

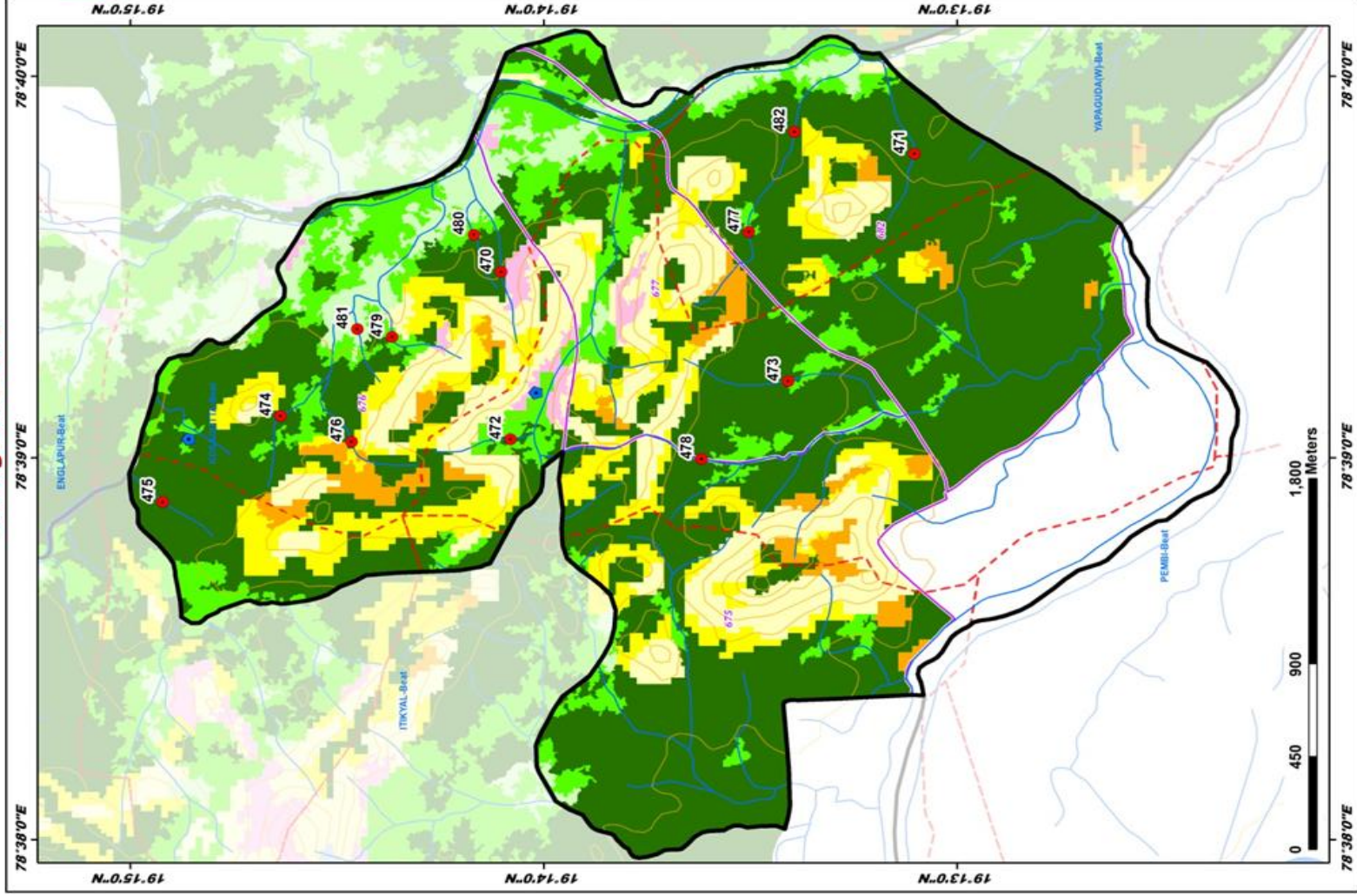
**LEGEND**

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

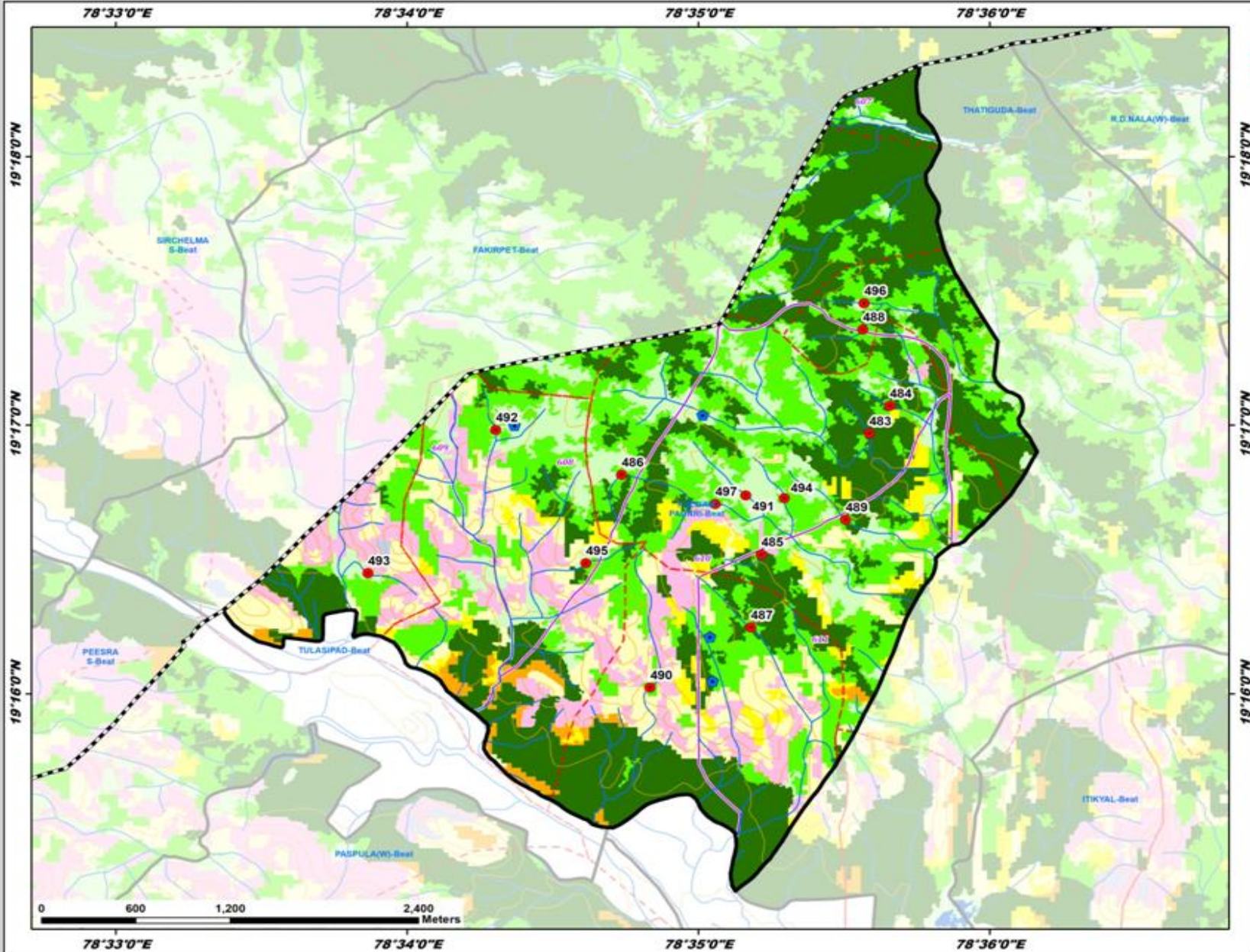
# Map Showing Suitability Index for Construction of SMC Works of Kosagutta Beat



Division : Khanapur  
Range : Pembri



# Map Showing Suitability Index for Construction of SMC Works of Pulgam Padnri Beat



Division : Khanapur  
Range : Pemb

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
483	19.282819	78.593124	6.90	I
484	19.284541	78.594296	8.91	I
485	19.275817	78.586937	6.93	I
486	19.280252	78.579939	7.34	II
487	19.270792	78.586353	17.94	II
488	19.289268	78.592754	11.62	II
489	19.277466	78.591768	16.08	II
490	19.267051	78.580583	30.24	III
491	19.278975	78.586062	15.44	IV
492	19.283047	78.571746	6.95	IV
493	19.274148	78.564436	9.73	IV
494	19.278815	78.588259	9.29	IV
495	19.274769	78.576896	12.10	IV
496	19.290909	78.592832	6.25	IV
497	19.278453	78.584310	29.46	V

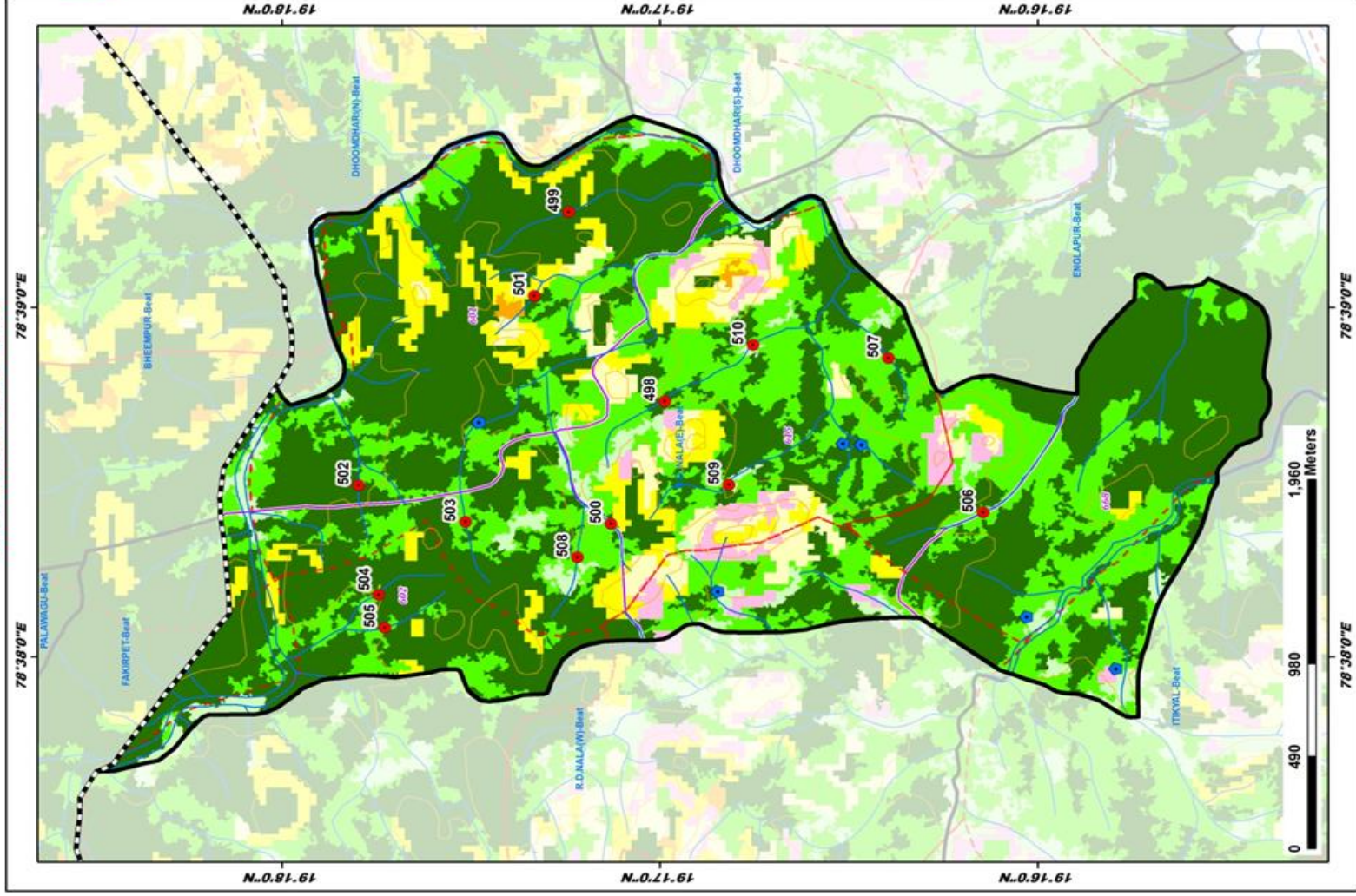
### LEGEND

- 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

# Map Showing Suitability Index for Construction of SMC Works of R.D Nala East Beat



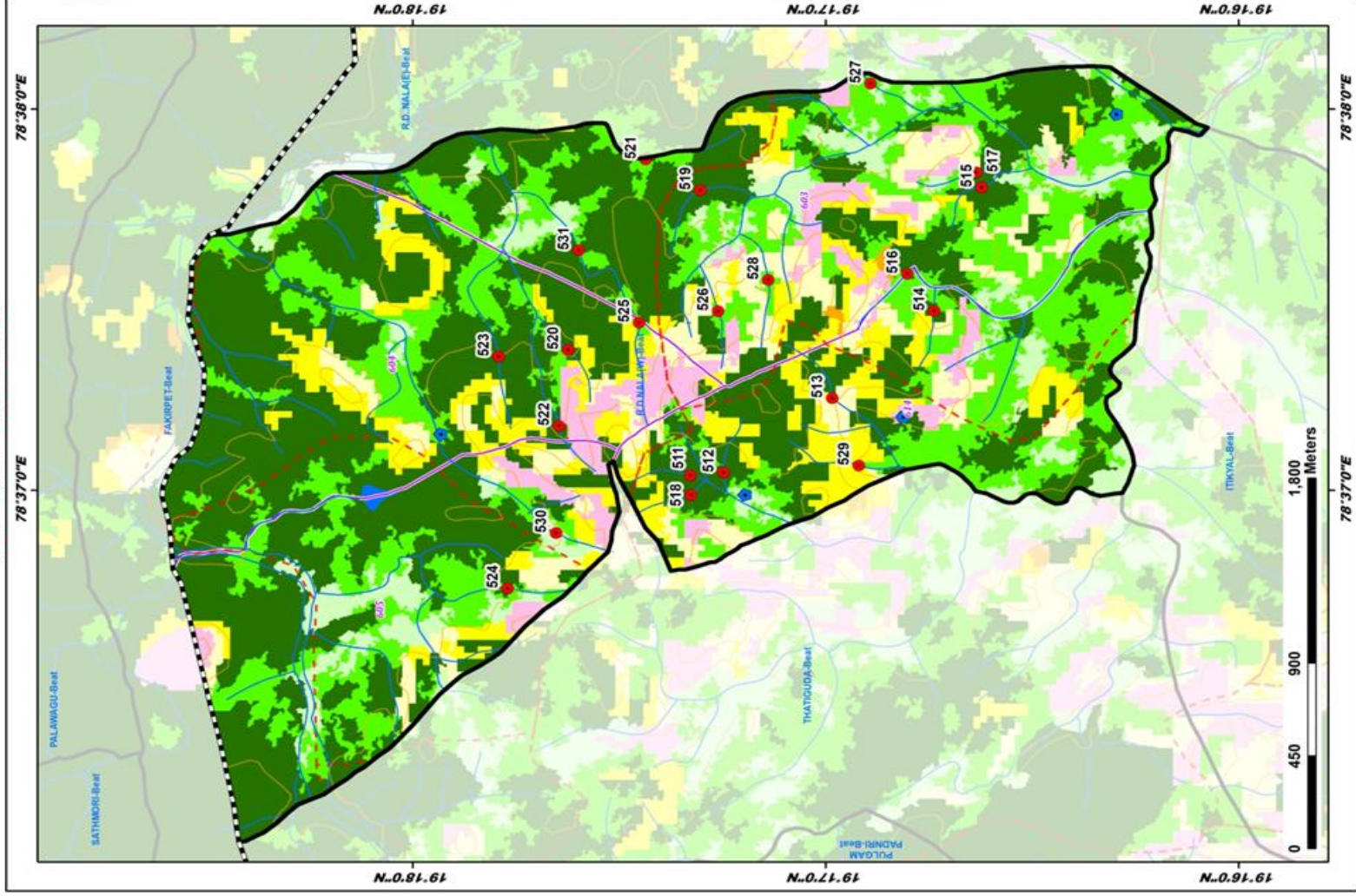
Division : Khanapur  
Range : Pembri



# Map Showing Suitability Index for Construction of SMC Works of R.D Nala West Beat



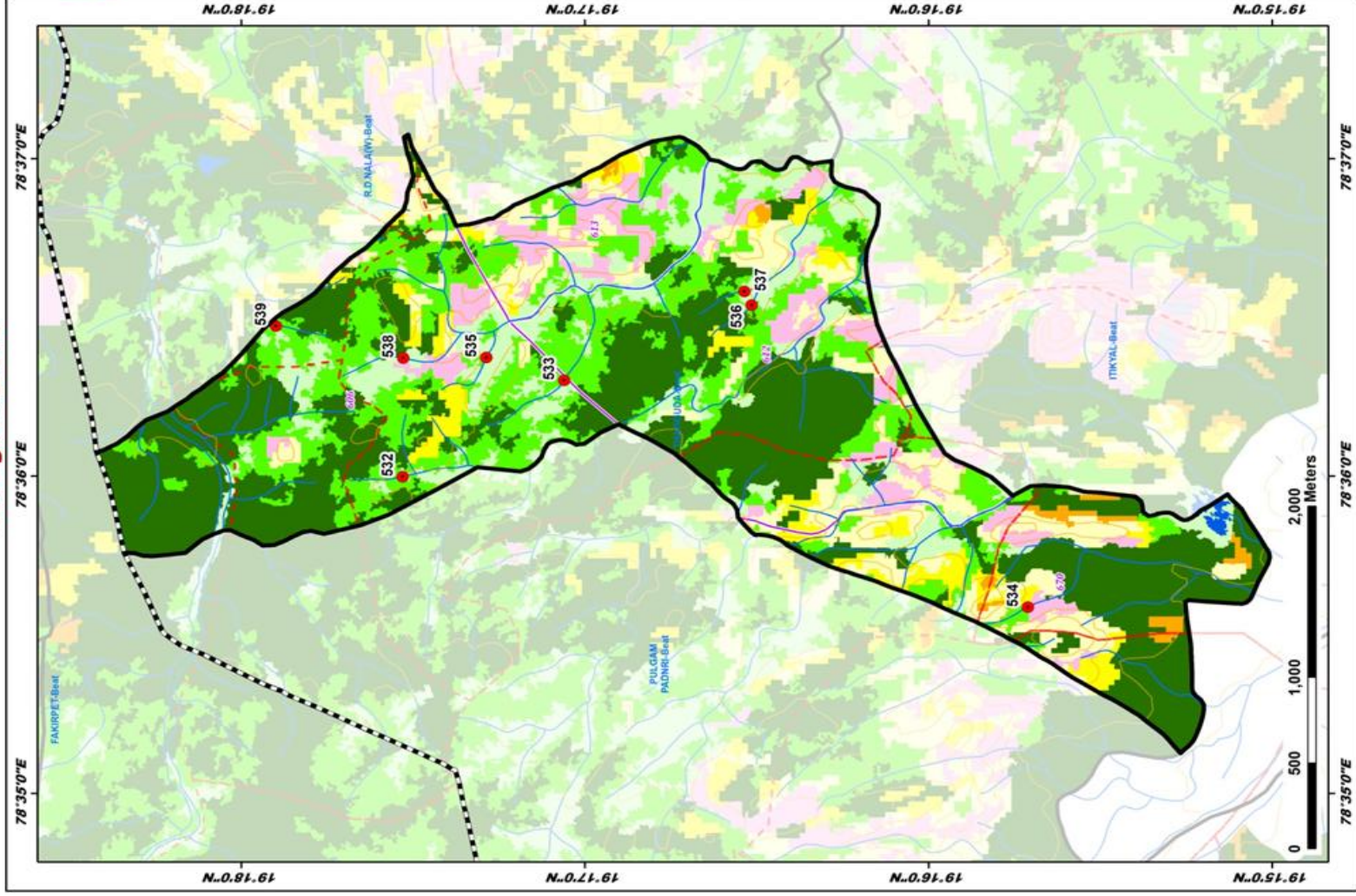
Division : Khanapur  
Range : Pembri



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



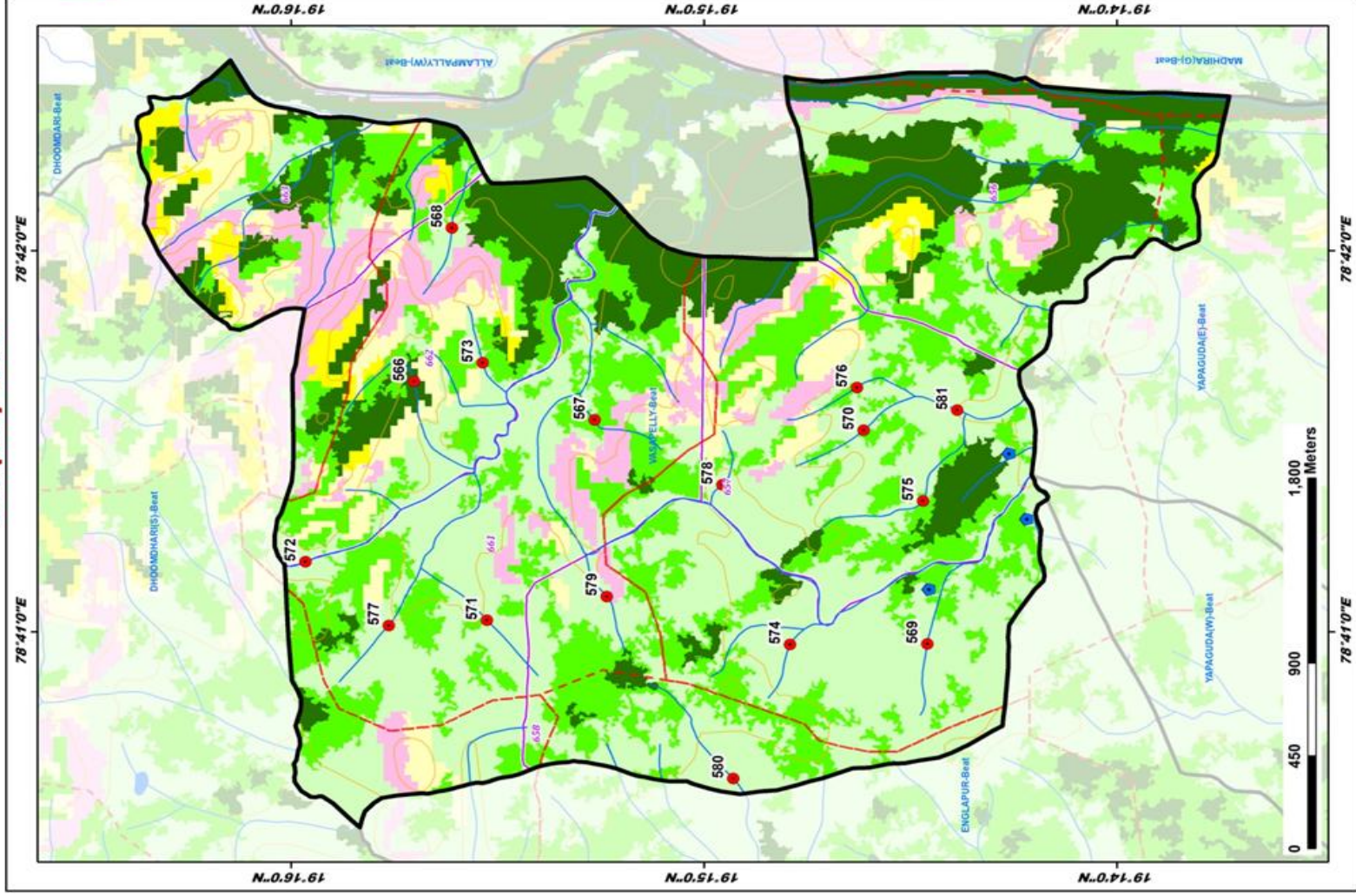
Division : Khanapur  
Range : Pembri



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



Division : Khanapur  
Range : Pembri



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
566	19.261691	78.694292	16.11	I
567	19.254408	78.692613	12.35	II
568	19.260166	78.701006	12.67	IV
569	19.240983	78.682824	21.09	IV
570	19.243550	78.692161	13.91	IV
571	19.258751	78.683953	13.42	IV
572	19.266075	78.686413	10.72	IV
573	19.258927	78.695314	6.88	IV
574	19.246519	78.682799	9.08	IV
575	19.241150	78.689073	17.52	IV
576	19.243819	78.694024	13.74	IV
577	19.262710	78.683618	19.81	IV
578	19.249254	78.689770	7.30	IV
579	19.253917	78.684897	6.35	IV
580	19.248816	78.676940	32.61	V
581	19.239779	78.693039	45.40	V

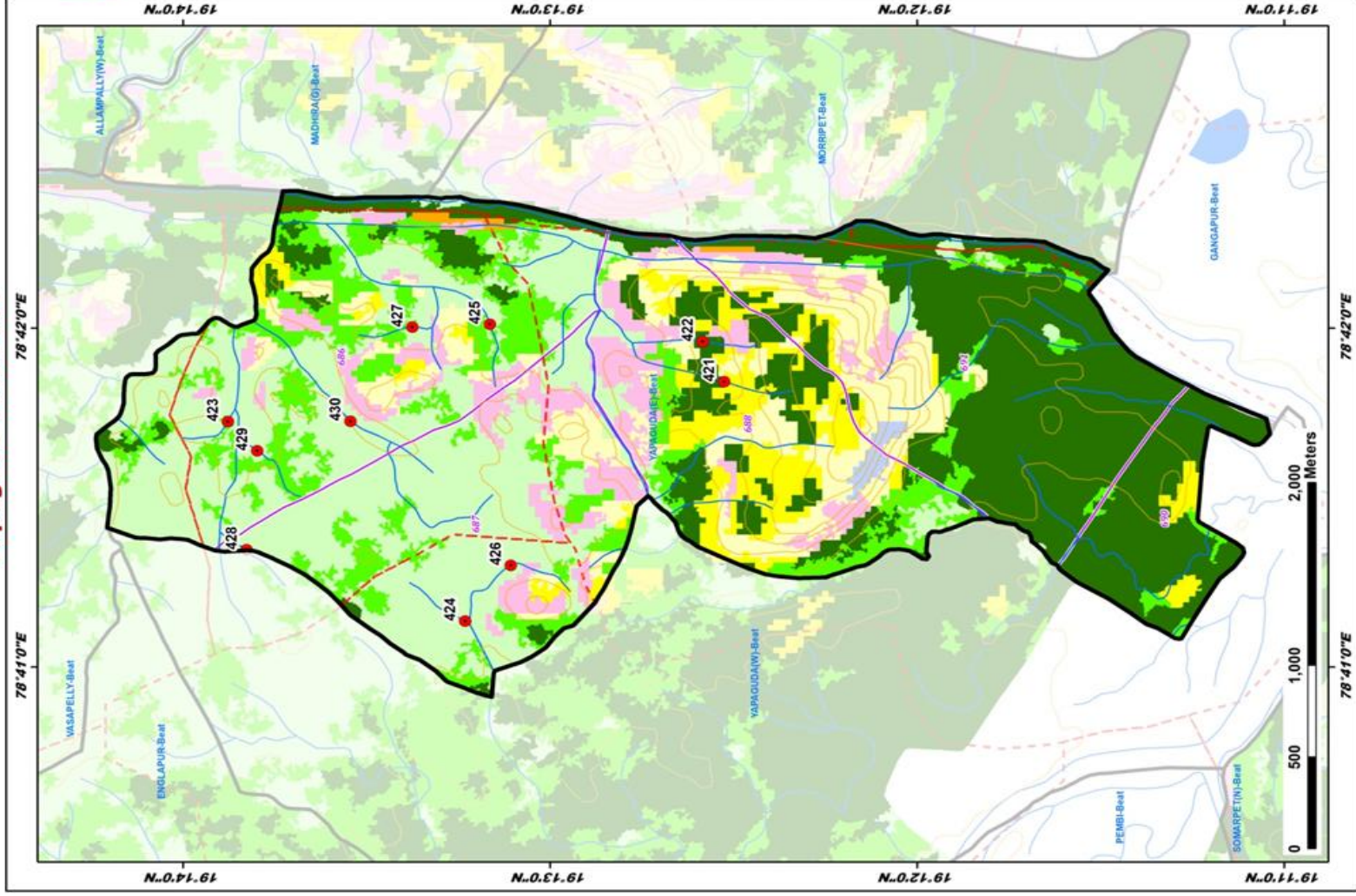
## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Pembri



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
421	19.208769	78.697378	8.29	I
422	19.209734	78.699353	11.66	I
423	19.231298	78.695416	6.87	II
424	19.220517	78.685608	10.29	IV
425	19.219397	78.700207	11.74	IV
426	19.219459	78.688347	12.90	IV
427	19.222915	78.700059	10.20	IV
428	19.230443	78.689118	7.26	IV
429	19.229959	78.693086	33.22	V
430	19.225727	78.695440	54.01	V

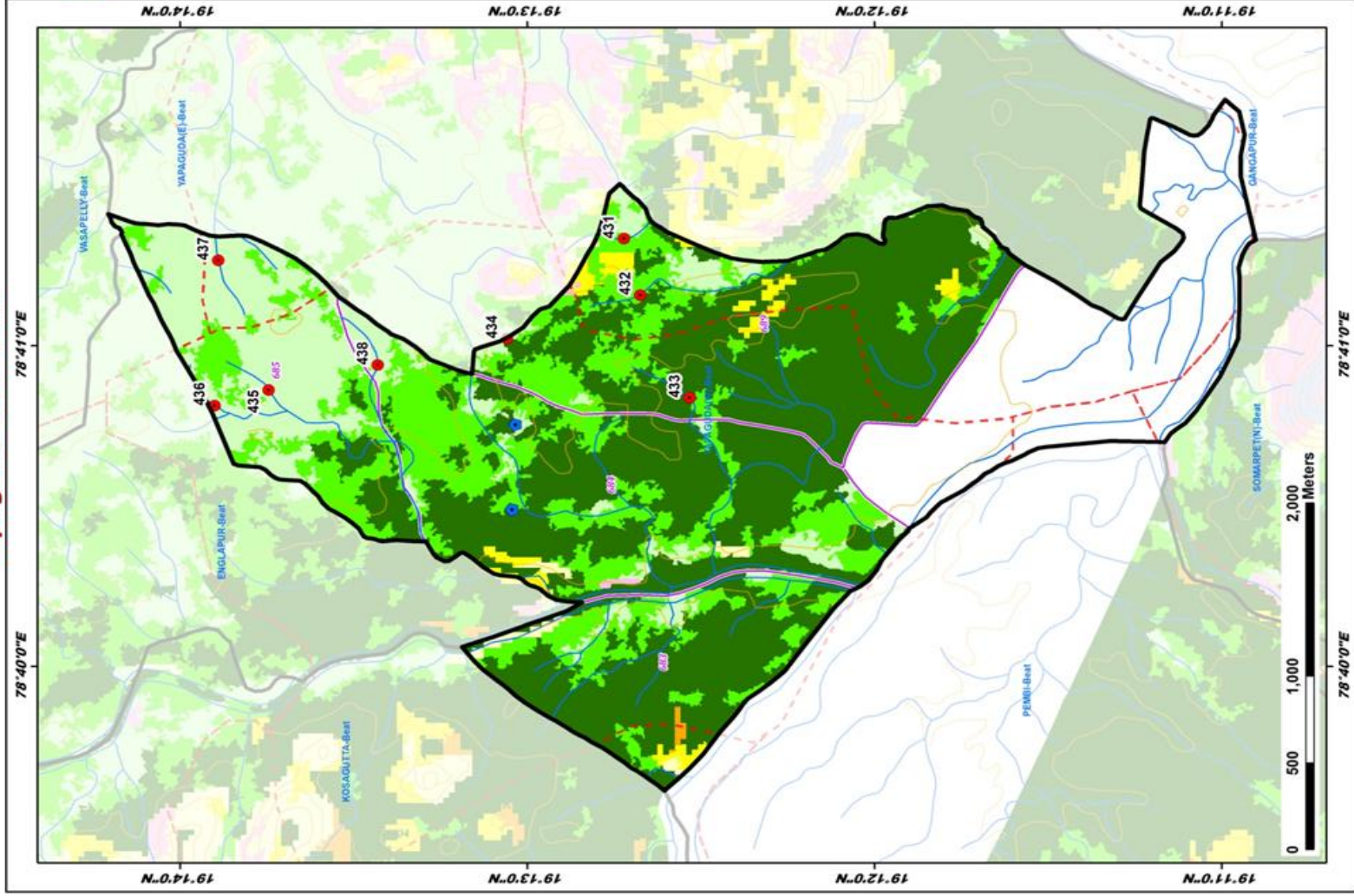
## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Pembli

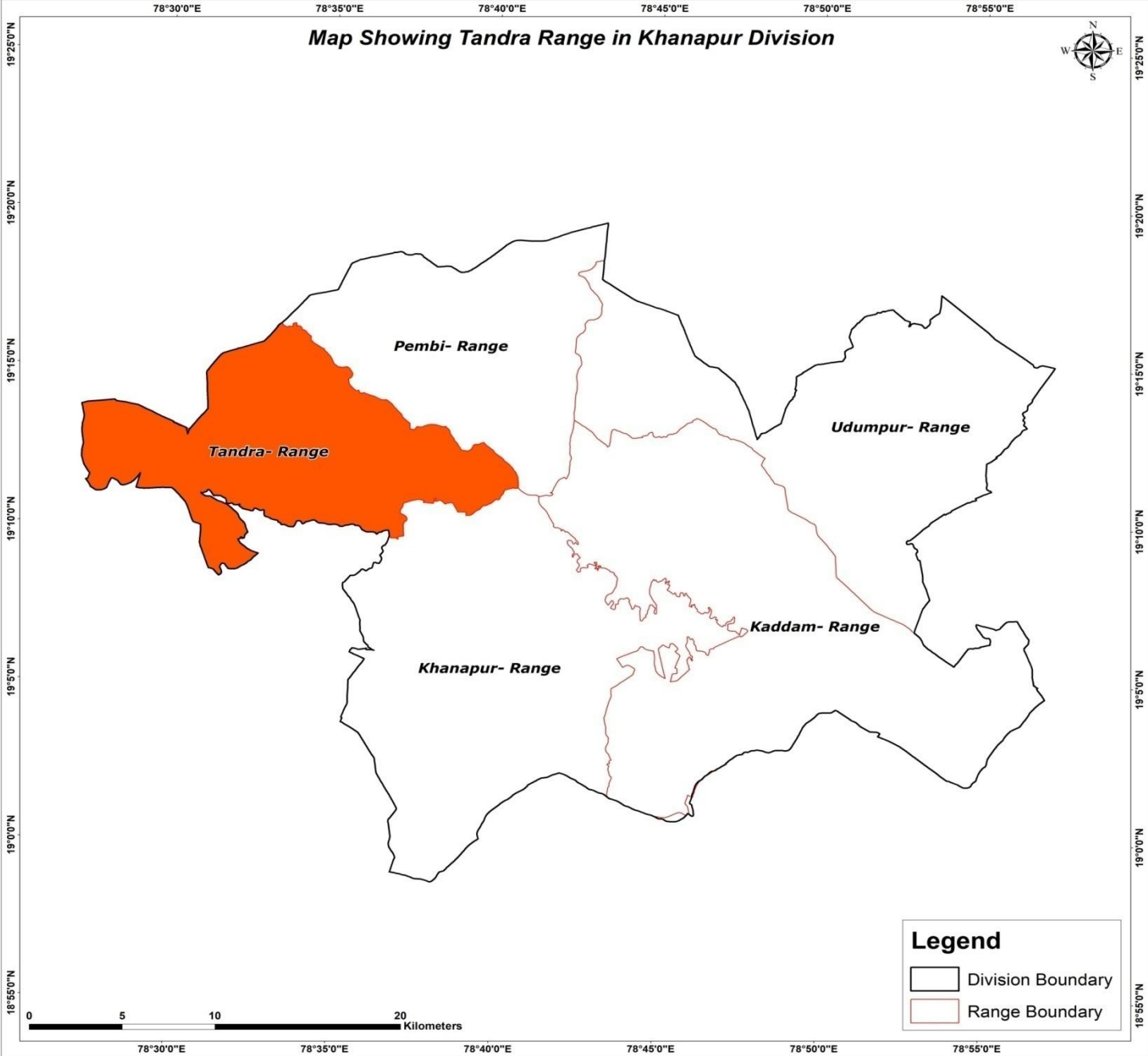


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
431	19.212029	78.688922	12.96	II
432	19.211238	78.685983	9.33	II
433	19.208871	78.680650	31.09	II
434	19.217833	78.687733	11.75	IV
435	19.229075	78.681055	14.58	IV
436	19.231664	78.680248	8.12	IV
437	19.231492	78.687794	17.57	IV
438	19.223947	78.682360	22.50	IV

## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGP's - Suitable
- Not Suitable
- Water Body

**Map Showing Tandra Range in Khanapur Division**



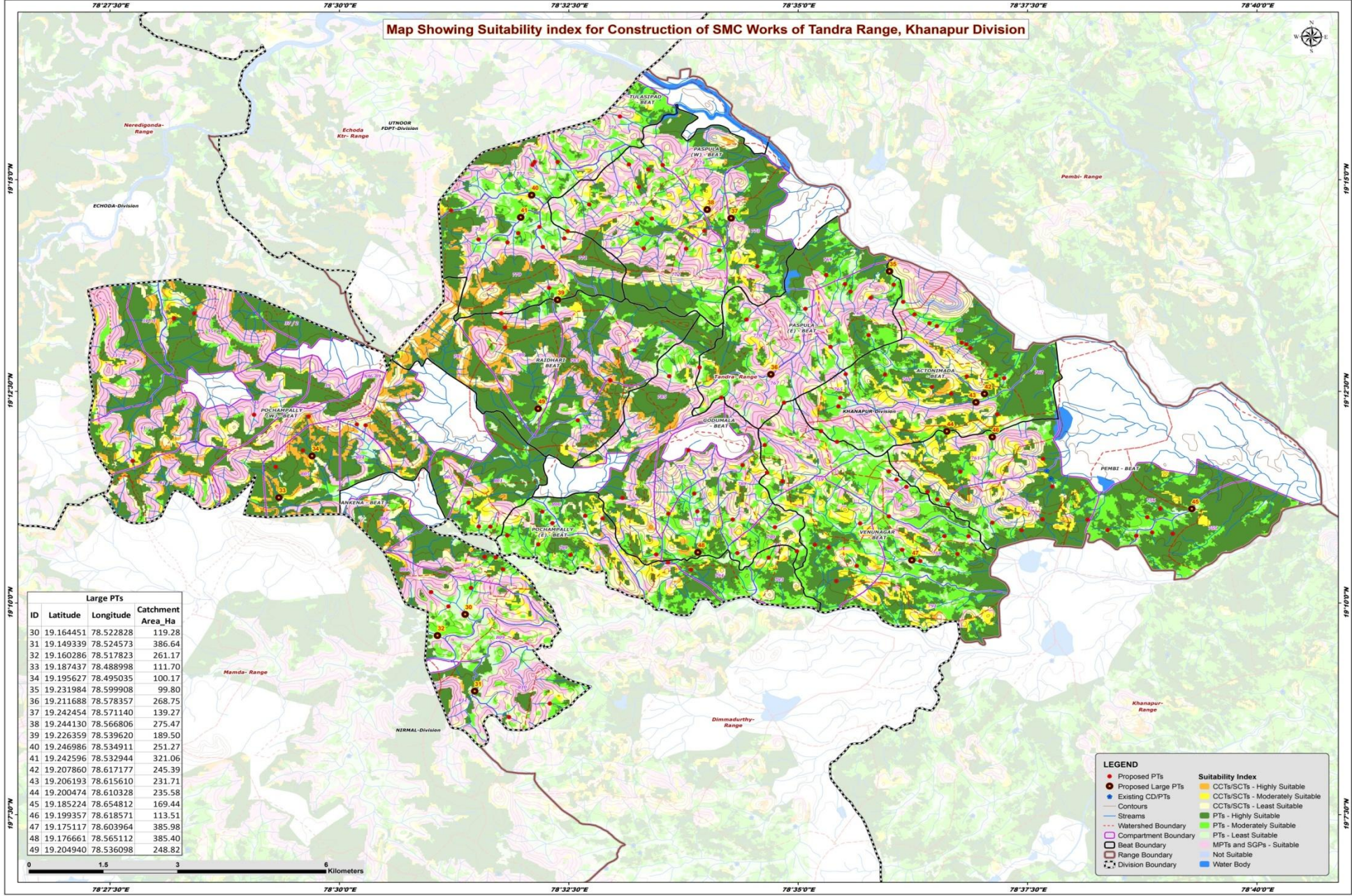
18°55'0"N  
19°0'0"N  
19°5'0"N  
19°10'0"N  
19°15'0"N  
19°20'0"N  
19°25'0"N

18°55'0"N  
19°0'0"N  
19°5'0"N  
19°10'0"N  
19°15'0"N  
19°20'0"N  
19°25'0"N

78°30'0"E 78°35'0"E 78°40'0"E 78°45'0"E 78°50'0"E 78°55'0"E

78°30'0"E 78°35'0"E 78°40'0"E 78°45'0"E 78°50'0"E 78°55'0"E

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



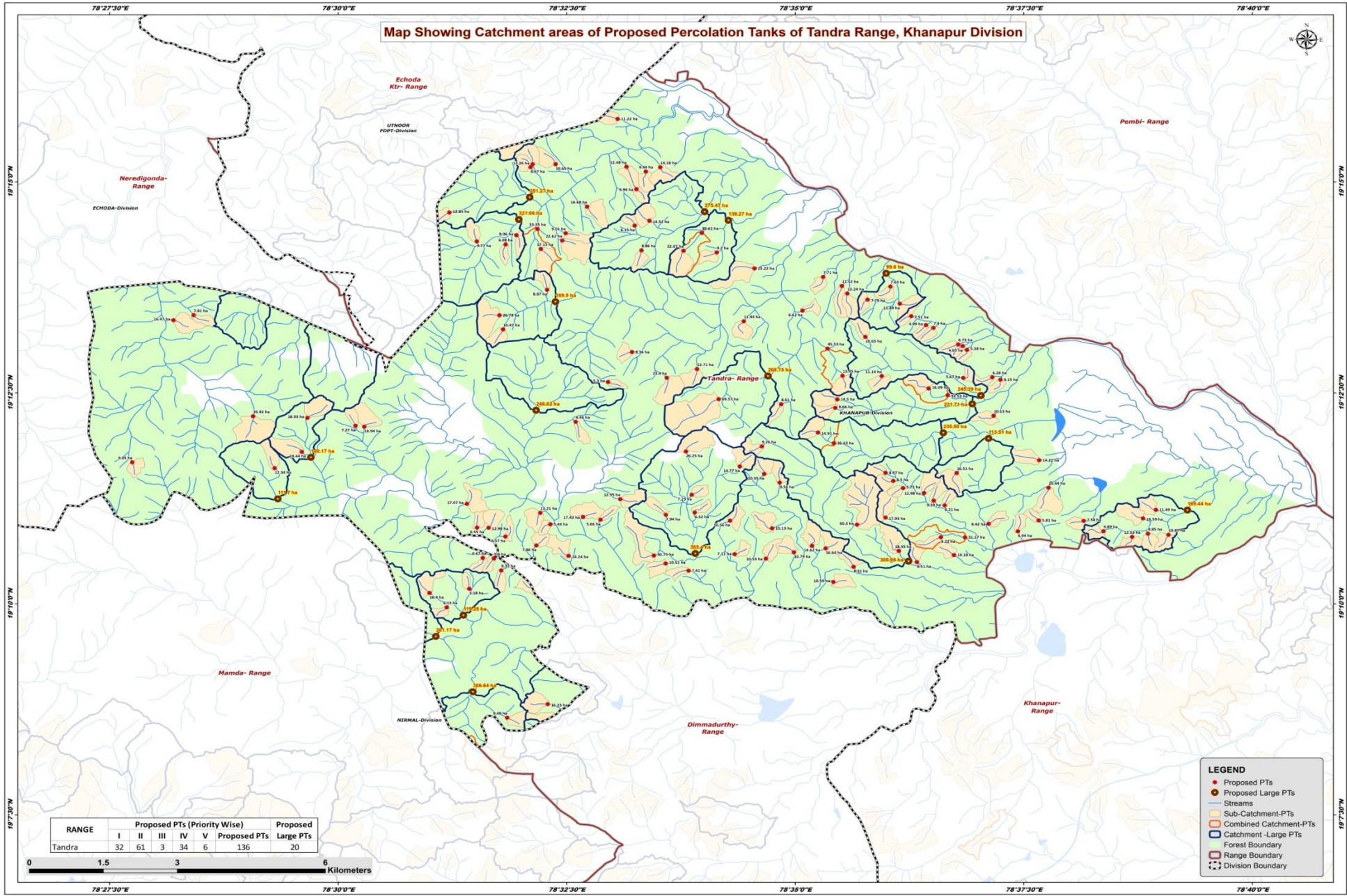
Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
30	19.164451	78.522828	119.28
31	19.149339	78.524573	386.64
32	19.160286	78.517823	261.17
33	19.187437	78.488998	111.70
34	19.195627	78.495035	100.17
35	19.231984	78.599908	99.80
36	19.211688	78.578357	268.75
37	19.242454	78.571140	139.27
38	19.244130	78.566806	275.47
39	19.226359	78.539620	189.50
40	19.246986	78.534911	251.27
41	19.242596	78.532944	321.06
42	19.207860	78.617177	245.39
43	19.206193	78.615610	231.71
44	19.200474	78.610328	235.58
45	19.185224	78.654812	169.44
46	19.199357	78.618571	113.51
47	19.175117	78.603964	385.98
48	19.176661	78.565112	385.40
49	19.204940	78.536098	248.82

**LEGEND**

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



### Map Showing Catchment areas of Proposed Percolation Tanks of Tandra Range, Khanapur Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Tandra	32	61	3	34	6	136



**LEGEND**

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

78°27'30"E      78°30'0"E      78°32'30"E      78°35'0"E      78°37'30"E      78°40'0"E

19°13'0"N

19°12'0"N

19°10'0"N

19°7'0"N

19°13'0"N

19°12'0"N

19°10'0"N

19°7'0"N

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

S. No.	Beat	Proposed PT's
1	ACTONIMADA	17
2	ANKENA	8
3	GODUMALA	12
4	PASPULA(E)	12
5	PASPULA(W)	13
6	PEMBI	16
7	POCHAMPALLY EAST	10
8	POCHAMPALLY WEST	12
9	RAIDHARI	5
10	TULASIPAD	12
11	VENUNAGAR	19
	<b>Total</b>	<b>136</b>

## List of Proposed PTs – Tandra 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
582	19.175775	78.526378	6.67	I	ANKENA	622	19.213059	78.565415	12.71	IV	PASPULA(E)	662	19.221192	78.608527	7.40	IV	ACTONIMADA
583	19.169676	78.523907	5.18	II	ANKENA	623	19.217120	78.589219	45.53	V	PASPULA(E)	663	19.211753	78.591968	13.45	IV	ACTONIMADA
584	19.146896	78.538208	16.23	II	ANKENA	624	19.248579	78.554395	6.96	I	PASPULA(W)	664	19.207087	78.591000	14.50	IV	ACTONIMADA
585	19.173295	78.529727	8.32	II	ANKENA	625	19.241393	78.554072	6.15	II	PASPULA(W)	665	19.207908	78.611135	33.53	II	ACTONIMADA
586	19.175640	78.528402	5.40	II	ANKENA	626	19.236438	78.562982	22.07	II	PASPULA(W)	666	19.181037	78.639509	9.89	I	PEMBI
587	19.166006	78.519794	6.15	IV	ANKENA	627	19.239875	78.541481	9.01	II	PASPULA(W)	667	19.183174	78.627719	5.81	I	PEMBI
588	19.144218	78.530810	9.48	IV	ANKENA	628	19.236090	78.569021	9.20	II	PASPULA(W)	668	19.185275	78.649084	11.49	I	PEMBI
589	19.168851	78.516666	16.40	IV	ANKENA	629	19.252061	78.556108	9.94	II	PASPULA(W)	669	19.181020	78.623928	6.94	I	PEMBI
590	19.184682	78.536854	13.21	I	POCHAMPALLY (E)	630	19.252902	78.558730	14.28	II	PASPULA(W)	670	19.195063	78.627795	14.22	I	PEMBI
591	19.179983	78.530488	6.57	I	POCHAMPALLY (E)	631	19.232935	78.575898	25.22	III	PASPULA(W)	671	19.180338	78.651383	10.87	I	PEMBI
592	19.183301	78.547826	5.66	I	POCHAMPALLY (E)	632	19.253011	78.552586	12.48	IV	PASPULA(W)	672	19.183100	78.635903	7.58	I	PEMBI
593	19.173254	78.563878	7.41	II	POCHAMPALLY (E)	633	19.242361	78.556749	14.52	IV	PASPULA(W)	673	19.192525	78.612765	16.51	II	PEMBI
594	19.176182	78.541998	14.24	II	POCHAMPALLY (E)	634	19.245148	78.545378	16.68	IV	PASPULA(W)	674	19.186146	78.610584	6.21	II	PEMBI
595	19.174666	78.559714	10.51	II	POCHAMPALLY (E)	635	19.236512	78.555304	8.86	IV	PASPULA(W)	675	19.183574	78.646737	16.59	II	PEMBI
596	19.178236	78.536125	7.86	II	POCHAMPALLY (E)	636	19.239958	78.566304	38.62	II	PASPULA(W)	676	19.188579	78.606811	12.98	II	PEMBI
597	19.175630	78.577973	10.53	II	POCHAMPALLY (E)	637	19.253525	78.539652	10.65	I	TULASIPAD	677	19.187066	78.608593	9.39	II	PEMBI
598	19.182417	78.538680	5.43	IV	POCHAMPALLY (E)	638	19.239503	78.532492	8.06	II	TULASIPAD	678	19.182511	78.618588	8.42	II	PEMBI
599	19.183843	78.544654	17.43	IV	POCHAMPALLY (E)	639	19.228710	78.538105	8.87	II	TULASIPAD	679	19.180567	78.647617	9.85	II	PEMBI
600	19.203431	78.494390	18.93	I	POCHAMPALLY (W)	640	19.243967	78.520277	12.85	II	TULASIPAD	680	19.179932	78.644746	12.53	II	PEMBI
601	19.196711	78.493384	19.44	I	POCHAMPALLY (W)	641	19.237672	78.530530	6.08	IV	TULASIPAD	681	19.189627	78.629515	20.44	IV	PEMBI
602	19.193497	78.488437	12.34	I	POCHAMPALLY (W)	642	19.253512	78.535461	12.26	IV	TULASIPAD	682	19.190635	78.580489	9.56	I	VENUNAGAR
603	19.222703	78.469983	16.47	I	POCHAMPALLY (W)	643	19.238434	78.540870	22.62	IV	TULASIPAD	683	19.178154	78.586386	14.62	I	VENUNAGAR
604	19.223716	78.473656	7.81	I	POCHAMPALLY (W)	644	19.236789	78.536944	17.15	IV	TULASIPAD	684	19.171020	78.590276	10.59	I	VENUNAGAR
605	19.181754	78.525327	6.55	II	POCHAMPALLY (W)	645	19.238264	78.525271	9.77	IV	TULASIPAD	685	19.177662	78.588887	16.64	I	VENUNAGAR
606	19.186460	78.523468	17.07	II	POCHAMPALLY (W)	646	19.262460	78.550954	11.22	IV	TULASIPAD	686	19.192576	78.599793	8.97	II	VENUNAGAR
607	19.201862	78.503176	7.27	IV	POCHAMPALLY (W)	647	19.252917	78.535087	8.67	IV	TULASIPAD	687	19.174006	78.593974	8.31	II	VENUNAGAR
608	19.194654	78.462457	9.05	IV	POCHAMPALLY (W)	648	19.240724	78.536331	53.35	V	TULASIPAD	688	19.176338	78.612261	10.18	II	VENUNAGAR
609	19.181728	78.527420	12.98	IV	POCHAMPALLY (W)	649	19.216868	78.614651	5.38	I	ACTONIMADA	689	19.192342	78.577679	10.35	II	VENUNAGAR
610	19.201667	78.504759	16.94	IV	POCHAMPALLY (W)	650	19.203846	78.619507	10.13	I	ACTONIMADA	690	19.200536	78.587486	14.91	II	VENUNAGAR
611	19.203740	78.484497	35.92	V	POCHAMPALLY (W)	651	19.211449	78.619268	6.28	I	ACTONIMADA	691	19.177147	78.602225	18.35	II	VENUNAGAR
612	19.226770	78.596528	7.79	I	PASPULA(E)	652	19.211665	78.599113	11.14	I	ACTONIMADA	692	19.183739	78.599787	17.93	II	VENUNAGAR
613	19.229355	78.600686	7.63	II	PASPULA(E)	653	19.217605	78.613868	4.65	I	ACTONIMADA	693	19.179852	78.609882	9.22	II	VENUNAGAR
614	19.231254	78.588426	7.71	II	PASPULA(E)	654	19.209231	78.607645	16.09	I	ACTONIMADA	694	19.197791	78.577252	9.26	II	VENUNAGAR
615	19.227972	78.592832	13.24	II	PASPULA(E)	655	19.211304	78.613962	5.67	II	ACTONIMADA	695	19.190988	78.601200	8.50	IV	VENUNAGAR
616	19.229477	78.591853	11.52	II	PASPULA(E)	656	19.210972	78.620744	6.15	II	ACTONIMADA	696	19.174948	78.605502	8.51	IV	VENUNAGAR
617	19.222498	78.573959	11.93	II	PASPULA(E)	657	19.223503	78.604467	7.51	II	ACTONIMADA	697	19.189564	78.602984	5.75	IV	VENUNAGAR
618	19.219408	78.596127	10.65	II	PASPULA(E)	658	19.221757	78.607182	4.99	II	ACTONIMADA	698	19.182353	78.594588	60.30	V	VENUNAGAR
619	19.206118	78.580757	8.61	IV	PASPULA(E)	659	19.225982	78.602399	11.89	II	ACTONIMADA	699	19.179835	78.614285	31.17	III	VENUNAGAR
620	19.224597	78.584655	6.61	IV	PASPULA(E)	660	19.205382	78.590630	9.66	II	ACTONIMADA	700	19.198435	78.590387	36.63	V	VENUNAGAR
621	19.207125	78.569370	69.57	IV	PASPULA(E)	661	19.217939	78.613040	6.73	II	ACTONIMADA	701	19.187371	78.551444	12.95	I	GODUMALA

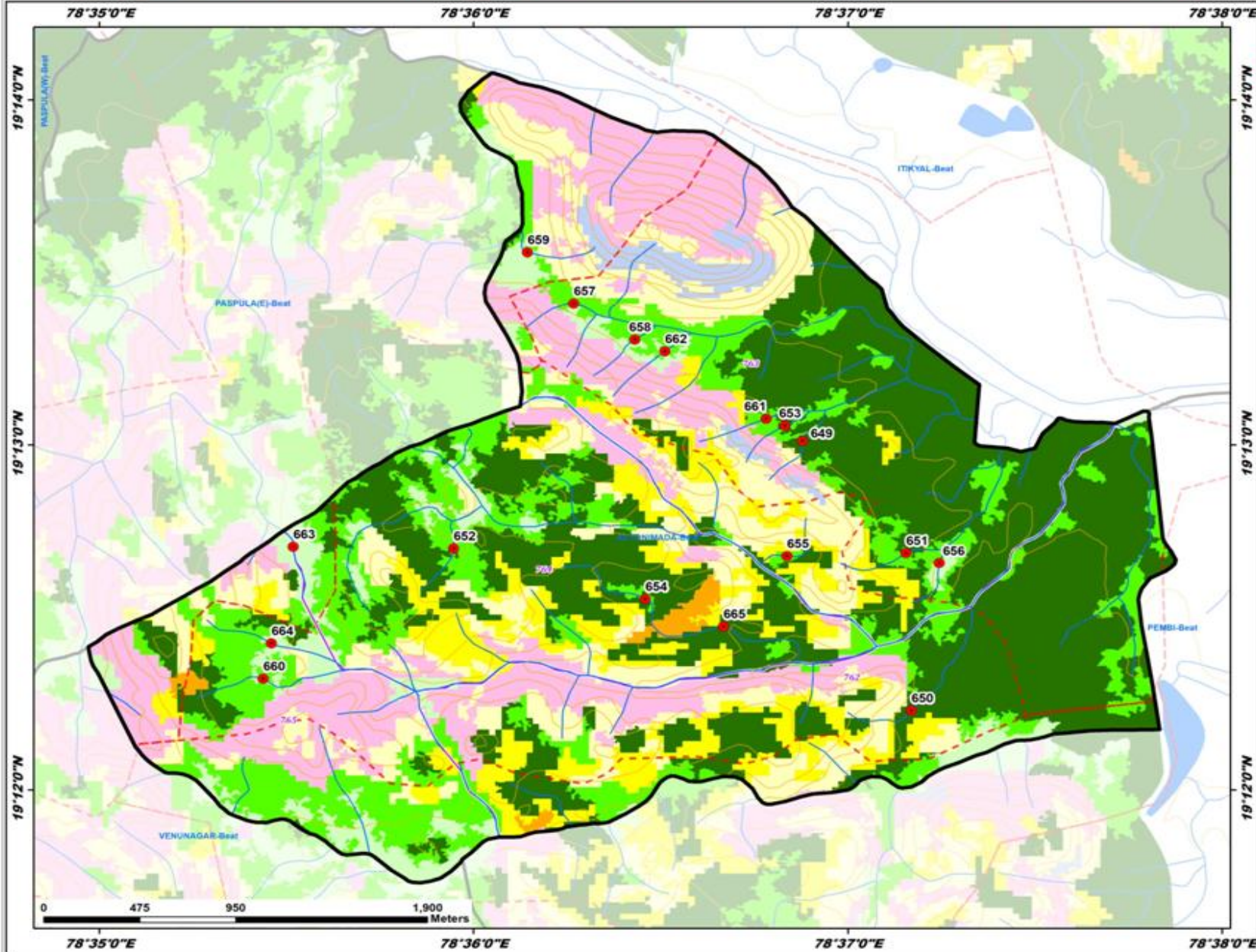
## List of Proposed PTs – Tandra Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
702	19.184262	78.559744	7.94	II	GODUMALA
703	19.196785	78.563399	26.25	II	GODUMALA
704	19.188238	78.564457	7.23	II	GODUMALA
705	19.184718	78.565013	6.32	II	GODUMALA
706	19.176888	78.583093	10.79	II	GODUMALA
707	19.193826	78.573229	14.77	II	GODUMALA
708	19.183117	78.571458	10.56	II	GODUMALA
709	19.176236	78.557552	30.75	III	GODUMALA
710	19.181608	78.579115	15.13	IV	GODUMALA
711	19.211325	78.559918	23.40	IV	GODUMALA
712	19.176513	78.572286	7.11	IV	GODUMALA
713	19.220892	78.530084	10.47	I	RAIDHARI
714	19.210517	78.549209	5.30	I	RAIDHARI
715	19.216421	78.553590	8.36	II	RAIDHARI
716	19.202654	78.543300	8.46	II	RAIDHARI
717	19.223681	78.529418	26.78	V	RAIDHARI

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



Division : Khanapur  
Range : Tandra



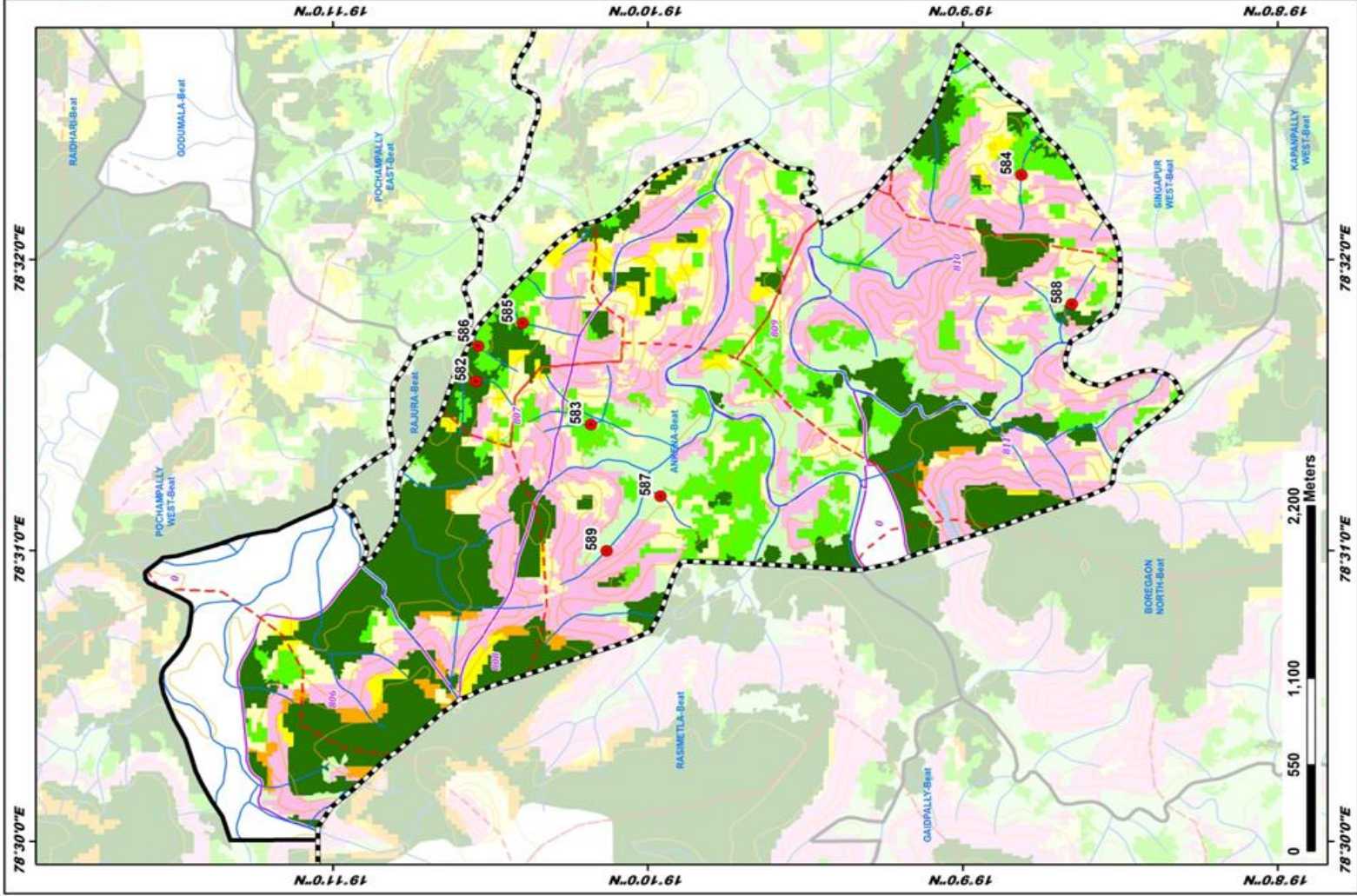
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
649	19.216968	78.614651	5.38	I
650	19.209846	78.619507	10.13	I
651	19.211449	78.619268	6.28	I
652	19.211605	78.599113	11.14	I
653	19.217605	78.613868	4.65	I
654	19.209231	78.607945	16.09	I
655	19.211304	78.613962	5.67	II
656	19.210972	78.620744	6.15	II
657	19.223509	78.604467	7.51	II
658	19.221757	78.607382	4.99	II
659	19.225982	78.602399	11.89	II
660	19.205382	78.590630	9.66	II
661	19.217939	78.613040	6.73	II
662	19.221192	78.608527	7.40	IV
663	19.211753	78.591968	13.45	IV
664	19.207087	78.591000	14.50	IV
665	19.207908	78.611135	33.53	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 Ankenla Beat



Division : Khanapur  
Range : Tandra

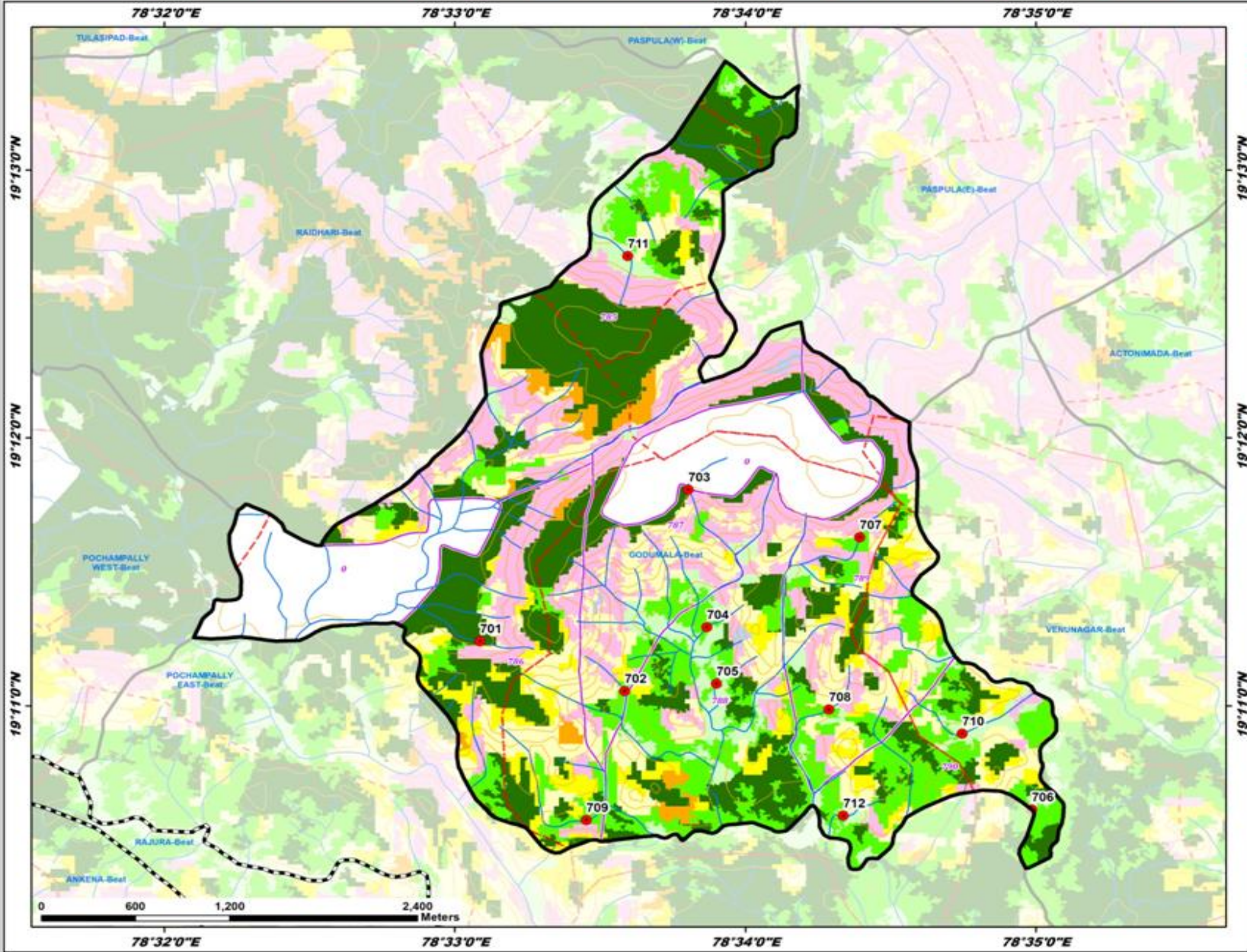


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
582	19.175775	78.526378	6.67	I
583	19.169676	78.529907	5.18	II
584	19.164896	78.538208	16.23	II
585	19.173095	78.529727	8.32	II
586	19.175640	78.528402	5.40	II
587	19.166006	78.517994	6.15	IV
588	19.144218	78.530810	9.48	IV
589	19.168851	78.516666	16.40	IV

## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Tandra

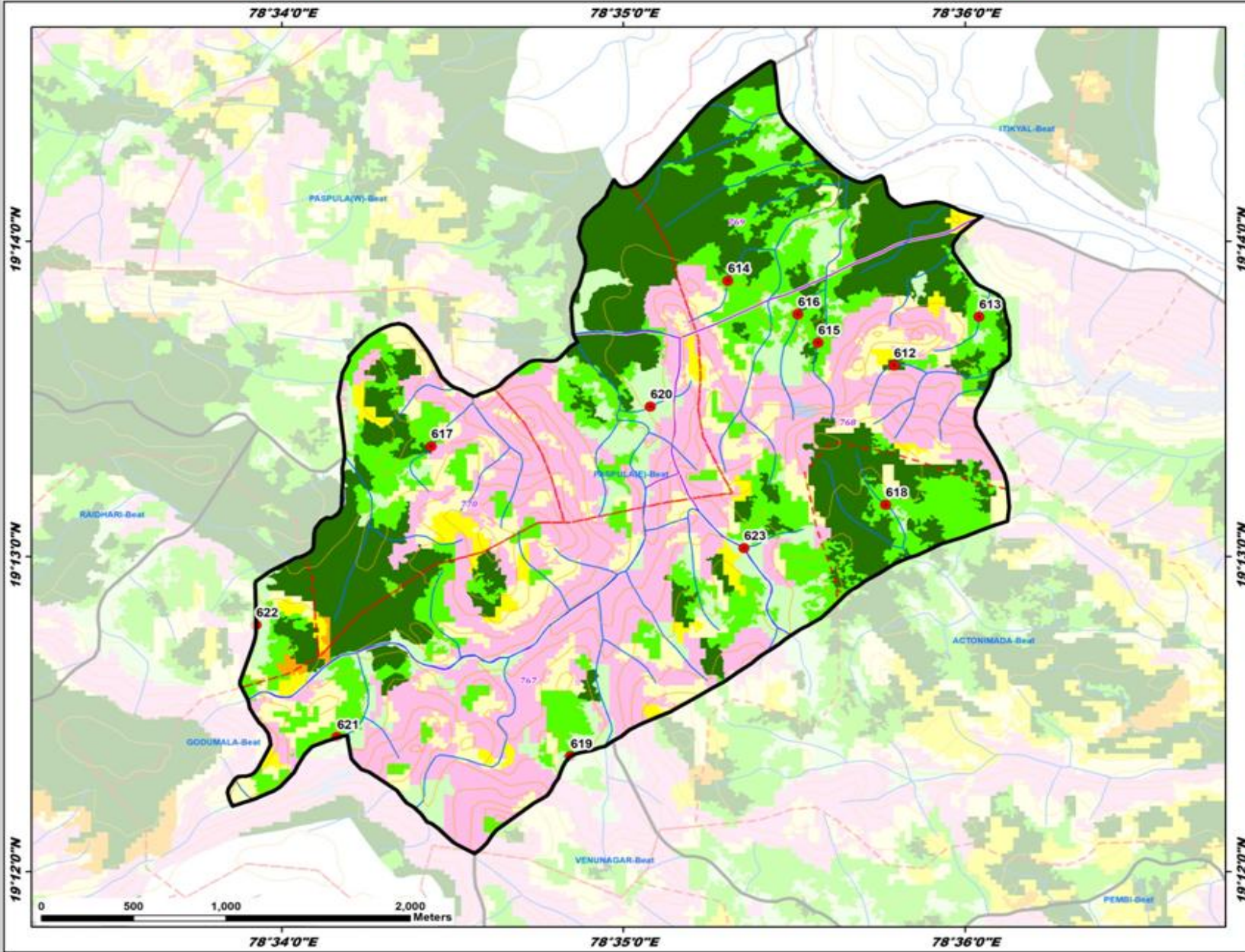
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
701	19.187371	78.551444	12.95	I
702	19.184262	78.559744	7.94	III
703	19.196785	78.563399	26.25	III
704	19.188238	78.564457	7.23	III
705	19.184718	78.565013	6.32	III
706	19.176888	78.583093	10.79	III
707	19.193826	78.573229	14.77	III
708	19.183117	78.571458	10.56	III
709	19.176236	78.557552	30.75	III
710	19.181608	78.579115	15.13	IV
711	19.211325	78.599918	23.40	IV
712	19.176513	78.572286	7.11	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 Paspula East Beat



Division : Khanapur  
Range : Tandra



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
612	19.226770	78.596528	7.79	I
613	19.229955	78.600686	7.63	II
614	19.231254	78.588426	7.71	III
615	19.227972	78.592832	13.24	III
616	19.229477	78.591853	11.52	III
617	19.222496	78.573959	11.93	III
618	19.219408	78.596127	10.65	III
619	19.206118	78.580757	8.61	IV
620	19.224597	78.584655	6.61	IV
621	19.207125	78.569370	68.57	IV
622	19.213059	78.565415	12.71	IV
623	19.217120	78.589219	45.53	V

**LEGEND**

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

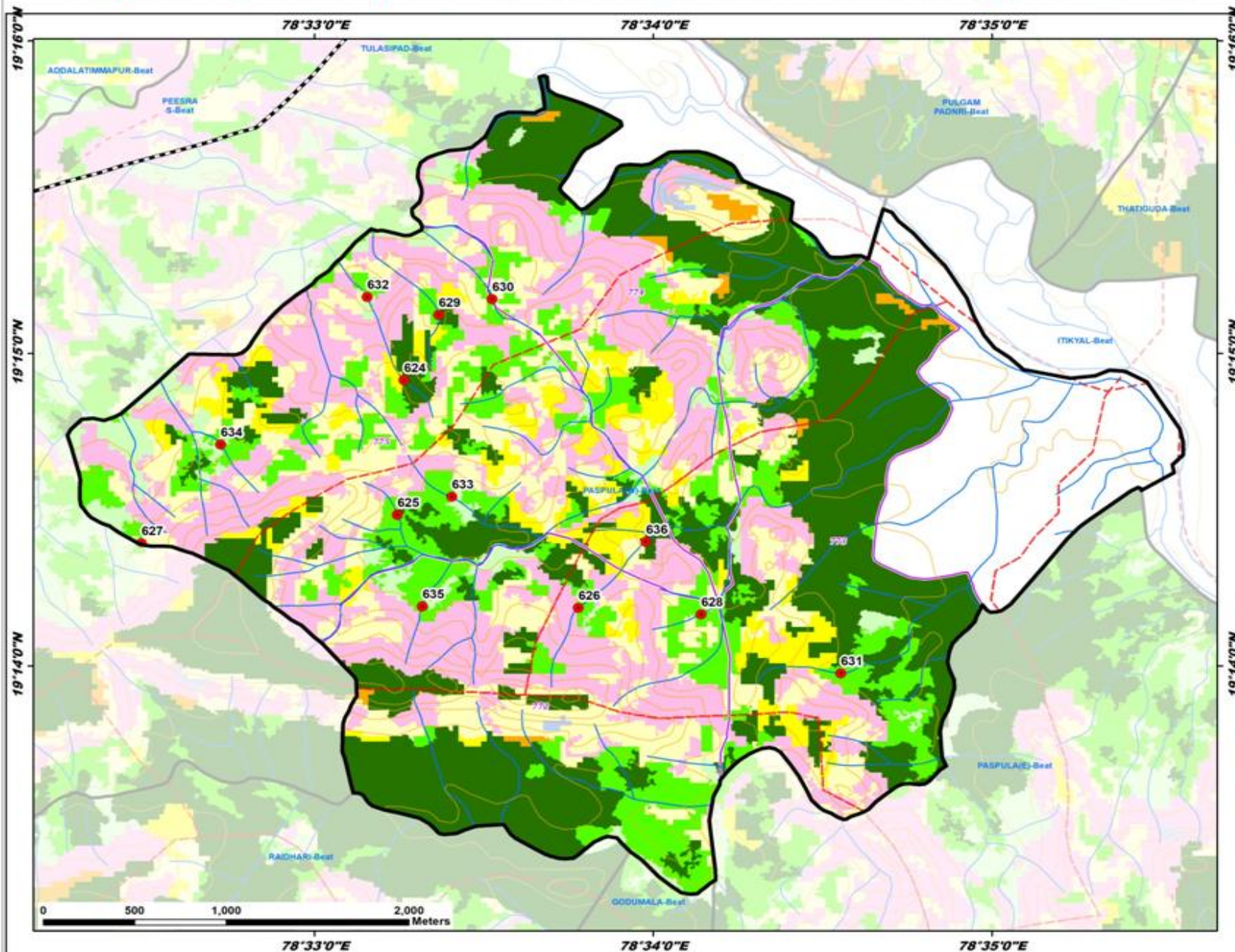
**Suitability Index**

- 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 Paspula West Beat



Division : Khanapur  
Range : Tandra

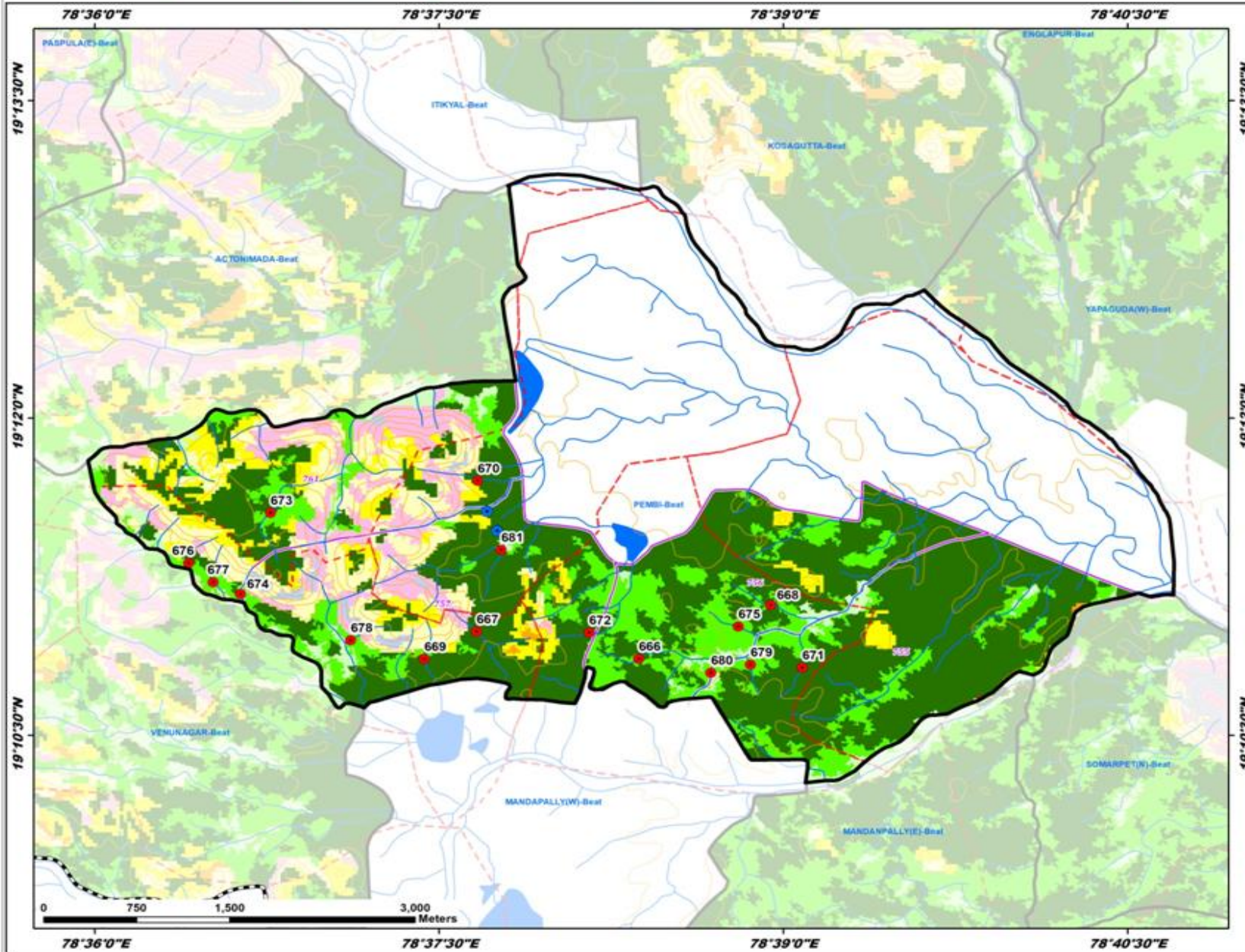


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
624	19.248579	78.554395	6.96	I
625	19.241393	78.554072	6.15	II
626	19.236438	78.562982	22.07	II
627	19.239875	78.541481	9.01	II
628	19.236090	78.569021	9.20	II
629	19.252061	78.556108	9.94	II
630	19.252902	78.558730	14.28	II
631	19.232935	78.575898	25.22	III
632	19.253011	78.552586	12.48	IV
633	19.242361	78.556749	14.52	IV
634	19.245148	78.545378	16.68	IV
635	19.236512	78.555304	8.86	IV
636	19.239958	78.566304	38.62	II

**LEGEND**

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

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



Division : Khanapur  
Range : Tandra

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
666	19.183037	78.639509	9.89	I
667	19.183274	78.627719	5.81	I
668	19.185275	78.649084	11.49	I
669	19.183020	78.623928	6.94	I
670	19.195063	78.627795	14.22	I
671	19.180938	78.651383	10.87	I
672	19.183100	78.635903	7.58	I
673	19.192525	78.612705	16.51	II
674	19.186346	78.630584	6.21	II
675	19.183574	78.646737	16.59	II
676	19.188579	78.606811	12.98	II
677	19.187066	78.608593	9.39	II
678	19.182511	78.618588	8.42	II
679	19.180567	78.647617	9.85	II
680	19.179932	78.644746	12.53	II
681	19.189627	78.629515	20.44	IV

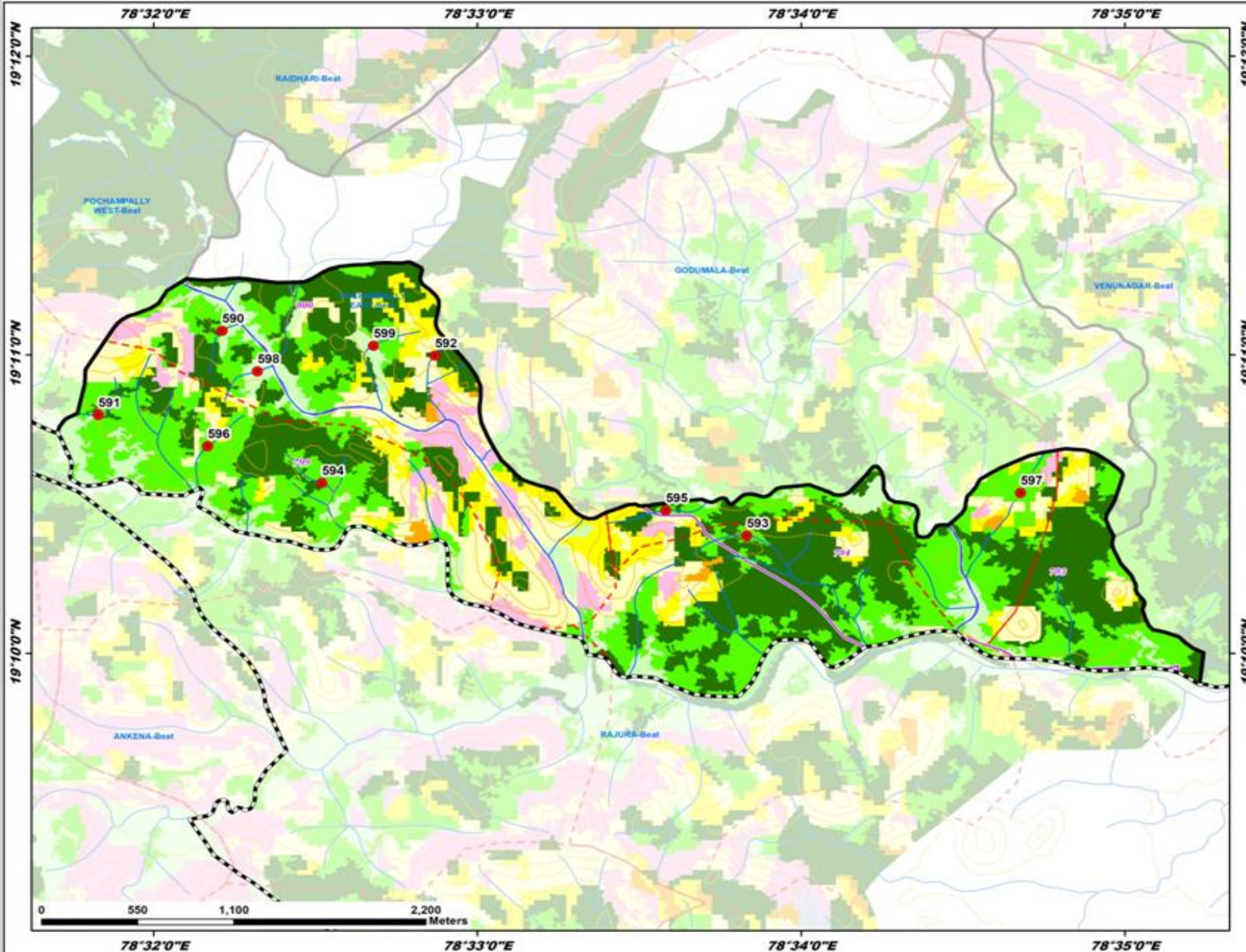
### LEGEND

- 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 Pochampally East Beat



Division : Khanapur  
Range : Tandra



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
590	19.184682	78.536854	13.21	I
591	19.179983	78.530488	6.57	I
592	19.183301	78.547826	5.66	I
593	19.173254	78.563878	7.41	II
594	19.176182	78.541998	14.24	II
595	19.174666	78.559714	10.51	II
596	19.178236	78.536125	7.86	II
597	19.175630	78.577973	10.53	II
598	19.182417	78.538680	5.43	IV
599	19.183843	78.544654	17.43	IV

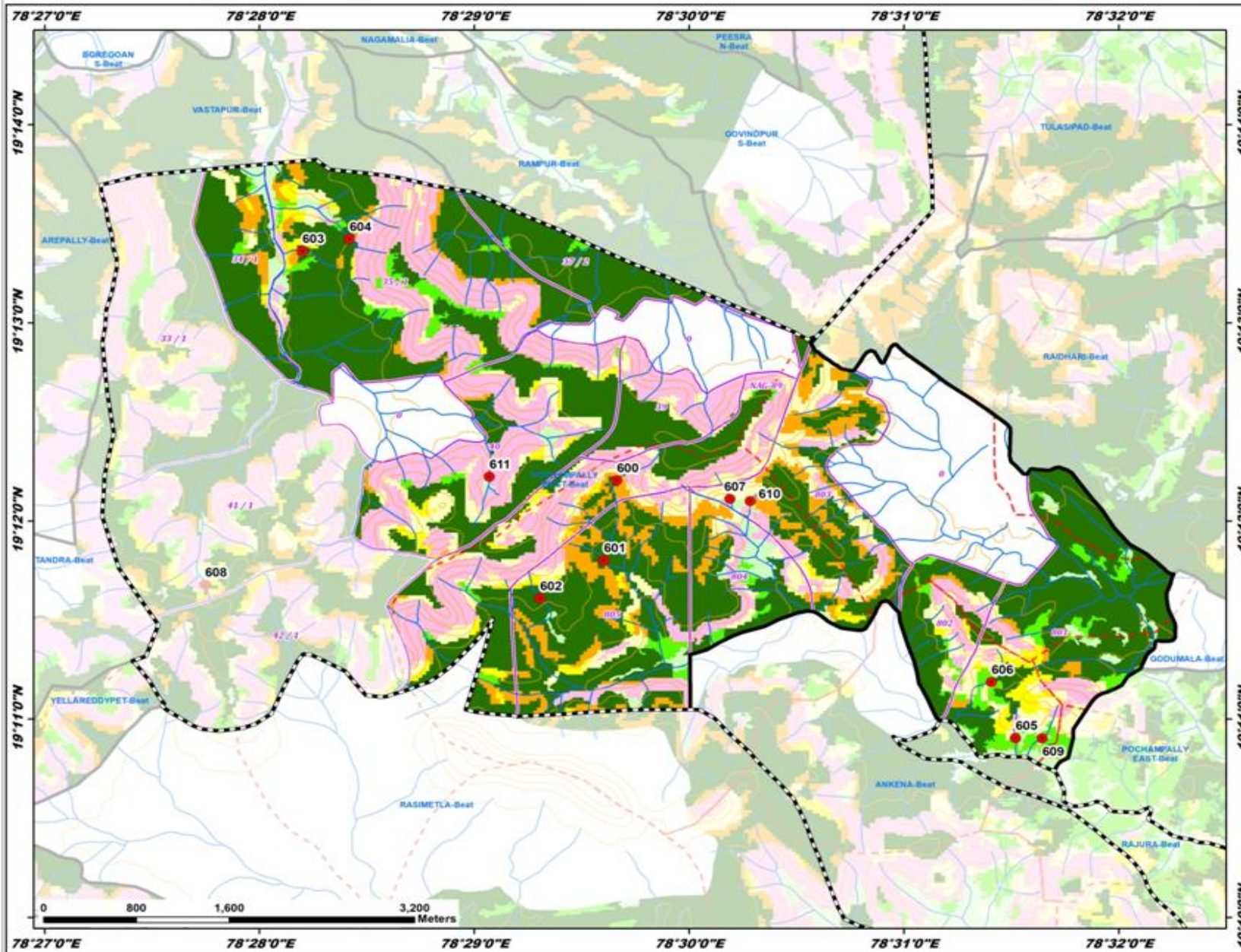
**LEGEND**

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

**Suitability Index**

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

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



Division : Khanapur  
Range : Tandra

ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
600	19.209431	78.494390	18.93	I
601	19.196711	78.493384	19.44	I
602	19.193497	78.488437	12.34	I
603	19.222703	78.469983	16.47	I
604	19.223716	78.473656	7.81	I
605	19.181754	78.525327	8.55	II
606	19.186460	78.523468	17.07	II
607	19.201862	78.503176	7.27	IV
608	19.194654	78.462457	9.05	IV
609	19.181728	78.527420	12.98	IV
610	19.201667	78.504759	16.94	IV
611	19.203740	78.484497	35.92	V

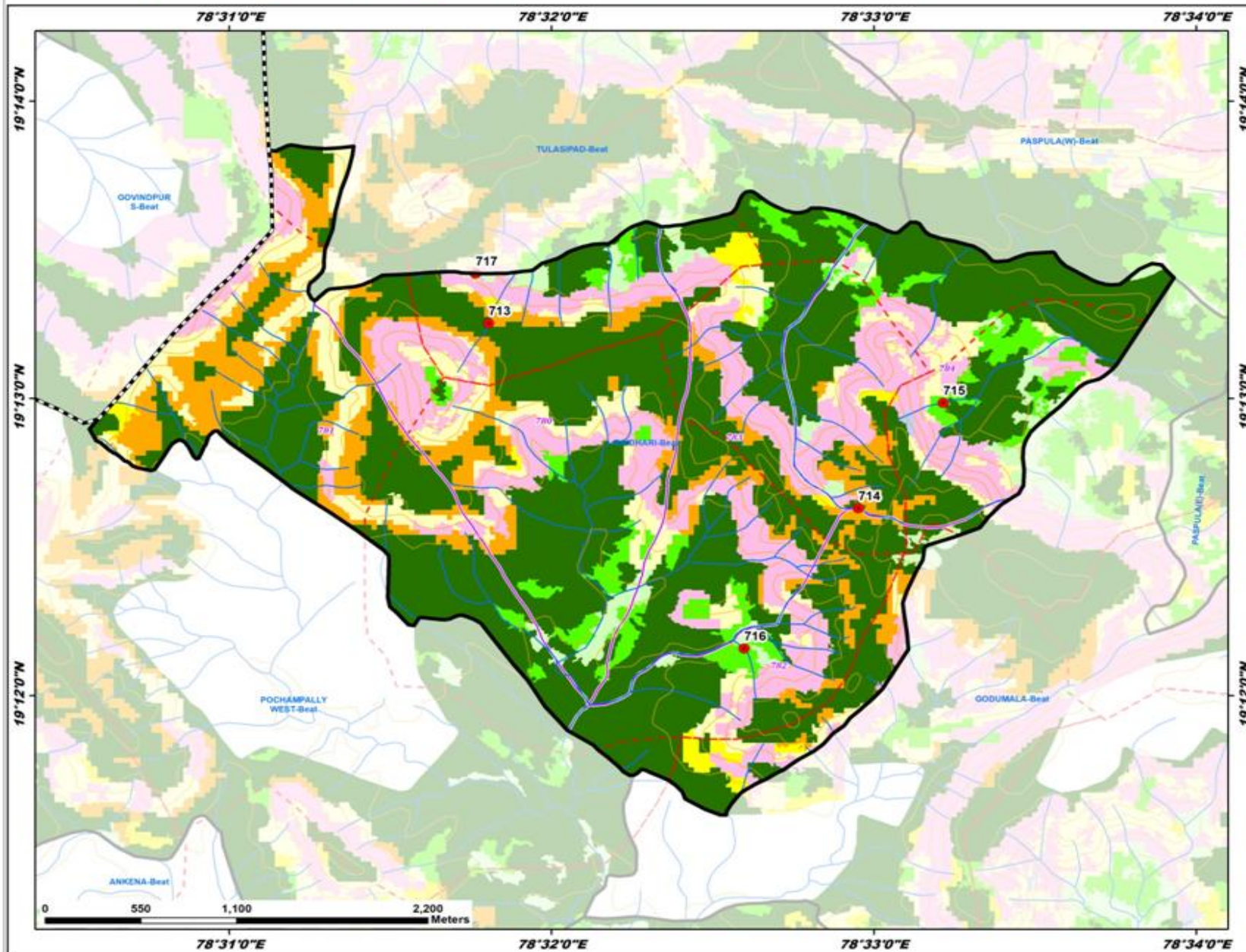
### LEGEND

- 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 Raidhari Beat



Division : Khanapur  
Range : Tandra



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
713	19.220892	78.530084	10.47	I
714	19.210517	78.549209	5.30	I
715	19.216423	78.553590	8.36	II
716	19.202654	78.543300	8.46	II
717	19.223681	78.529418	26.78	V

**LEGEND**

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

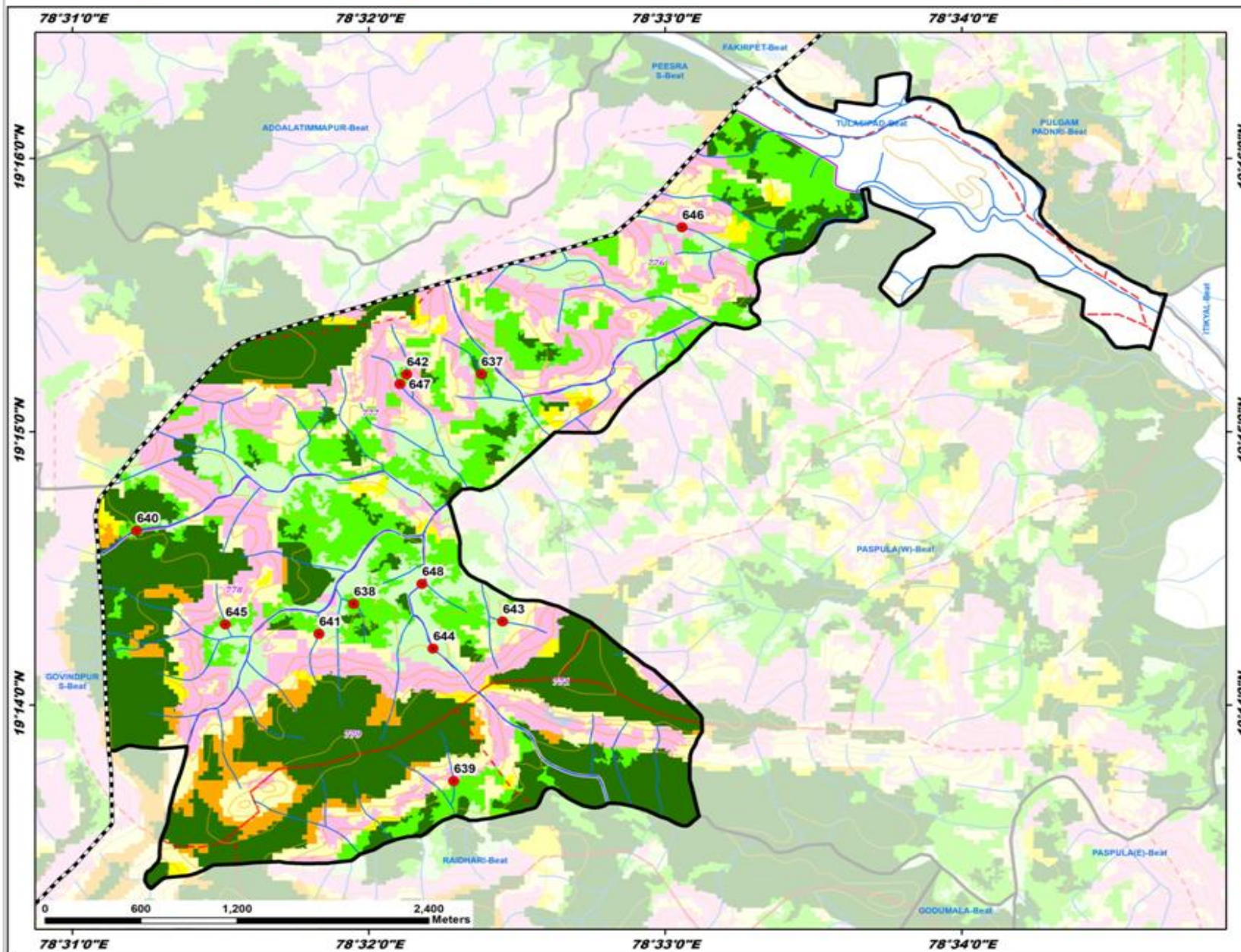
**Suitability Index**

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

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



Division : Khanapur  
Range : Tandra

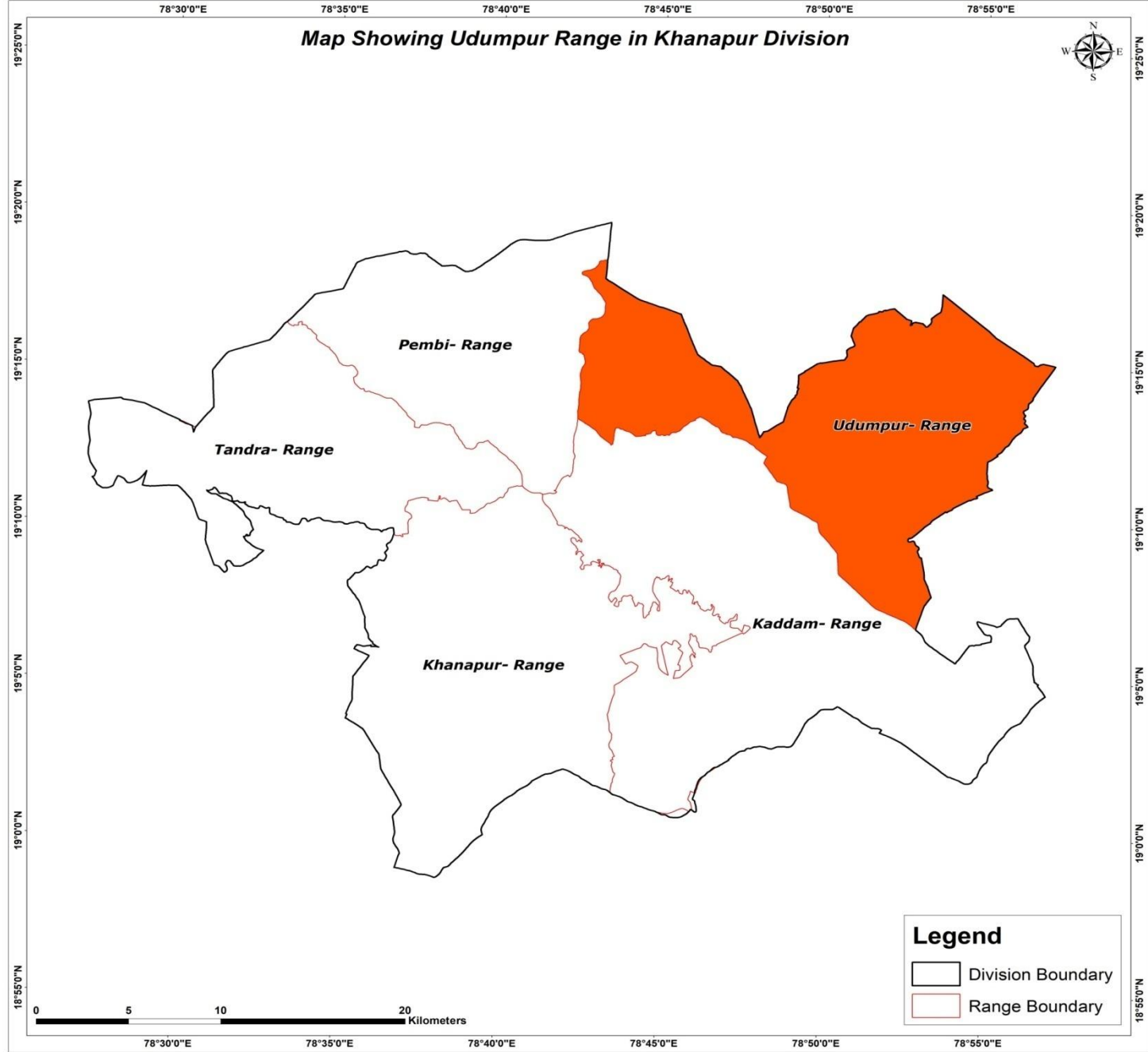


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
637	19.253525	78.539652	10.65	I
638	19.239503	78.532492	8.06	II
639	19.228730	78.538305	8.87	III
640	19.243967	78.520277	12.85	III
641	19.237672	78.530530	6.08	IV
642	19.253512	78.535461	12.26	IV
643	19.238434	78.540870	22.62	IV
644	19.236789	78.536944	17.15	IV
645	19.238264	78.525271	9.77	IV
646	19.262460	78.550954	11.22	IV
647	19.252917	78.535087	8.67	IV
648	19.240724	78.536331	53.35	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 Udumpur Range in Khanapur Division

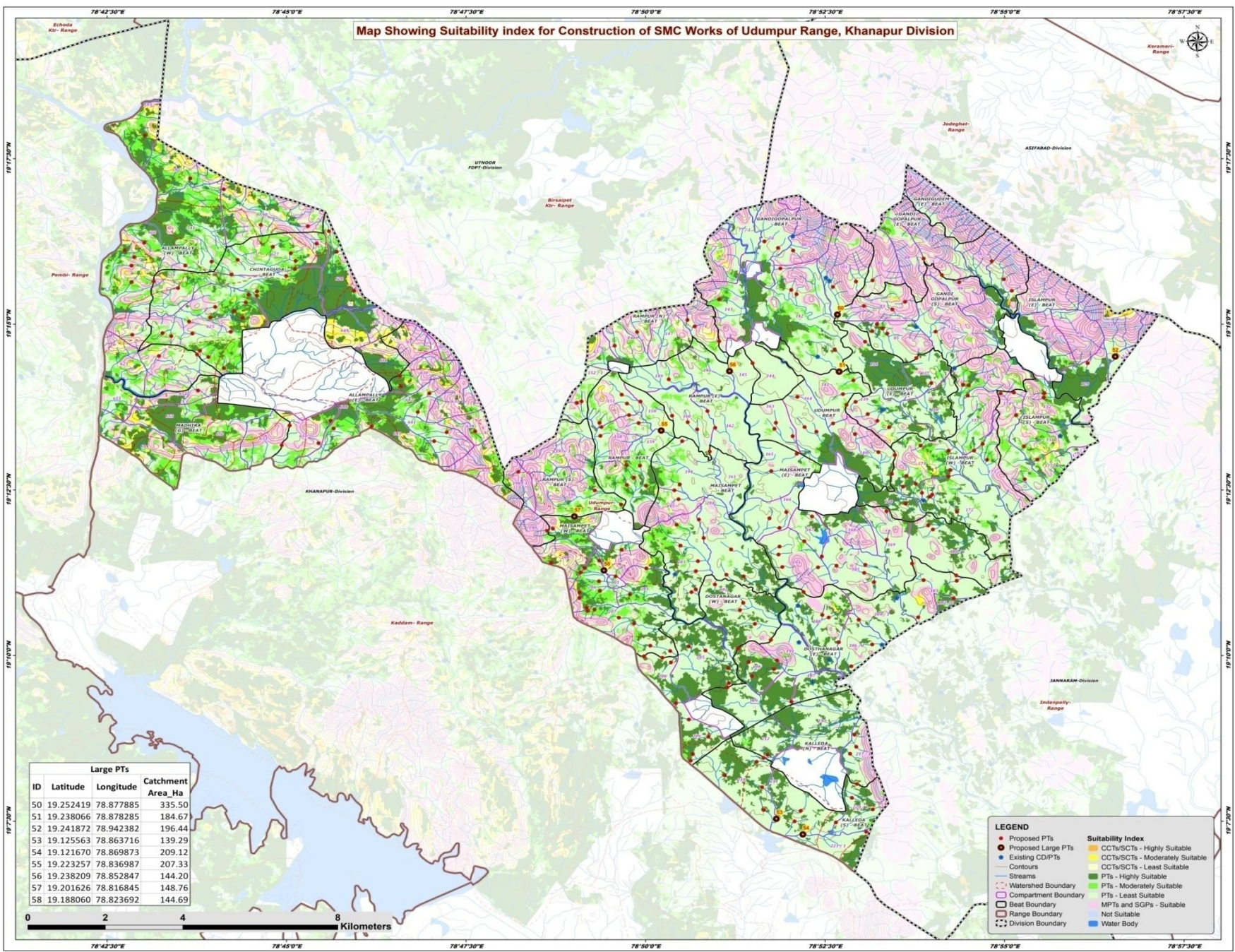


**Legend**

- Division Boundary
- Range Boundary

0 5 10 20 Kilometers

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



Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
50	19.252419	78.877885	335.50
51	19.238066	78.878285	184.67
52	19.241872	78.942382	196.44
53	19.125563	78.863716	139.29
54	19.121670	78.869873	209.12
55	19.223257	78.836987	207.33
56	19.238209	78.852847	144.20
57	19.201626	78.816845	148.76
58	19.188060	78.823692	144.69

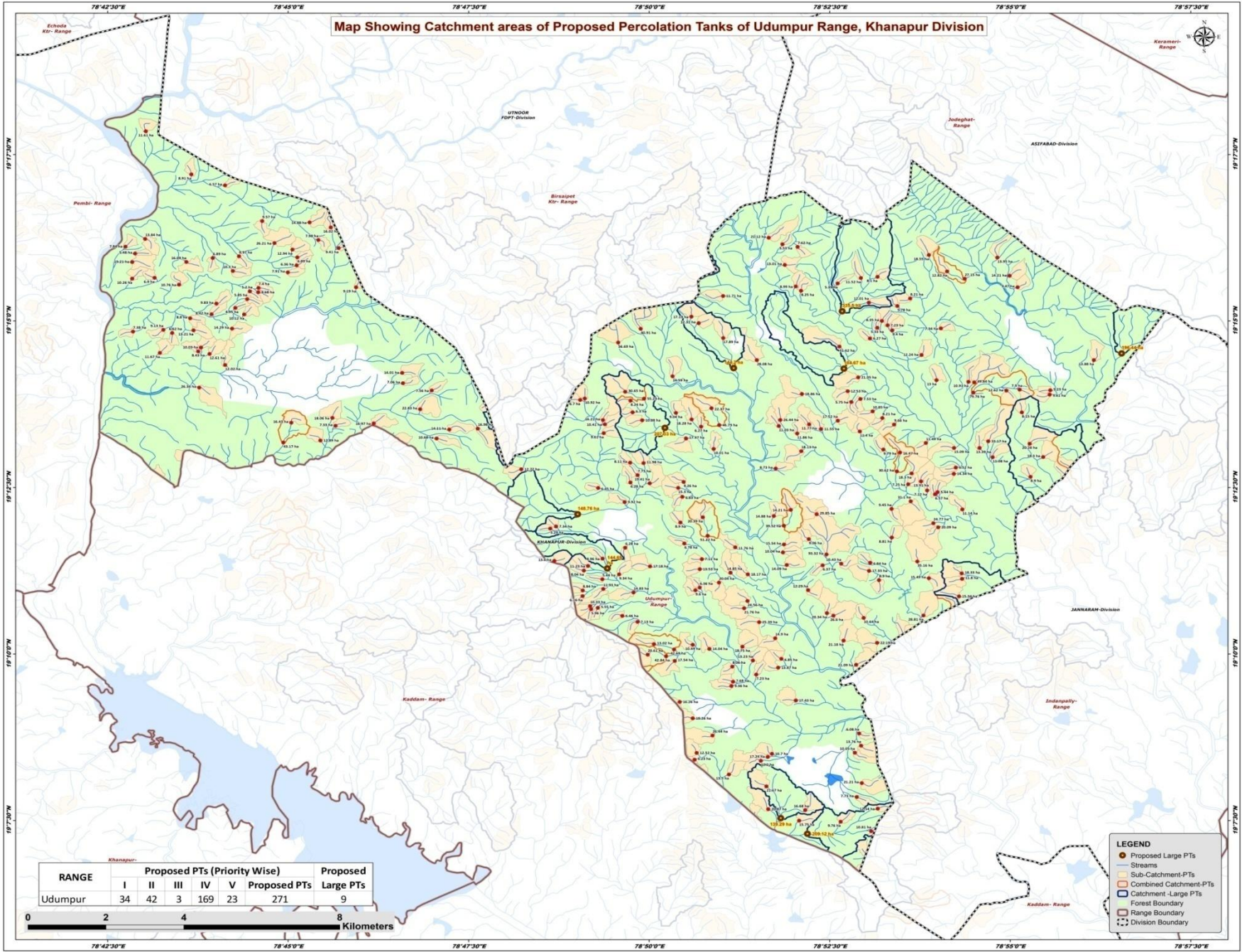
**LEGEND**

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

**Suitability Index**

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

### Map Showing Catchment areas of Proposed Percolation Tanks of Udampur Range, Khanapur Division



Khanapur							
RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs	
	I	II	III	IV	V	Proposed PTs	
Udampur	34	42	3	169	23	271	9

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

0 2 4 8 Kilometers

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

S. No.	Beat	Proposed PT's
1	ALLAMPALLY(E)	12
2	ALLAMPALLY(W)	15
3	CHINTAGUDA	29
4	DOSTANAGAR(W)	17
5	DOSTHANAGAR(E)	18
6	GANDI GOPALPUR(E)	6
7	GANDI GOPALPUR(S)	10
8	GANDIGOPALPUR	11
9	ISLAMPUR(E)	1
10	ISLAMPUR(S)	8
11	ISLAMPUR(W)	19
12	KALLEDA(N)	5
13	KALLEDA(S)	11
14	MADHIRA(G)	2
15	MAISAMPET	16
16	MAISAMPET(E)	22
17	MAISAMPET(W)	20
18	RAMPUR	13
19	RAMPUR(E)	7
20	RAMPUR(N)	6
21	RAMPUR(S)	4
22	UDUMPUR	13
23	UDUMPUR(E)	6
	<b>Total</b>	<b>271</b>

## List of Proposed PTs – Udumpur 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
718	19.234423	78.776524	7.06	I	ALLAMPALLY(E)	758	19.257188	78.743114	8.68	II	CHINTAGUDA	798	19.245726	78.850438	17.89	IV	GANDIGOPALPUR
719	19.236995	78.776329	14.01	II	ALLAMPALLY(E)	759	19.243338	78.729895	10.03	II	CHINTAGUDA	799	19.260753	78.882210	11.52	IV	GANDIGOPALPUR
720	19.223745	78.760948	7.33	II	ALLAMPALLY(E)	760	19.269487	78.746856	26.21	III	CHINTAGUDA	800	19.264030	78.864641	13.01	IV	GANDIGOPALPUR
721	19.225736	78.760215	18.06	II	ALLAMPALLY(E)	761	19.270263	78.756985	7.98	IV	CHINTAGUDA	801	19.259398	78.876843	5.39	IV	GANDIGOPALPUR
722	19.232605	78.783158	7.56	II	ALLAMPALLY(E)	762	19.258262	78.743165	7.40	IV	CHINTAGUDA	802	19.257555	78.868392	8.25	IV	GANDIGOPALPUR
723	19.223058	78.793790	16.98	II	ALLAMPALLY(E)	763	19.246992	78.723249	6.62	IV	CHINTAGUDA	803	19.240193	78.935988	13.88	IV	ISLAMPUR(E)
724	19.224360	78.769775	16.97	IV	ALLAMPALLY(E)	764	19.247769	78.721212	9.13	IV	CHINTAGUDA	804	19.232657	78.925927	5.23	I	ISLAMPUR(S)
725	19.222835	78.787203	14.11	IV	ALLAMPALLY(E)	765	19.273401	78.759844	16.02	IV	CHINTAGUDA	805	19.210986	78.921346	8.90	II	ISLAMPUR(S)
726	19.220585	78.784275	10.68	IV	ALLAMPALLY(E)	766	19.254338	78.733456	9.83	IV	CHINTAGUDA	806	19.227113	78.919347	8.15	II	ISLAMPUR(S)
727	19.220081	78.757457	12.89	IV	ALLAMPALLY(E)	767	19.265928	78.752127	6.89	IV	CHINTAGUDA	807	19.219268	78.921171	20.28	II	ISLAMPUR(S)
728	19.224531	78.750749	16.43	IV	ALLAMPALLY(E)	768	19.268221	78.761644	9.41	IV	CHINTAGUDA	808	19.231555	78.925784	9.61	II	ISLAMPUR(S)
729	19.227915	78.780493	22.83	IV	ALLAMPALLY(E)	769	19.247671	78.728167	13.21	IV	CHINTAGUDA	809	19.232802	78.918854	7.90	IV	ISLAMPUR(S)
730	19.268576	78.712444	7.84	I	ALLAMPALLY(W)	770	19.260793	78.719177	6.90	IV	CHINTAGUDA	810	19.215947	78.924283	18.30	IV	ISLAMPUR(S)
731	19.264733	78.714022	19.21	II	ALLAMPALLY(W)	771	19.259100	78.724837	10.76	IV	CHINTAGUDA	811	19.232585	78.915771	12.62	IV	ISLAMPUR(S)
732	19.270535	78.717015	13.84	II	ALLAMPALLY(W)	772	19.262165	78.749939	7.91	IV	CHINTAGUDA	812	19.202843	78.905643	11.14	I	ISLAMPUR(W)
733	19.266876	78.714693	5.48	II	ALLAMPALLY(W)	773	19.248093	78.737065	14.29	IV	CHINTAGUDA	813	19.219453	78.897222	11.49	II	ISLAMPUR(W)
734	19.286672	78.727657	8.91	II	ALLAMPALLY(W)	774	19.233329	78.729466	26.34	V	MADHIRA(G)	814	19.234758	78.907042	10.91	II	ISLAMPUR(W)
735	19.260586	78.714022	10.26	II	ALLAMPALLY(W)	775	19.219572	78.748904	43.17	V	MADHIRA(G)	815	19.219882	78.911593	33.17	II	ISLAMPUR(W)
736	19.297470	78.717152	11.61	II	ALLAMPALLY(W)	776	19.262406	78.902112	12.82	IV	GANDI GOPALPUR(E)	816	19.234615	78.908366	49.84	III	ISLAMPUR(W)
737	19.242004	78.720417	11.67	IV	ALLAMPALLY(W)	777	19.265852	78.913704	13.95	IV	GANDI GOPALPUR(E)	817	19.213309	78.904124	6.52	IV	ISLAMPUR(W)
738	19.275016	78.744019	9.57	IV	ALLAMPALLY(W)	778	19.258436	78.918362	9.47	IV	GANDI GOPALPUR(E)	818	19.211850	78.893908	18.30	IV	ISLAMPUR(W)
739	19.265748	78.732611	6.89	IV	ALLAMPALLY(W)	779	19.266506	78.897900	18.55	IV	GANDI GOPALPUR(E)	819	19.218200	78.909602	13.39	IV	ISLAMPUR(W)
740	19.264756	78.726523	16.09	IV	ALLAMPALLY(W)	780	19.261035	78.886036	8.10	IV	GANDI GOPALPUR(E)	820	19.206609	78.899320	6.57	IV	ISLAMPUR(W)
741	19.283930	78.735456	6.57	IV	ALLAMPALLY(W)	781	19.261317	78.916520	14.21	IV	GANDI GOPALPUR(E)	821	19.207582	78.897503	7.12	IV	ISLAMPUR(W)
742	19.247331	78.714213	7.38	IV	ALLAMPALLY(W)	782	19.249995	78.887067	8.35	I	GANDI GOPALPUR(S)	822	19.207164	78.899892	5.44	IV	ISLAMPUR(W)
743	19.274649	78.754951	14.88	IV	ALLAMPALLY(W)	783	19.248904	78.888348	7.23	I	GANDI GOPALPUR(S)	823	19.218224	78.903706	15.09	IV	ISLAMPUR(W)
744	19.242370	78.729271	8.43	IV	ALLAMPALLY(W)	784	19.248262	78.885994	5.33	I	GANDI GOPALPUR(S)	824	19.211745	78.903670	14.34	IV	ISLAMPUR(W)
745	19.258421	78.765698	9.19	I	CHINTAGUDA	785	19.255623	78.893574	8.21	IV	GANDI GOPALPUR(S)	825	19.215882	78.912625	11.08	IV	ISLAMPUR(W)
746	19.257417	78.741170	5.20	I	CHINTAGUDA	786	19.247657	78.889467	9.40	IV	GANDI GOPALPUR(S)	826	19.209112	78.893139	7.25	IV	ISLAMPUR(W)
747	19.251634	78.739877	10.12	I	CHINTAGUDA	787	19.254583	78.884040	12.01	IV	GANDI GOPALPUR(S)	827	19.209846	78.896081	13.91	IV	ISLAMPUR(W)
748	19.253260	78.737816	4.95	I	CHINTAGUDA	788	19.248151	78.900665	7.34	IV	GANDI GOPALPUR(S)	828	19.204857	78.893710	31.10	V	ISLAMPUR(W)
749	19.267849	78.751016	12.94	II	CHINTAGUDA	789	19.241468	78.896201	12.24	IV	GANDI GOPALPUR(S)	829	19.232063	78.908129	79.76	III	ISLAMPUR(W)
750	19.241736	78.731870	12.61	II	CHINTAGUDA	790	19.253733	78.890626	5.78	IV	GANDI GOPALPUR(S)	830	19.212341	78.890527	30.62	V	ISLAMPUR(W)
751	19.251672	78.732324	8.42	II	CHINTAGUDA	791	19.260549	78.906166	27.15	V	GANDI GOPALPUR(S)	831	19.154657	78.840388	16.26	I	DOSTANAGAR(W)
752	19.255463	78.740557	5.85	II	CHINTAGUDA	792	19.256253	78.850400	11.71	I	GANDIGOPALPUR	832	19.163511	78.852556	8.06	I	DOSTANAGAR(W)
753	19.262499	78.737251	10.30	II	CHINTAGUDA	793	19.243583	78.877241	31.62	II	GANDIGOPALPUR	833	19.141888	78.844313	12.52	I	DOSTANAGAR(W)
754	19.238973	78.735459	12.02	II	CHINTAGUDA	794	19.269181	78.864116	5.53	IV	GANDIGOPALPUR	834	19.168962	78.843394	10.49	I	DOSTANAGAR(W)
755	19.263918	78.751976	6.36	II	CHINTAGUDA	795	19.258640	78.867179	8.99	IV	GANDIGOPALPUR	835	19.140200	78.843840	6.23	I	DOSTANAGAR(W)
756	19.266169	78.738669	8.97	II	CHINTAGUDA	796	19.268518	78.867609	7.62	IV	GANDIGOPALPUR	836	19.158659	78.852324	9.36	IV	DOSTANAGAR(W)
757	19.250663	78.727407	8.80	II	CHINTAGUDA	797	19.270830	78.860949	21.12	IV	GANDIGOPALPUR	837	19.167929	78.847241	14.04	IV	DOSTANAGAR(W)

## List of Proposed PTs – Udumpur 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
838	19.150541	78.843414	18.26	IV	DOSTANAGAR(W)	878	19.124934	78.867950	15.75	IV	KALLEDA(S)	918	19.182612	78.844006	9.60	IV	MAISAMPET
839	19.159723	78.852691	7.68	IV	DOSTANAGAR(W)	879	19.122297	78.884568	10.81	IV	KALLEDA(S)	919	19.193355	78.853213	11.76	IV	MAISAMPET
840	19.179922	78.856032	24.56	IV	DOSTANAGAR(W)	880	19.127822	78.860845	20.87	IV	KALLEDA(S)	920	19.187881	78.845022	13.53	IV	MAISAMPET
841	19.164913	78.839251	17.54	IV	DOSTANAGAR(W)	881	19.127569	78.869349	16.68	IV	KALLEDA(S)	921	19.186987	78.852118	14.85	IV	MAISAMPET
842	19.184517	78.849441	20.04	IV	DOSTANAGAR(W)	882	19.214540	78.828966	8.11	I	RAMPUR	922	19.205985	78.841009	6.83	IV	MAISAMPET
843	19.166484	78.833007	20.61	IV	DOSTANAGAR(W)	883	19.209359	78.833453	19.41	II	RAMPUR	923	19.220574	78.841863	17.47	IV	MAISAMPET
844	19.178111	78.855253	21.76	IV	DOSTANAGAR(W)	884	19.209564	78.829012	6.28	II	RAMPUR	924	19.194293	78.841455	6.78	IV	MAISAMPET
845	19.146253	78.847952	26.44	V	DOSTANAGAR(W)	885	19.211413	78.830677	7.73	II	RAMPUR	925	19.186565	78.856110	18.17	IV	MAISAMPET
846	19.174623	78.858729	25.39	V	DOSTANAGAR(W)	886	19.225130	78.831731	10.88	IV	RAMPUR	926	19.183264	78.845002	6.36	IV	MAISAMPET
847	19.166085	78.837253	42.84	V	DOSTANAGAR(W)	887	19.227135	78.829514	6.30	IV	RAMPUR	927	19.196228	78.846831	51.22	V	MAISAMPET
848	19.163233	78.863131	13.87	I	DOSTHANAGAR(E)	888	19.214436	78.832062	11.98	IV	RAMPUR	928	19.199374	78.898939	24.77	I	MAISAMPET(E)
849	19.165436	78.863859	6.85	I	DOSTHANAGAR(E)	889	19.221906	78.822844	9.61	IV	RAMPUR	929	19.202727	78.866031	14.21	IV	MAISAMPET(E)
850	19.168474	78.854852	18.75	I	DOSTHANAGAR(E)	890	19.230036	78.829051	8.24	IV	RAMPUR	930	19.187471	78.884092	17.33	IV	MAISAMPET(E)
851	19.165009	78.857284	13.23	I	DOSTHANAGAR(E)	891	19.224129	78.823116	10.41	IV	RAMPUR	931	19.202956	78.889296	9.45	IV	MAISAMPET(E)
852	19.181071	78.904847	15.34	I	DOSTHANAGAR(E)	892	19.225181	78.822682	16.21	IV	RAMPUR	932	19.189495	78.884359	6.84	IV	MAISAMPET(E)
853	19.161510	78.858071	7.23	I	DOSTHANAGAR(E)	893	19.232283	78.827818	30.65	V	RAMPUR	933	19.188936	78.865095	14.09	IV	MAISAMPET(E)
854	19.169430	78.885965	22.19	IV	DOSTHANAGAR(E)	894	19.230548	78.832161	55.23	V	RAMPUR	934	19.201179	78.862099	14.88	IV	MAISAMPET(E)
855	19.163947	78.881102	21.09	IV	DOSTHANAGAR(E)	895	19.226979	78.839518	9.04	IV	RAMPUR(E)	935	19.194063	78.864452	15.54	IV	MAISAMPET(E)
856	19.176879	78.874383	20.34	IV	DOSTHANAGAR(E)	896	19.225349	78.843141	18.28	IV	RAMPUR(E)	936	19.189243	78.877686	10.43	IV	MAISAMPET(E)
857	19.155012	78.867208	17.43	IV	DOSTHANAGAR(E)	897	19.223533	78.845316	6.27	IV	RAMPUR(E)	937	19.192071	78.864229	10.04	IV	MAISAMPET(E)
858	19.185630	78.897906	15.49	IV	DOSTHANAGAR(E)	898	19.228163	78.847729	22.37	IV	RAMPUR(E)	938	19.195388	78.870187	9.06	IV	MAISAMPET(E)
859	19.182621	78.870037	12.29	IV	DOSTHANAGAR(E)	899	19.236141	78.838739	14.59	IV	RAMPUR(E)	939	19.186816	78.905468	18.33	IV	MAISAMPET(E)
860	19.170595	78.862435	14.90	IV	DOSTHANAGAR(E)	900	19.240207	78.858197	28.08	V	RAMPUR(E)	940	19.217417	78.868442	18.13	IV	MAISAMPET(E)
861	19.170000	78.878204	21.18	IV	DOSTHANAGAR(E)	901	19.223936	78.849513	46.73	V	RAMPUR(E)	941	19.195796	78.889347	8.81	IV	MAISAMPET(E)
862	19.185449	78.905587	11.80	IV	DOSTHANAGAR(E)	902	19.251081	78.843091	17.19	IV	RAMPUR(N)	942	19.198367	78.900065	20.09	IV	MAISAMPET(E)
863	19.175690	78.882857	10.64	IV	DOSTHANAGAR(E)	903	19.230587	78.818481	10.92	IV	RAMPUR(N)	943	19.213067	78.862540	8.73	IV	MAISAMPET(E)
864	19.176289	78.896650	28.81	V	DOSTHANAGAR(E)	904	19.249445	78.844769	12.31	IV	RAMPUR(N)	944	19.185130	78.886394	8.90	IV	MAISAMPET(E)
865	19.176231	78.875869	26.60	V	DOSTHANAGAR(E)	905	19.230224	78.817424	6.70	IV	RAMPUR(N)	945	19.188847	78.873373	6.37	IV	MAISAMPET(E)
866	19.146754	78.881809	6.08	I	KALLEDA(N)	906	19.248030	78.831391	40.91	V	RAMPUR(N)	946	19.189808	78.895249	35.16	V	MAISAMPET(E)
867	19.141662	78.861691	10.70	I	KALLEDA(N)	907	19.244597	78.826183	56.69	V	RAMPUR(N)	947	19.191558	78.874250	93.32	V	MAISAMPET(E)
868	19.134351	78.882416	21.21	IV	KALLEDA(N)	908	19.204683	78.827680	9.92	II	RAMPUR(S)	948	19.201641	78.871996	29.85	V	MAISAMPET(E)
869	19.143696	78.882250	13.76	IV	KALLEDA(N)	909	19.198033	78.810519	5.29	II	RAMPUR(S)	949	19.198753	78.864419	39.52	V	MAISAMPET(E)
870	19.141952	78.880809	10.05	IV	KALLEDA(N)	910	19.212877	78.803832	12.77	IV	RAMPUR(S)	950	19.181151	78.817975	6.16	I	MAISAMPET(W)
871	19.136515	78.851739	13.50	I	KALLEDA(S)	911	19.208200	78.821566	6.45	IV	RAMPUR(S)	951	19.190515	78.822577	8.96	I	MAISAMPET(W)
872	19.124683	78.877551	9.76	IV	KALLEDA(S)	912	19.199555	78.840558	8.90	II	MAISAMPET	952	19.177868	78.819949	5.96	I	MAISAMPET(W)
873	19.139925	78.859119	10.20	IV	KALLEDA(S)	913	19.209714	78.841288	9.26	II	MAISAMPET	953	19.182548	78.818005	8.84	I	MAISAMPET(W)
874	19.130853	78.881240	7.73	IV	KALLEDA(S)	914	19.190398	78.845495	7.11	IV	MAISAMPET	954	19.188690	78.819234	11.23	I	MAISAMPET(W)
875	19.127961	78.886084	12.54	IV	KALLEDA(S)	915	19.217976	78.848222	10.01	IV	MAISAMPET	955	19.178639	78.819699	10.33	I	MAISAMPET(W)
876	19.133515	78.860406	21.67	IV	KALLEDA(S)	916	19.200857	78.845709	20.39	IV	MAISAMPET	956	19.187537	78.818263	8.04	II	MAISAMPET(W)
877	19.140902	78.860724	17.24	IV	KALLEDA(S)	917	19.208224	78.840055	15.30	IV	MAISAMPET	957	19.182918	78.822755	11.93	II	MAISAMPET(W)

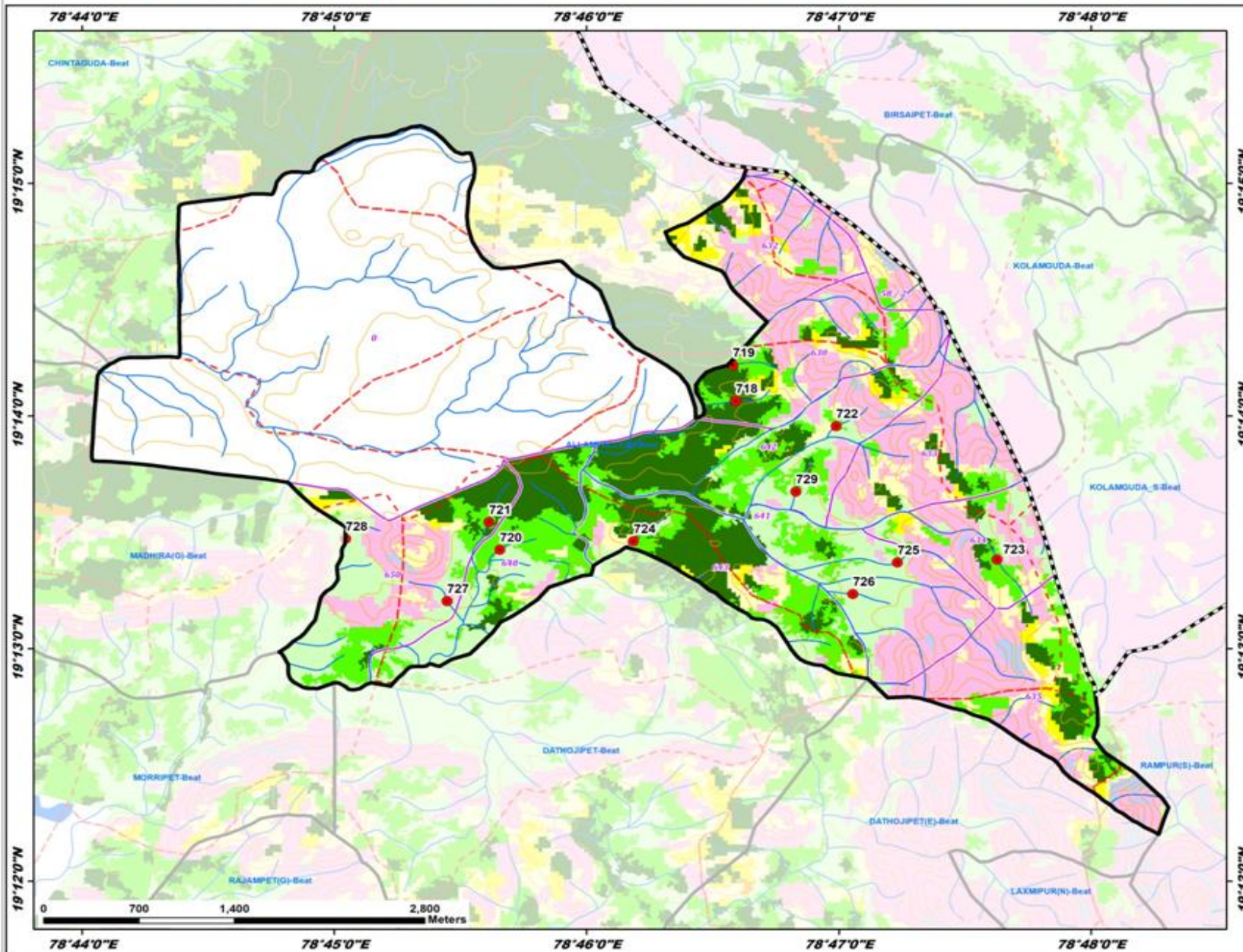
## List of Proposed PTs – Udumpur Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
958	19.193234	78.827814	6.28	II	MAISAMPET(W)
959	19.189961	78.811456	13.60	II	MAISAMPET(W)
960	19.178219	78.821492	5.55	II	MAISAMPET(W)
961	19.188583	78.833550	17.18	IV	MAISAMPET(W)
962	19.169119	78.834447	13.02	IV	MAISAMPET(W)
963	19.176174	78.827144	6.46	IV	MAISAMPET(W)
964	19.186585	78.826395	9.34	IV	MAISAMPET(W)
965	19.198570	78.811857	7.34	IV	MAISAMPET(W)
966	19.182036	78.829726	14.83	IV	MAISAMPET(W)
967	19.185353	78.822541	5.44	IV	MAISAMPET(W)
968	19.174686	78.830670	7.13	IV	MAISAMPET(W)
969	19.167801	78.839089	42.69	V	MAISAMPET(W)
970	19.223696	78.863252	11.03	IV	UDUMPUR
971	19.229727	78.879984	5.75	IV	UDUMPUR
972	19.222348	78.881970	11.40	IV	UDUMPUR
973	19.217817	78.887399	9.79	IV	UDUMPUR
974	19.232415	78.879175	12.53	IV	UDUMPUR
975	19.217073	78.891230	16.47	IV	UDUMPUR
976	19.235876	78.881602	21.05	IV	UDUMPUR
977	19.231719	78.868596	18.86	IV	UDUMPUR
978	19.222946	78.873006	11.55	IV	UDUMPUR
979	19.224129	78.870265	11.77	IV	UDUMPUR
980	19.225047	78.876887	17.52	IV	UDUMPUR
981	19.221829	78.867505	11.86	IV	UDUMPUR
982	19.225222	78.863597	26.44	V	UDUMPUR
983	19.230467	78.882086	7.53	IV	UDUMPUR(E)
984	19.224081	78.889874	9.66	IV	UDUMPUR(E)
985	19.227370	78.884926	10.85	IV	UDUMPUR(E)
986	19.245618	78.884307	6.27	IV	UDUMPUR(E)
987	19.225692	78.887160	8.21	IV	UDUMPUR(E)
988	19.235192	78.899652	13.00	IV	UDUMPUR(E)

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



Division : Khanapur  
Range : Udumpur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
718	19.234423	78.776524	7.06	I
719	19.236995	78.776329	14.01	II
720	19.223745	78.760948	7.33	II
721	19.225736	78.760215	18.06	II
722	19.232605	78.783158	7.56	II
723	19.223058	78.793790	16.98	II
724	19.224360	78.789775	16.97	IV
725	19.222835	78.787203	14.11	IV
726	19.220585	78.784275	10.68	IV
727	19.220081	78.757457	12.89	IV
728	19.224531	78.750749	16.43	IV
729	19.227915	78.780493	22.83	IV

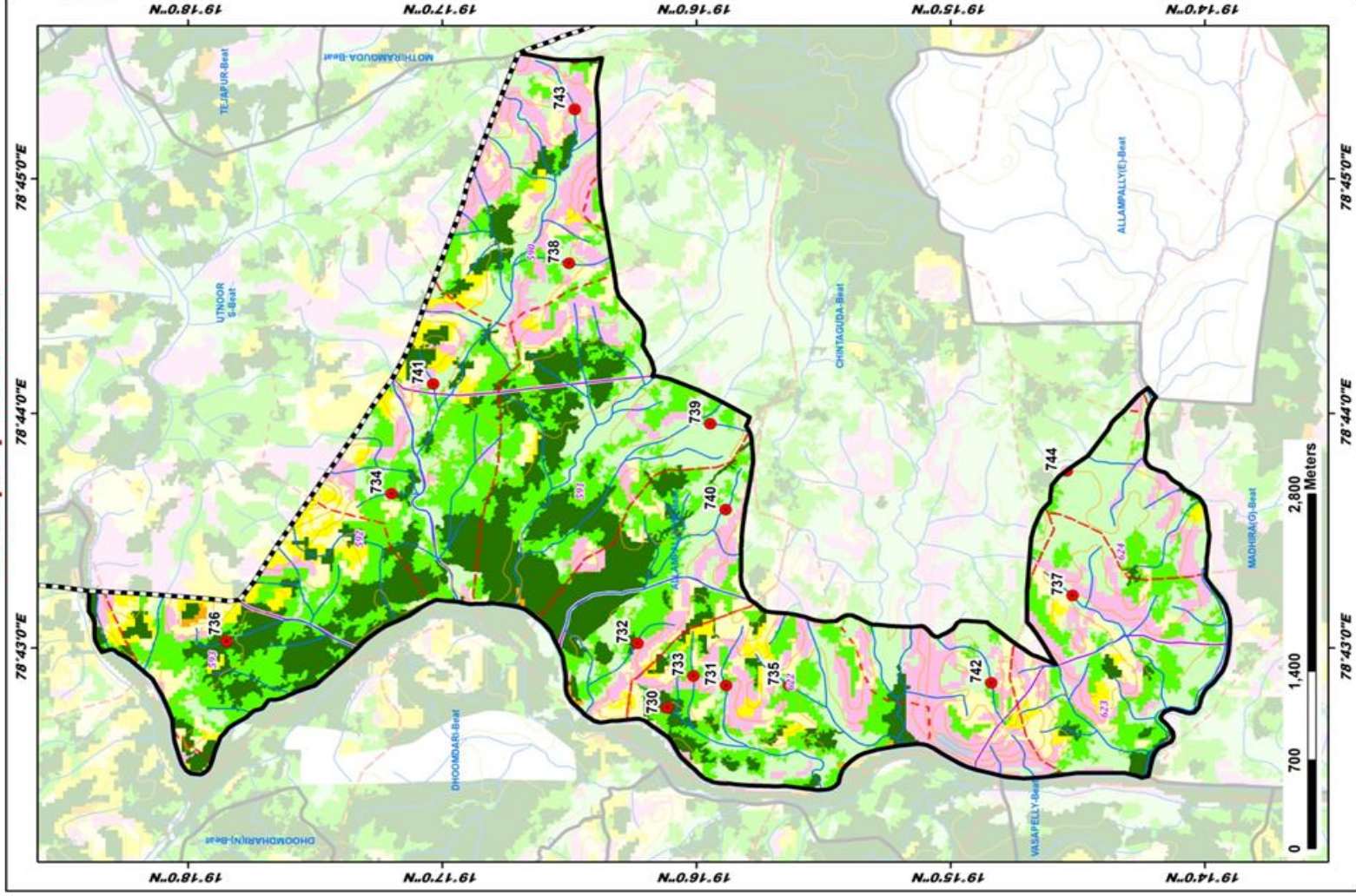
### LEGEND

- 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 Allampally West Beat



Division : Khanapur  
Range : Udumampur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
730	19.268576	78.712444	7.84	I
731	19.264733	78.714022	19.21	II
732	19.270535	78.717015	13.84	II
733	19.266876	78.714693	5.48	II
734	19.266672	78.727657	8.91	II
735	19.260586	78.714022	10.36	II
736	19.297470	78.717152	11.61	II
737	19.242004	78.720417	11.67	IV
738	19.275016	78.744019	9.57	IV
739	19.265748	78.732611	6.89	IV
740	19.264756	78.725523	16.09	IV
741	19.283930	78.735456	6.57	IV
742	19.247331	78.714213	7.38	IV
743	19.274649	78.754951	14.88	IV
744	19.242370	78.729271	8.43	IV

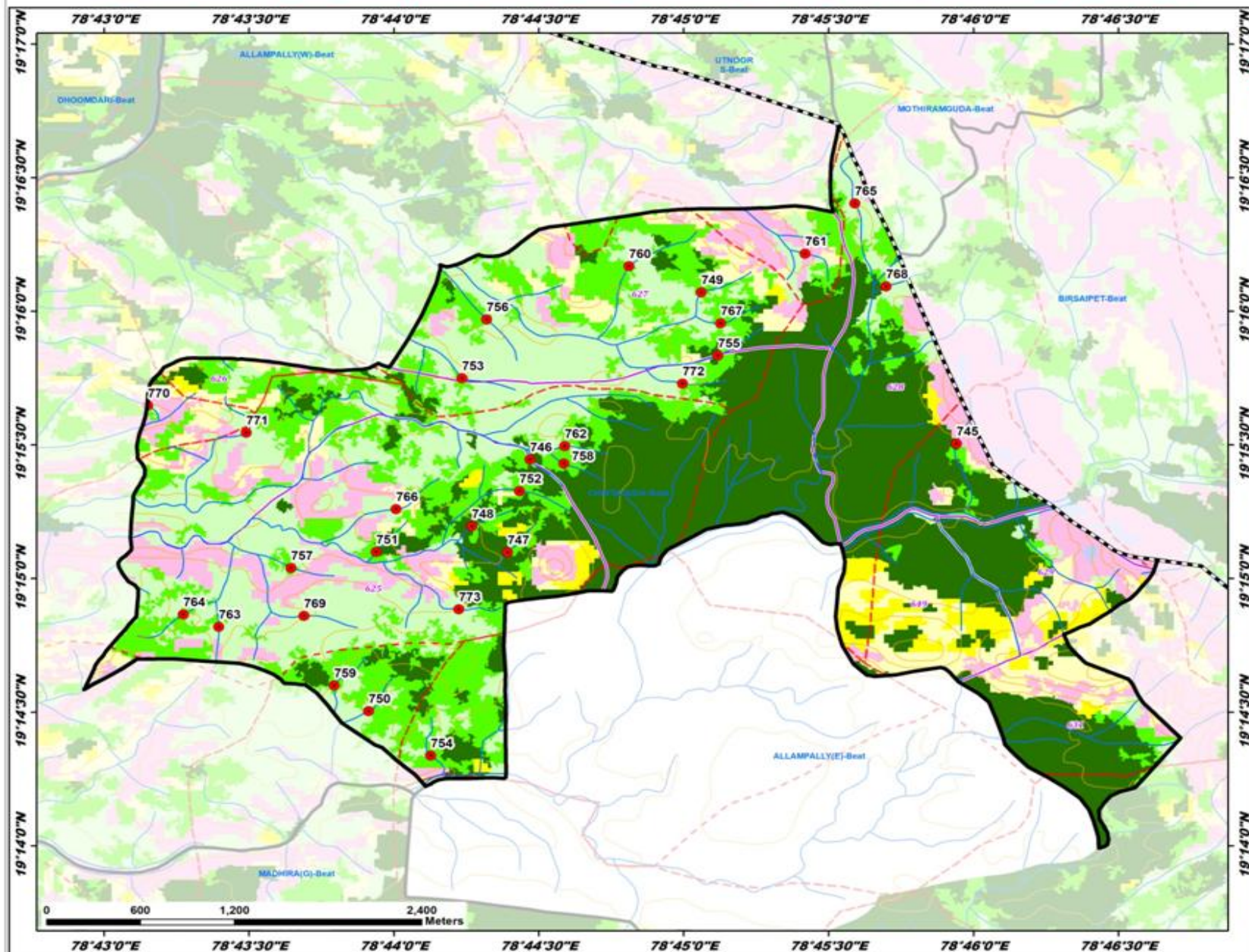
**LEGEND**

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Udumapur



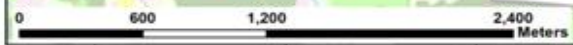
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
745	19.250421	78.765686	9.19	I
746	19.257417	78.741170	5.20	I
747	19.251634	78.739877	10.12	I
748	19.253260	78.737816	4.95	I
749	19.267849	78.751016	12.94	II
750	19.241736	78.731870	12.61	II
751	19.251672	78.732324	8.42	II
752	19.255463	78.740557	5.85	II
753	19.262499	78.737251	10.30	II
754	19.238973	78.735459	12.02	II
755	19.263918	78.751976	6.36	II
756	19.266169	78.730669	8.97	II
757	19.250663	78.727407	8.80	II
758	19.257188	78.743114	8.68	II
759	19.243338	78.729895	10.03	II
760	19.269487	78.746856	26.21	III
761	19.270263	78.756985	7.98	IV
762	19.258262	78.743165	7.40	IV
763	19.246992	78.723249	6.62	IV
764	19.247769	78.721212	9.13	IV
765	19.273401	78.739844	16.02	IV
766	19.254338	78.733456	9.83	IV
767	19.265928	78.732127	6.89	IV
768	19.268221	78.761644	9.41	IV
769	19.247671	78.728167	13.21	IV
770	19.260793	78.719177	6.90	IV
771	19.259100	78.724837	10.76	IV
772	19.262165	78.749939	7.91	IV
773	19.248093	78.737065	14.29	IV

**LEGEND**

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

**Suitability Index**

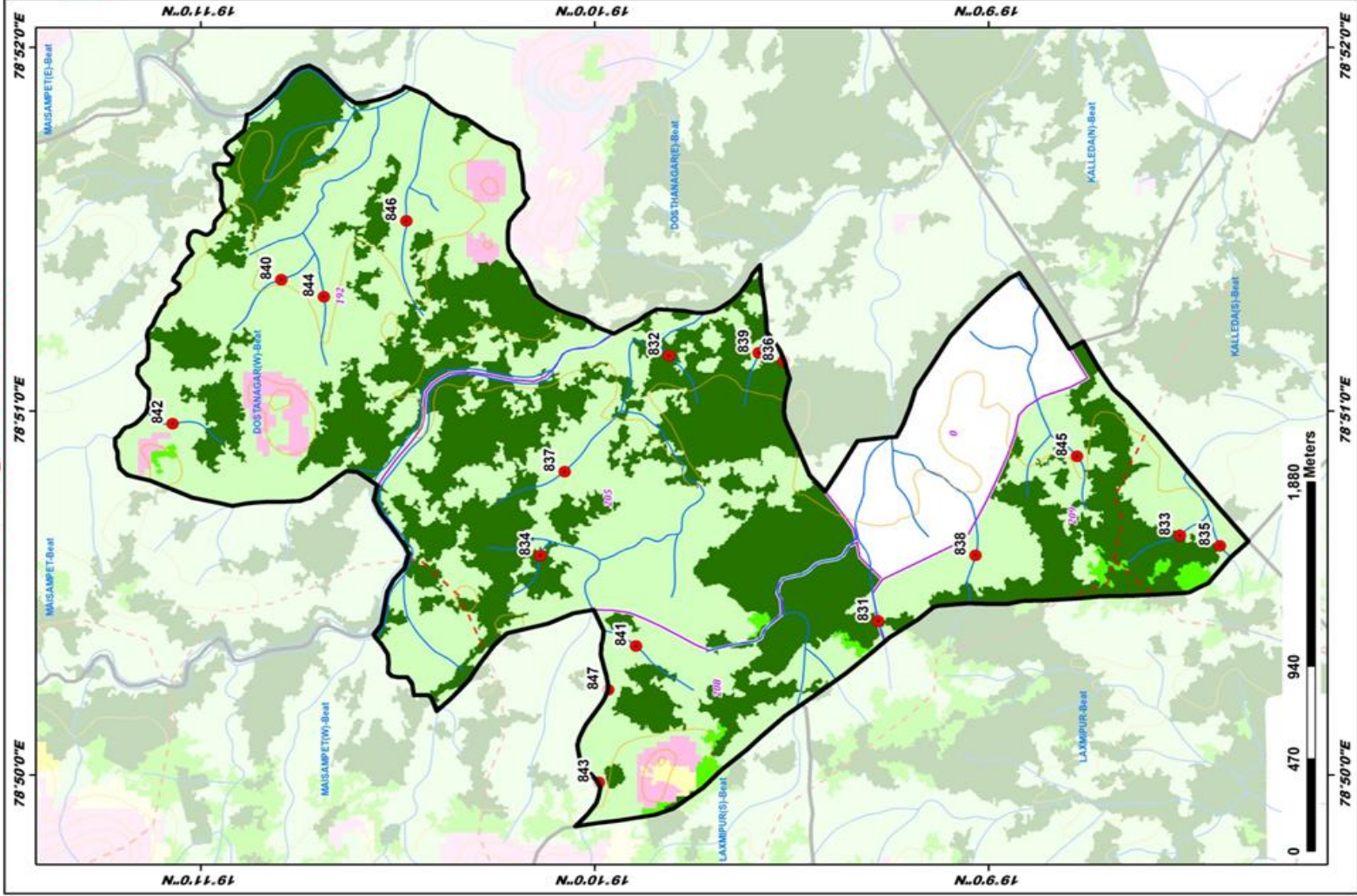
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Khanapur  
Range : Udumampur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
831	19.154657	78.840388	16.26	I
832	19.163511	78.852556	8.06	I
833	19.141888	78.844813	12.52	I
834	19.168962	78.843394	10.49	I
835	19.140200	78.843840	6.23	I
836	19.158659	78.852324	9.36	IV
837	19.167929	78.847241	14.04	IV
838	19.150641	78.849414	18.26	IV
839	19.159723	78.852691	7.68	IV
840	19.179922	78.856032	24.56	IV
841	19.164913	78.839251	17.54	IV
842	19.134517	78.849441	20.04	IV
843	19.166484	78.833007	20.61	IV
844	19.171811	78.855253	21.76	IV
845	19.148253	78.847952	26.44	V
846	19.174623	78.858729	25.39	V
847	19.166065	78.837253	42.84	V

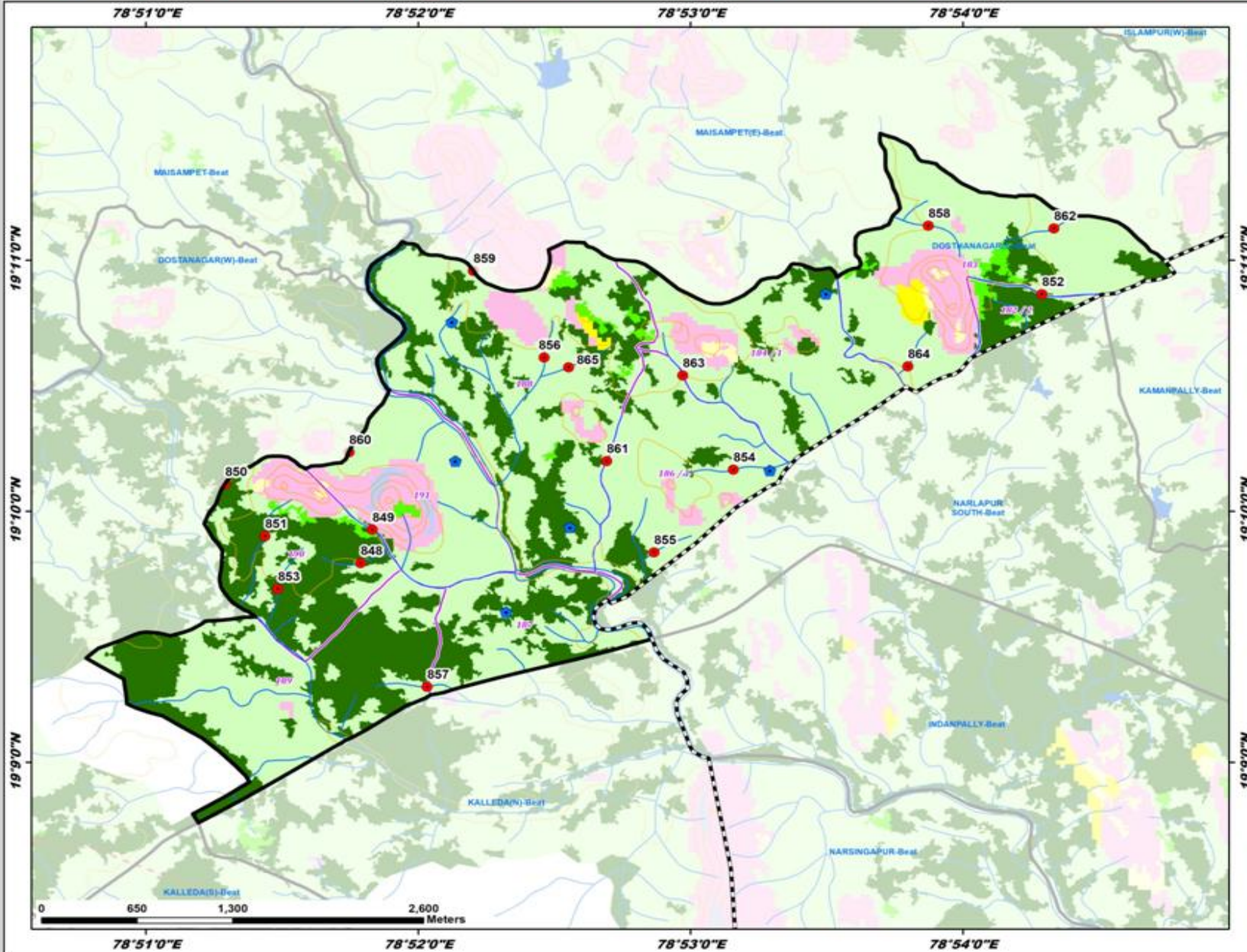
**LEGEND**

- Proposed PTs (Red dot)
- Existing CD/PTs (Blue dot)
- Contours (Orange line)
- Streams (Blue line)
- Watershed Boundary (Dashed red line)
- Compartment Boundary (Dashed purple line)
- Beat Boundary (Thick black line)
- Division Boundary (Thin black line)
- CCTs/SCTs - Highly Suitable (Dark green)
- CCTs/SCTs - Moderately Suitable (Light green)
- CCTs/SCTs - Least Suitable (Yellow-green)
- PTs - Highly Suitable (Dark green)
- PTs - Moderately Suitable (Light green)
- PTs - Least Suitable (Yellow-green)
- MPTs and SGPs - Suitable (Pink)
- Not Suitable (Light blue)
- Water Body (Blue)

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



Division : Khanapur  
Range : Udumapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
848	19.163233	78.863131	13.87	I
849	19.165436	78.863859	6.85	I
850	19.168474	78.854852	18.75	I
851	19.165009	78.857284	13.23	I
852	19.181071	78.904847	15.34	I
853	19.161510	78.858071	7.23	I
854	19.169430	78.885965	22.19	IV
855	19.163947	78.881102	21.09	IV
856	19.176879	78.874383	20.34	IV
857	19.155012	78.867208	17.43	IV
858	19.185630	78.897906	15.49	IV
859	19.182621	78.870037	12.29	IV
860	19.170595	78.862435	14.90	IV
861	19.170000	78.878204	21.18	IV
862	19.185448	78.905587	11.80	IV
863	19.175690	78.882857	10.64	IV
864	19.176289	78.896650	28.81	V
865	19.176231	78.875989	26.60	V

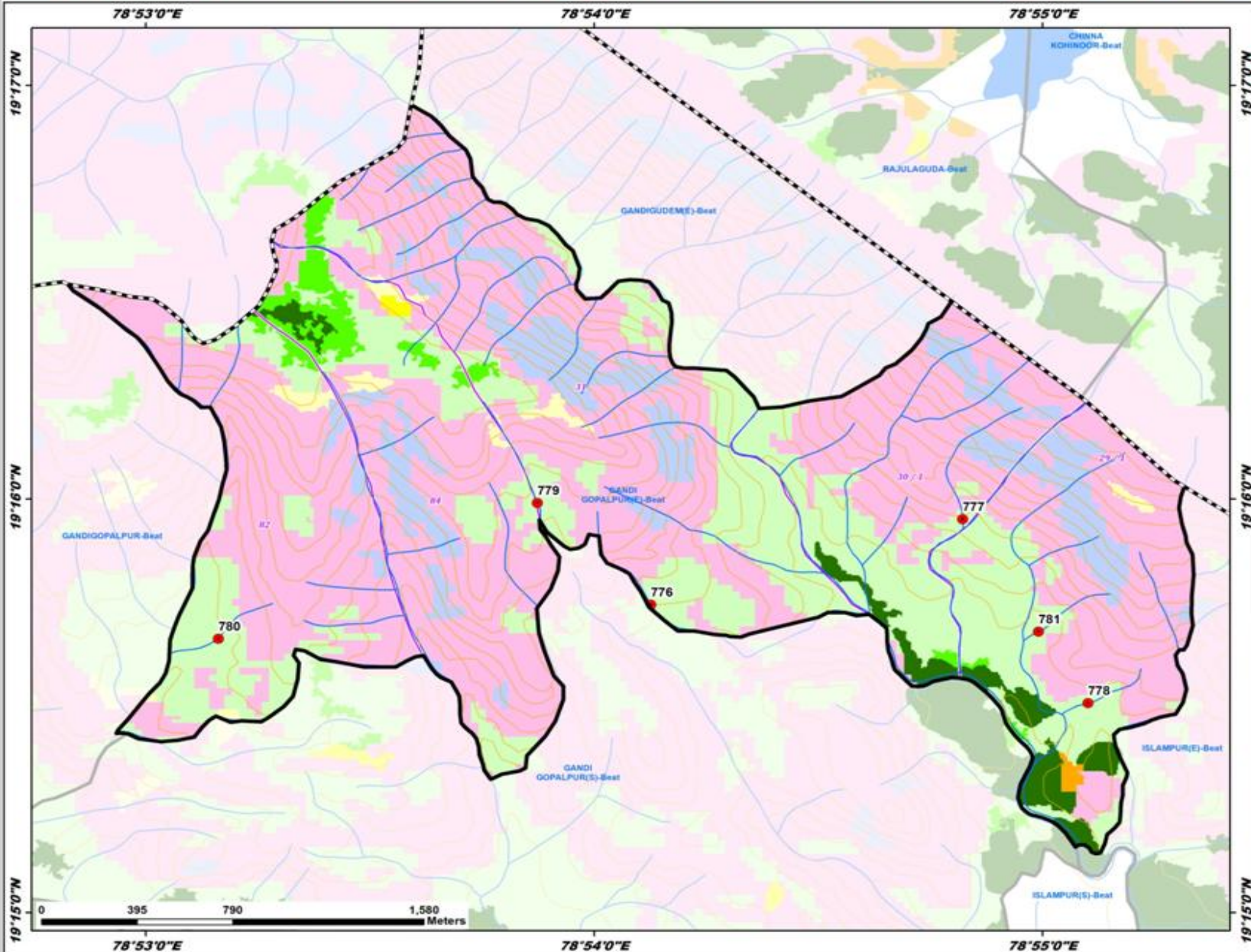
### LEGEND

- 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 Gandhi Gopalpur East Beat



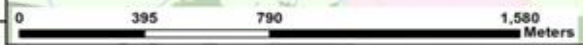
Division : Khanapur  
Range : Udumapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
776	19.262406	78.902112	12.82	IV
777	19.265852	78.913704	13.95	IV
778	19.258436	78.918362	9.47	IV
779	19.266506	78.897900	18.55	IV
780	19.261035	78.886036	8.10	IV
781	19.261317	78.916520	14.21	IV

**LEGEND**

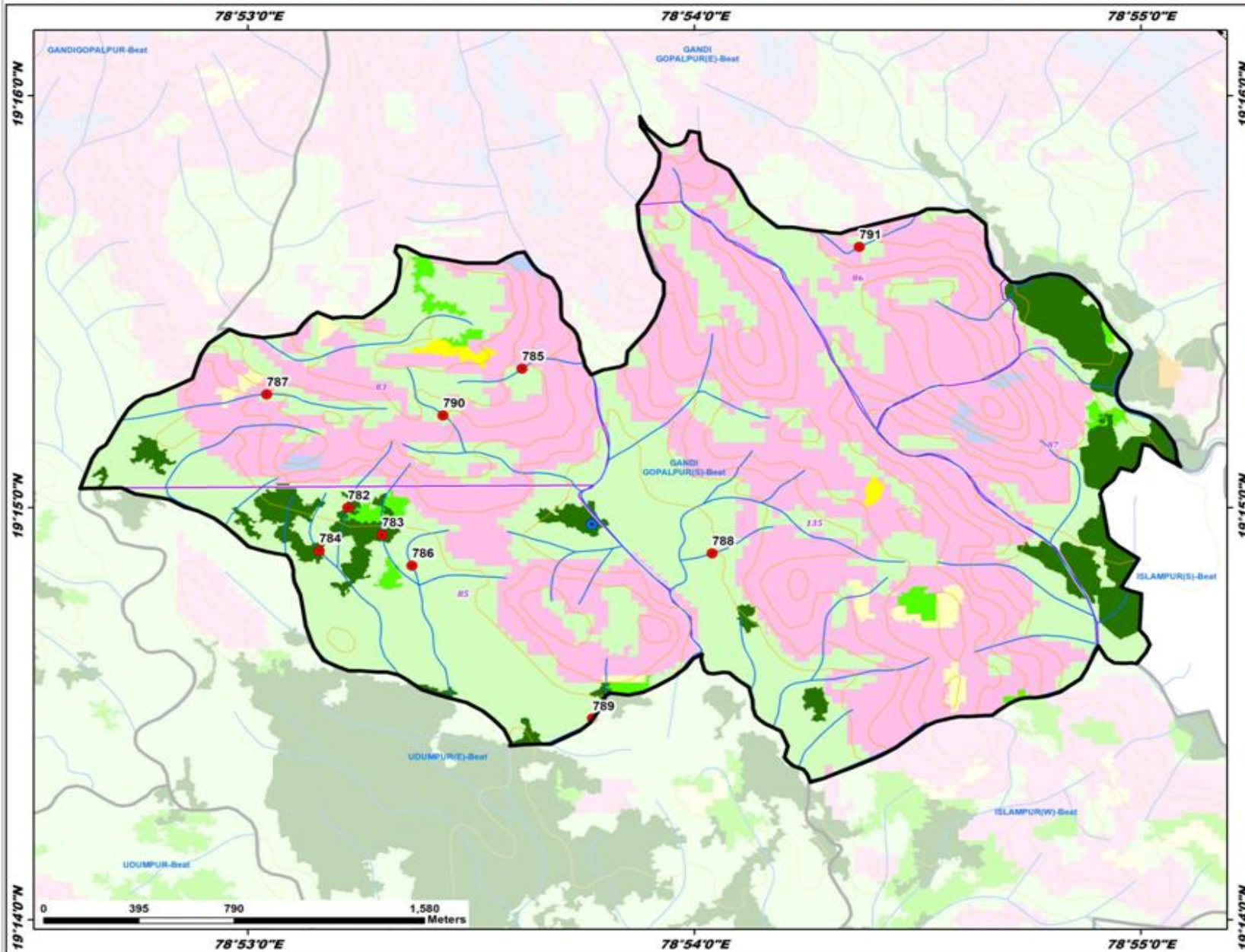
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- ▭ Watershed Boundary
- ▭ Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable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



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



Division : Khanapur  
Range : Udumpur



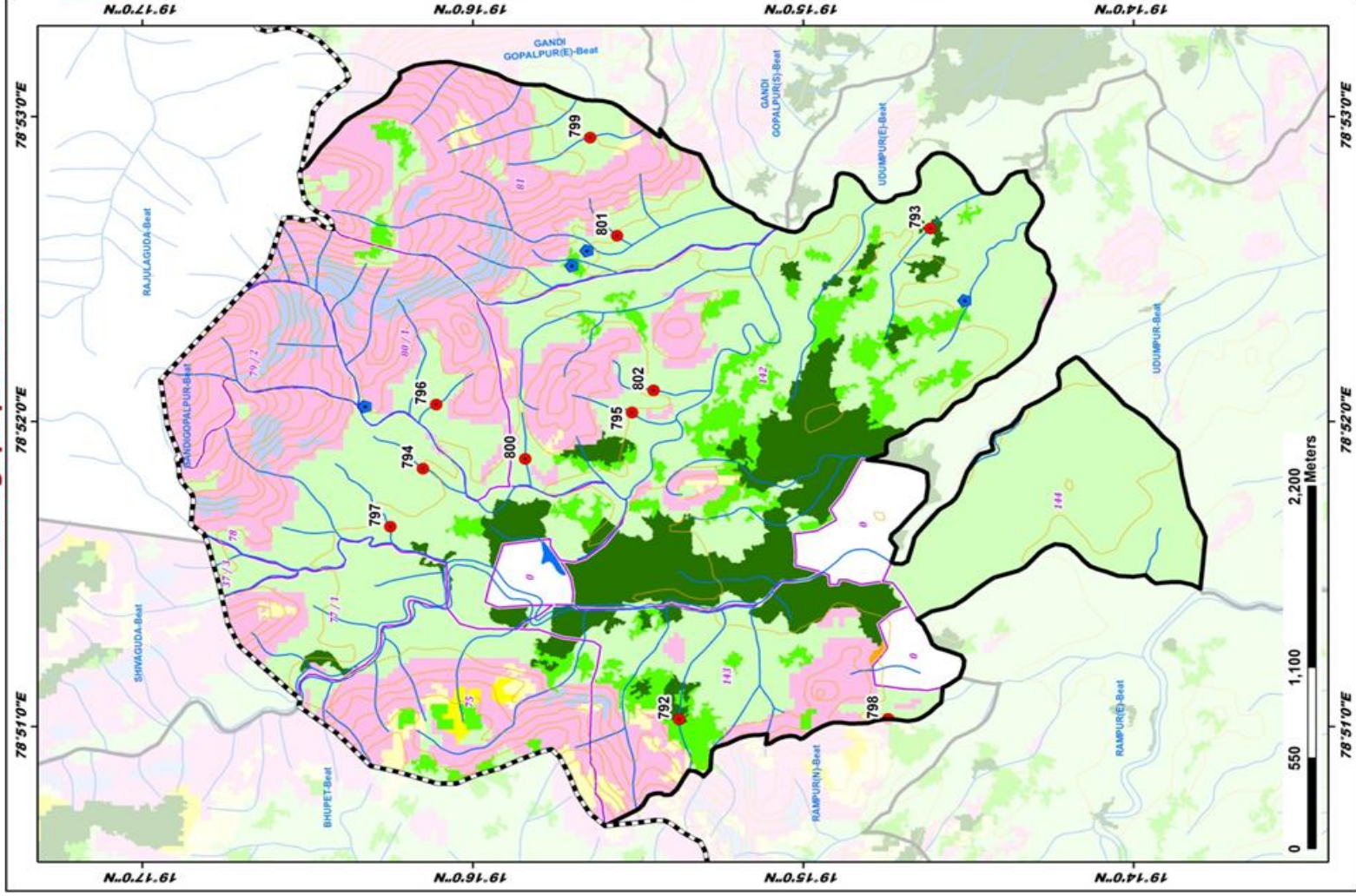
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
782	19.249995	78.887067	8.35	I
783	19.248904	78.888348	7.23	I
784	19.248262	78.885994	5.33	I
785	19.255623	78.893534	8.21	IV
786	19.247657	78.889467	9.40	IV
787	19.256583	78.884040	12.01	IV
788	19.248151	78.900665	7.34	IV
789	19.241468	78.896201	12.24	IV
790	19.253733	78.890626	5.78	IV
791	19.260549	78.906566	27.15	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 Gandigopalpur Beat



Division : Khanapur  
Range : Udumpur

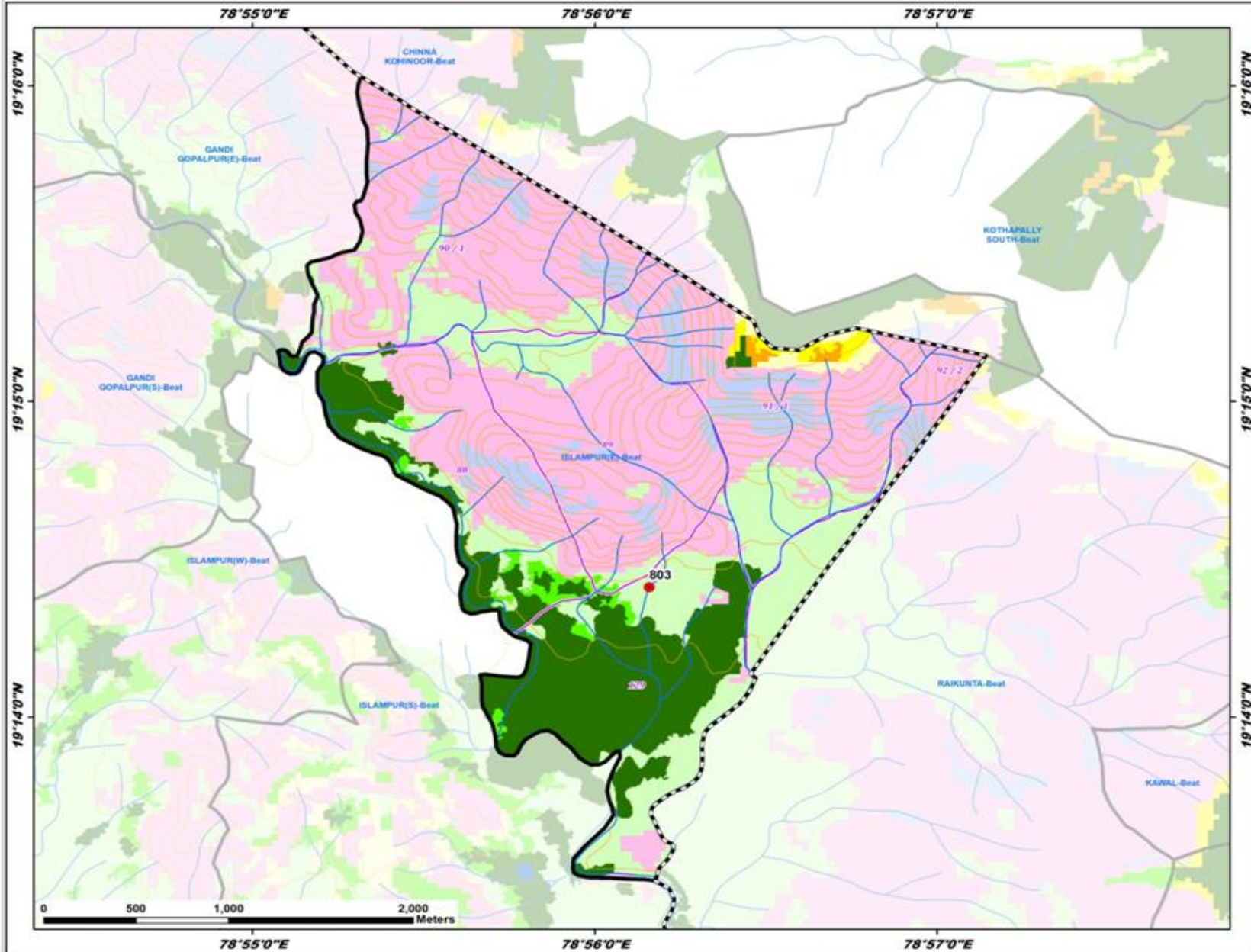


ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
792	19.250253	78.500600	11.71	I
793	19.243583	78.577241	31.62	II
794	19.269181	78.864116	5.53	IV
795	19.256640	78.867179	8.99	IV
796	19.268518	78.867609	7.62	IV
797	19.270830	78.860949	21.12	IV
798	19.265726	78.850438	17.89	IV
799	19.260753	78.882210	11.52	IV
800	19.260030	78.864641	13.01	IV
801	19.259396	78.876843	5.39	IV
802	19.257555	78.868892	8.25	IV

### LEGEND

- Proposed PTIs
- Existing CD/PTIs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTIs - Highly Suitable
- PTIs - Moderately Suitable
- PTIs - Least Suitable
- MPTs and SGP - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Udumapur

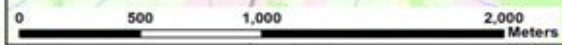
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
803	19.240593	78.935968	13.88	IV

**LEGEND**

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

**Suitability Index**

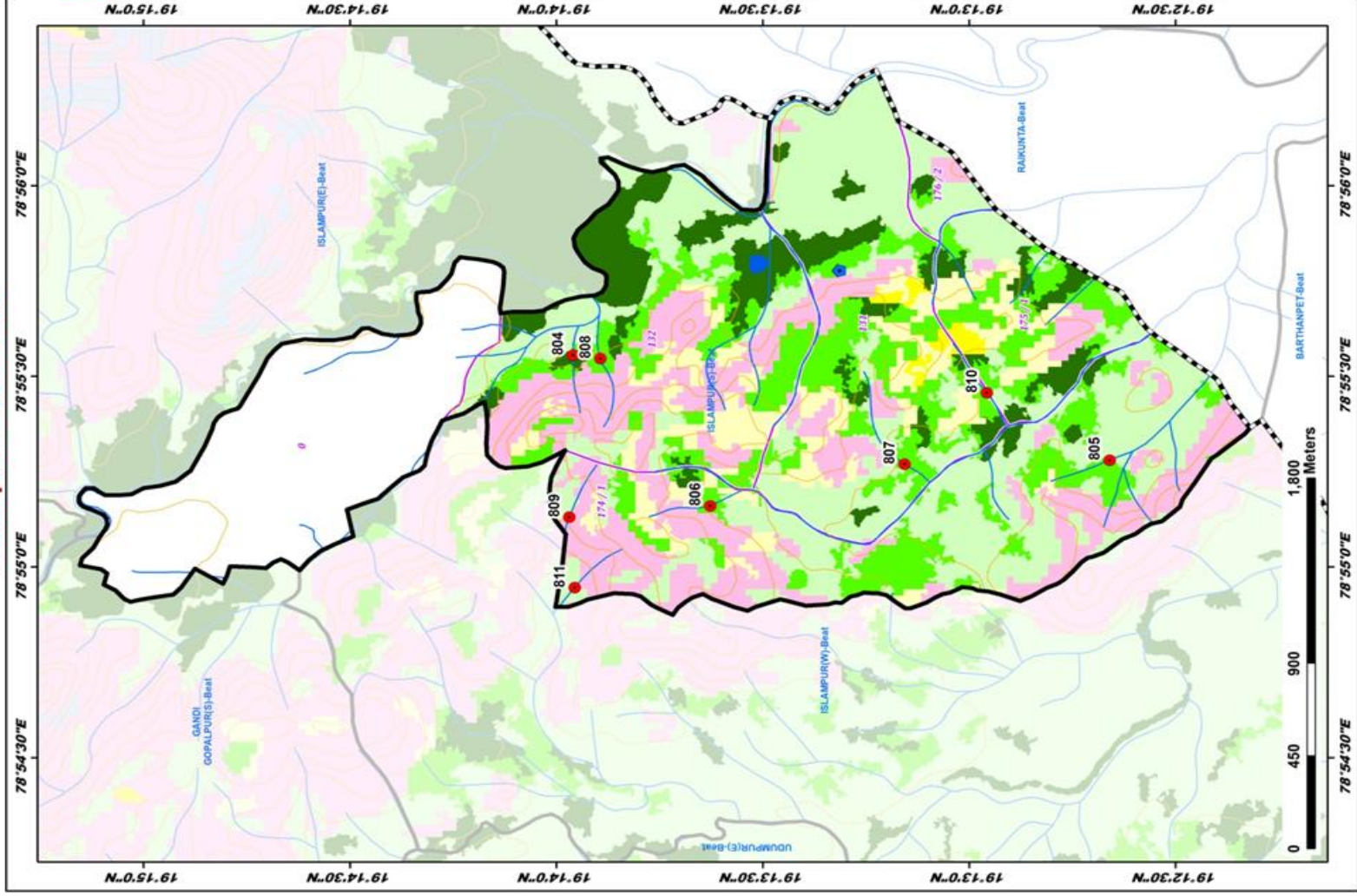
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Khanapur  
Range : Udumapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
804	19.232657	78.925297	5.23	I
805	19.232966	78.923346	8.90	II
806	19.227113	78.919547	8.15	II
807	19.235068	78.921171	20.28	II
808	19.231555	78.925794	8.61	II
809	19.232802	78.918854	7.90	IV
810	19.215947	78.924283	18.30	IV
811	19.232585	78.915771	12.62	IV

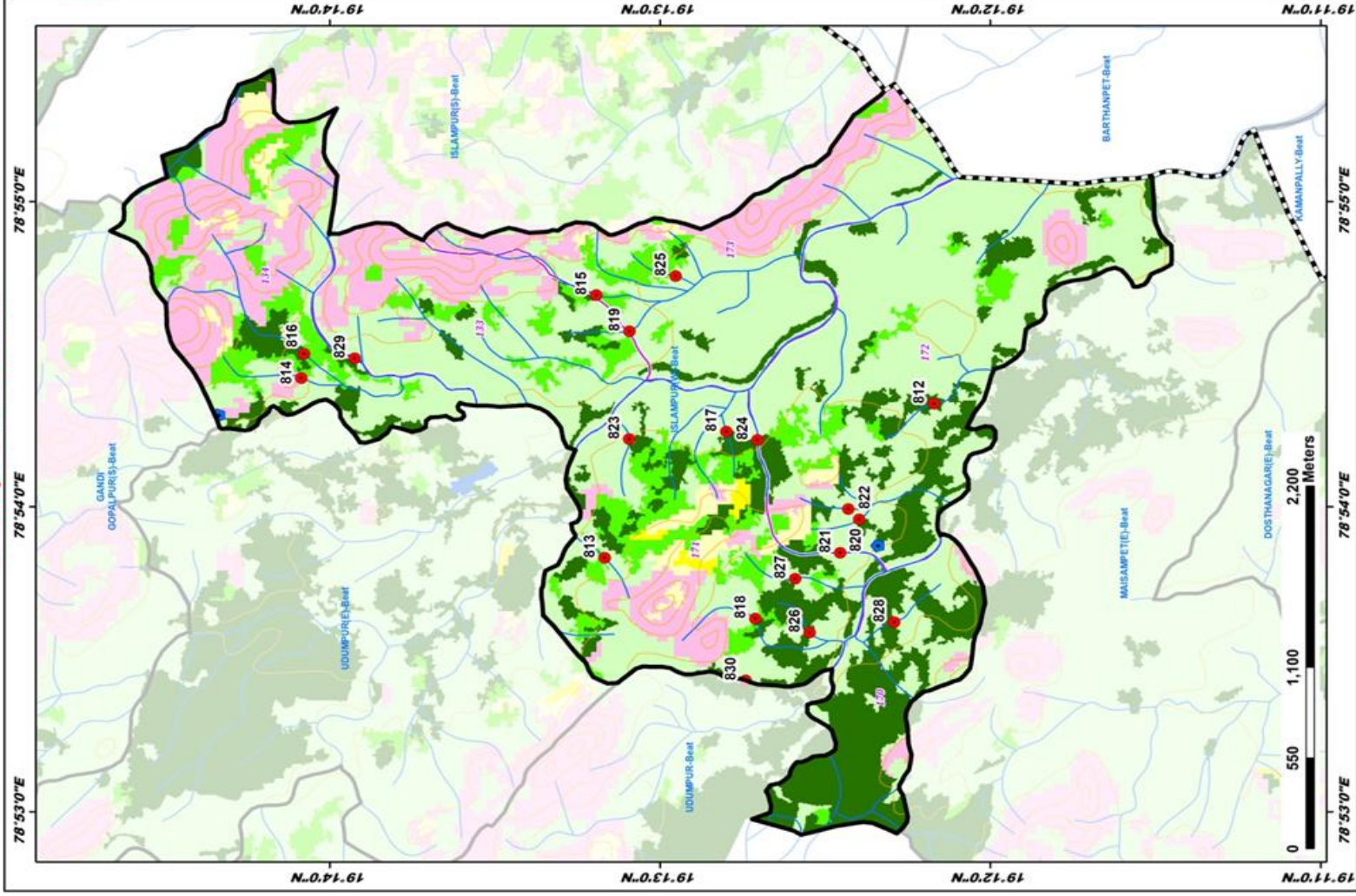
## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Udumapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
812	19.202843	78.905643	11.14	I
813	19.212453	78.897222	11.49	II
814	19.234758	78.907042	10.91	II
815	19.219882	78.911593	33.17	II
816	19.234615	78.908366	49.84	III
817	19.213909	78.904124	6.52	IV
818	19.211850	78.899906	18.30	IV
819	19.218200	78.909602	13.39	IV
820	19.206609	78.899120	6.57	IV
821	19.207582	78.897503	7.12	IV
822	19.207164	78.899892	5.44	IV
823	19.218224	78.903706	15.09	IV
824	19.211745	78.903670	14.34	IV
825	19.215882	78.912625	11.08	IV
826	19.209112	78.893139	7.25	IV
827	19.209846	78.896081	13.91	IV
828	19.204857	78.897110	31.10	V
829	19.232063	78.908129	79.76	III
830	19.212341	78.896527	30.62	V

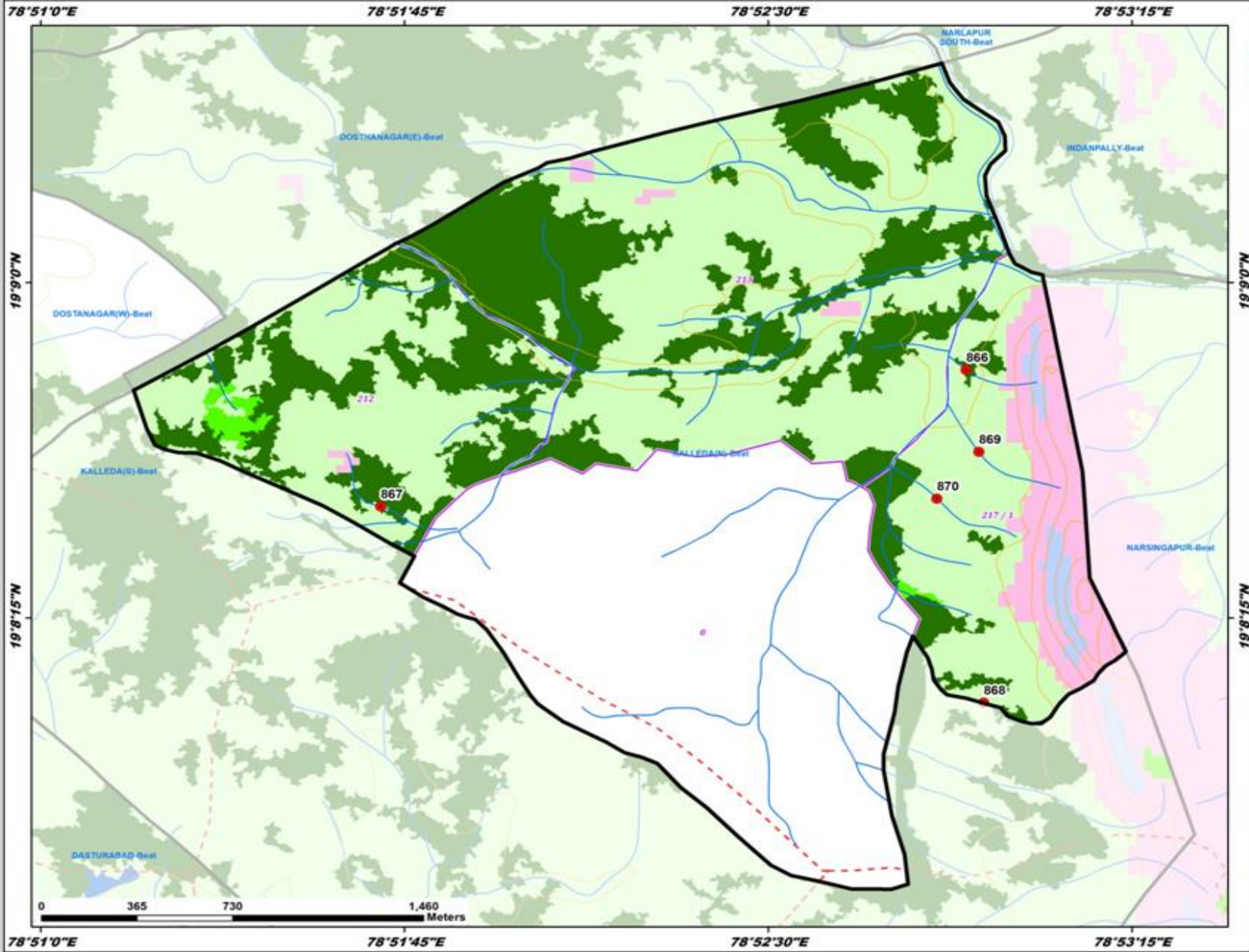
## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Udampur



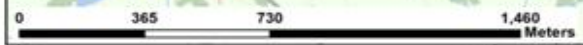
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
866	19.146754	78.881809	6.08	I
867	19.141662	78.861691	10.70	I
868	19.134351	78.882416	21.21	IV
869	19.143696	78.882250	13.76	IV
870	19.141952	78.880809	10.05	IV

**LEGEND**

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

**Suitability Index**

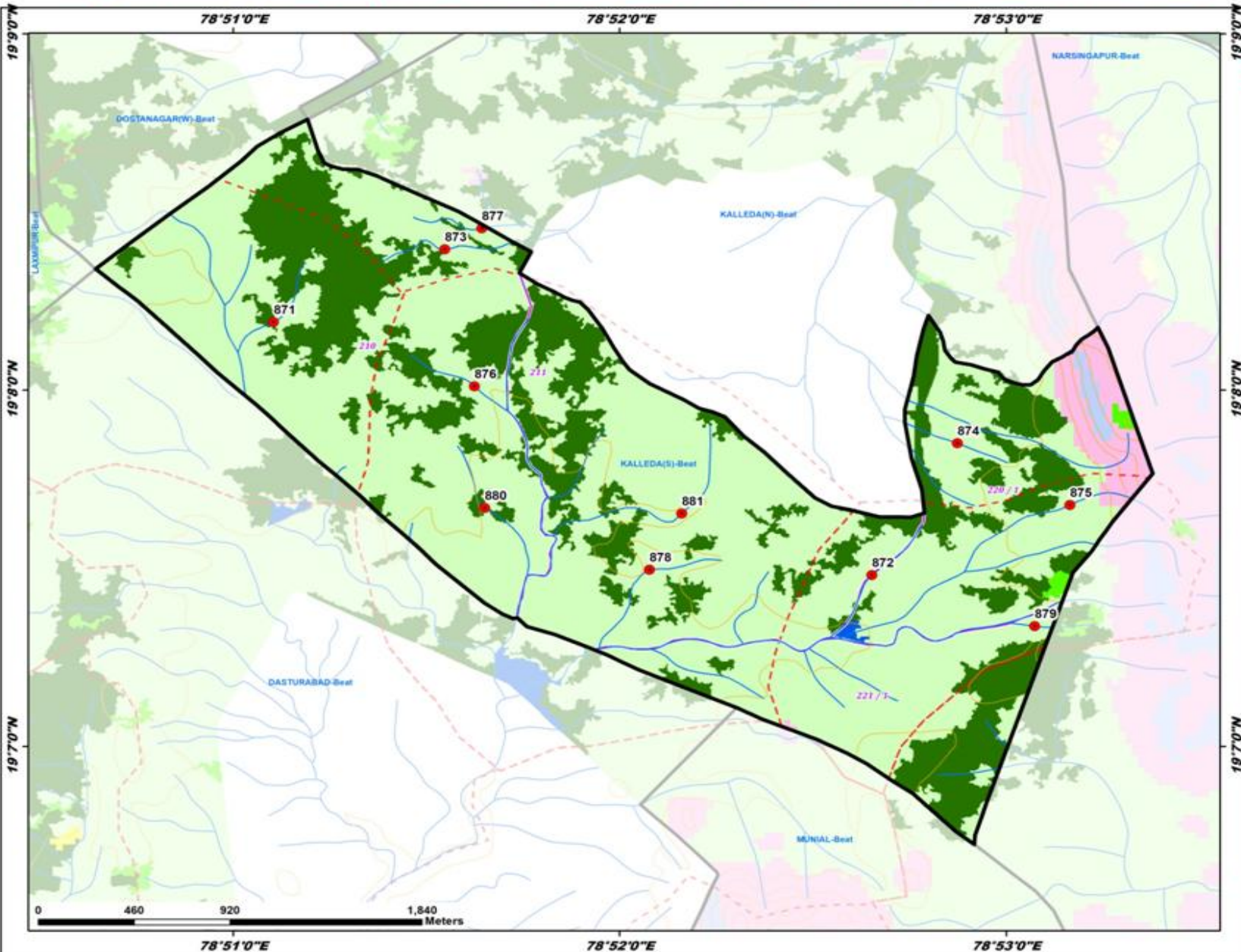
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Khanapur  
Range : Udampur



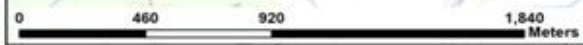
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
871	19.136515	78.851739	13.50	I
872	19.124683	78.877551	9.76	IV
873	19.139925	78.859119	10.20	IV
874	19.130853	78.881340	7.73	IV
875	19.127961	78.886084	12.54	IV
876	19.133515	78.860406	21.67	IV
877	19.140902	78.860724	17.24	IV
878	19.124934	78.867950	15.75	IV
879	19.122297	78.884568	10.81	IV
880	19.127822	78.860845	20.87	IV
881	19.127569	78.869349	16.68	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



78°51'0"E      78°52'0"E      78°53'0"E

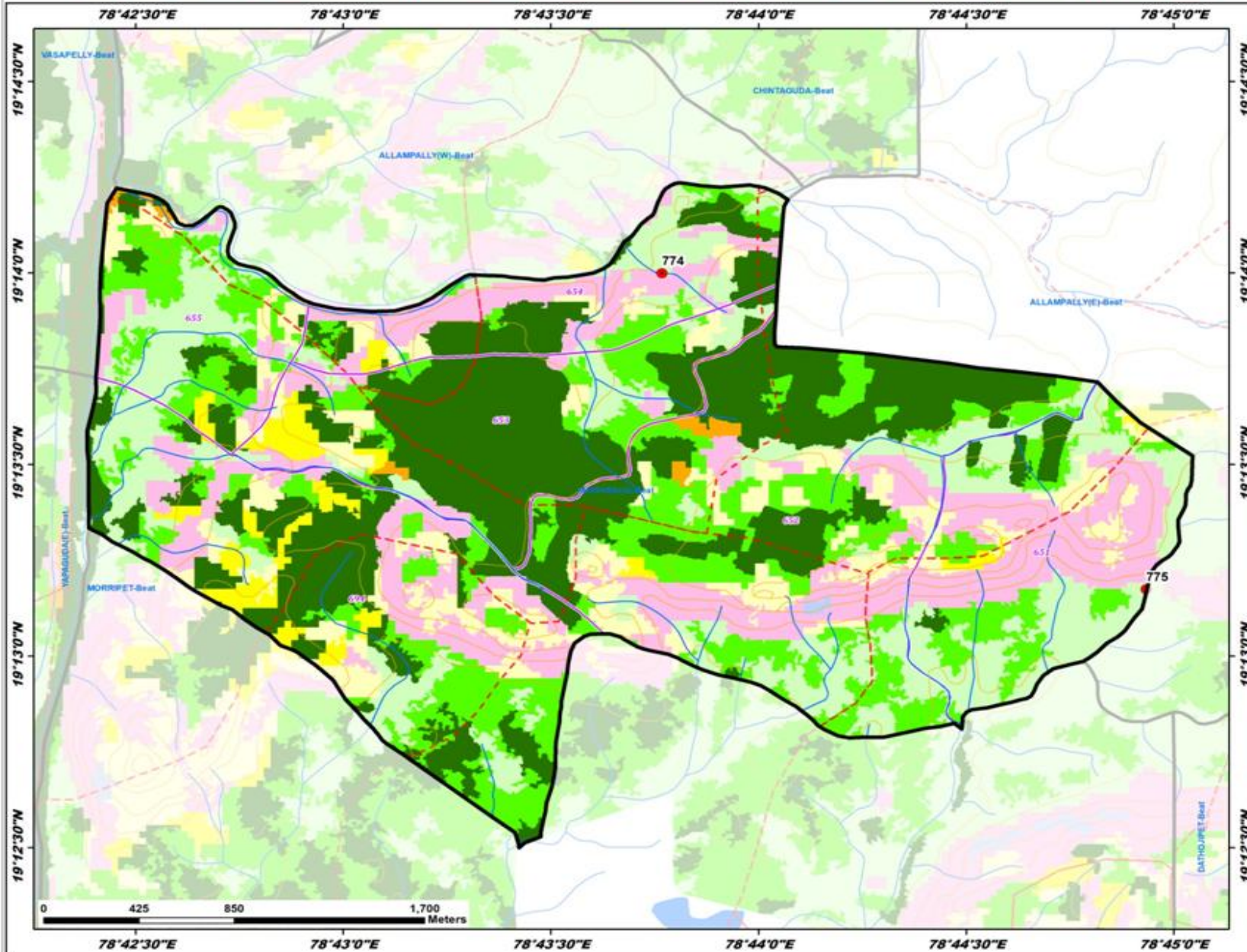
19°9'0"N  
19°8'0"N  
19°7'0"N

19°9'0"N  
19°8'0"N  
19°7'0"N

# Map Showing Suitability Index for Construction of SMC Works of Madhira (G) Beat



Division : Khanapur  
Range : Udumapur



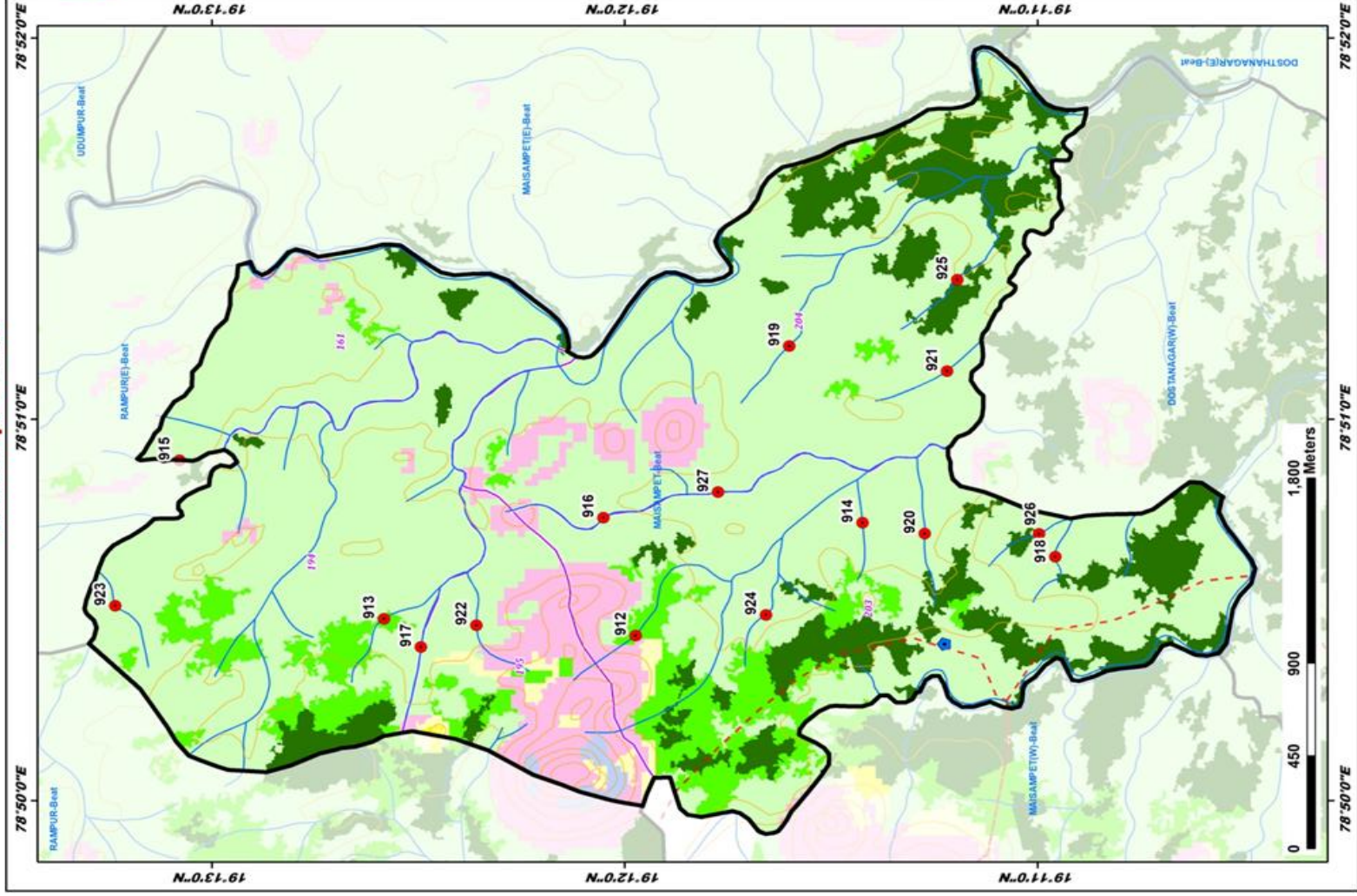
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
774	19.233329	78.729466	26.34	V
775	19.219572	78.748904	43.17	V

- 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 Maisampet Beat



Division : Khanapur  
Range : Udumapur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
912	19.199555	78.840558	8.90	II
913	19.209714	78.841288	9.26	II
914	19.190398	78.845495	7.11	IV
915	19.217976	78.848222	10.01	IV
916	19.200857	78.845709	20.39	IV
917	19.208224	78.840055	15.90	IV
918	19.182612	78.844006	9.60	IV
919	19.193355	78.852213	11.76	IV
920	19.187881	78.845022	13.53	IV
921	19.188687	78.852118	14.85	IV
922	19.205985	78.841009	6.83	IV
923	19.220574	78.841883	17.47	IV
924	19.194293	78.841455	6.78	IV
925	19.188565	78.856310	18.17	IV
926	19.183264	78.845002	6.36	IV
927	19.198228	78.846831	51.22	V

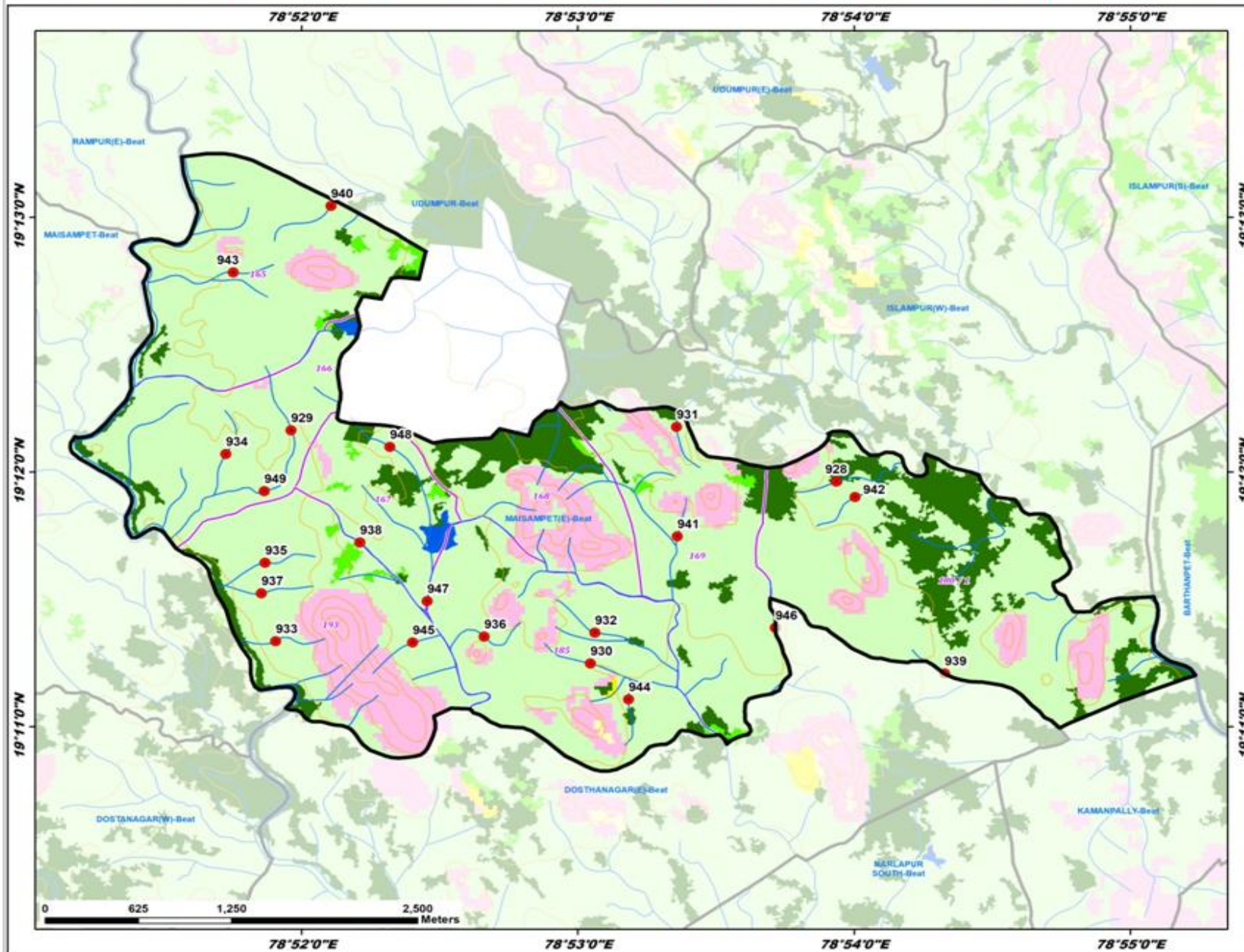
## LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Udumpur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
928	19.199374	78.898939	24.77	I
929	19.202727	78.866031	14.21	IV
930	19.187471	78.894092	17.33	IV
931	19.202956	78.895296	9.45	IV
932	19.189495	78.894359	6.84	IV
933	19.188936	78.865095	14.09	IV
934	19.201179	78.862099	14.88	IV
935	19.194063	78.864452	15.54	IV
936	19.189243	78.877696	10.43	IV
937	19.192071	78.864229	10.04	IV
938	19.195388	78.870187	9.06	IV
939	19.186816	78.905468	18.33	IV
940	19.217417	78.868442	18.13	IV
941	19.195796	78.889347	8.81	IV
942	19.198367	78.900065	20.09	IV
943	19.213067	78.862540	8.73	IV
944	19.185130	78.886394	8.90	IV
945	19.188847	78.873373	6.37	IV
946	19.189808	78.895249	35.16	V
947	19.191508	78.874250	93.32	V
948	19.201641	78.871996	29.85	V
949	19.198753	78.864419	39.52	V

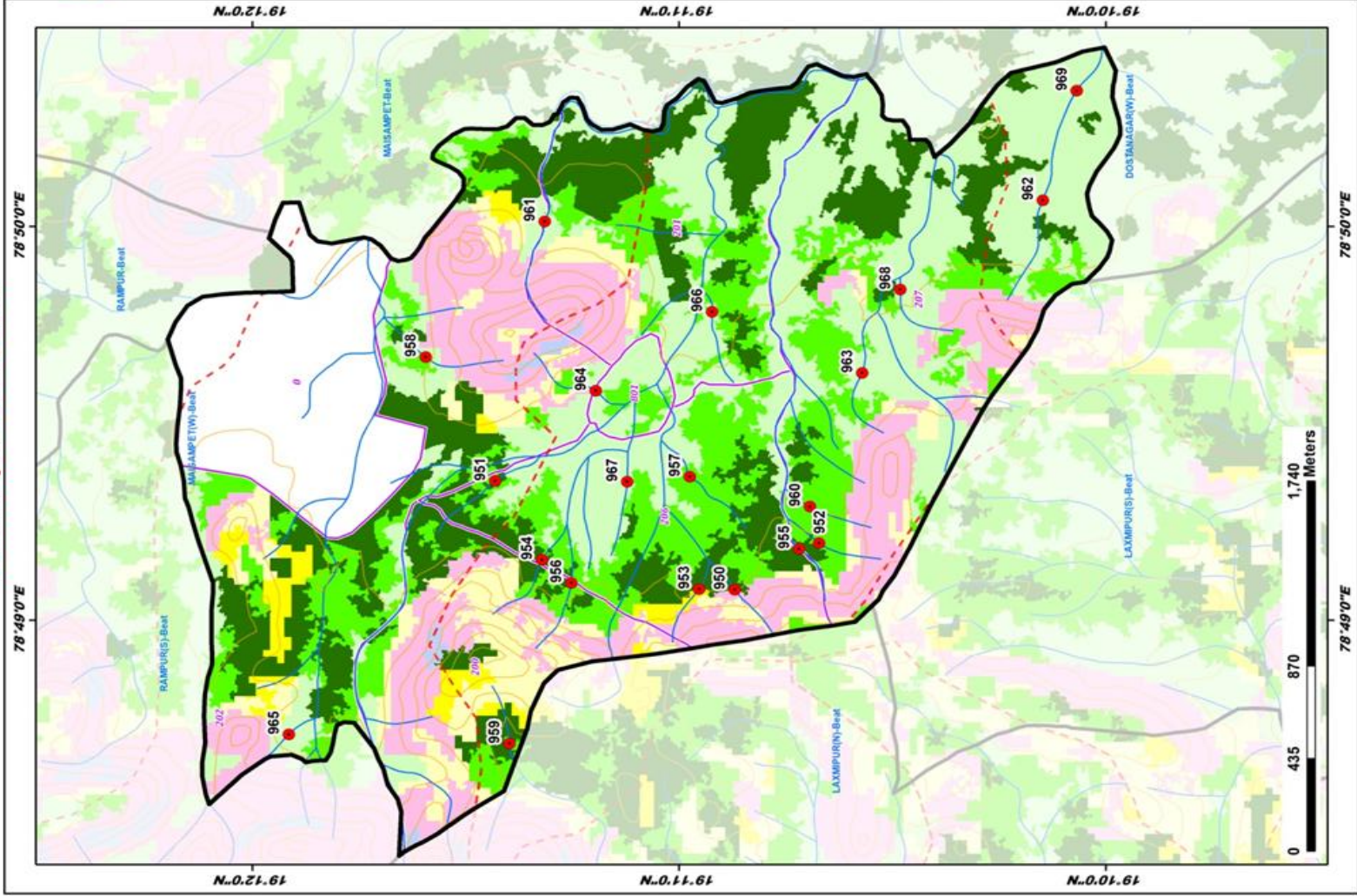
### LEGEND

- 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 Maisampet West Beat



Division : Khanapur  
Range : Udumपुर



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
950	19.181151	78.817975	6.16	I
951	19.190515	78.822577	6.96	I
952	19.177868	78.819499	5.96	I
953	19.182548	78.818005	8.84	I
954	19.180690	78.819234	11.23	I
955	19.178639	78.819699	10.33	I
956	19.187537	78.819263	8.04	II
957	19.182918	78.827255	11.93	II
958	19.193284	78.827814	6.28	II
959	19.189961	78.811456	13.60	II
960	19.179219	78.821492	5.55	II
961	19.186883	78.833550	17.18	IV
962	19.189119	78.834447	13.02	IV
963	19.176174	78.827144	6.46	IV
964	19.186585	78.826395	9.34	IV
965	19.198570	78.811857	7.34	IV
966	19.182036	78.829726	14.83	IV
967	19.185353	78.822541	5.44	IV
968	19.174686	78.830670	7.13	IV
969	19.167801	78.839089	42.69	V

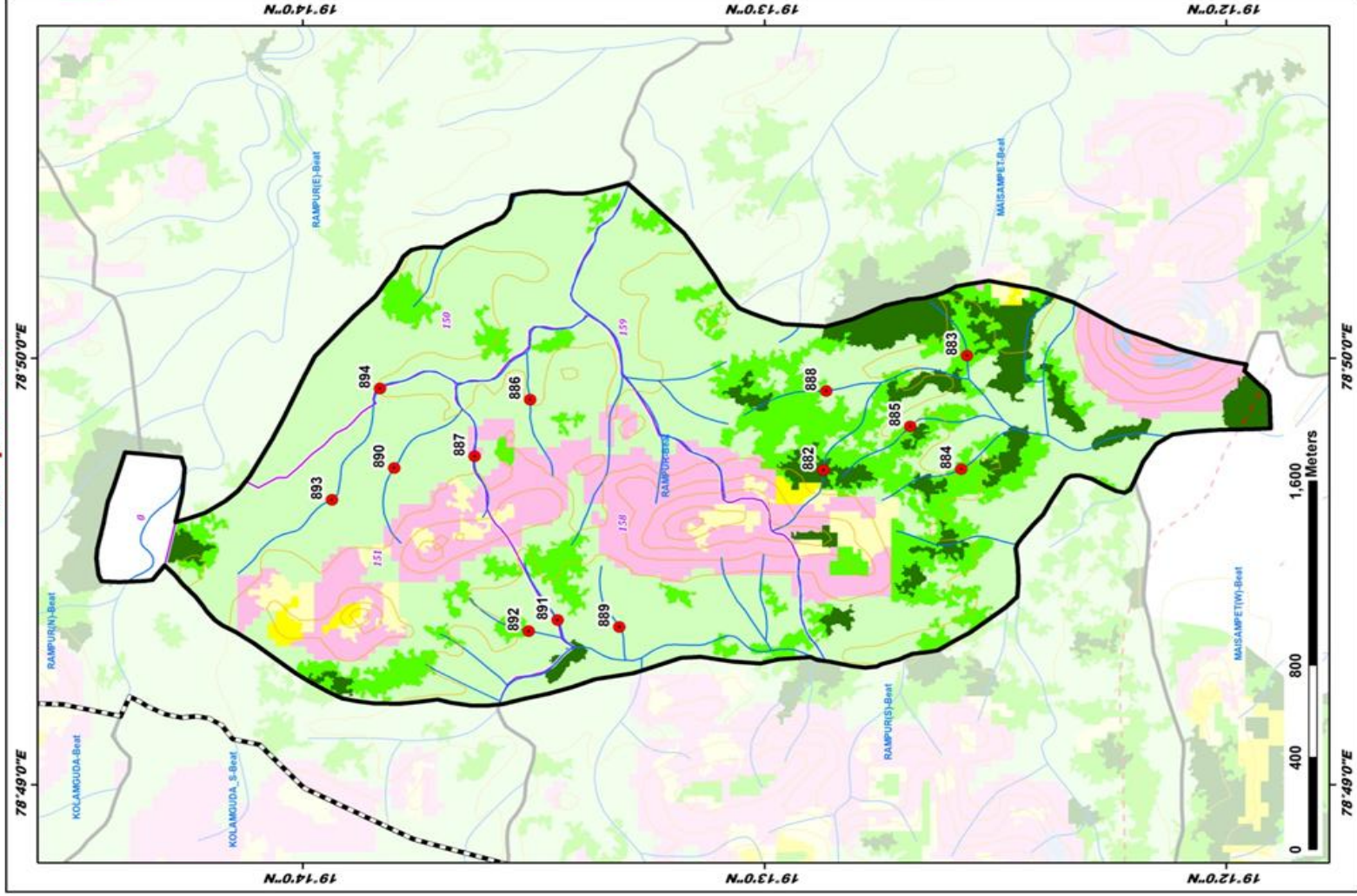
### LEGEND

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Udumapur



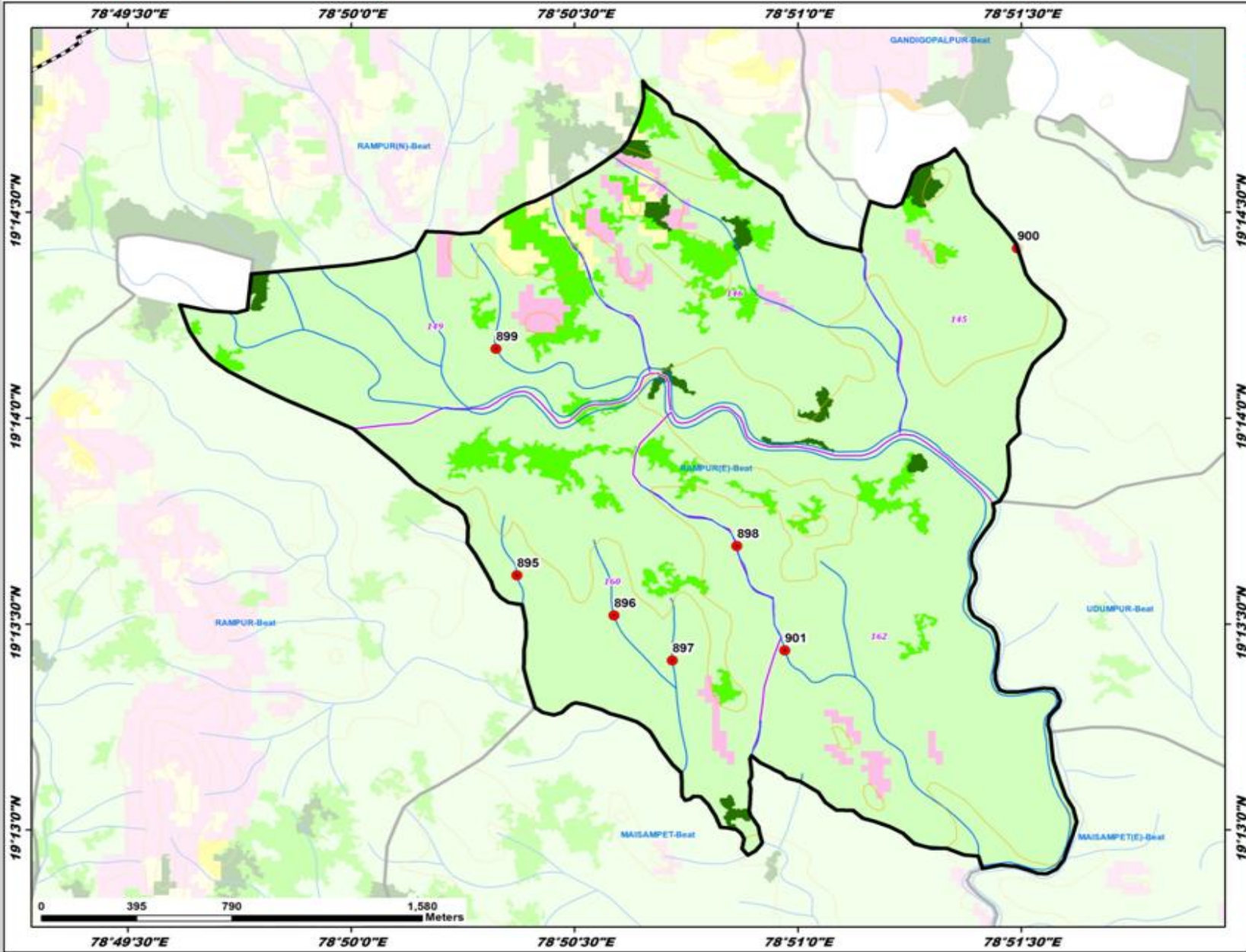
## LEGEND

- Proposed PTIs
- Existing CD/PTIs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTIs - Highly Suitable
- PTIs - Moderately Suitable
- PTIs - Least Suitable
- MPTIs and SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Udumpur



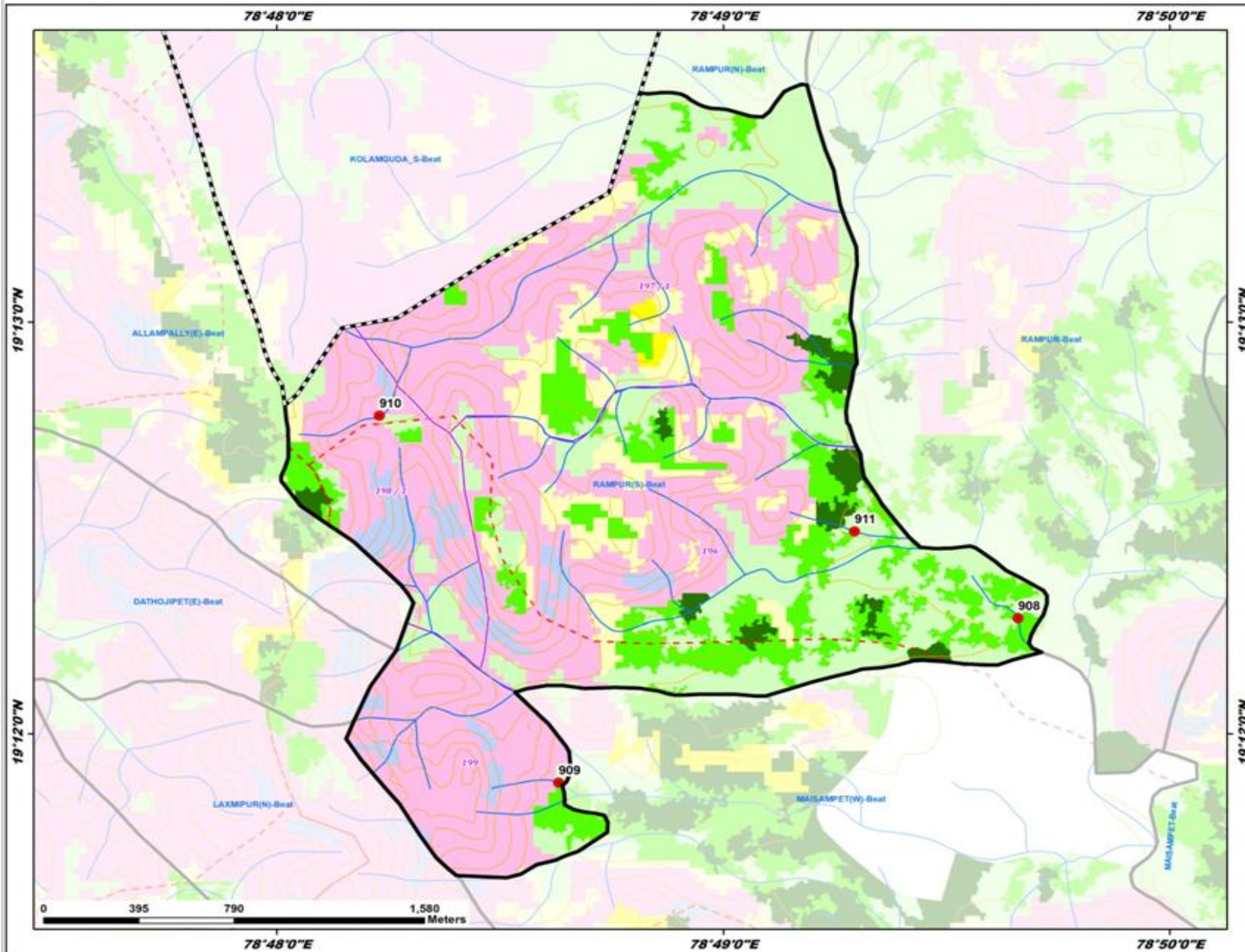
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
895	19.226979	78.839518	9.04	IV
896	19.225349	78.843141	18.28	IV
897	19.223533	78.845316	6.27	IV
898	19.228163	78.847729	22.37	IV
899	19.236141	78.838739	14.59	IV
900	19.240207	78.858197	28.08	V
901	19.223936	78.849513	46.73	V

- 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 Rampur South Beat



Division : Khanapur  
Range : Udampur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
908	19.204683	78.827680	9.52	II
909	19.198033	78.820519	5.29	II
910	19.212877	78.803832	12.77	IV
911	19.208200	78.821566	6.45	IV

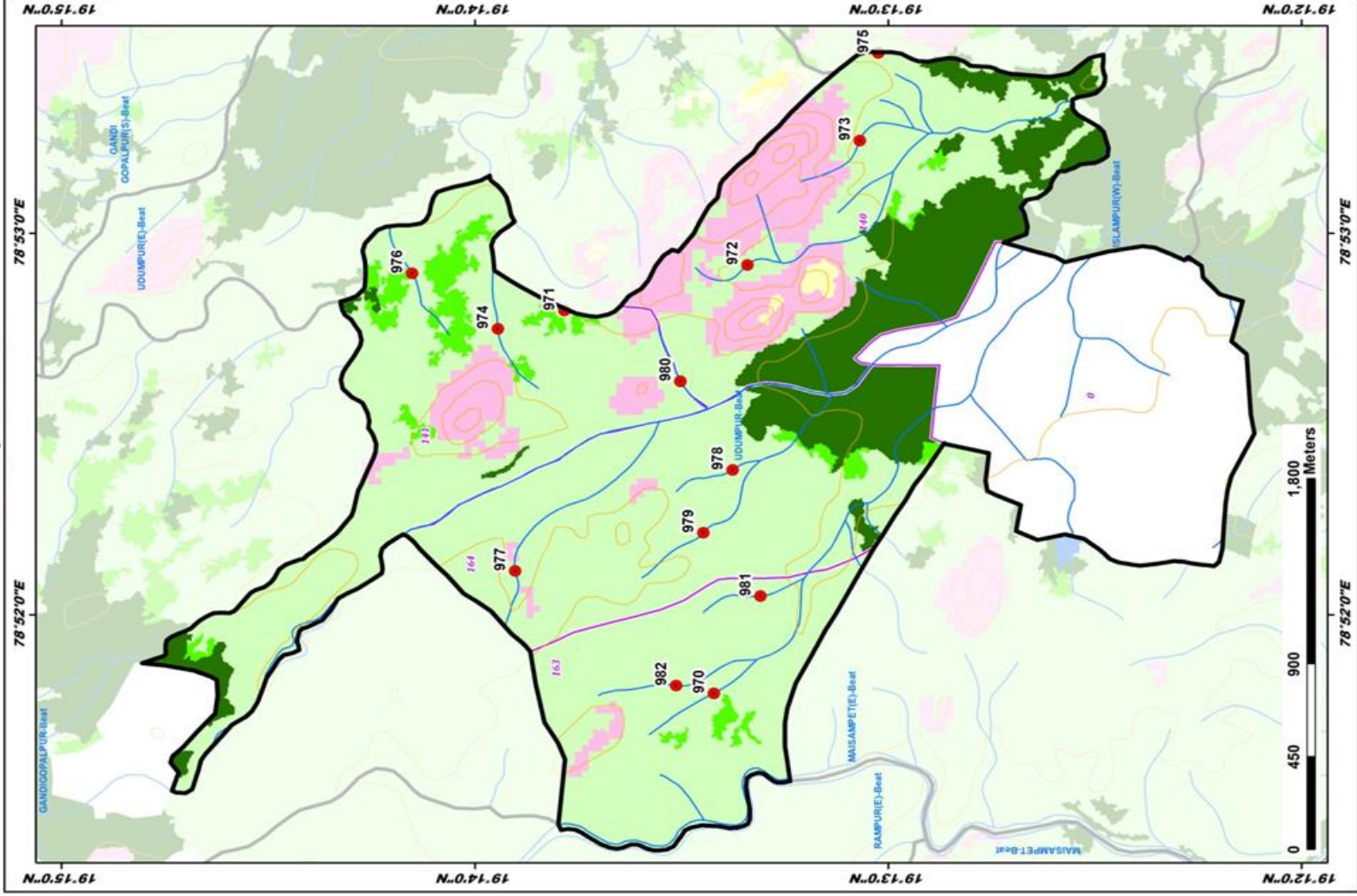
### LEGEND

- 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 Udupampur Beat



Division : Khanapur  
Range : Udupampur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
970	19.223696	78.863252	11.03	IV
971	19.229727	78.879984	5.75	IV
972	19.222348	78.881970	11.40	IV
973	19.217817	78.887199	9.79	IV
974	19.229415	78.879175	12.53	IV
975	19.217073	78.891230	16.47	IV
976	19.235876	78.881402	21.05	IV
977	19.231719	78.868596	18.86	IV
978	19.222946	78.873006	11.55	IV
979	19.224129	78.870265	11.77	IV
980	19.225047	78.870887	17.52	IV
981	19.221829	78.867505	11.86	IV
982	19.223222	78.863597	26.44	V

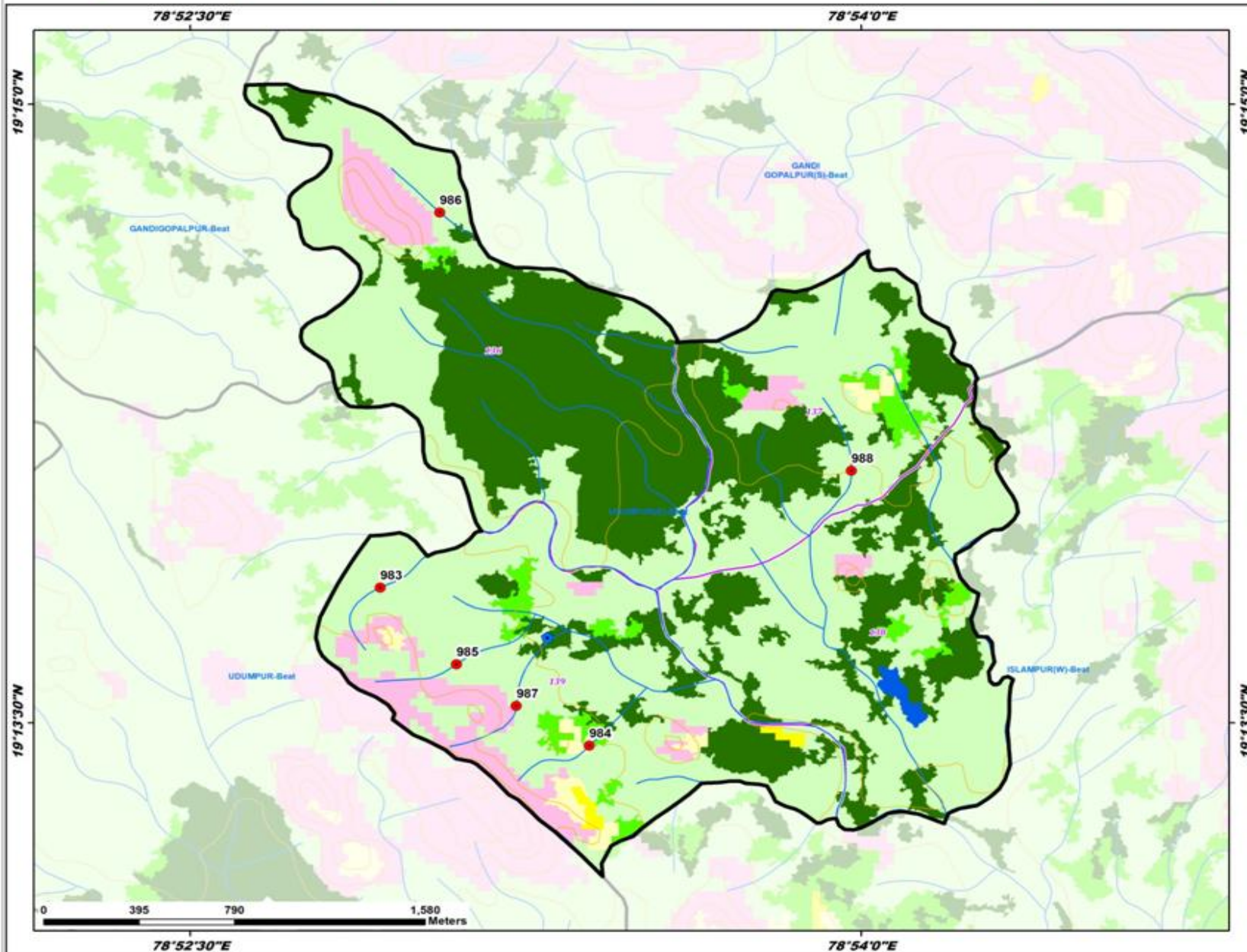
**LEGEND**

- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat 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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Khanapur  
Range : Udumpur



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
983	19.230467	78.882086	7.53	IV
984	19.224081	78.889874	9.66	IV
985	19.227370	78.884826	10.85	IV
986	19.245618	78.884307	6.27	IV
987	19.225692	78.887160	8.21	IV
988	19.235192	78.899652	13.00	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