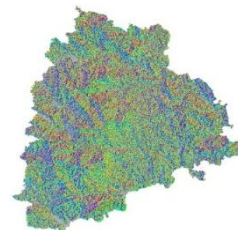
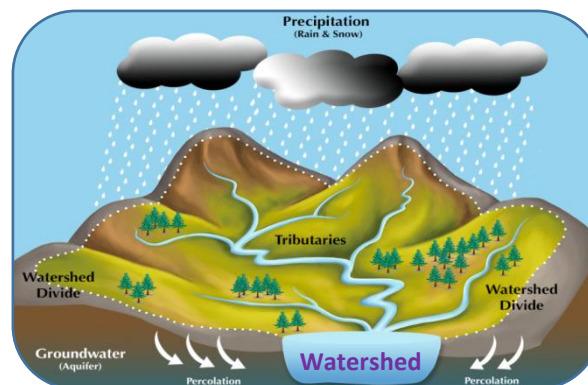


Government of Telangana – Forest Department



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

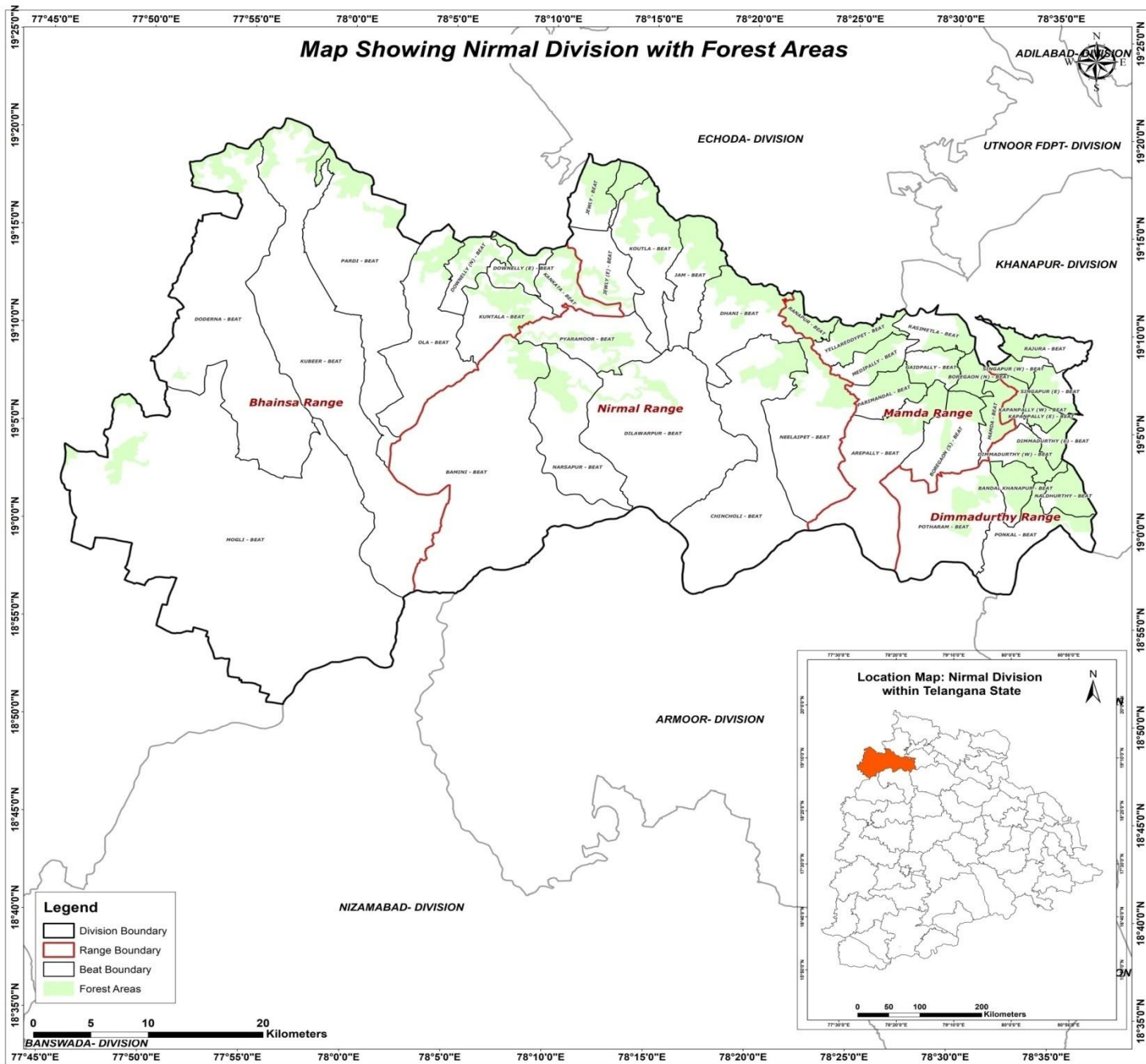


SITE SUITABILITY ANALYSIS FOR WATER HARVESTING STRUCTURES USING REMOTE SENSING & GIS

**Circle: Basara
District: Nirmal
Division: Nirmal**

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

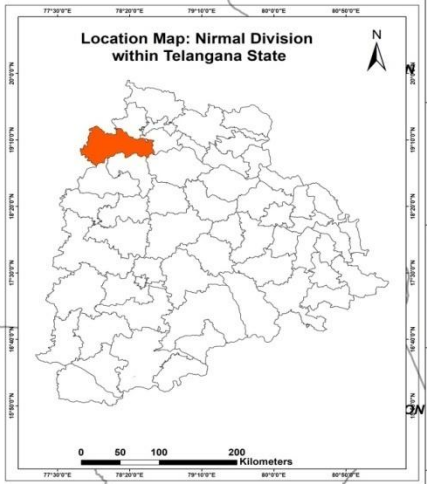
Map Showing Nirmal Division with Forest Areas



Legend

- Division Boundary
- Range Boundary
- Beat Boundary
- Forest Areas

0 5 10 20
Kilometers



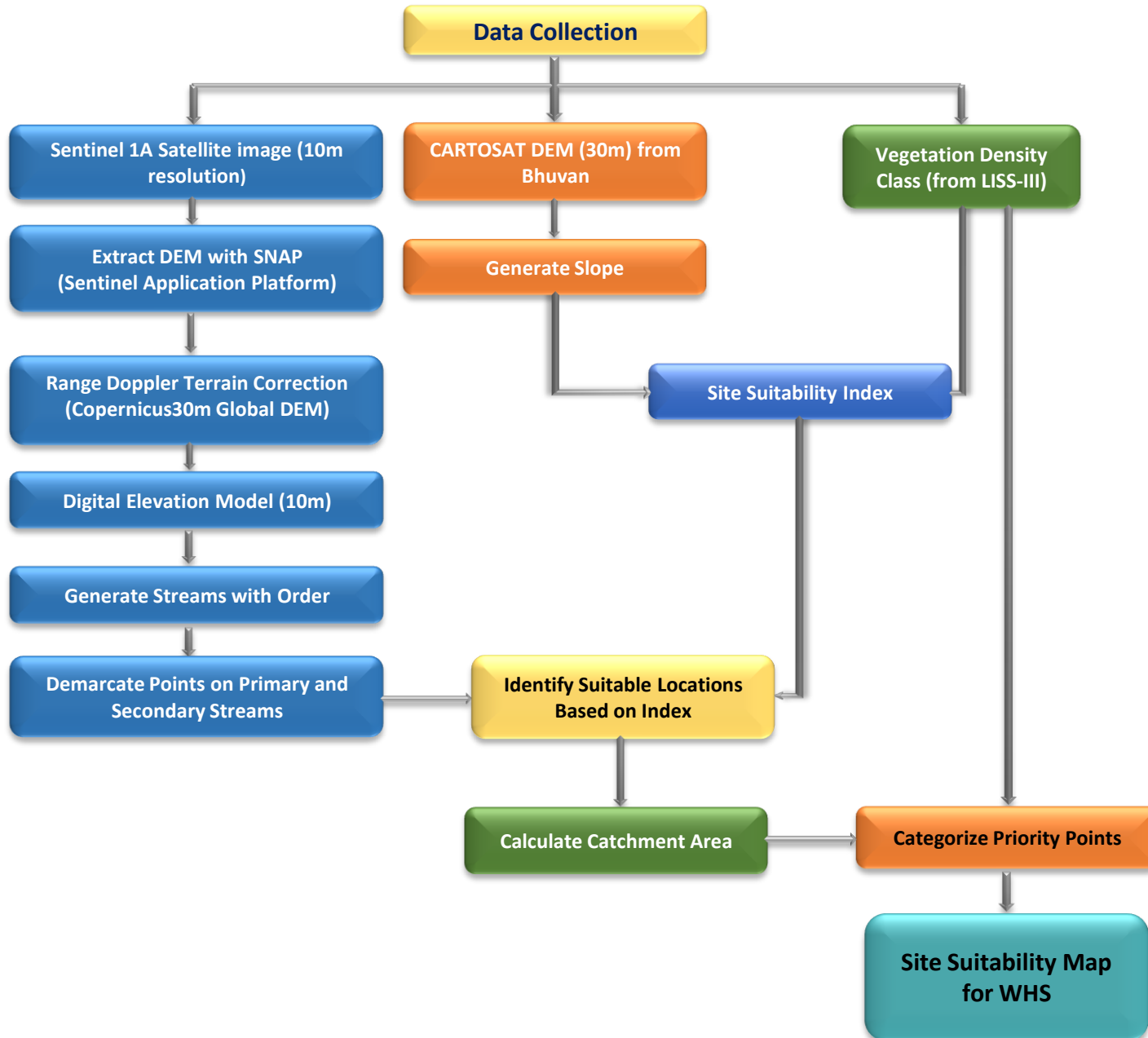
METHODOLOGY

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.



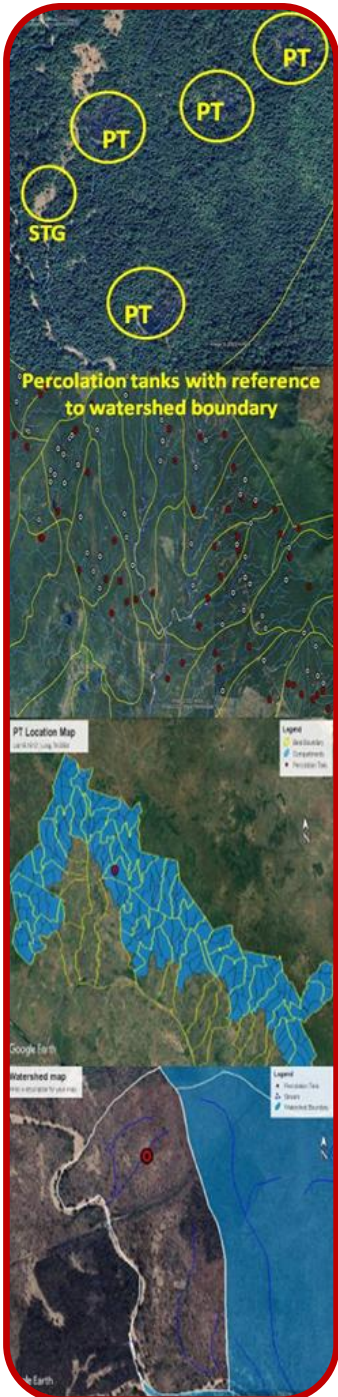
Suitability criteria for Check-Dams and Percolation Tanks (SITE SUITABILITY INDEX)

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





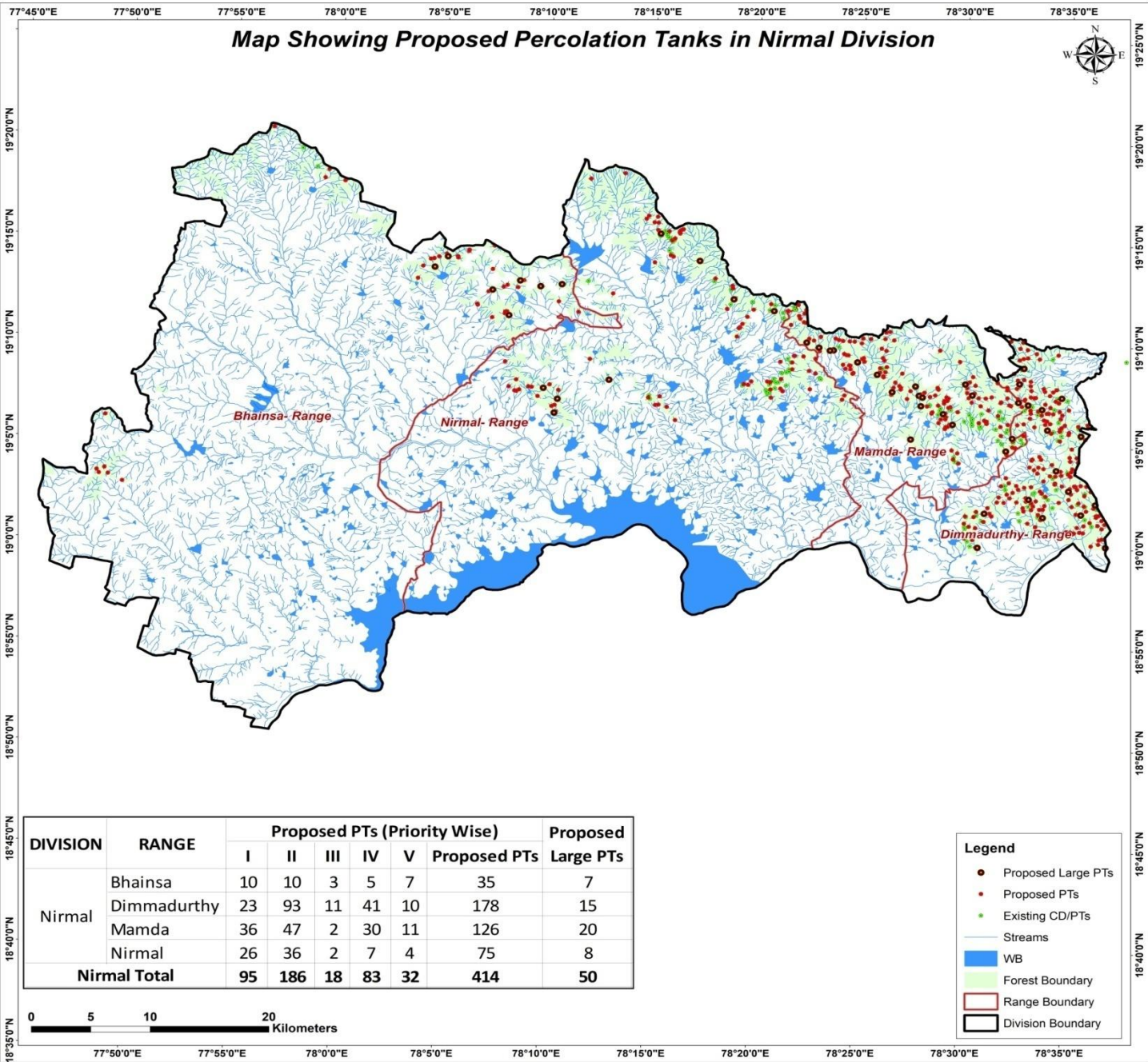
PRIORITY CLASSES FOR PERCOLATION TANK

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 Nirmal Division

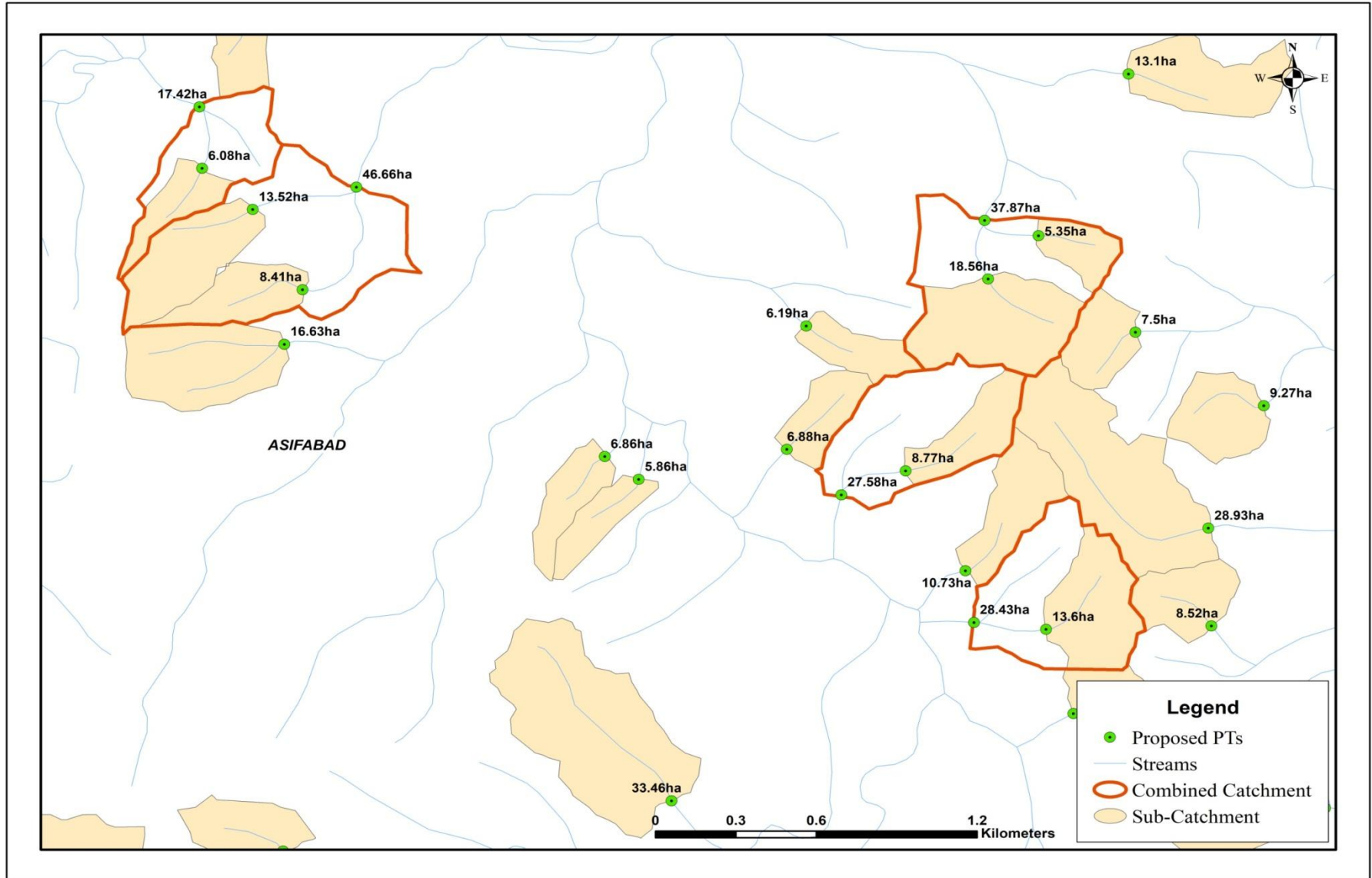


DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
		I	II	III	IV	V		
Nirmal	Bhainsa	10	10	3	5	7	35	7
	Dimmadurthy	23	93	11	41	10	178	15
	Mamda	36	47	2	30	11	126	20
	Nirmal	26	36	2	7	4	75	8
Nirmal Total		95	186	18	83	32	414	50

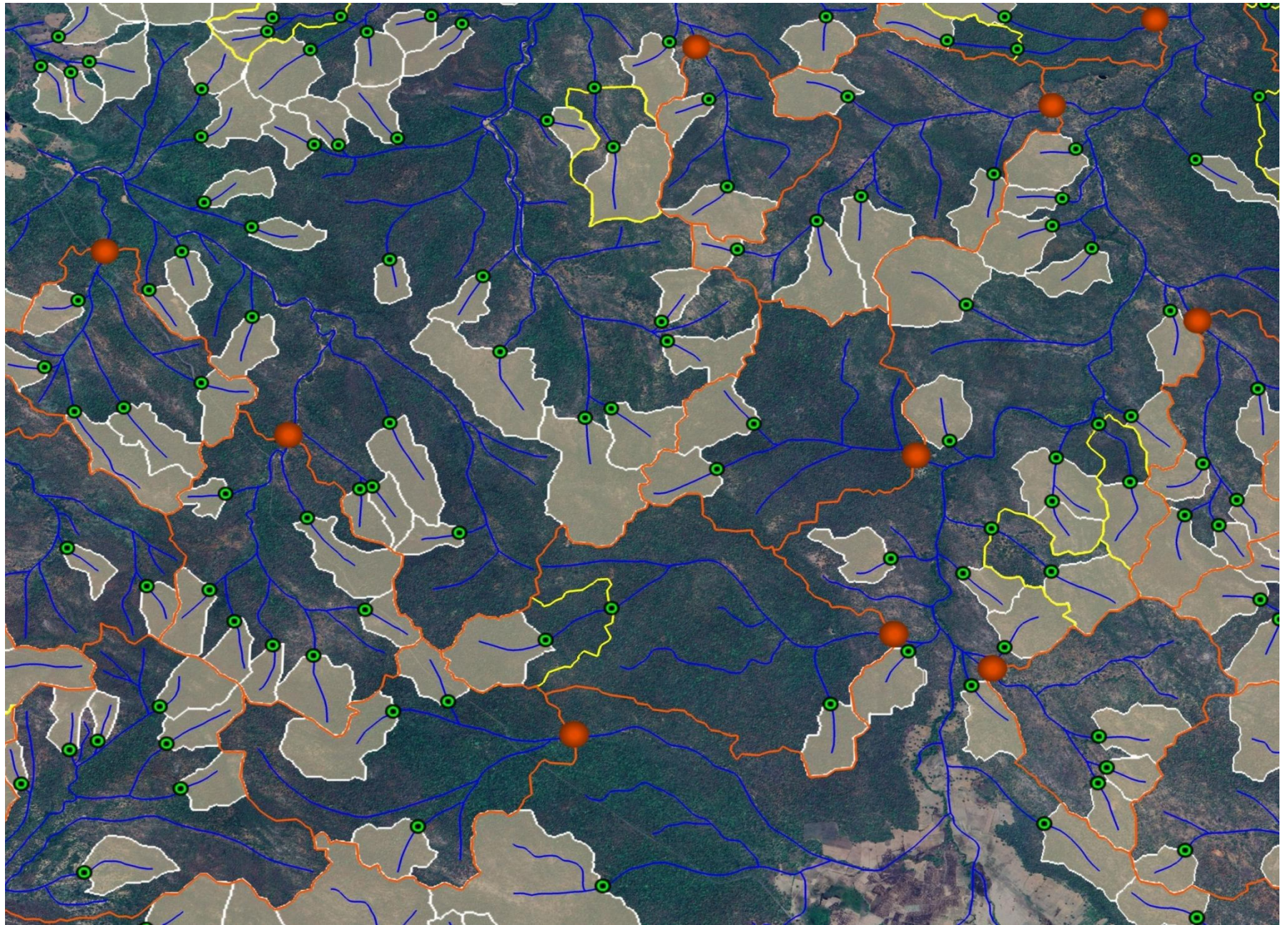
- Legend**
- Proposed Large PTs
 - Proposed PTs
 - Existing CD/PTs
 - Streams
 - WB
 - Forest Boundary
 - Range Boundary
 - Division Boundary

0 5 10 20 Kilometers

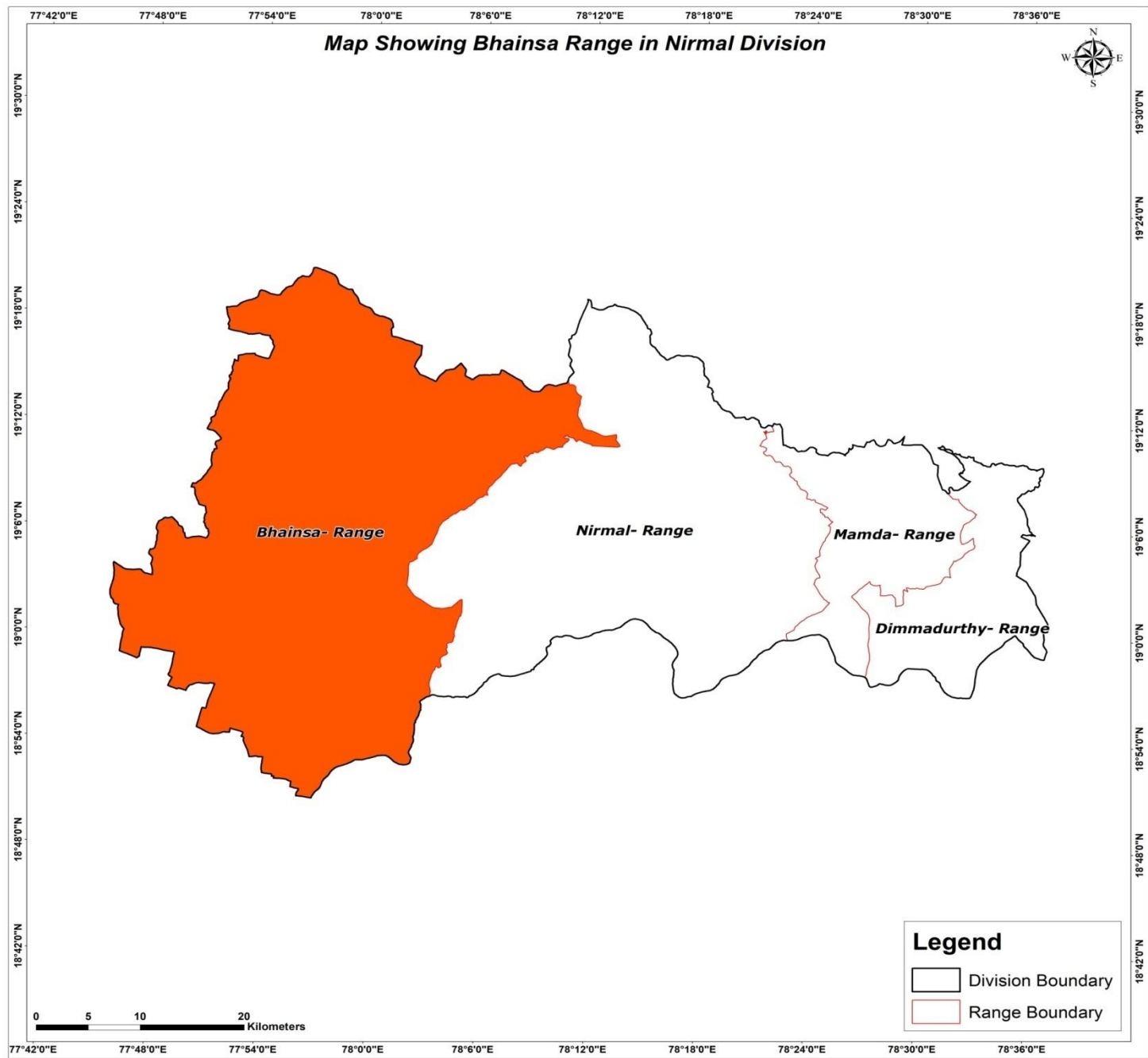
CATCHMENT AREA



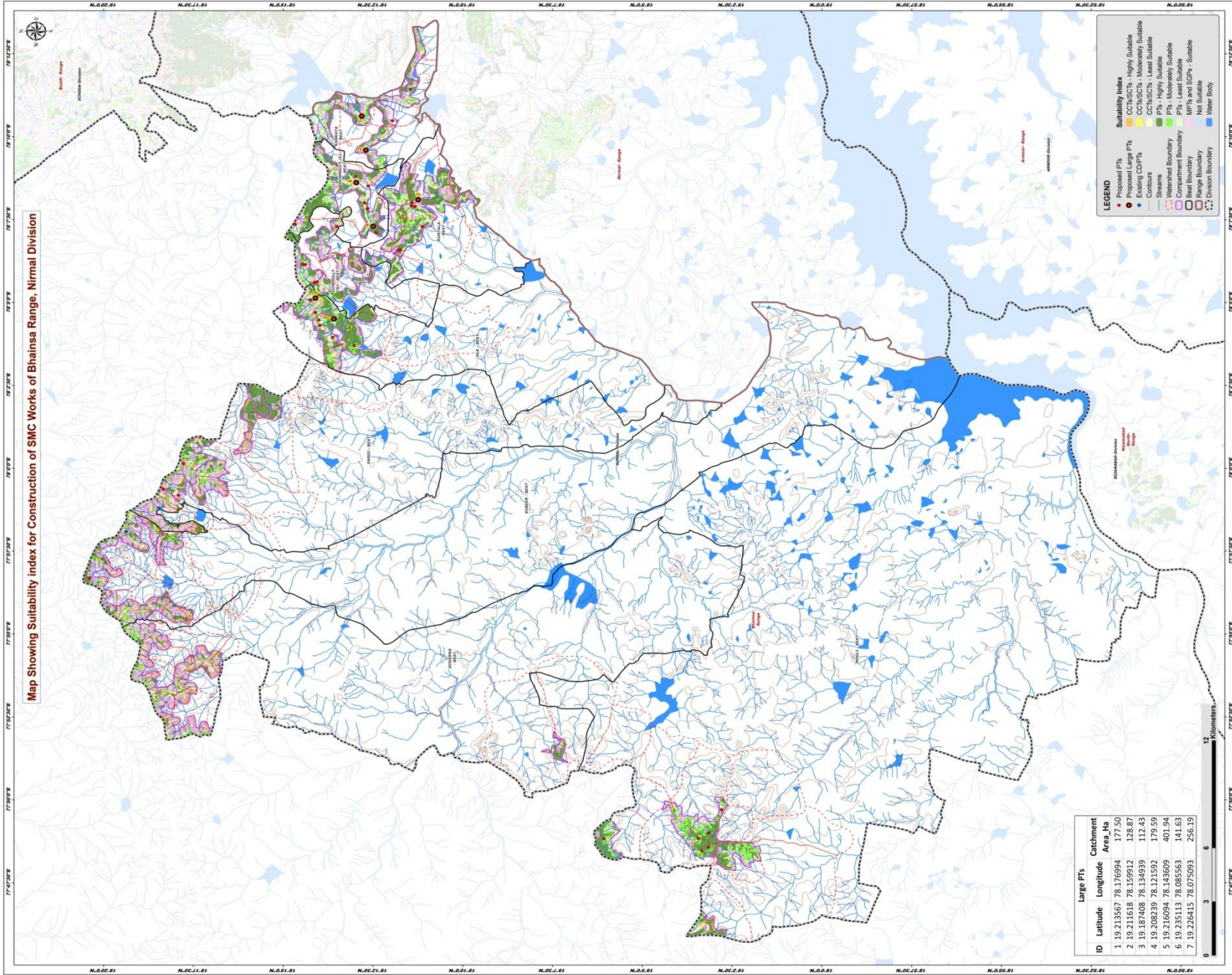
Sample Catchment Map



Map Showing Bhainsa Range in Nirmal Division



Map Showing Suitability Index for Construction of SMC Works of Bhainsa Range, Nirmal Division

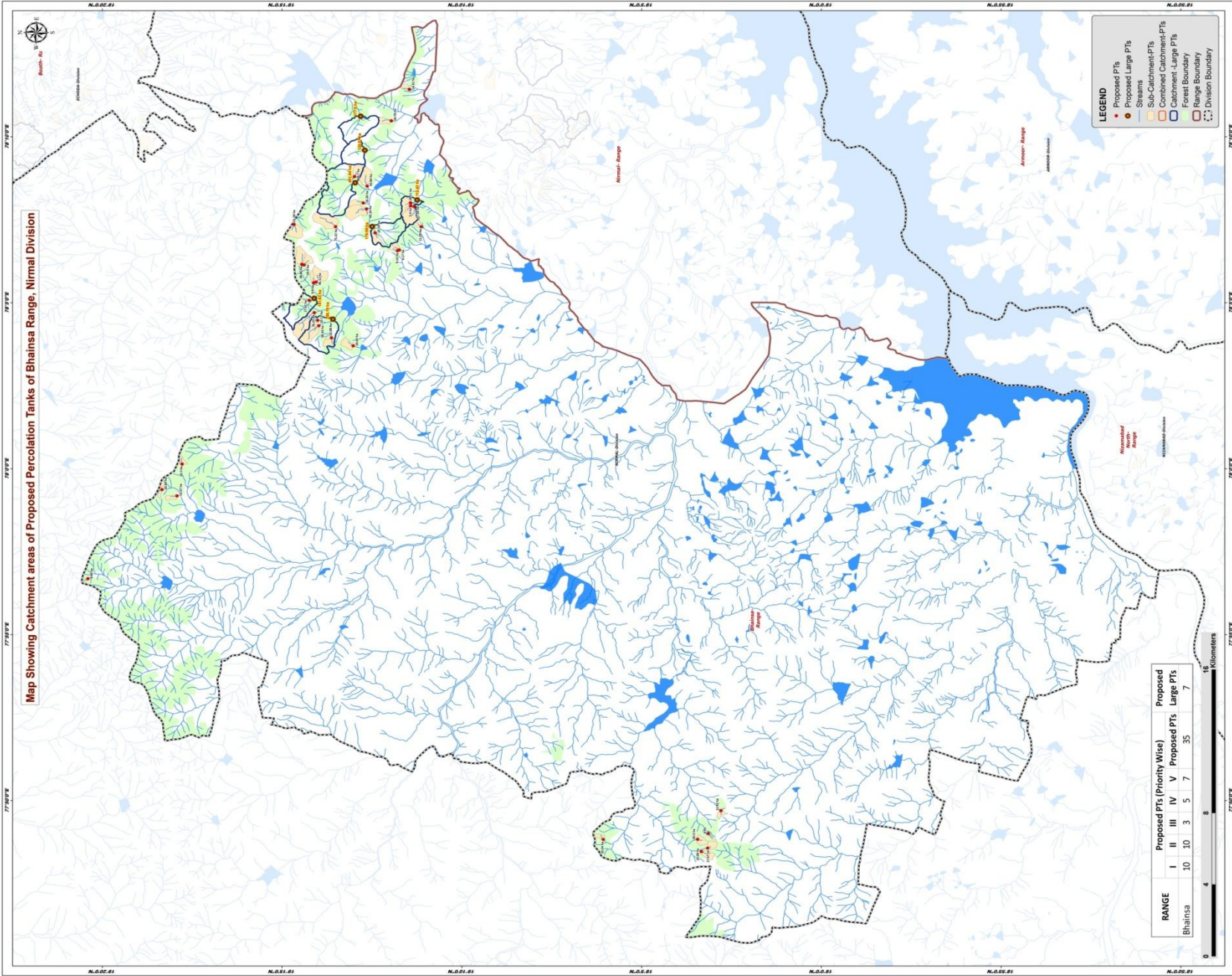


Large PFTs			
ID	Latitude	Longitude	Catchment Area, Ha
1	19.213557	78.176994	177.50
2	19.211618	78.159912	128.87
3	19.187408	78.134939	112.43
4	19.209239	78.115192	176.59
5	19.215994	78.145609	401.94
6	19.235113	78.085563	141.63
7	19.226413	78.075093	256.13

- LEGEND**
- Proposed PFTs
 - Existing Large PFTs
 - Existing CPFTs
 - Contours
 - Streams
 - Watermead Boundary
 - Watermead Boundary
 - Range Boundary
 - Division Boundary
 - Water Body
- Suitability Index**
- CC%>SCT% - Highly Suitable
 - CC%>SCT% - Moderately Suitable
 - CC%>SCT% - Least Suitable
 - PFTs - Highly Suitable
 - PFTs - Moderately Suitable
 - PFTs - Least Suitable
 - MFTs and CPFTs - Suitable
 - MFTs and CPFTs - Not Suitable
 - Water Body



Map Showing Catchment areas of Proposed Percolation Tanks of Bhainisa Range, Nirmal Division



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Bhainisa	10	10	3	5	7	35
						7

- 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 – Bhainsa Range

S. No.	Beat	Proposed PT's
1	DOWNELLY EAST	6
2	DOWNELLY NORTH	5
3	KANKATA	2
4	KUBEER	1
5	KUNTALA	6
6	MOGLI	6
7	OLA	6
8	PARDI	3
	Total	35

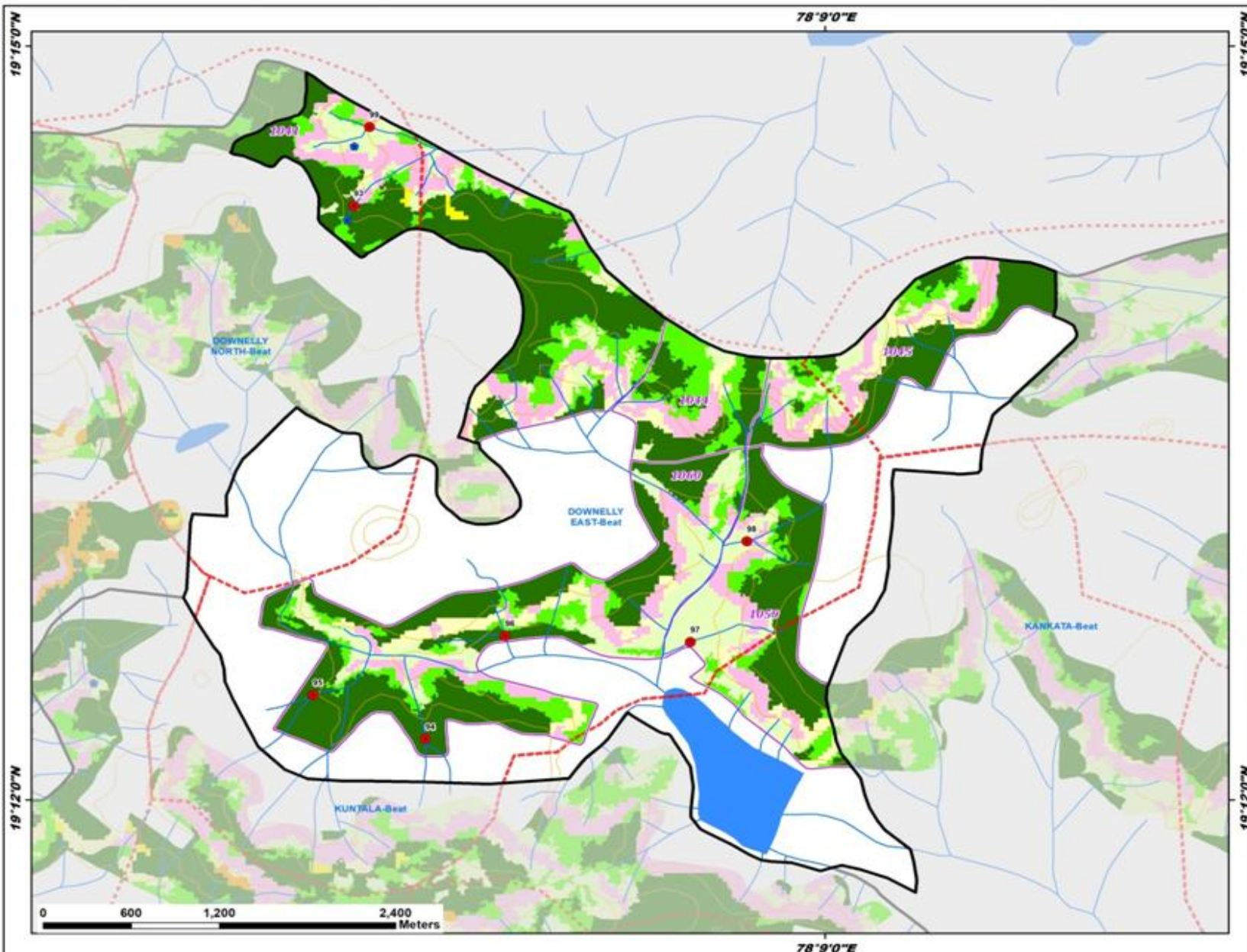
List of Proposed PTs – Bhainsa Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
1	19.190975	78.190454	14.61	II	KANKATA
2	19.199379	78.174719	18.79	IV	KANKATA
3	19.190383	78.132003	5.40	I	KUNTALA
4	19.185467	78.121483	11.28	I	KUNTALA
5	19.195649	78.109848	9.17	I	KUNTALA
6	19.196498	78.109472	9.14	I	KUNTALA
7	19.188785	78.131626	57.26	III	KUNTALA
8	19.190477	78.133516	28.11	V	KUNTALA
9	19.340013	77.944787	4.99	I	KUBEER
10	19.305653	77.989534	20.84	I	PARDI
11	19.298683	77.986381	13.07	II	PARDI
12	19.296342	78.002367	10.70	IV	PARDI
13	19.052724	77.809546	17.67	I	MOGLI
14	19.057382	77.813955	20.30	II	MOGLI
15	19.052373	77.816859	6.00	II	MOGLI
16	19.055603	77.807818	23.08	II	MOGLI
17	19.046566	77.828338	11.92	II	MOGLI
18	19.101108	77.813881	10.54	II	MOGLI
19	19.206867	78.118474	23.54	I	DOWNELLY EAST
20	19.212349	78.133464	18.26	II	DOWNELLY EAST
21	19.210827	78.130460	63.16	III	DOWNELLY EAST
22	19.216422	78.146686	30.70	V	DOWNELLY EAST
23	19.244434	78.122699	51.28	V	DOWNELLY EAST
24	19.210542	78.141885	43.84	V	DOWNELLY EAST
25	19.235432	78.093342	9.90	I	DOWNELLY NORTH
26	19.240841	78.102624	38.86	III	DOWNELLY NORTH
27	19.239802	78.102345	19.90	IV	DOWNELLY NORTH
28	19.225208	78.121518	75.22	V	DOWNELLY NORTH
29	19.234223	78.093715	46.12	V	DOWNELLY NORTH
30	19.237435	78.084543	17.42	I	OLA
31	19.217058	78.061739	24.65	II	OLA
32	19.233509	78.074528	10.11	II	OLA
33	19.227095	78.065719	22.88	IV	OLA
34	19.232991	78.071836	58.33	IV	OLA
35	19.235025	78.078352	76.25	V	OLA

Map Showing Suitability index for Construction of SMC Works of Downnelly East Beat



Division : Nirmal
Range : Bhainsa



ID	Latitude	Longitude	Area_ha	Priority
93	19.239396	78.121199	27.98	II
94	19.204044	78.125569	52.23	III
95	19.206960	78.118684	51.83	III
96	19.210879	78.130444	83.37	III
97	19.210478	78.141762	45.30	V
98	19.217148	78.145225	84.78	V
99	19.244622	78.122153	39.81	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 Downelly North Beat



Division : Nirmal
Range : Bhainsa

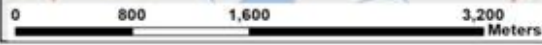
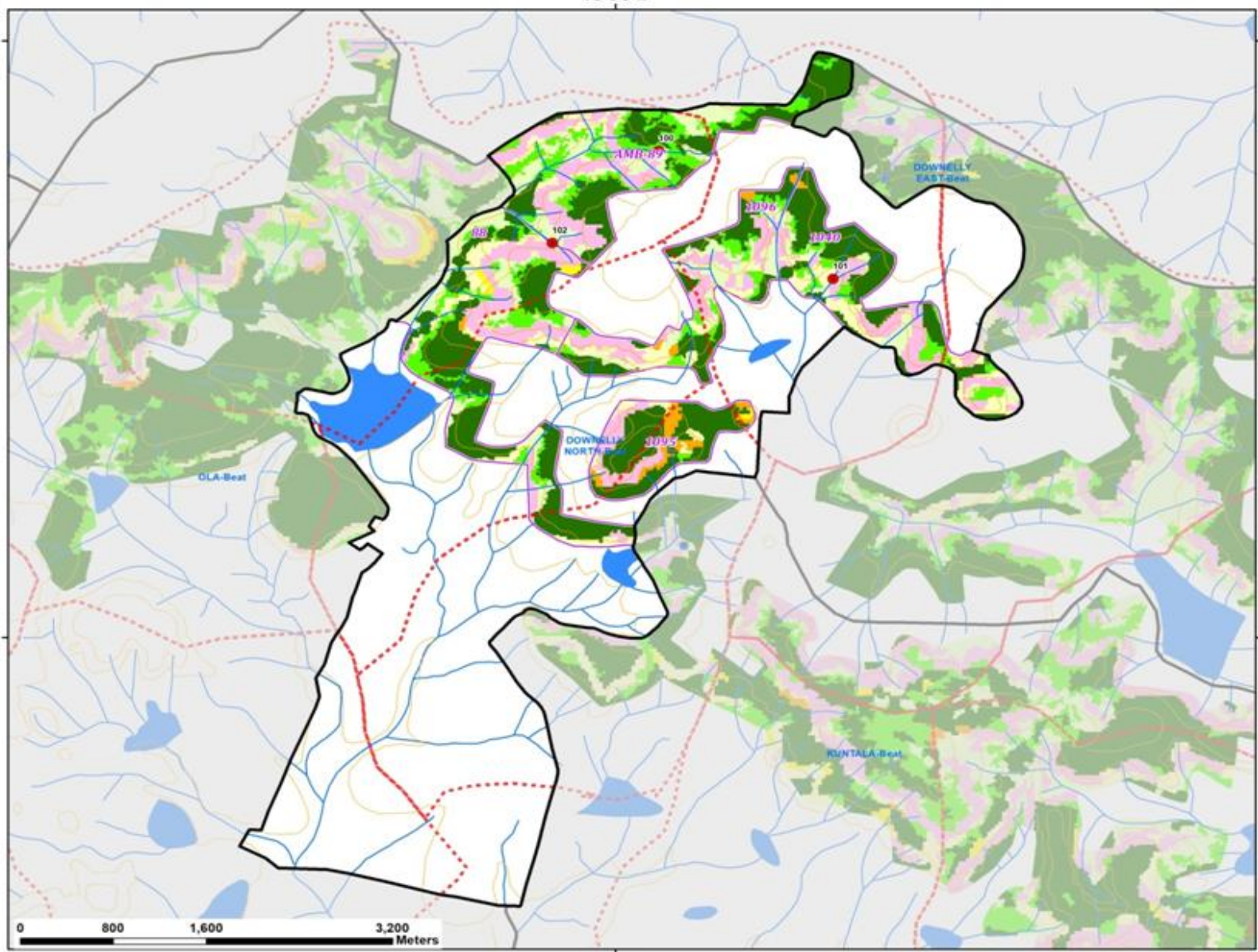
78°6'0"E

19°15'0"N

19°15'0"N

19°12'0"N

19°12'0"N



78°6'0"E

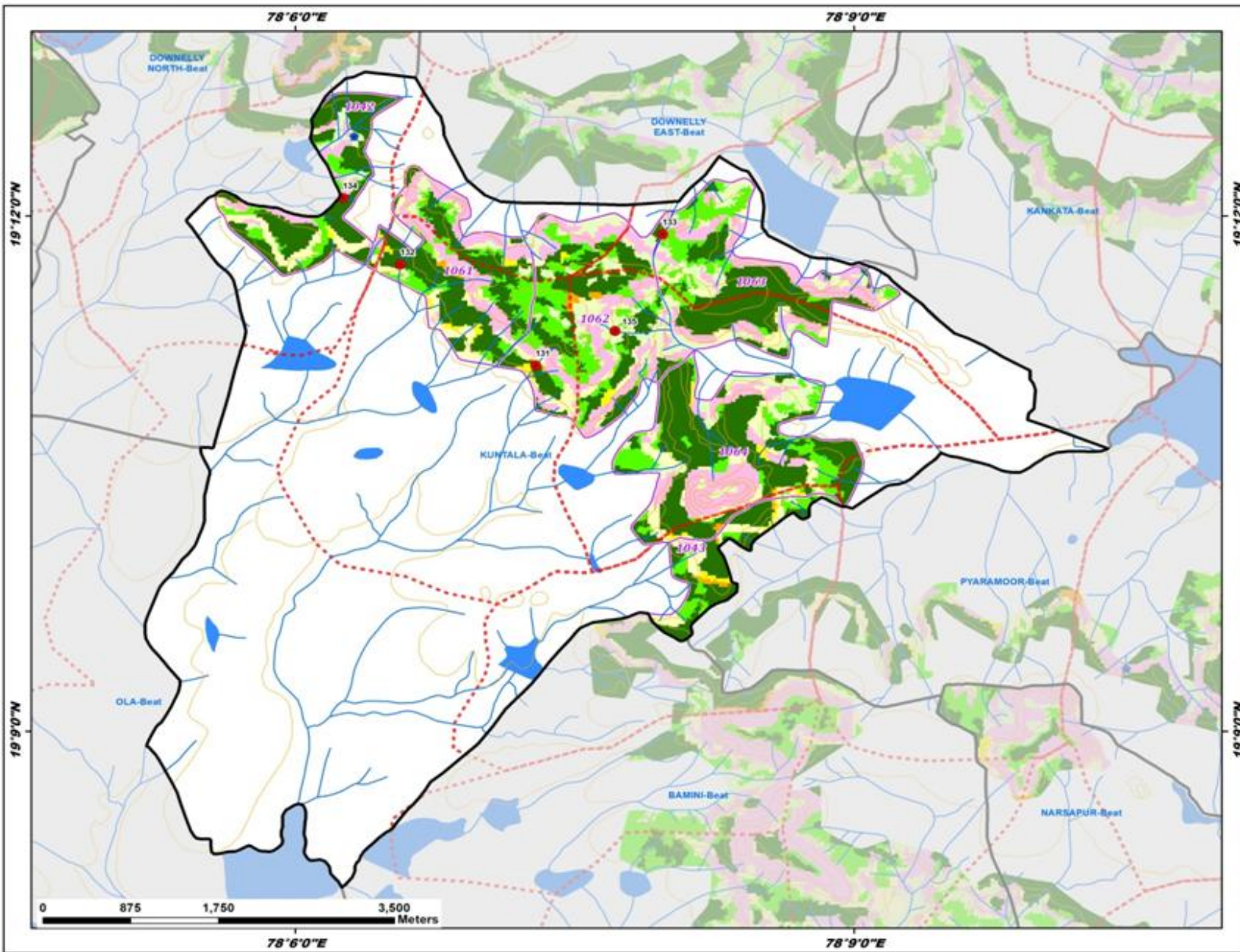
ID	Latitude	Longitude	Area_ha	Priority
100	19.240762	78.103360	34.18	V
101	19.230042	78.116818	41.61	V
102	19.233051	78.095120	39.54	V

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

Map Showing Suitability index for Construction of SMC Works of Kuntala Beat



Division : Nirmal
Range : Bhainsa



ID	Latitude	Longitude	Area_ha	Priority
131	19.185504	78.121509	11.61	I
132	19.195284	78.109405	10.19	I
133	19.198232	78.132869	18.94	I
134	19.201745	78.104289	12.20	I
135	19.188836	78.128620	42.96	V

Legend

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

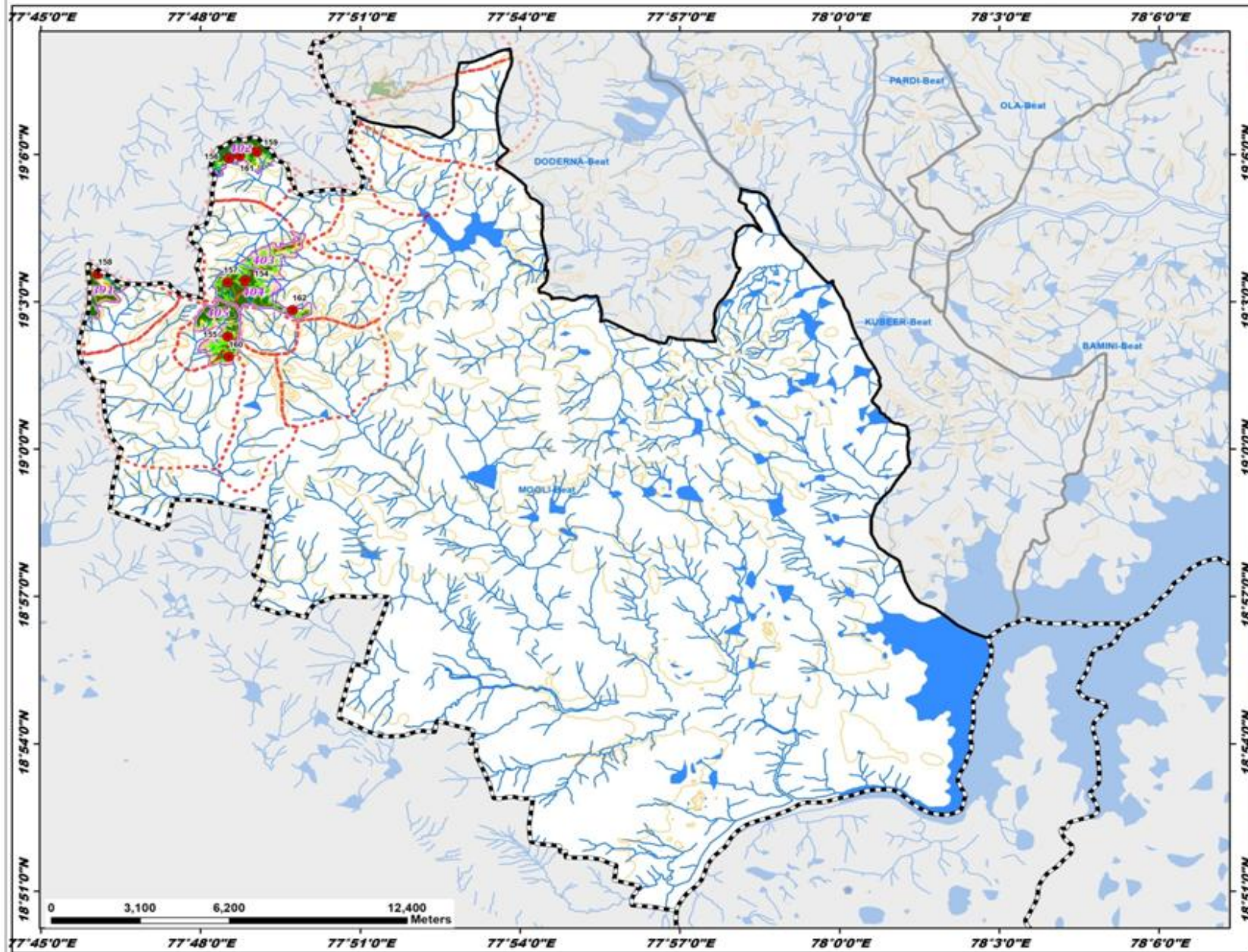
Suitability Index

- 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 Mogli Beat



Division : Nirmal
Range : Bhainsa



ID	Latitude	Longitude	Area_ha	Priority
154	19.057272	77.813919	16.82	II
155	19.038163	77.808525	15.65	II
156	19.098584	77.808958	30.57	III
157	19.056542	77.808389	59.35	III
158	19.059369	77.767945	12.55	IV
159	19.100782	77.817541	13.64	IV
160	19.031320	77.808867	13.41	IV
161	19.099565	77.812333	38.58	V
162	19.047107	77.828835	28.79	V

Legend

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

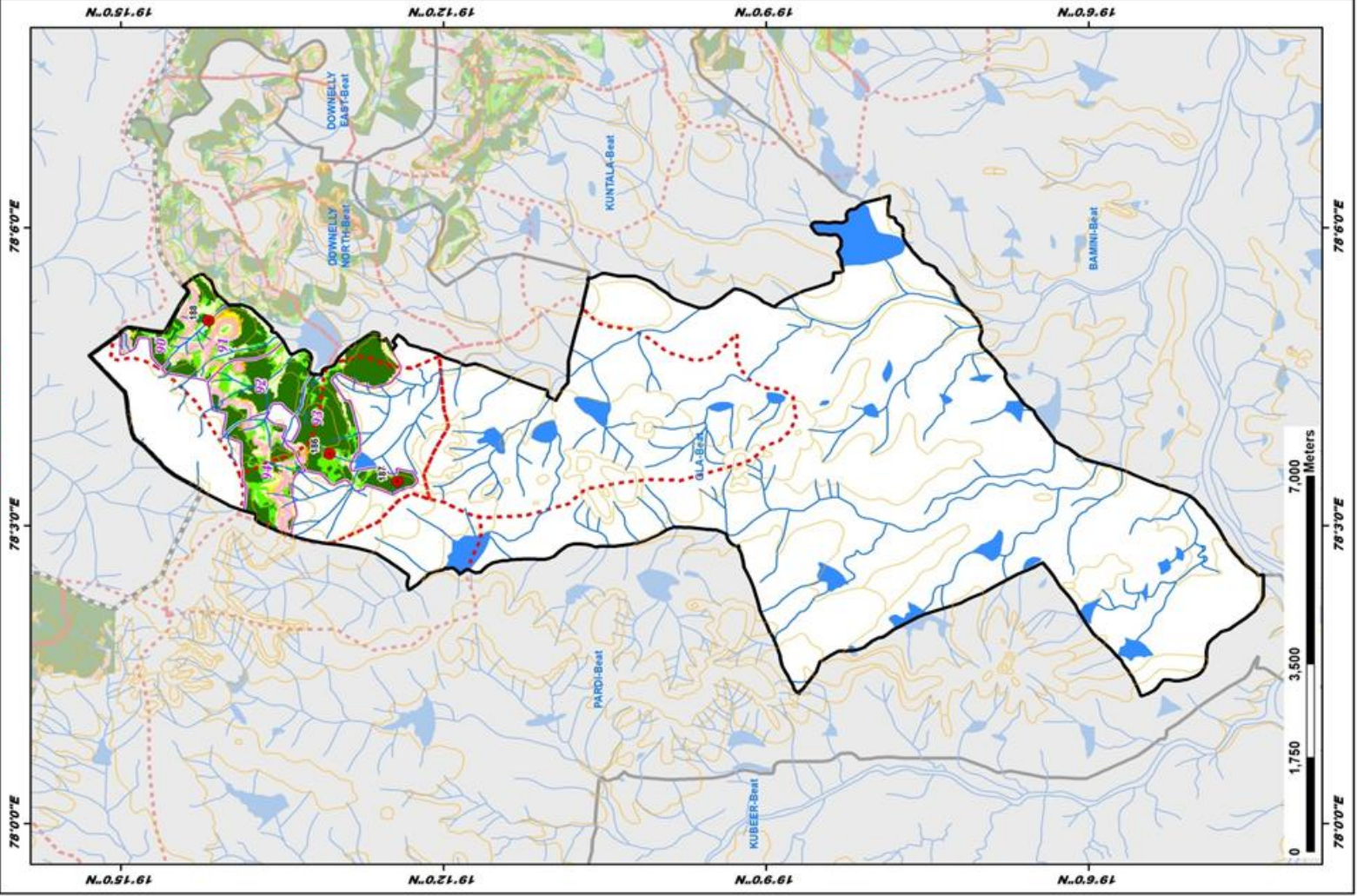
Suitability Index

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

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



Division : Nirmal
Range : Bhainsa



ID	Latitude	Longitude	Area_ha	Priority
186	19.217645	78.062116	16.11	I
187	19.207099	78.057450	28.53	II
188	19.236381	78.084469	21.35	IV

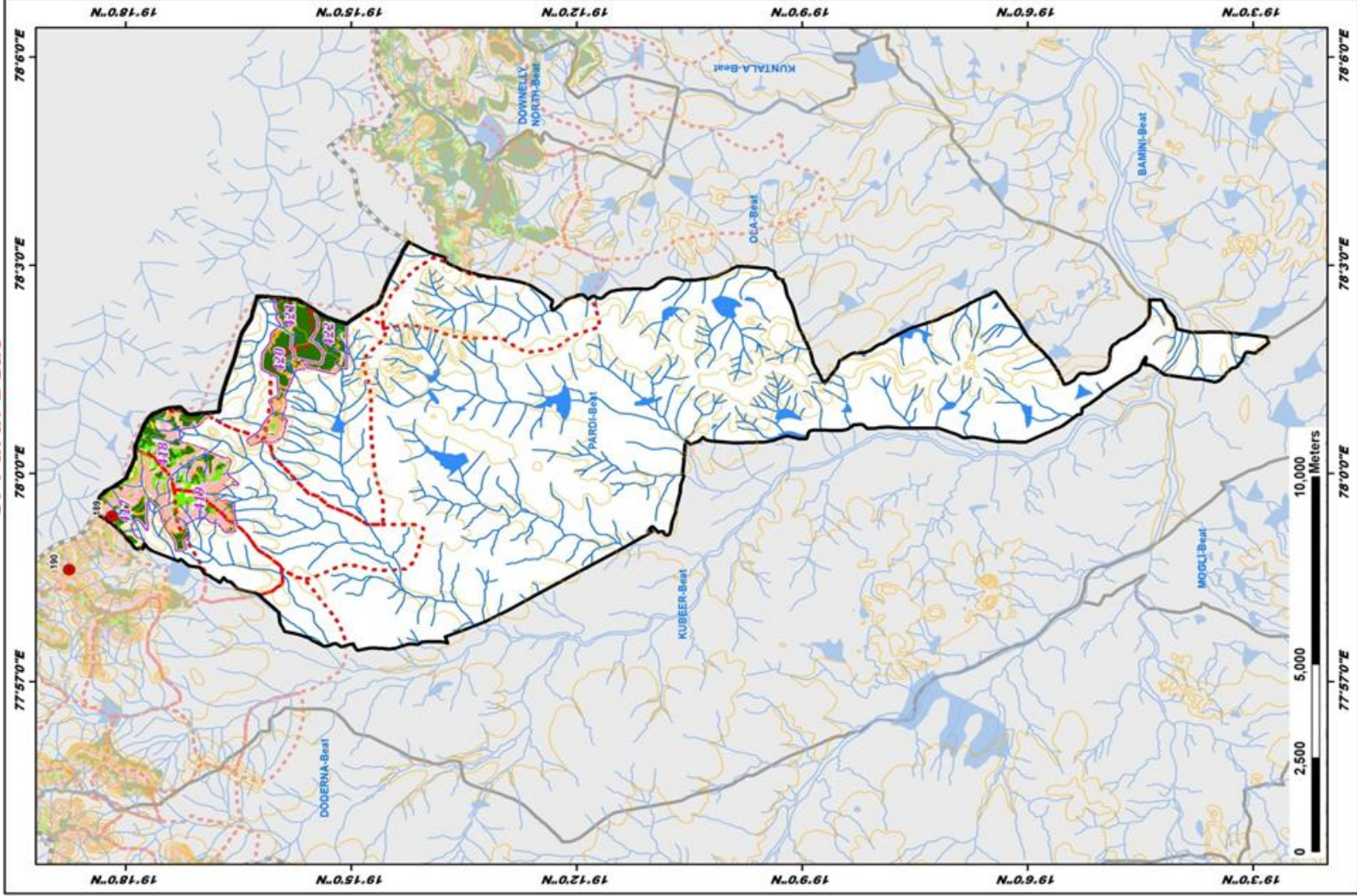
LEGEND

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

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



Division : Nirmal
Range : Bhainsa



ID	Latitude	Longitude	Area_ha	Priority
189	19.303046	77.969883	27.16	II
190	19.312501	77.977044	49.68	V

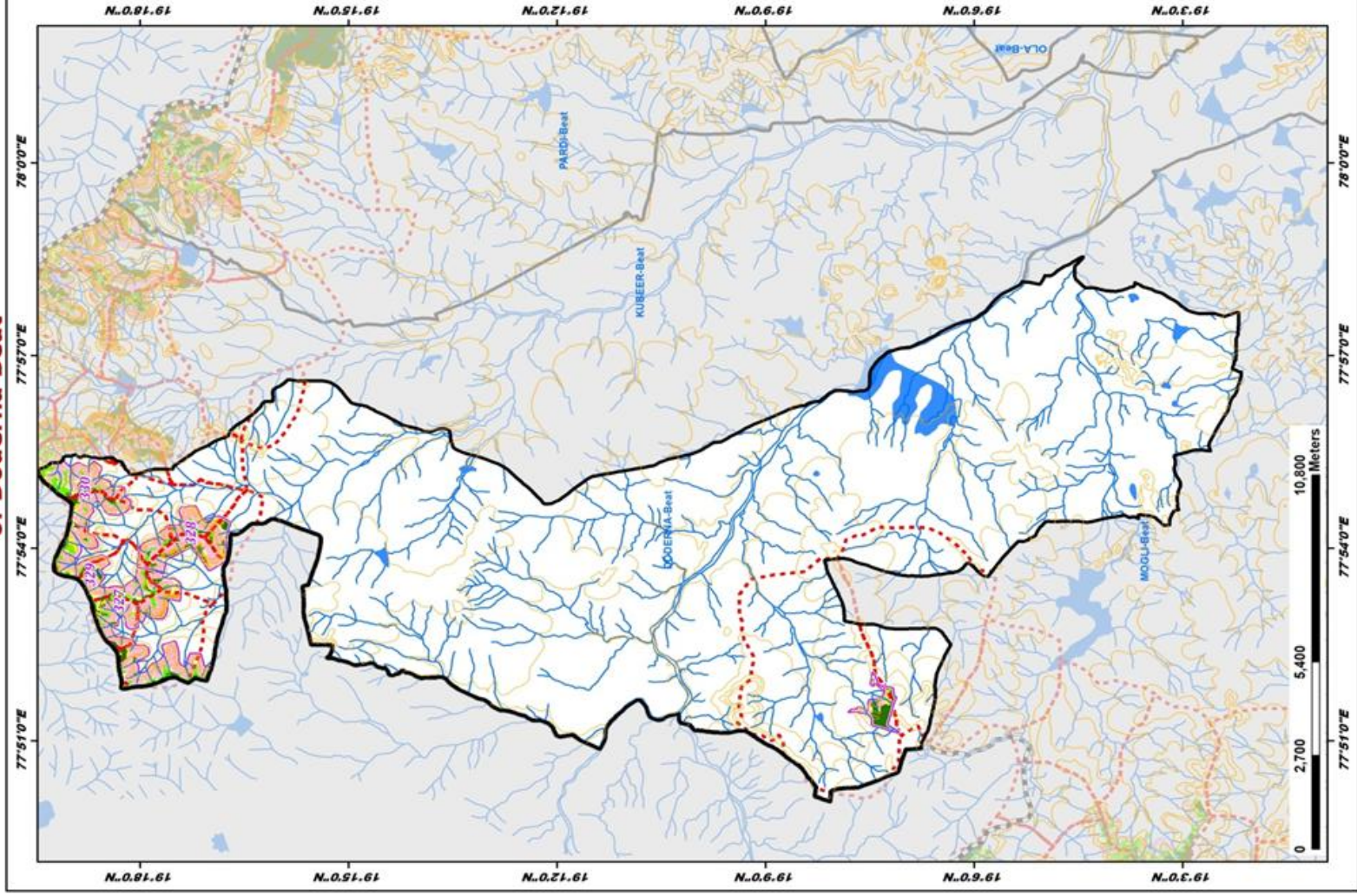
LEGEND

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



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

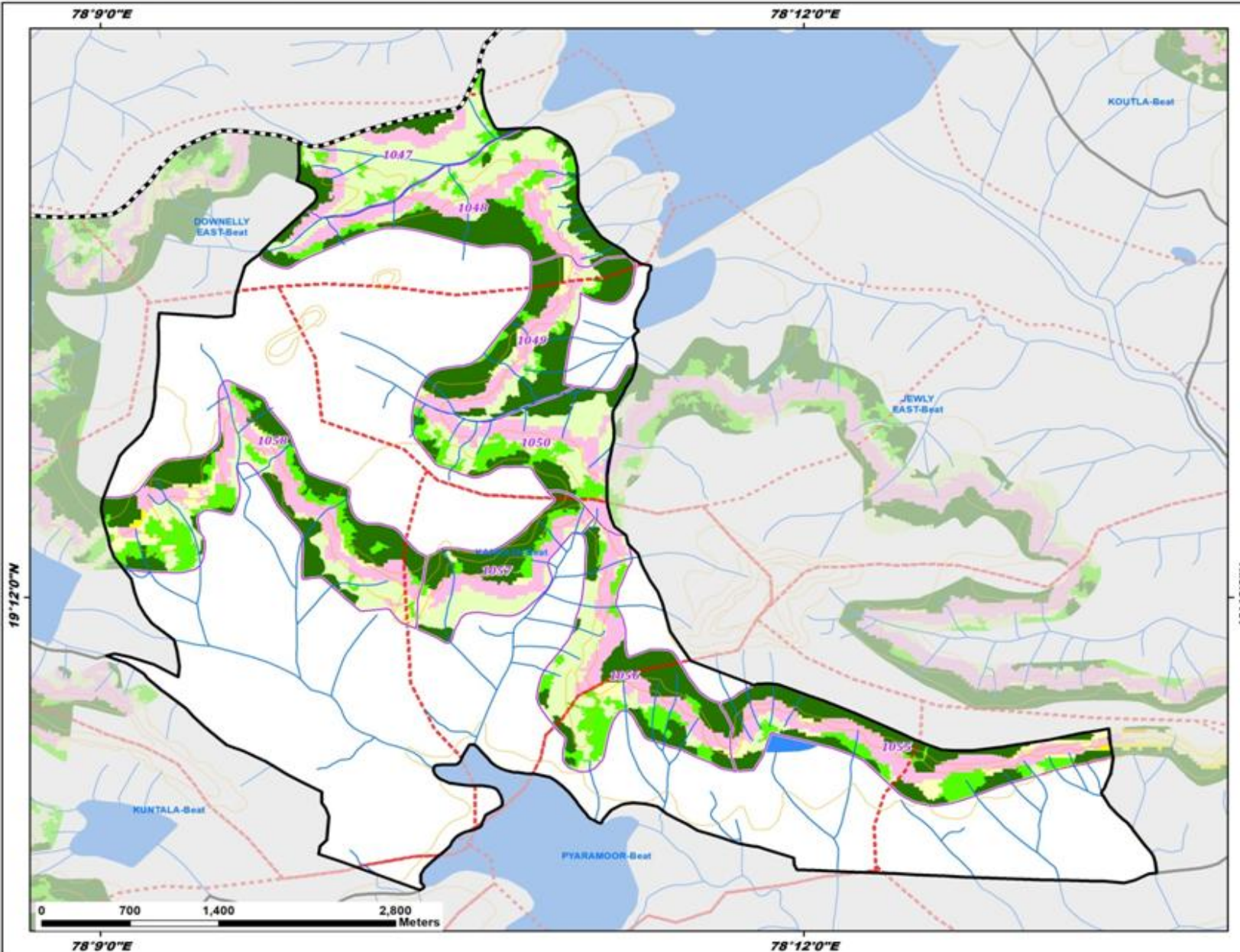
Division : Nirmal
Range : Bhainsa



Map Showing Suitability index for Construction of SMC Works of Kankata Beat



Division : Nirmal
Range : Bhainsa



Legend

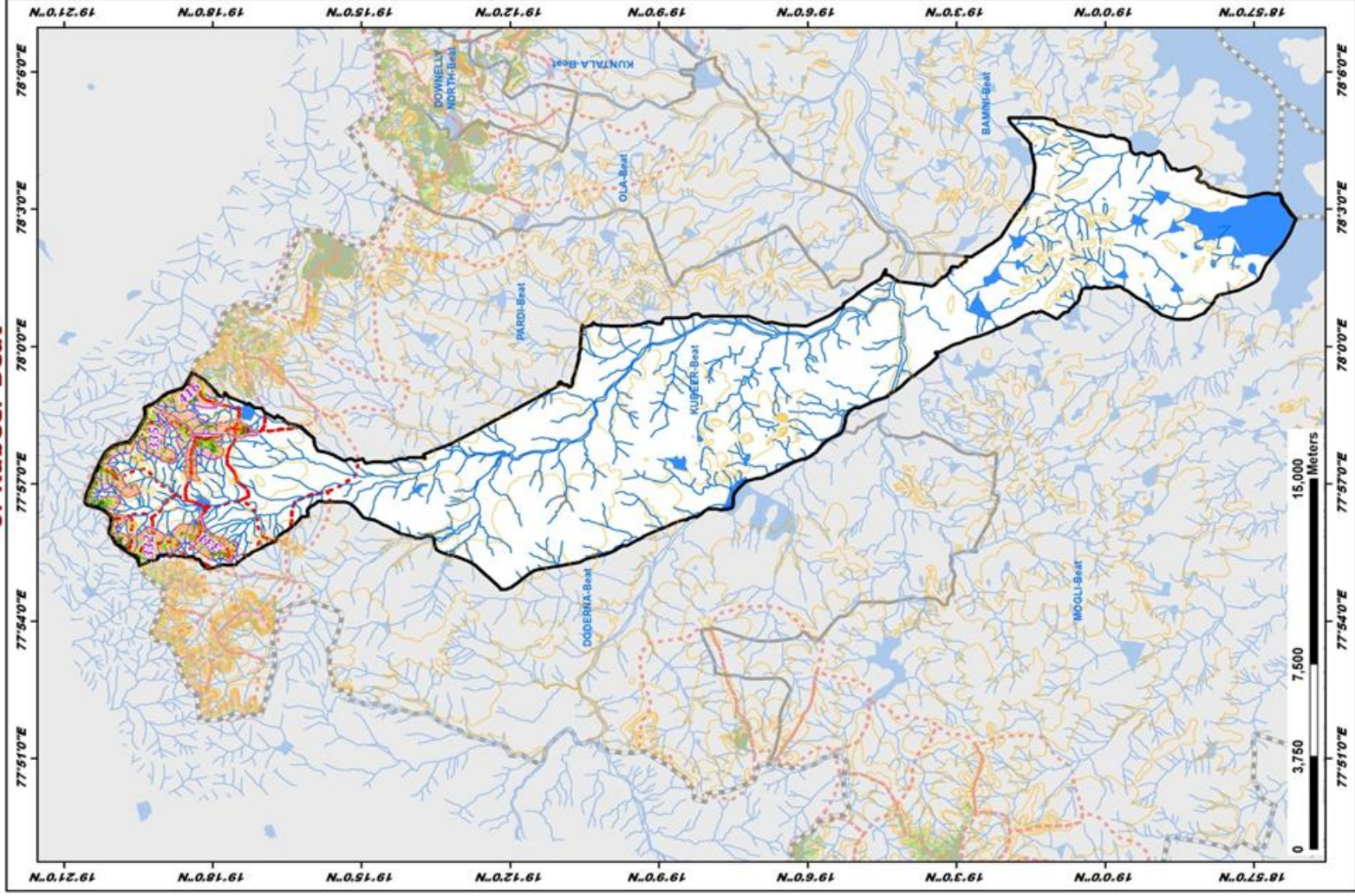
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable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



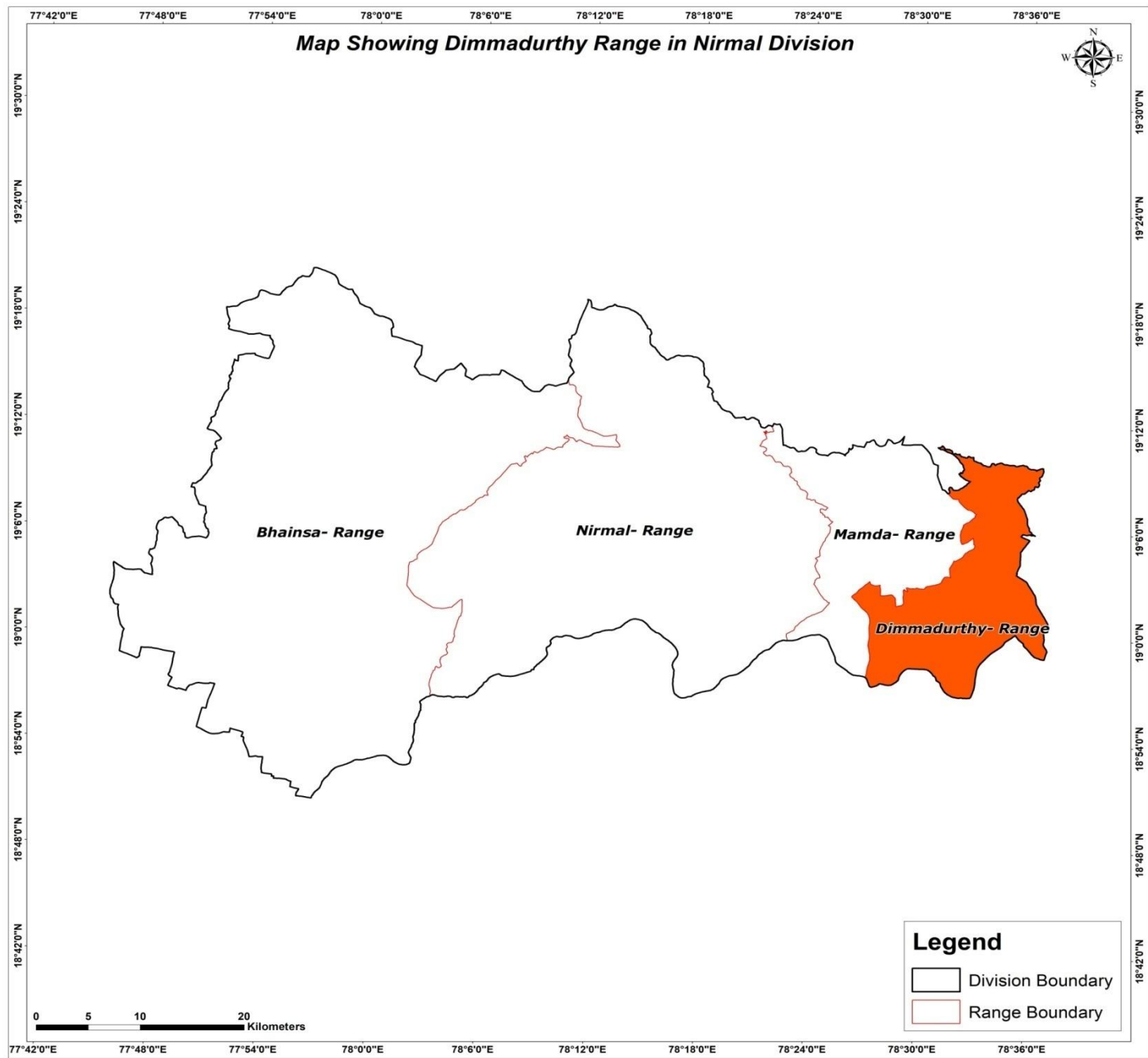


Map Showing Suitability Index for Construction of SMC Works of Kubeer Beat

Division : Nirmal
Range : Bhainsa



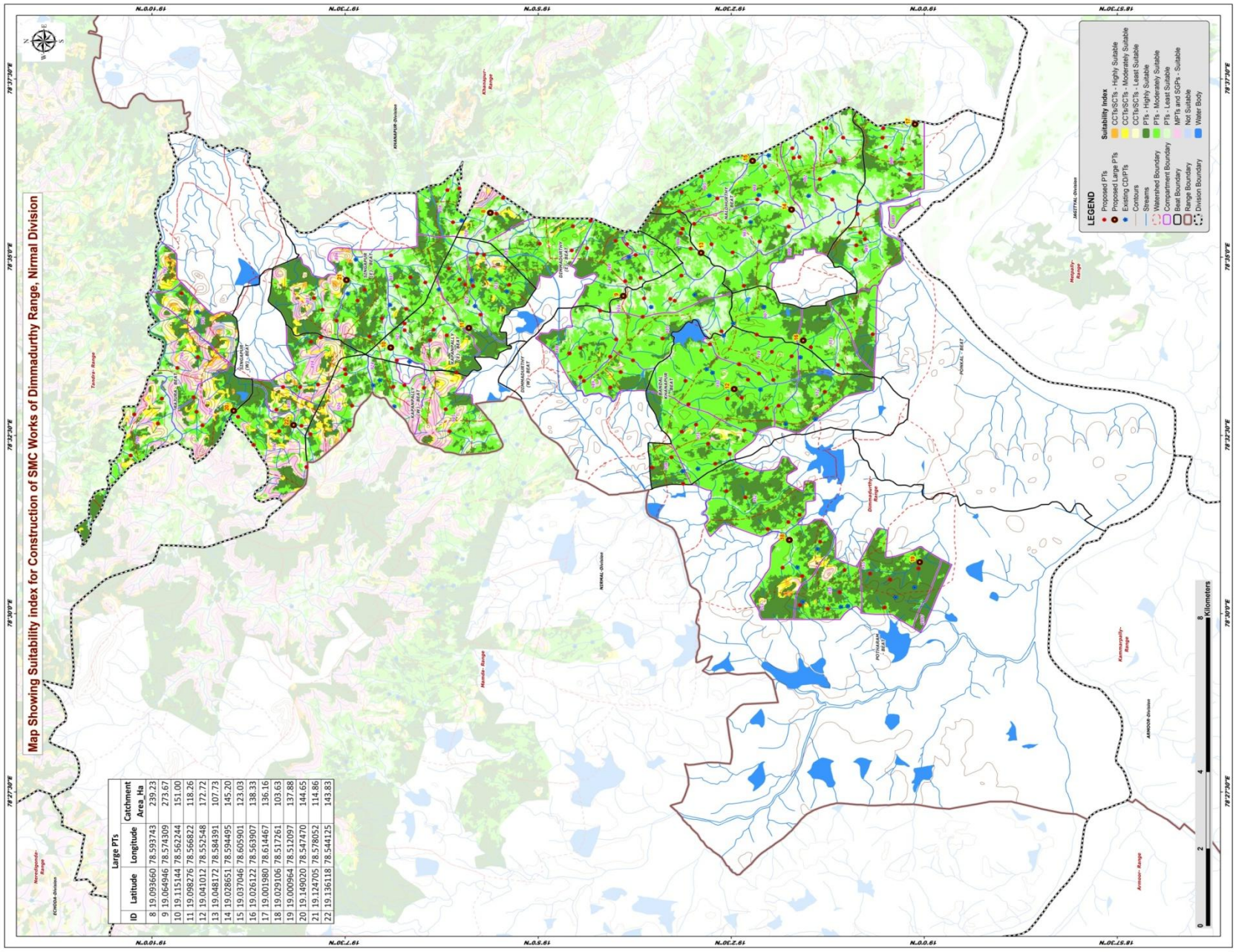
Map Showing Dimmadurthy Range in Nirmal Division



Legend

- Division Boundary
- Range Boundary

Map Showing Suitability Index for Construction of SMC Works of Dimmadurthy Range, Nirmal Division



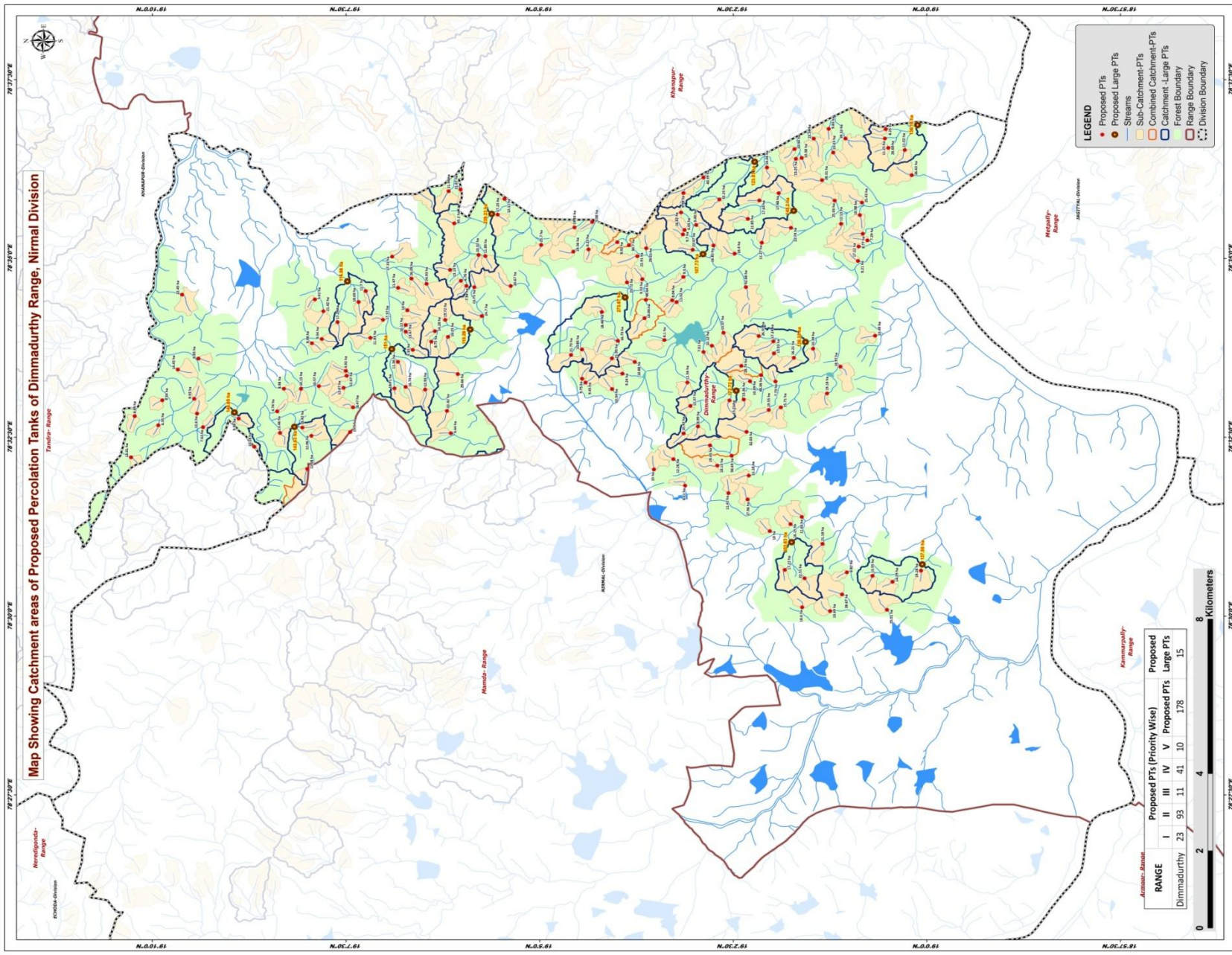
ID	Latitude	Longitude	Catchment Area Ha
8	19.093660	78.593743	239.23
9	19.064946	78.574309	273.67
10	19.115144	78.562244	151.00
11	19.088276	78.566822	118.26
12	19.041012	78.553548	172.72
13	19.048272	78.584391	107.73
14	19.028651	78.594495	145.20
15	19.037046	78.605901	123.03
16	19.026122	78.589907	138.33
17	19.001580	78.614467	136.16
18	19.029106	78.517261	103.63
19	19.000964	78.512097	137.88
20	19.149020	78.547470	144.65
21	19.124705	78.578052	114.86
22	19.136118	78.544125	143.83

- LEGEND**
- Proposed PTIs
 - Existing Large PTIs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Baral Boundary
 - Division Boundary
 - Water Body
- Suitability Index**
- CCTWSCIs - Highly Suitable
 - CCTWSCIs - Moderately Suitable
 - CCTWSCIs - Least Suitable
 - PTIs - Highly Suitable
 - PTIs - Moderately Suitable
 - PTIs - Least Suitable
 - PTIs and SMCs - Suitable
 - PTIs and SMCs - Not Suitable



Map showing the suitability index for construction of SMC works in the Dimmadurthy Range, Nirmal Division. The map includes a legend, a scale bar, and a table of Large PTIs. The map is color-coded according to the suitability index, with green representing highly suitable areas and yellow/orange representing moderately suitable areas. It also shows various geographical features like streams, contours, and boundaries. A legend in the top right corner explains the symbols and colors used. A scale bar and north arrow are also present.

Map Showing Catchment areas of Proposed Percolation Tanks of Dimmadurthy Range, Nirmal Division



Beat wise Abstract of Proposed PT's –Dimmadurthy Range

S. No.	Beat	Proposed PT's
1	BANDAL KHANAPUR	25
2	DIMMADURTHY EAST	13
3	DIMMADURTHY WEST	20
4	KAPANPALLY EAST	17
5	KAPANPALLY WEST	11
6	NALDHURTHY	24
7	PONKAL	15
8	POTHARAM	17
9	RAJURA	10
10	SINGAPUR EAST	15
11	SINGAPUR WEST	11
	Total	178

List of Proposed PTs – Dimmadurthy 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
36	19.071987	78.591866	5.08	II	DIMMADURTHY (E)	76	19.100281	78.578165	6.76	II	KAPANPALLY EAST	116	19.039931	78.558336	28.74	III	BANDAL KHANAPUR
37	19.062288	78.583899	22.91	II	DIMMADURTHY (E)	77	19.100942	78.556429	29.66	II	KAPANPALLY EAST	117	19.038813	78.542969	32.03	III	BANDAL KHANAPUR
38	19.066615	78.587181	8.92	II	DIMMADURTHY (E)	78	19.110660	78.562073	9.33	II	KAPANPALLY EAST	118	19.046645	78.539817	29.45	III	BANDAL KHANAPUR
39	19.075820	78.590615	19.44	II	DIMMADURTHY (E)	79	19.099105	78.576986	7.94	II	KAPANPALLY EAST	119	19.051531	78.554476	11.56	IV	BANDAL KHANAPUR
40	19.082998	78.586537	25.70	III	DIMMADURTHY (E)	80	19.095773	78.569953	24.70	IV	KAPANPALLY EAST	120	19.035675	78.556193	48.06	III	BANDAL KHANAPUR
41	19.061226	78.578536	9.53	IV	DIMMADURTHY (E)	81	19.112169	78.567875	10.12	IV	KAPANPALLY EAST	121	19.042016	78.537413	58.69	IV	BANDAL KHANAPUR
42	19.072813	78.585494	9.23	IV	DIMMADURTHY (E)	82	19.113832	78.559275	11.36	IV	KAPANPALLY EAST	122	19.041373	78.584508	18.40	II	NALDHURTHY
43	19.092354	78.593575	17.25	IV	DIMMADURTHY (E)	83	19.105865	78.566441	14.28	IV	KAPANPALLY EAST	123	19.028173	78.606593	13.25	II	NALDHURTHY
44	19.076086	78.584968	19.56	IV	DIMMADURTHY (E)	84	19.112154	78.566319	13.67	IV	KAPANPALLY EAST	124	19.035531	78.587043	11.27	II	NALDHURTHY
45	19.064526	78.577791	23.72	IV	DIMMADURTHY (E)	85	19.103650	78.569065	19.72	IV	KAPANPALLY EAST	125	19.045922	78.586402	16.81	II	NALDHURTHY
46	19.090892	78.597254	13.11	IV	DIMMADURTHY (E)	86	19.124119	78.542932	15.50	I	KAPANPALLY WEST	126	19.049649	78.591192	9.49	II	NALDHURTHY
47	19.060399	78.585748	29.01	V	DIMMADURTHY (E)	87	19.125062	78.557189	4.92	I	KAPANPALLY WEST	127	19.052380	78.598628	9.78	II	NALDHURTHY
48	19.064137	78.586457	30.70	V	DIMMADURTHY (E)	88	19.132468	78.542038	12.06	I	KAPANPALLY WEST	128	19.052894	78.594089	16.82	II	NALDHURTHY
49	19.065520	78.556533	9.24	II	DIMMADURTHY (W)	89	19.114588	78.553090	18.71	II	KAPANPALLY WEST	129	19.022552	78.601619	28.31	III	NALDHURTHY
50	19.054798	78.573636	8.04	II	DIMMADURTHY (W)	90	19.112184	78.553434	16.74	II	KAPANPALLY WEST	130	19.038947	78.576701	42.68	III	NALDHURTHY
51	19.067773	78.560108	21.95	II	DIMMADURTHY (W)	91	19.102422	78.542664	9.44	II	KAPANPALLY WEST	131	19.038506	78.592597	22.85	IV	NALDHURTHY
52	19.066506	78.564173	16.73	II	DIMMADURTHY (W)	92	19.107974	78.552822	12.93	II	KAPANPALLY WEST	132	19.028471	78.608886	10.34	IV	NALDHURTHY
53	19.067737	78.552937	10.34	II	DIMMADURTHY (W)	93	19.125521	78.553221	12.47	II	KAPANPALLY WEST	133	19.021121	78.613582	9.83	IV	NALDHURTHY
54	19.062864	78.559266	10.88	II	DIMMADURTHY (W)	94	19.124870	78.556032	12.67	II	KAPANPALLY WEST	134	19.026945	78.606789	10.38	IV	NALDHURTHY
55	19.074196	78.555343	9.75	II	DIMMADURTHY (W)	95	19.123485	78.548664	8.47	II	KAPANPALLY WEST	135	19.024332	78.611291	23.54	IV	NALDHURTHY
56	19.050382	78.585397	22.47	II	DIMMADURTHY (W)	96	19.103272	78.547857	22.42	IV	KAPANPALLY WEST	136	19.034414	78.604577	14.04	IV	NALDHURTHY
57	19.076565	78.560897	21.73	II	DIMMADURTHY (W)	97	19.054557	78.536613	12.26	II	BANDAL KHANAPUR	137	19.018456	78.591463	11.13	IV	NALDHURTHY
58	19.052143	78.590023	6.65	II	DIMMADURTHY (W)	98	19.049266	78.544247	8.99	II	BANDAL KHANAPUR	138	19.020155	78.608059	15.23	IV	NALDHURTHY
59	19.052499	78.588978	9.70	II	DIMMADURTHY (W)	99	19.050899	78.549020	12.37	II	BANDAL KHANAPUR	139	19.031876	78.598575	17.48	IV	NALDHURTHY
60	19.073468	78.554455	9.45	II	DIMMADURTHY (W)	100	19.048063	78.561593	7.81	II	BANDAL KHANAPUR	140	19.036043	78.596906	17.65	IV	NALDHURTHY
61	19.074217	78.562168	10.85	II	DIMMADURTHY (W)	101	19.058733	78.534208	15.00	II	BANDAL KHANAPUR	141	19.029240	78.590506	22.74	IV	NALDHURTHY
62	19.060755	78.569461	19.99	II	DIMMADURTHY (W)	102	19.052024	78.530437	6.11	II	BANDAL KHANAPUR	142	19.019824	78.596854	25.03	V	NALDHURTHY
63	19.056479	78.564369	8.10	II	DIMMADURTHY (W)	103	19.045096	78.535093	18.15	II	BANDAL KHANAPUR	143	19.017496	78.611318	39.32	V	NALDHURTHY
64	19.052391	78.579074	9.30	II	DIMMADURTHY (W)	104	19.046250	78.563036	10.12	II	BANDAL KHANAPUR	144	19.048063	78.602270	40.39	V	NALDHURTHY
65	19.069951	78.570879	18.46	II	DIMMADURTHY (W)	105	19.052349	78.542592	10.92	II	BANDAL KHANAPUR	145	19.044649	78.597125	32.25	V	NALDHURTHY
66	19.053848	78.573214	11.32	IV	DIMMADURTHY (W)	106	19.021466	78.551938	19.18	II	BANDAL KHANAPUR	146	19.012773	78.587590	7.29	I	PONKAL
67	19.043753	78.566071	13.07	IV	DIMMADURTHY (W)	107	19.039410	78.550520	13.36	II	BANDAL KHANAPUR	147	19.013757	78.589134	8.77	II	PONKAL
68	19.060457	78.573730	48.64	V	DIMMADURTHY (W)	108	19.031425	78.548667	15.71	II	BANDAL KHANAPUR	148	19.018596	78.558178	18.97	II	PONKAL
69	19.106645	78.563990	8.75	I	KAPANPALLY EAST	109	19.028623	78.560233	16.21	II	BANDAL KHANAPUR	149	19.024476	78.562350	10.39	II	PONKAL
70	19.096481	78.584173	10.32	I	KAPANPALLY EAST	110	19.038033	78.554764	10.49	II	BANDAL KHANAPUR	150	19.011144	78.565381	13.49	II	PONKAL
71	19.089569	78.576945	20.67	II	KAPANPALLY EAST	111	19.042476	78.550310	15.21	II	BANDAL KHANAPUR	151	19.014660	78.586146	17.22	II	PONKAL
72	19.095008	78.583942	11.89	II	KAPANPALLY EAST	112	19.034020	78.548070	19.55	II	BANDAL KHANAPUR	152	19.036170	78.565293	26.91	III	PONKAL
73	19.102600	78.580718	13.15	II	KAPANPALLY EAST	113	19.032888	78.561265	15.33	II	BANDAL KHANAPUR	153	19.003244	78.602779	26.63	III	PONKAL
74	19.103061	78.565087	16.25	II	KAPANPALLY EAST	114	19.033032	78.564052	17.24	II	BANDAL KHANAPUR	154	19.014410	78.593470	10.98	IV	PONKAL
75	19.097380	78.576668	13.75	II	KAPANPALLY EAST	115	19.032576	78.554710	7.73	II	BANDAL KHANAPUR	155	19.009011	78.611325	11.25	IV	PONKAL

List of Proposed PTs – Dimmadurthy Range

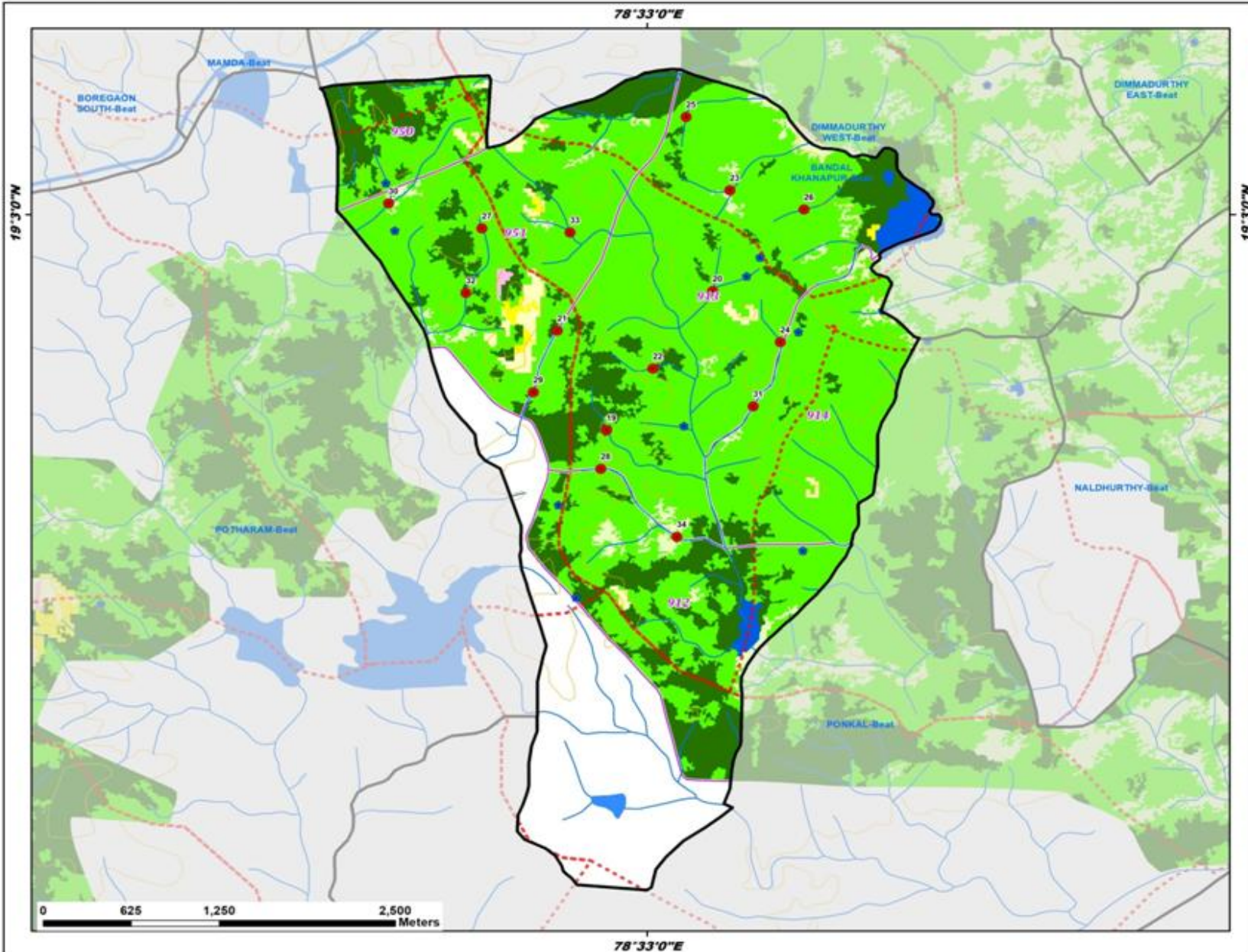
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
156	19.014803	78.582798	8.21	IV	PONKAL
157	19.004724	78.608655	11.02	IV	PONKAL
158	19.008846	78.613493	8.25	IV	PONKAL
159	19.013969	78.596393	25.43	V	PONKAL
160	19.008272	78.609149	26.68	V	PONKAL
161	19.026321	78.508850	22.51	I	POTHARAM
162	19.011678	78.509422	13.55	I	POTHARAM
163	19.007387	78.508020	14.29	I	POTHARAM
164	19.017213	78.510246	6.82	I	POTHARAM
165	19.020816	78.501202	13.69	I	POTHARAM
166	19.026823	78.502085	18.60	I	POTHARAM
167	19.001245	78.510628	19.28	I	POTHARAM
168	19.026905	78.523145	11.66	I	POTHARAM
169	19.022445	78.516867	21.18	II	POTHARAM
170	19.018241	78.505091	28.67	II	POTHARAM
171	19.030576	78.510800	17.22	II	POTHARAM
172	19.029325	78.521468	16.15	II	POTHARAM
173	19.033800	78.519837	10.00	II	POTHARAM
174	19.038307	78.532785	11.18	II	POTHARAM
175	19.042690	78.528707	11.41	II	POTHARAM
176	19.038576	78.527243	17.96	II	POTHARAM
177	19.008581	78.501507	25.91	III	POTHARAM
178	19.156781	78.560052	6.65	I	RAJURA
179	19.165412	78.544515	6.35	I	RAJURA
180	19.157699	78.550681	8.93	I	RAJURA
181	19.164541	78.550333	9.34	II	RAJURA
182	19.170488	78.546646	8.89	II	RAJURA
183	19.157065	78.547224	12.60	II	RAJURA
184	19.171278	78.537034	13.01	II	RAJURA
185	19.160299	78.574956	22.45	II	RAJURA
186	19.161197	78.557499	14.45	IV	RAJURA
187	19.155797	78.544061	7.62	IV	RAJURA
188	19.117051	78.569085	17.37	I	SINGAPUR EAST
189	19.120770	78.575793	11.70	I	SINGAPUR EAST
190	19.131712	78.573844	5.41	II	SINGAPUR EAST
191	19.111808	78.571319	14.00	II	SINGAPUR EAST
192	19.119758	78.564883	11.83	II	SINGAPUR EAST
193	19.126824	78.568536	17.29	II	SINGAPUR EAST
194	19.113799	78.576525	11.47	II	SINGAPUR EAST
195	19.100368	78.599437	21.67	II	SINGAPUR EAST

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
196	19.122314	78.573248	18.69	II	SINGAPUR EAST
197	19.110934	78.578686	26.09	III	SINGAPUR EAST
198	19.115082	78.583796	17.31	IV	SINGAPUR EAST
199	19.102927	78.599037	21.99	IV	SINGAPUR EAST
200	19.129884	78.571097	21.42	IV	SINGAPUR EAST
201	19.107673	78.577459	24.93	IV	SINGAPUR EAST
202	19.101726	78.591558	45.20	V	SINGAPUR EAST
203	19.144766	78.539516	10.18	I	SINGAPUR WEST
204	19.132352	78.563611	8.08	I	SINGAPUR WEST
205	19.130225	78.564592	9.54	I	SINGAPUR WEST
206	19.138386	78.553016	8.98	I	SINGAPUR WEST
207	19.134703	78.552993	10.15	II	SINGAPUR WEST
208	19.134408	78.543975	10.42	II	SINGAPUR WEST
209	19.139816	78.547740	4.74	II	SINGAPUR WEST
210	19.139195	78.542718	13.46	II	SINGAPUR WEST
211	19.130849	78.553607	10.57	II	SINGAPUR WEST
212	19.148123	78.546058	9.98	IV	SINGAPUR WEST
213	19.133334	78.534330	11.04	IV	SINGAPUR WEST

Map Showing Suitability index for Construction of SMC Works of Bandal Khanapur Beat



Division : Nirmal
Range : Dimmadurthy



ID	Latitude	Longitude	Area_ha	Priority
19	19.035075	78.547419	12.72	I
20	19.044689	78.554178	22.11	II
21	19.041973	78.544266	15.67	II
22	19.039342	78.550364	12.53	II
23	19.051674	78.555282	22.04	II
24	19.041171	78.558504	11.37	II
25	19.056740	78.552487	10.97	II
26	19.050346	78.560014	11.45	II
27	19.049044	78.539463	15.18	II
28	19.032400	78.547048	11.14	II
29	19.037697	78.542741	23.54	II
30	19.050776	78.533500	47.43	III
31	19.036722	78.556759	29.78	III
32	19.044583	78.538436	26.17	III
33	19.048748	78.545083	32.53	III
34	19.027706	78.551889	55.17	IV

Legend

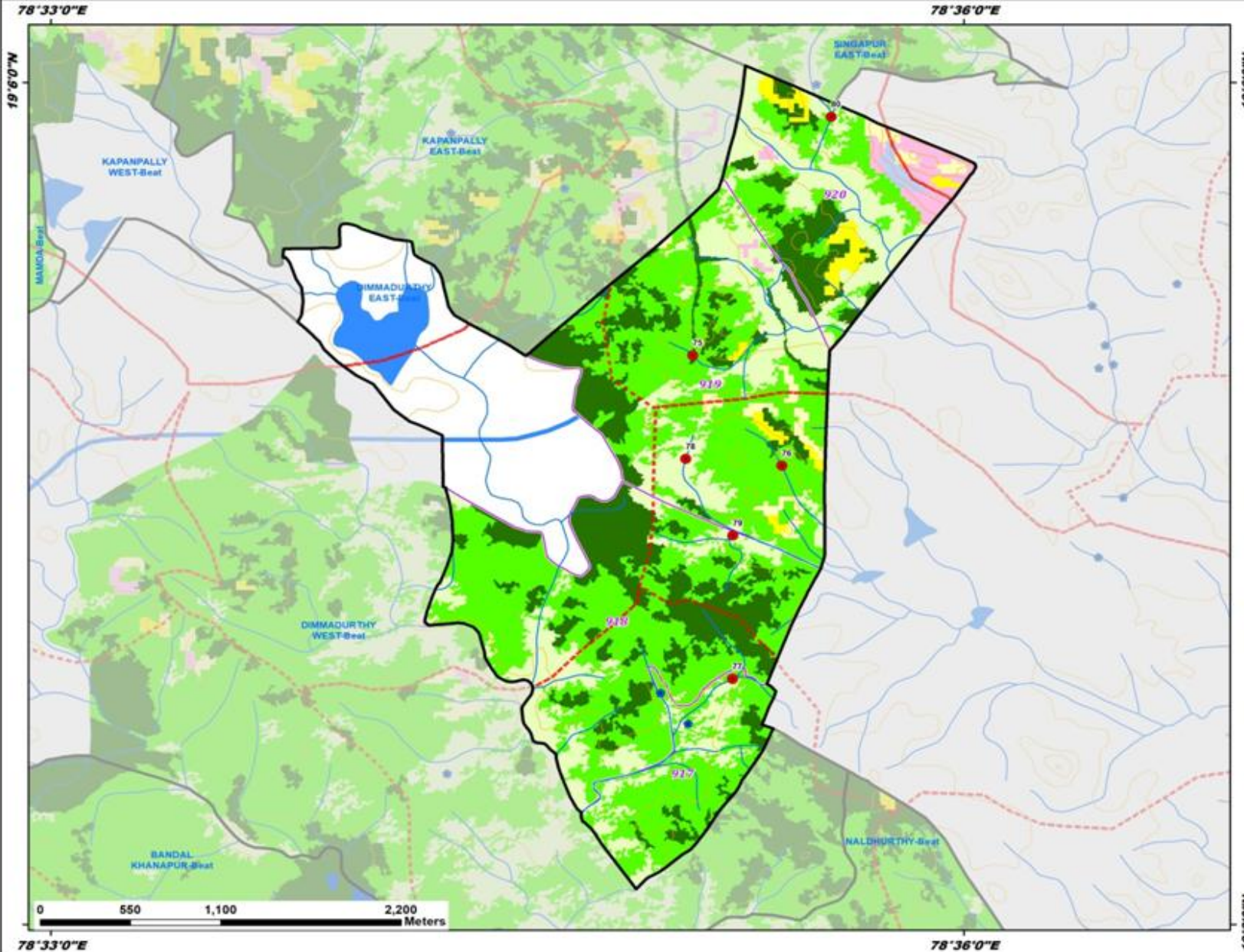
- Proposed PTs
 - Existing CD/PTs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
- ### Suitability Index
- CCTs/SCTs - Highly Suitable
 - CCTs/SCTs - Moderately Suitable
 - CCTs/SCTs - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately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

0 625 1,250 2,500 Meters

Map Showing Suitability index for Construction of SMC Works of Dimmadurthy East Beat



Division : Nirmal
Range : Dimmadurthy



ID	Latitude	Longitude	Area_ha	Priority
75	19.083796	78.585160	15.99	I
76	19.077239	78.590041	14.64	II
77	19.064589	78.587330	28.20	III
78	19.077654	78.584769	14.01	IV
79	19.073100	78.587345	24.96	IV
80	19.097964	78.592733	77.23	V

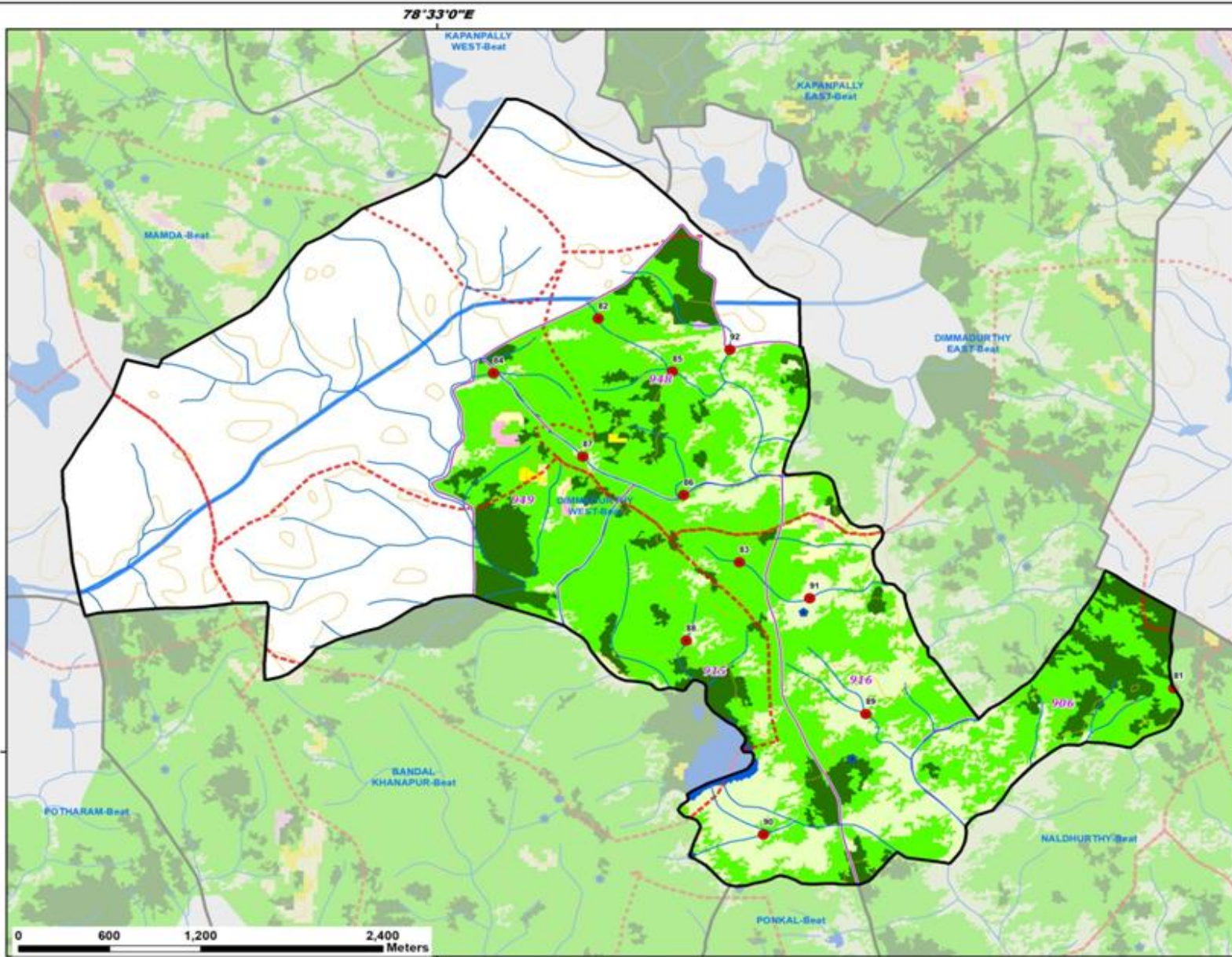
Legend

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

Map Showing Suitability index for Construction of SMC Works of Dimmadurthy West Beat



Division : Nirmal
Range : Dimmadurthy



ID	Latitude	Longitude	Area_ha	Priority
81	19.054089	78.593604	13.65	II
82	19.077820	78.559533	12.49	II
83	19.062177	78.567884	11.58	II
84	19.074322	78.553329	21.50	II
85	19.074413	78.563924	33.11	III
86	19.066479	78.564593	44.32	III
87	19.068962	78.558629	12.95	IV
88	19.057133	78.564750	13.61	IV
89	19.052439	78.575376	36.69	V
90	19.044700	78.569307	38.42	V
91	19.059864	78.572045	26.69	V
92	19.075826	78.567328	39.34	V

Legend

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 - PTs - Moderately Suitable
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 - Not Suitable
 - Water Body

19°3'0"N

19°3'0"N

78°33'0"E

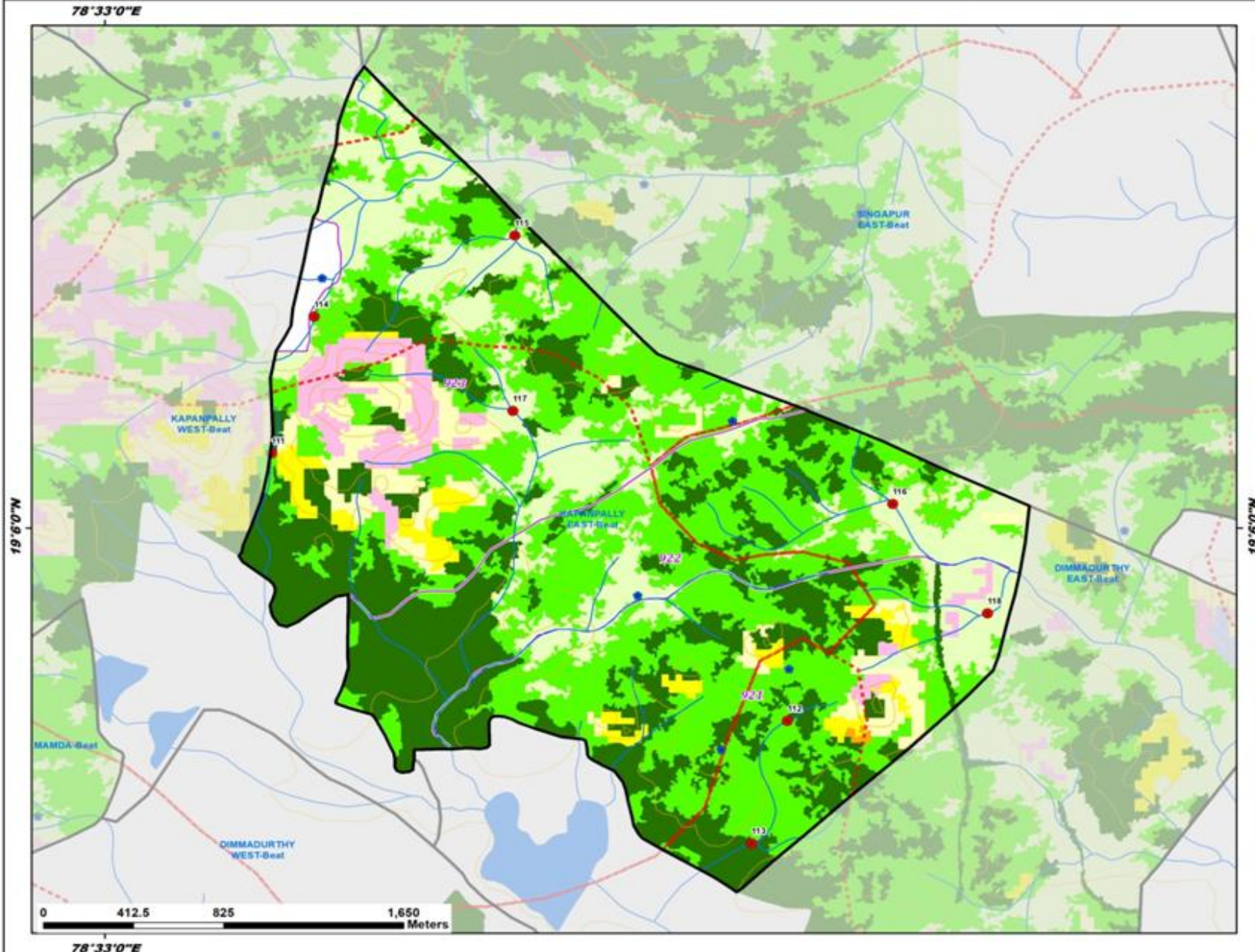
78°33'0"E

0 600 1,200 2,400 Meters

Map Showing Suitability index for Construction of SMC Works of Kapanpally East Beat



Division : Nirmal
Range : Dimmadhurthy



ID	Latitude	Longitude	Area_ha	Priority
111	19.103324	78.556869	13.00	I
112	19.091387	78.578085	11.63	II
113	19.085928	78.576613	54.18	III
114	19.109421	78.558617	28.98	III
115	19.113039	78.566869	28.62	V
116	19.101070	78.582413	50.37	V
117	19.105213	78.566788	32.65	V
118	19.096187	78.586307	35.75	V

Legend

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

Map Showing Suitability index for Construction of SMC Works of Kapanpally West Beat



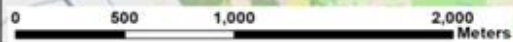
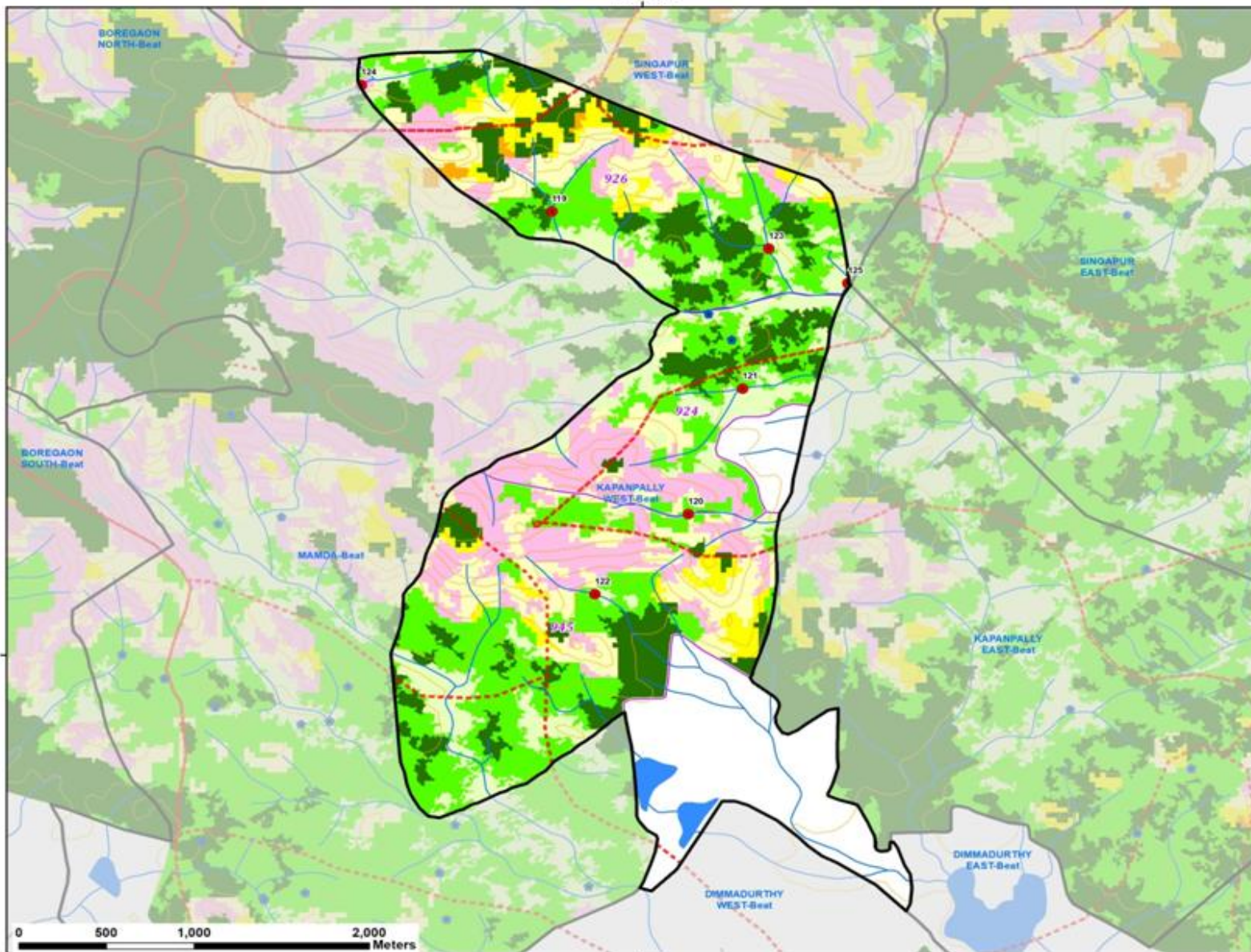
Division : Nirmal
Range : Dimmadhurthy

78°33'0"E

78°33'0"E

19°6'0"N

19°6'0"N



ID	Latitude	Longitude	Area_ha	Priority
119	19.124635	78.545363	33.27	II
120	19.107828	78.552353	12.24	II
121	19.114803	78.555135	44.99	III
122	19.103376	78.547564	19.93	IV
123	19.122585	78.556482	54.64	V
124	19.131676	78.535596	33.06	V
125	19.120658	78.560540	40.15	V

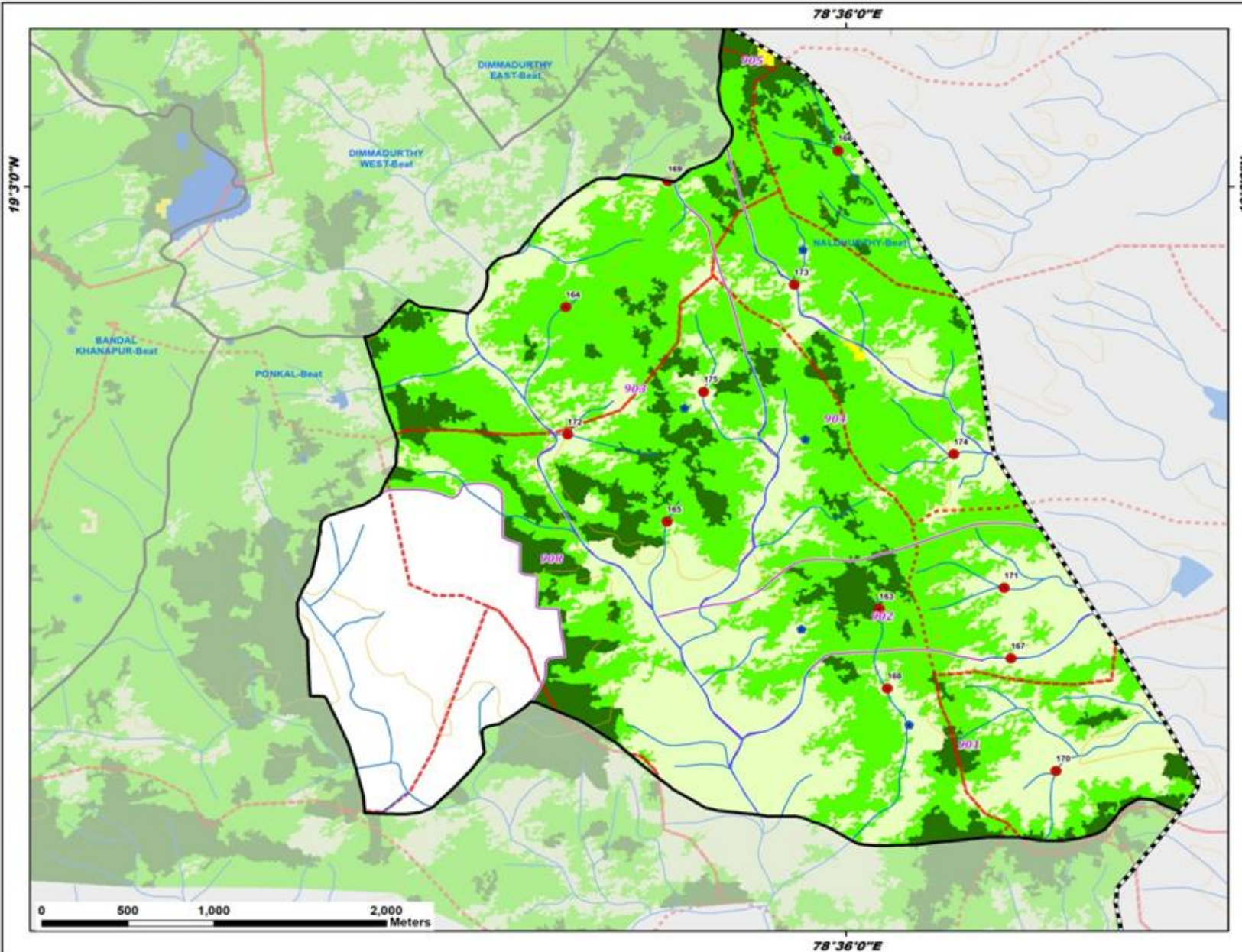
Legend

- Proposed PTs
 - Existing CD/PTs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
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- CCTs/SCTs - Highly Suitable
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 - 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 Naldhurthy Beat



Division : Nirmal
Range : Dimmadurthy



ID	Latitude	Longitude	Area_ha	Priority
163	19.026136	78.601720	14.03	I
164	19.043191	78.585399	12.24	II
165	19.031057	78.590676	15.52	II
166	19.052016	78.599571	33.49	III
167	19.023333	78.608590	12.25	IV
168	19.021645	78.602135	17.19	IV
169	19.050295	78.590708	30.89	V
170	19.016985	78.610940	29.72	V
171	19.027311	78.608228	28.94	V
172	19.035993	78.585495	33.37	V
173	19.044455	78.597304	47.98	V
174	19.034879	78.605611	43.15	V
175	19.038398	78.592569	33.06	V

Legend

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

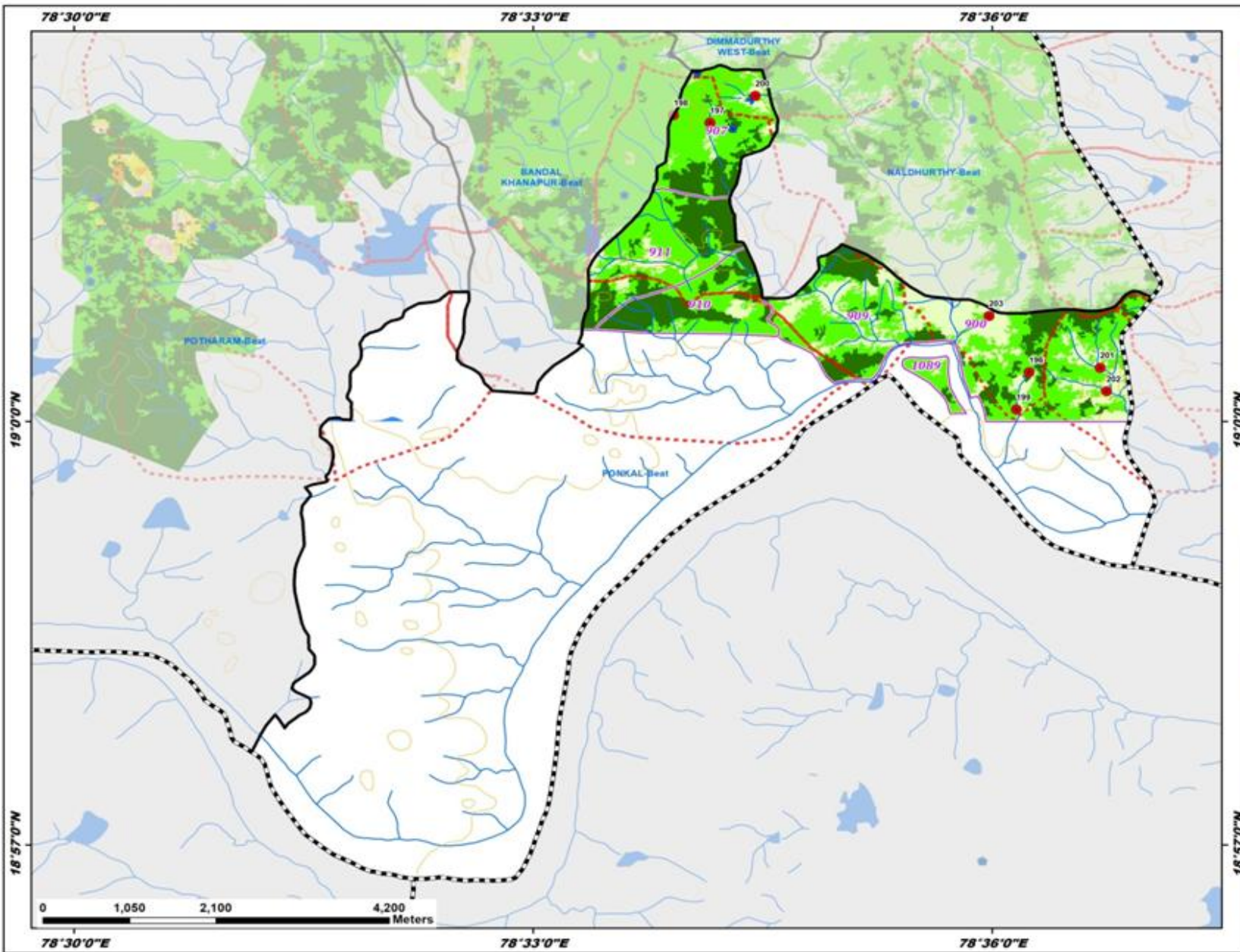
Suitability Index

- 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 Ponkal Beat



Division : Nirmal
Range : Dimmadurthy



ID	Latitude	Longitude	Area_ha	Priority
196	19.005811	78.604011	11.66	II
197	19.035289	78.569240	11.12	II
198	19.036167	78.565292	28.21	III
199	19.001428	78.602610	28.75	III
200	19.038462	78.574191	24.66	IV
201	19.006351	78.611755	52.28	V
202	19.003568	78.612433	37.08	V
203	19.012470	78.599627	77.15	V

Legend

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

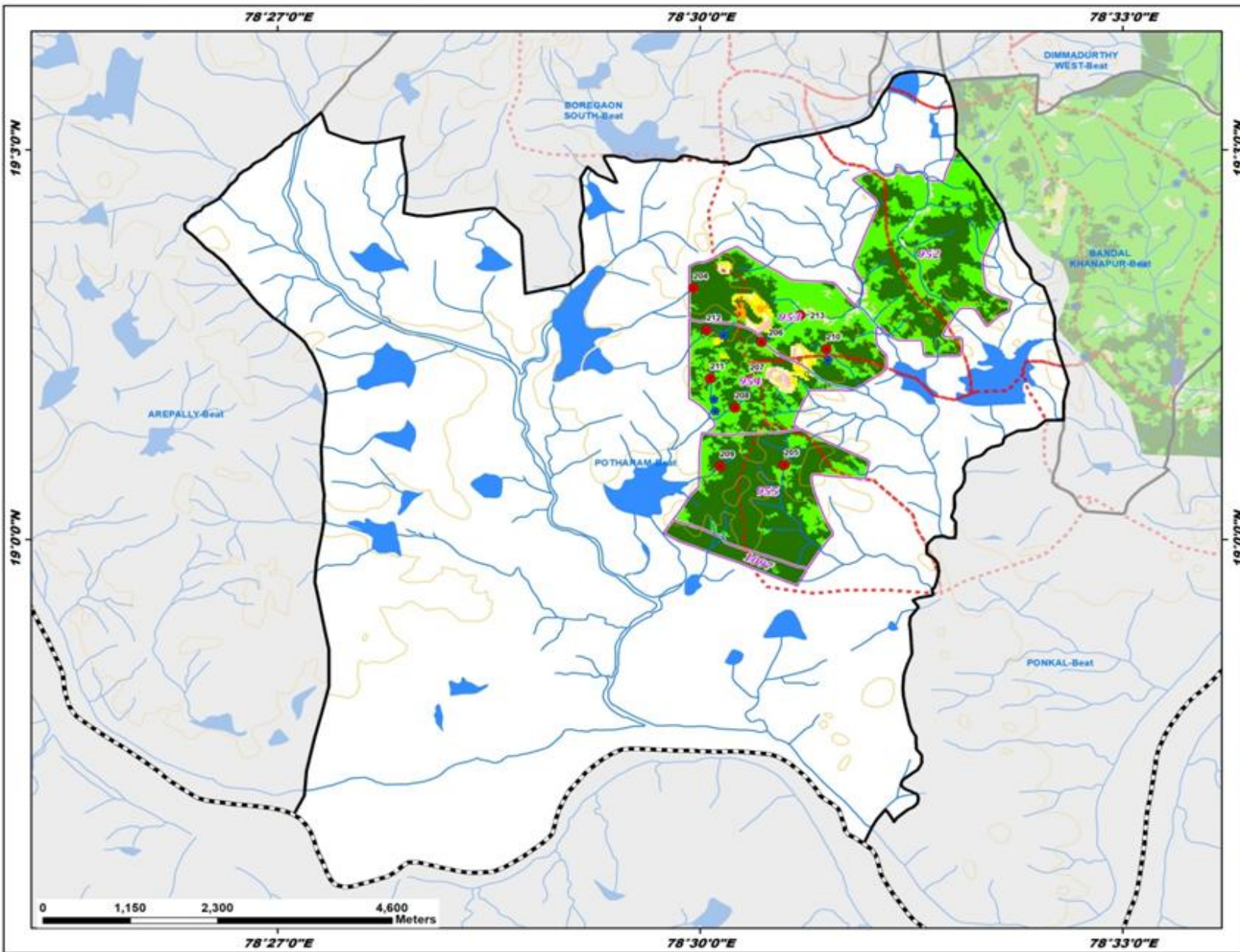
Suitability Index

- 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 Potharam Beat



Division : Nirmal
Range : Dimmadurthy



ID	Latitude	Longitude	Area_ha	Priority
204	19.032219	78.499211	17.35	I
205	19.009585	78.509927	39.12	II
206	19.025324	78.507235	14.45	II
207	19.020506	78.505900	18.16	II
208	19.016920	78.504113	23.81	II
209	19.009388	78.502341	12.29	II
210	19.024427	78.514899	17.11	II
211	19.020660	78.501199	14.10	II
212	19.026870	78.500728	32.78	III
213	19.028770	78.511837	38.87	V

Legend

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

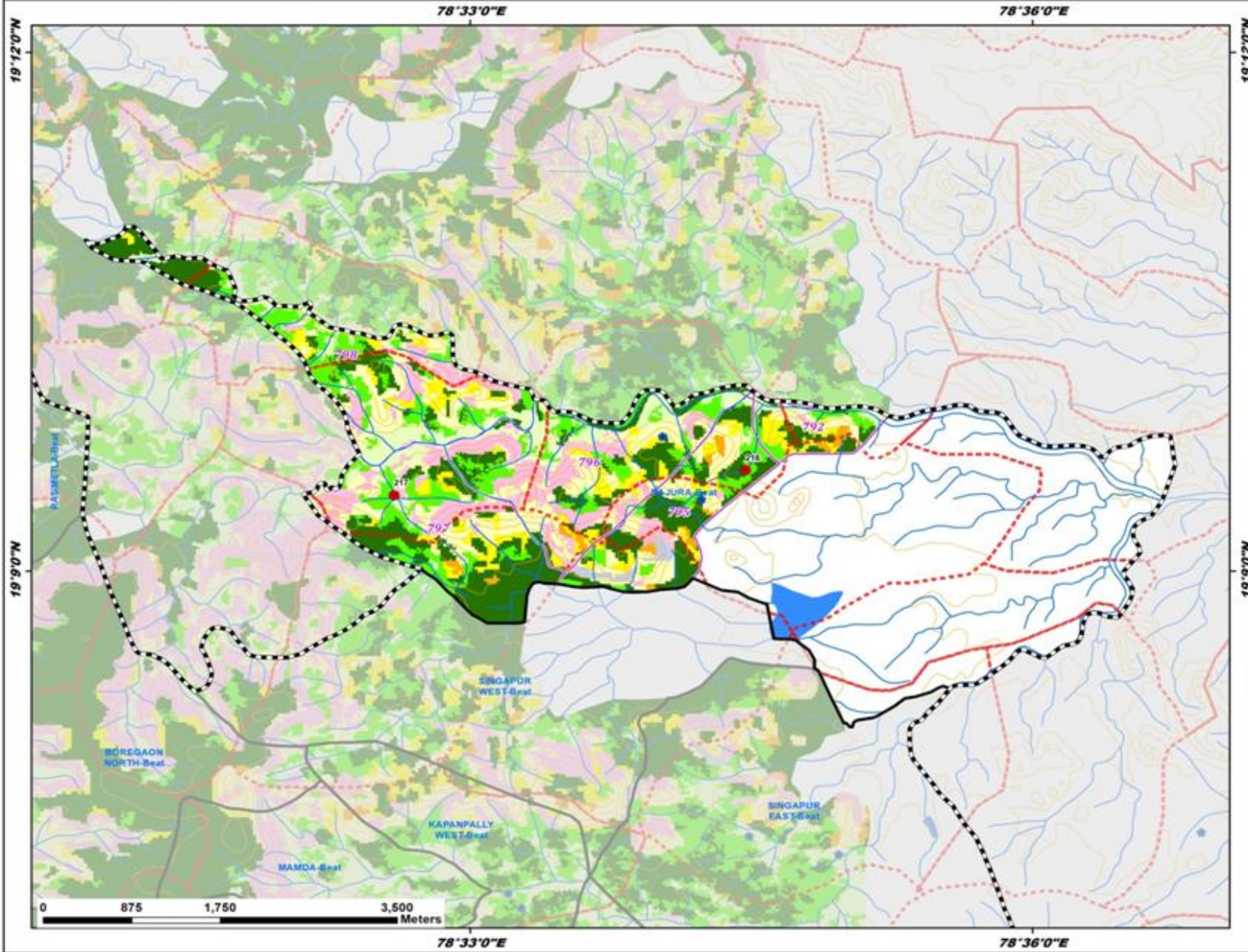
Suitability Index

- 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 Rajura Beat



Division : Nirmal
Range : Dimmadurthy



ID	Latitude	Longitude	Area_ha	Priority
216	19.159728	78.574510	15.85	I
217	19.157322	78.543251	44.78	V

Legend

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

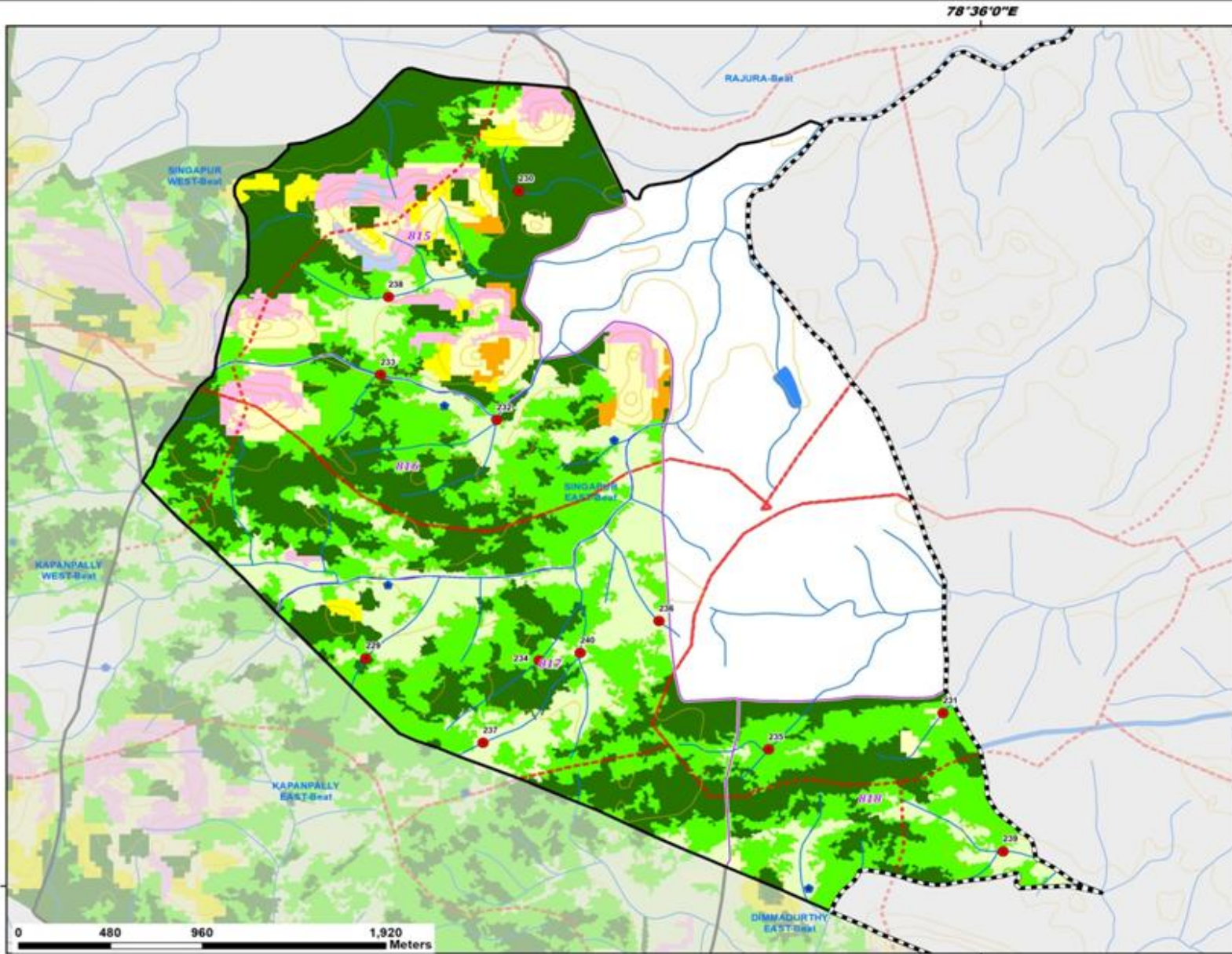
Suitability Index

- 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 Singapur East Beat



Division : Nirmal
Range : Dimmadurthy



ID	Latitude	Longitude	Area_ha	Priority
229	19.111596	78.571146	11.87	I
230	19.135363	78.578326	11.60	I
231	19.108809	78.598241	12.73	II
232	19.123720	78.577300	38.59	III
233	19.126019	78.571842	45.39	III
234	19.111479	78.579288	28.85	III
235	19.106953	78.590058	35.52	III
236	19.113485	78.584906	10.84	IV
237	19.107289	78.576645	21.39	IV
238	19.129976	78.572209	39.10	V
239	19.101770	78.601050	52.52	V
240	19.111873	78.581205	37.74	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

19°0'0"N

0 480 960 1,920 Meters

78°36'0"E

19°0'0"N

Map Showing Suitability index for Construction of SMC Works of Singapur West Beat

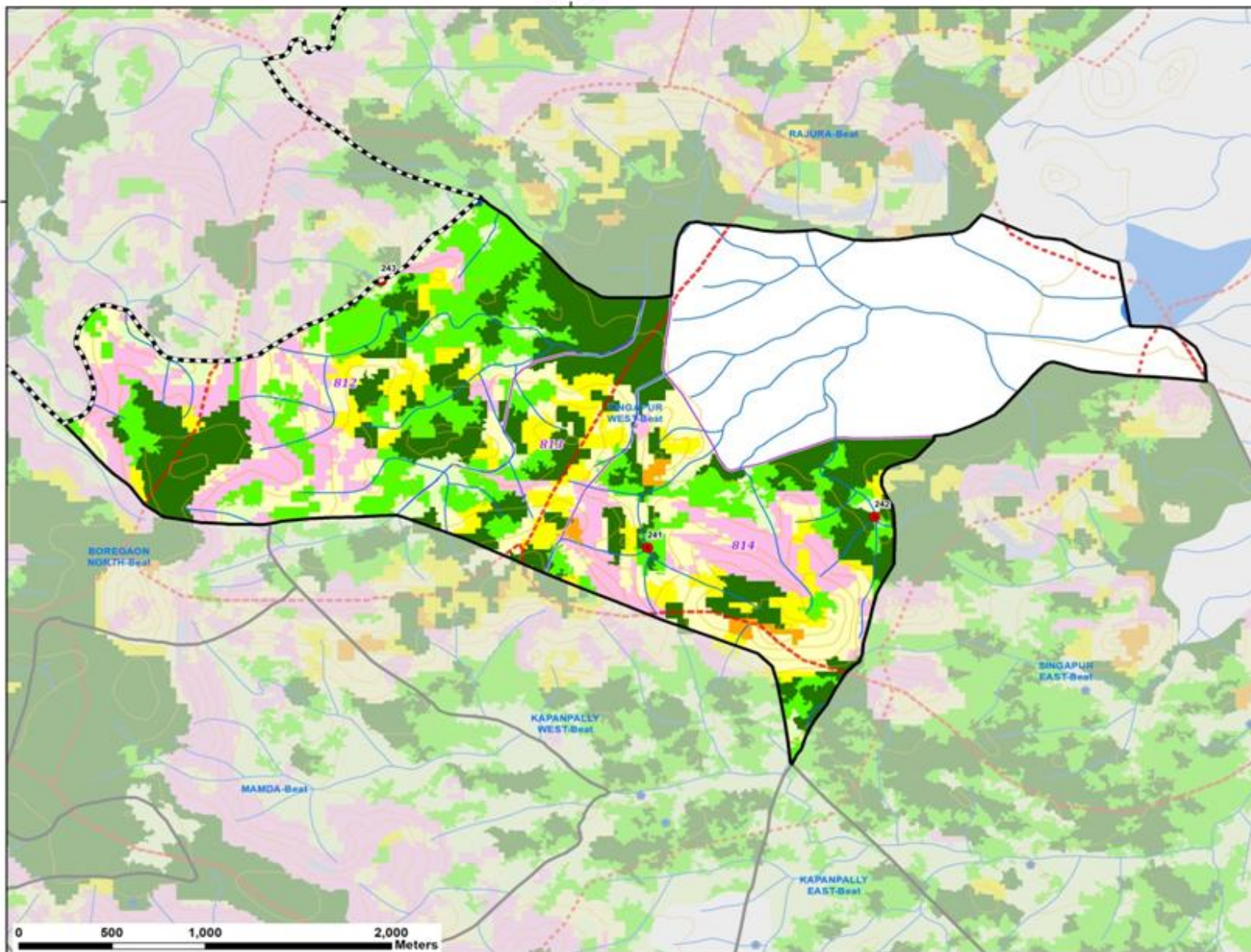


Division : Nirmal
Range : Dimmadurthy

78°33'0"E

19°9'0"N

19°9'0"N



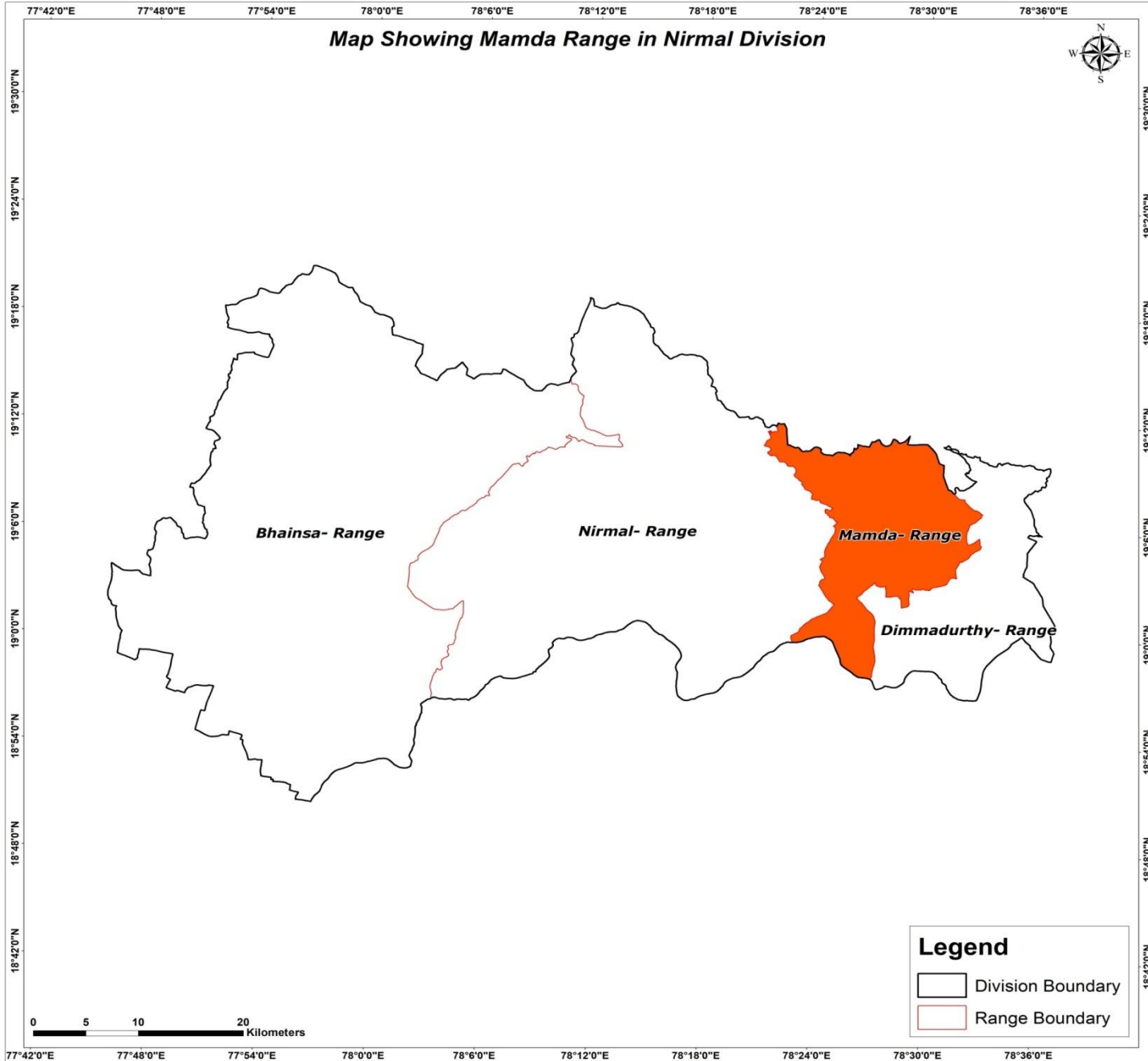
78°33'0"E

ID	Latitude	Longitude	Area_ha	Priority
241	19.131888	78.553700	41.18	II
242	19.133510	78.564664	43.63	II
243	19.145844	78.540856	39.86	V

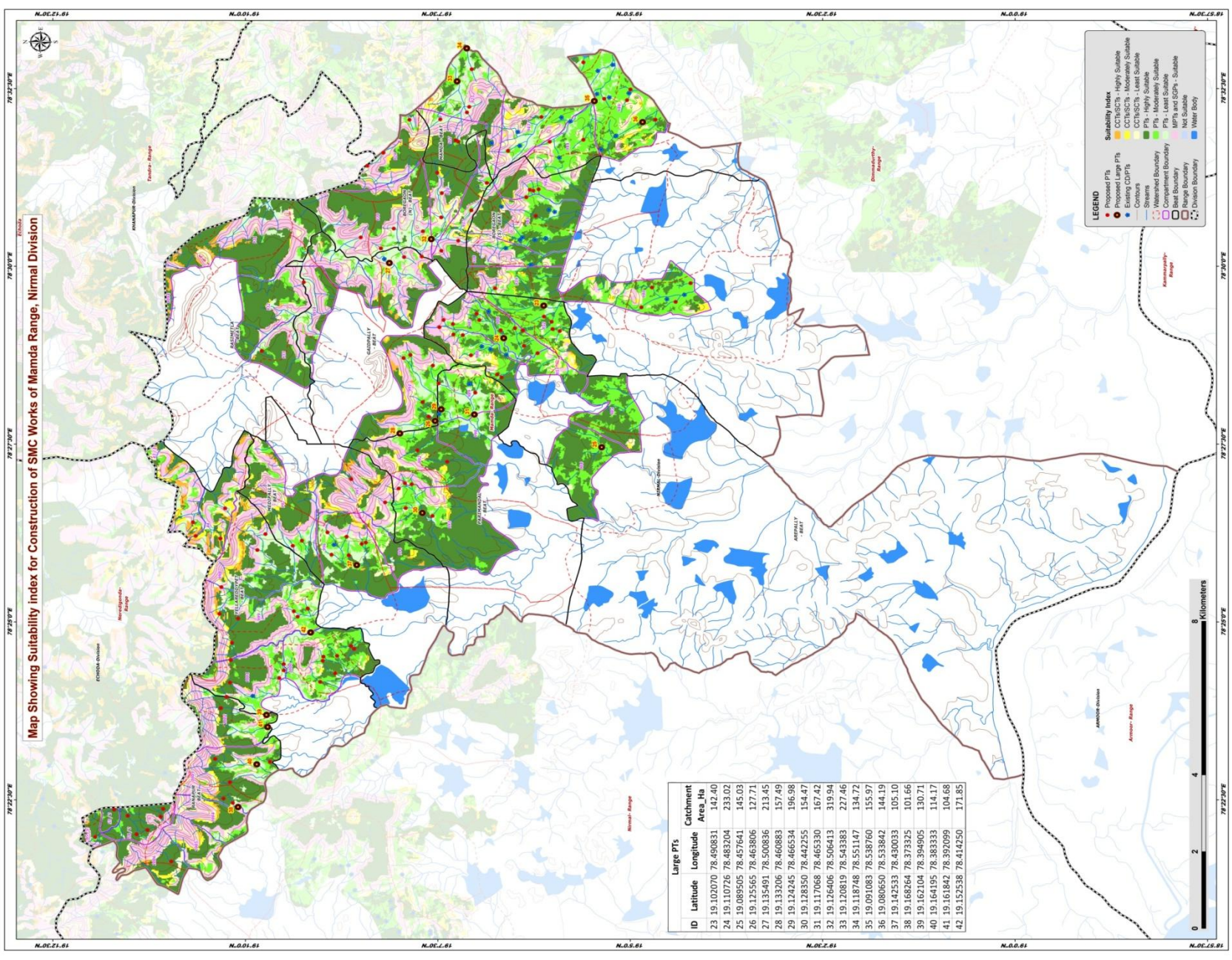
Legend

- 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 Mamda Range in Nirmal Division



Map Showing Suitability Index for Construction of SMC Works of Mamda Range, Nirmal Division

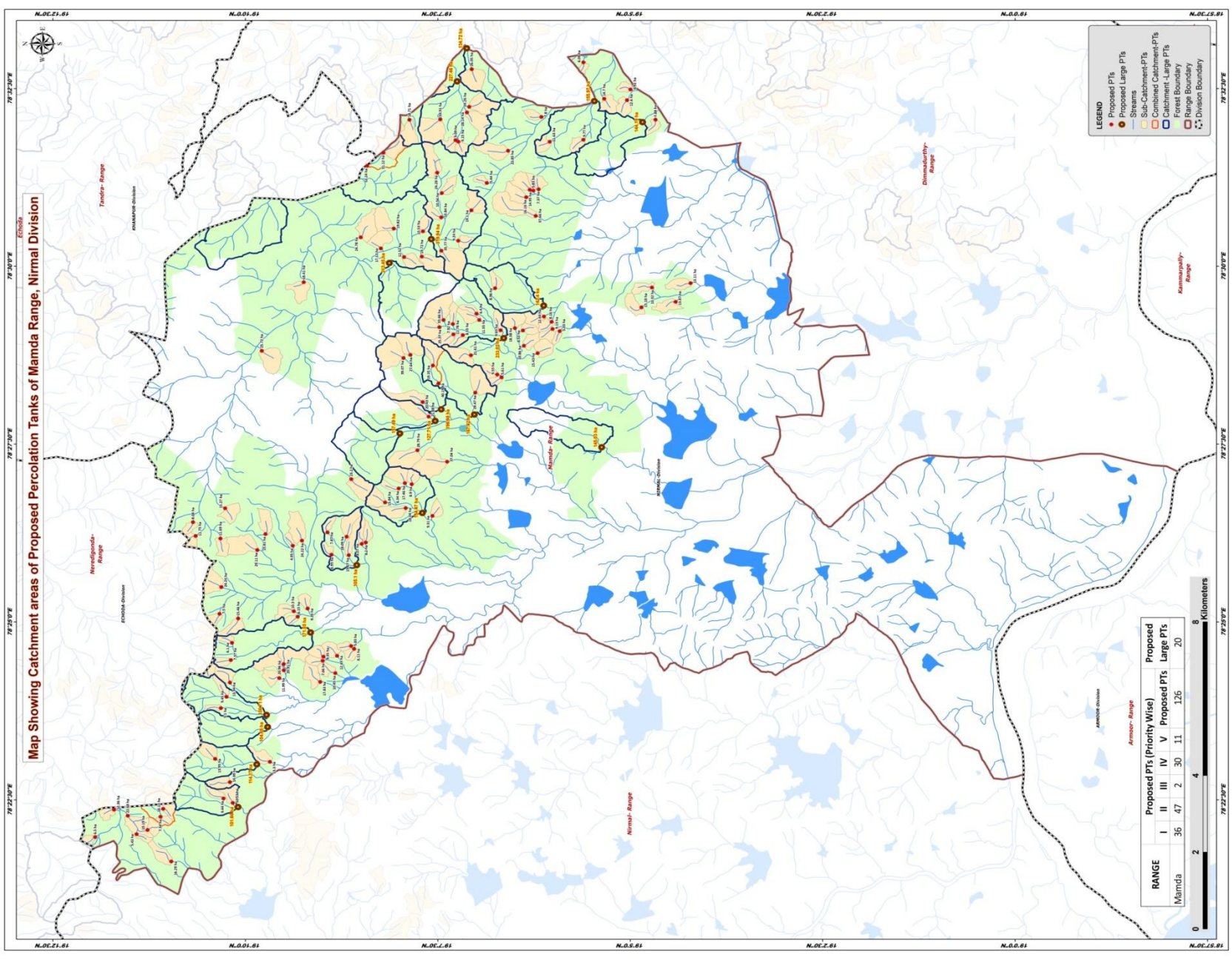


ID	Latitude	Longitude	Catchment Area, Ha
23	19.102070	78.490831	142.40
24	19.110726	78.483204	233.02
25	19.089505	78.457641	145.03
26	19.125565	78.463806	127.71
27	19.135491	78.500836	213.45
28	19.133206	78.460883	157.49
29	19.124245	78.466534	196.98
30	19.128350	78.442255	154.47
31	19.117068	78.465330	167.42
32	19.116406	78.506413	319.94
33	19.120819	78.543383	227.46
34	19.118748	78.551147	134.72
35	19.091083	78.538760	155.97
36	19.080650	78.533842	144.19
37	19.142533	78.430033	105.10
38	19.168264	78.373325	101.66
39	19.162104	78.394905	130.71
40	19.164195	78.383333	114.17
41	19.161842	78.397099	104.68
42	19.152538	78.414250	171.85

- LEGEND**
- Proposed Large PTs
 - Existing CDDPs
 - Streams
 - Watershed Boundary
 - Beel Boundary
 - Division Boundary
- Suitability Index**
- CTH/SCPs - Highly Suitable
 - CTH/SCPs - Moderately Suitable
 - CTH/SCPs - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately Suitable
 - PTs - Least Suitable
 - MFPs and SGP's - Suitable
 - MFPs and SGP's - Not Suitable
 - Water Body



Map showing Suitability Index for Construction of SMC Works of Mamda Range, Nirmal Division. The map includes a north arrow, a scale bar (0 to 8 Kilometers), and a legend. The legend defines symbols for Proposed Large PTs, Existing CDDPs, Streams, Watershed Boundary, Beel Boundary, and Division Boundary. It also defines the Suitability Index categories: CTH/SCPs (Highly Suitable, Moderately Suitable, Least Suitable) and PTs (Highly Suitable, Moderately Suitable, Least Suitable). Additionally, it lists MFPs and SGP's as Suitable or Not Suitable, and Water Body. A table in the bottom right lists 23 Large PTs with their IDs, Latitudes, Longitudes, and Catchment Areas. The map shows various geographical features like streams, watersheds, and boundaries across the Mamda Range in Nirmal Division.



Beat wise Abstract of Proposed PT's –Mamda Range

S. No.	Beat	Proposed PT's
1	AREPALLY	19
2	BOREGAON NORTH	14
3	BOREGAON SOUTH	10
4	GAIDPALLY	8
5	MAMDA	15
6	MEDIPALLY	10
7	PARIMANDAL	9
8	RANAPUR	14
9	RASIMETLA	1
10	YELLAREDDYPET	26
	Total	126

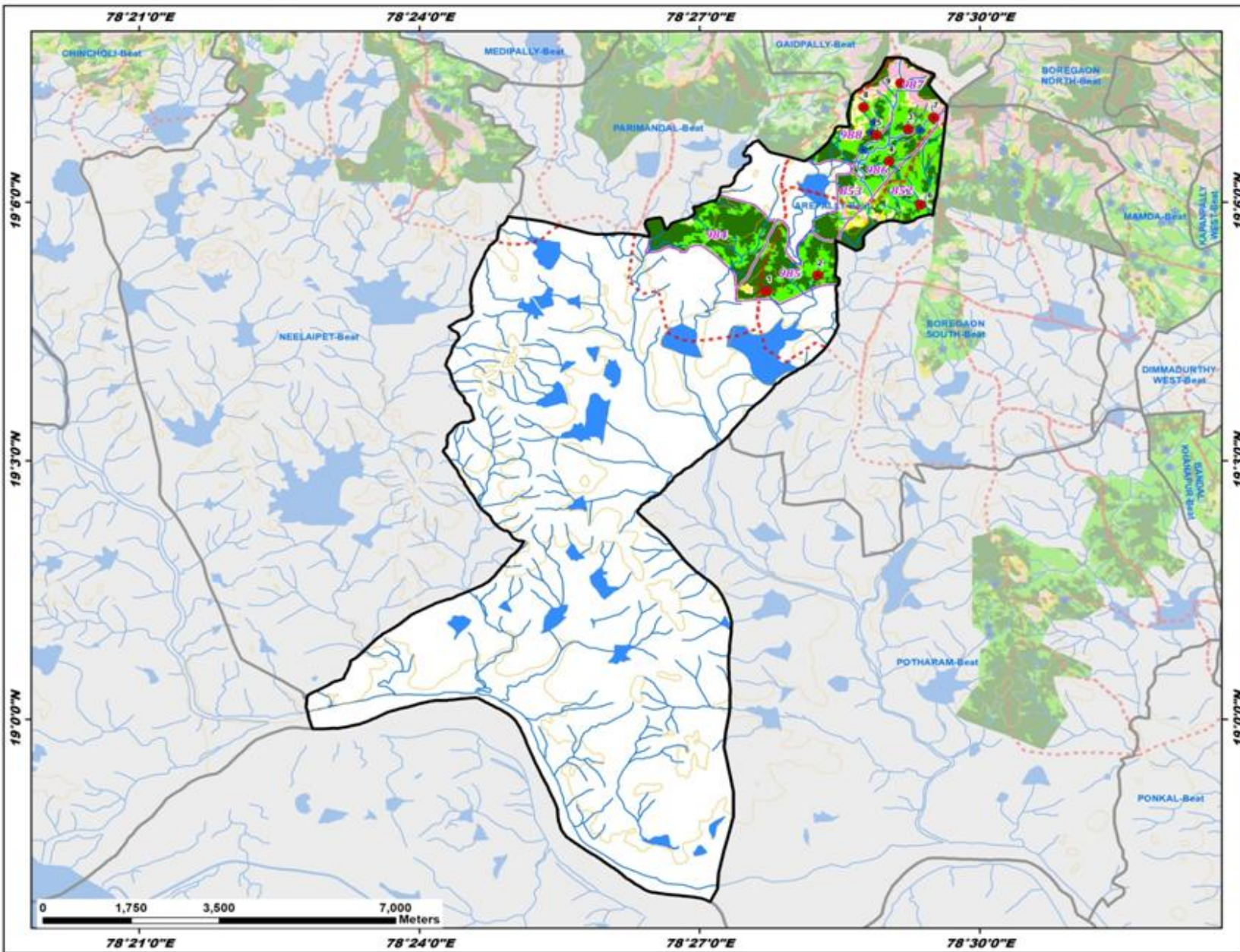
List of Proposed PTs – Mamda Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
214	19.111396	78.485059	9.43	I	AREPALLY	256	19.124137	78.517200	10.56	IV	BOREGAON NORTH	298	19.148889	78.437709	7.87	IV	MEDIPALLY
215	19.111196	78.474021	5.61	I	AREPALLY	257	19.120577	78.506043	9.24	IV	BOREGAON NORTH	299	19.136404	78.444724	15.84	IV	MEDIPALLY
216	19.112131	78.474706	9.55	I	AREPALLY	258	19.134518	78.508904	19.82	IV	BOREGAON NORTH	300	19.199199	78.366305	6.50	I	RANAPUR
217	19.106569	78.485009	8.53	I	AREPALLY	259	19.128203	78.508264	10.53	IV	BOREGAON NORTH	301	19.169401	78.374291	12.53	I	RANAPUR
218	19.116599	78.488956	6.40	II	AREPALLY	260	19.137309	78.504247	17.13	IV	BOREGAON NORTH	302	19.184469	78.372911	14.13	I	RANAPUR
219	19.119572	78.483922	8.55	II	AREPALLY	261	19.141678	78.506855	24.78	IV	BOREGAON NORTH	303	19.190222	78.366965	5.43	I	RANAPUR
220	19.116009	78.487477	11.55	II	AREPALLY	262	19.136769	78.526676	31.12	V	BOREGAON NORTH	304	19.161344	78.383928	13.30	I	RANAPUR
221	19.103406	78.479702	15.43	II	AREPALLY	263	19.124236	78.503697	35.77	V	BOREGAON NORTH	305	19.171954	78.396517	5.10	I	RANAPUR
222	19.121618	78.484096	11.78	II	AREPALLY	264	19.140283	78.523598	52.24	V	BOREGAON NORTH	306	19.185029	78.371067	7.34	I	RANAPUR
223	19.098604	78.484865	5.03	II	AREPALLY	265	19.078621	78.495091	10.32	I	BOREGAON SOUTH	307	19.170020	78.379164	14.99	I	RANAPUR
224	19.106327	78.481417	10.86	II	AREPALLY	266	19.105071	78.517972	14.95	II	BOREGAON SOUTH	308	19.171403	78.375350	9.44	I	RANAPUR
225	19.121725	78.486527	7.92	II	AREPALLY	267	19.103173	78.518112	7.37	II	BOREGAON SOUTH	309	19.173196	78.384617	13.95	I	RANAPUR
226	19.108300	78.485567	18.38	II	AREPALLY	268	19.073491	78.491731	13.87	II	BOREGAON SOUTH	310	19.195098	78.372708	12.36	I	RANAPUR
227	19.100144	78.485353	9.13	II	AREPALLY	269	19.105852	78.516235	16.16	II	BOREGAON SOUTH	311	19.182698	78.360604	16.29	I	RANAPUR
228	19.100337	78.487047	8.16	II	AREPALLY	270	19.070263	78.496102	13.11	II	BOREGAON SOUTH	312	19.192146	78.371315	22.68	I	RANAPUR
229	19.102012	78.488274	12.64	IV	AREPALLY	271	19.080888	78.490447	15.18	II	BOREGAON SOUTH	313	19.187863	78.367975	10.19	I	RANAPUR
230	19.117827	78.479194	21.61	IV	AREPALLY	272	19.112602	78.494913	8.96	II	BOREGAON SOUTH	314	19.150453	78.402650	17.83	I	YELLAREDDYPET
231	19.124647	78.485794	25.37	V	AREPALLY	273	19.104320	78.517778	5.83	II	BOREGAON SOUTH	315	19.169808	78.407795	7.37	I	YELLAREDDYPET
232	19.123758	78.487462	33.66	V	AREPALLY	274	19.103797	78.511864	37.66	II	BOREGAON SOUTH	316	19.147183	78.404714	10.45	I	YELLAREDDYPET
233	19.126984	78.464822	21.88	I	GAIDPALLY	275	19.121139	78.529618	9.09	I	MAMDA	317	19.143780	78.411083	5.83	I	YELLAREDDYPET
234	19.128275	78.468236	20.43	I	GAIDPALLY	276	19.100776	78.529251	11.63	II	MAMDA	318	19.172252	78.418626	7.50	I	YELLAREDDYPET
235	19.130926	78.479289	27.64	III	GAIDPALLY	277	19.077862	78.534422	7.88	II	MAMDA	319	19.169569	78.411811	6.10	I	YELLAREDDYPET
236	19.132307	78.502207	12.52	IV	GAIDPALLY	278	19.084005	78.538985	12.60	II	MAMDA	320	19.168230	78.417541	15.46	I	YELLAREDDYPET
237	19.128457	78.502339	19.72	IV	GAIDPALLY	279	19.083270	78.541497	6.92	II	MAMDA	321	19.170023	78.402520	13.94	I	YELLAREDDYPET
238	19.126071	78.476811	19.35	IV	GAIDPALLY	280	19.093475	78.529702	9.77	II	MAMDA	322	19.177437	78.436869	11.75	I	YELLAREDDYPET
239	19.154017	78.496321	18.41	IV	GAIDPALLY	281	19.109776	78.527131	22.85	II	MAMDA	323	19.172065	78.436271	11.69	I	YELLAREDDYPET
240	19.132416	78.478551	39.07	V	GAIDPALLY	282	19.102556	78.535065	7.80	II	MAMDA	324	19.143109	78.410419	8.11	I	YELLAREDDYPET
241	19.116886	78.470434	29.47	II	PARIMANDAL	283	19.088976	78.539310	14.70	II	MAMDA	325	19.149774	78.408584	9.35	II	YELLAREDDYPET
242	19.131960	78.443397	18.04	II	PARIMANDAL	284	19.093471	78.547853	6.09	IV	MAMDA	326	19.155345	78.417956	6.15	II	YELLAREDDYPET
243	19.132124	78.449228	17.46	II	PARIMANDAL	285	19.120545	78.529268	9.15	IV	MAMDA	327	19.146787	78.408776	12.45	II	YELLAREDDYPET
244	19.122958	78.454255	37.04	II	PARIMANDAL	286	19.118201	78.537426	24.26	IV	MAMDA	328	19.149912	78.407611	7.66	II	YELLAREDDYPET
245	19.130635	78.448987	8.90	II	PARIMANDAL	287	19.117649	78.546249	26.05	V	MAMDA	329	19.153190	78.419848	8.26	II	YELLAREDDYPET
246	19.129403	78.456944	28.79	III	PARIMANDAL	288	19.124465	78.534495	33.91	V	MAMDA	330	19.159331	78.403543	11.99	II	YELLAREDDYPET
247	19.133464	78.447985	6.34	IV	PARIMANDAL	289	19.118687	78.536130	28.14	V	MAMDA	331	19.158332	78.405382	20.81	II	YELLAREDDYPET
248	19.126152	78.441573	9.31	IV	PARIMANDAL	290	19.144282	78.432353	15.67	I	MEDIPALLY	332	19.171858	78.424879	24.24	IV	YELLAREDDYPET
249	19.124836	78.472614	40.19	V	PARIMANDAL	291	19.143732	78.450178	23.20	I	MEDIPALLY	333	19.162315	78.437305	15.81	IV	YELLAREDDYPET
250	19.163109	78.480240	25.72	II	RASIMETLA	292	19.141467	78.435014	8.07	II	MEDIPALLY	334	19.170743	78.399177	9.45	IV	YELLAREDDYPET
251	19.125127	78.521978	24.28	I	BOREGAON NORTH	293	19.154414	78.435778	24.22	II	MEDIPALLY	335	19.158348	78.406852	20.96	IV	YELLAREDDYPET
252	19.114370	78.519590	5.44	II	BOREGAON NORTH	294	19.140591	78.435320	8.20	II	MEDIPALLY	336	19.156176	78.419206	10.30	IV	YELLAREDDYPET
253	19.124259	78.511530	10.84	IV	BOREGAON NORTH	295	19.148023	78.432492	6.93	II	MEDIPALLY	337	19.178009	78.440101	8.04	IV	YELLAREDDYPET
254	19.117720	78.513186	19.10	IV	BOREGAON NORTH	296	19.144749	78.436697	18.09	II	MEDIPALLY	338	19.171054	78.443348	15.27	IV	YELLAREDDYPET
255	19.131136	78.534391	18.71	IV	BOREGAON NORTH	297	19.156393	78.434557	4.95	IV	MEDIPALLY	339	19.164069	78.433561	29.11	V	YELLAREDDYPET

Map Showing Suitability index for Construction of SMC Works of Arepally Beat



Division : Nirmal
Range : Mamda



ID	Latitude	Longitude	Area_ha	Priority
1	19.082806	78.462002	13.56	II
2	19.085899	78.471071	31.96	III
3	19.114125	78.487190	29.83	III
4	19.107884	78.483817	33.53	III
5	19.113031	78.481545	42.25	III
6	19.099518	78.489415	30.88	III
7	19.116410	78.491772	31.11	III
8	19.118413	78.479261	19.38	IV
9	19.123055	78.485937	65.59	IV

Legend

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

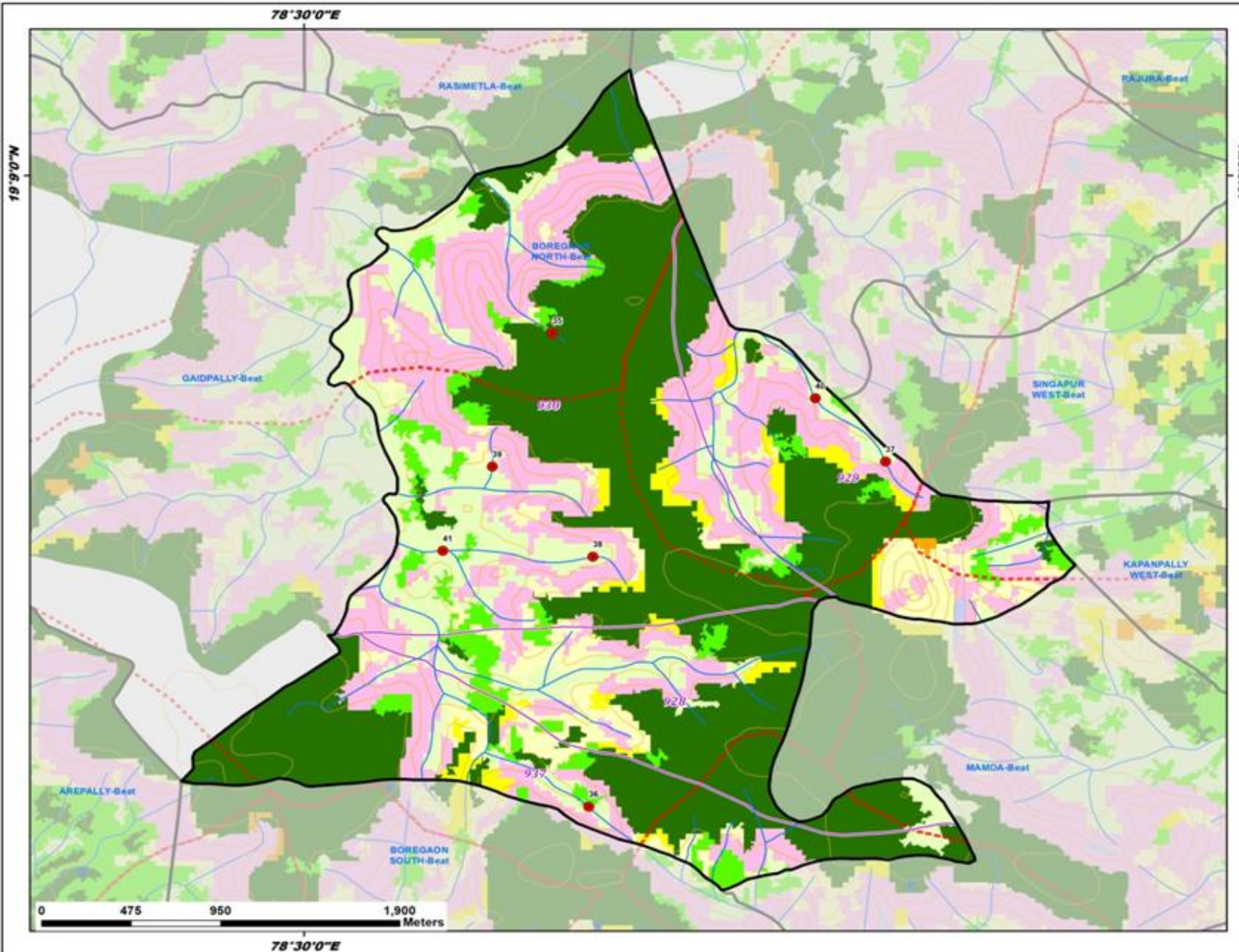
Suitability Index

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

Map Showing Suitability index for Construction of SMC Works of Boregaon North Beat



Division : Nirmal
Range : Mamda



ID	Latitude	Longitude	Area_ha	Priority
35	19.141843	78.511844	14.03	I
36	19.117385	78.513572	16.90	II
37	19.135207	78.527725	19.40	IV
38	19.130305	78.513773	16.22	IV
39	19.134959	78.508974	19.82	IV
40	19.138489	78.524381	28.17	V
41	19.130609	78.506617	46.93	V

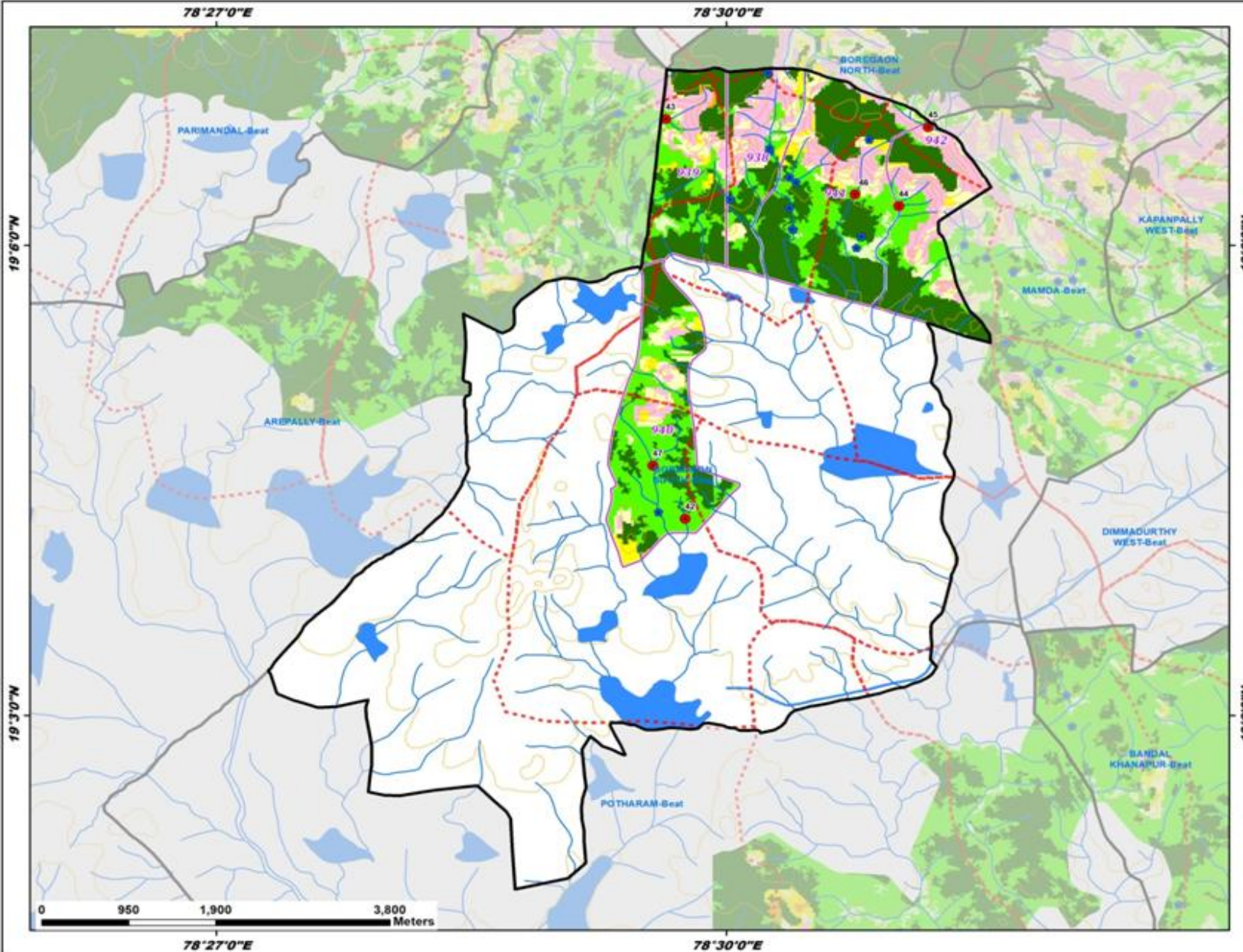
Legend

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

Map Showing Suitability index for Construction of SMC Works of Boregaon South Beat



Division : Nirmal
Range : Mamda



ID	Latitude	Longitude	Area_ha	Priority
42	19.070914	78.495963	12.12	II
43	19.113409	78.494067	41.93	III
44	19.104158	78.516911	37.95	III
45	19.112565	78.519805	31.36	III
46	19.105419	78.512614	33.46	III
47	19.076576	78.492818	52.61	IV

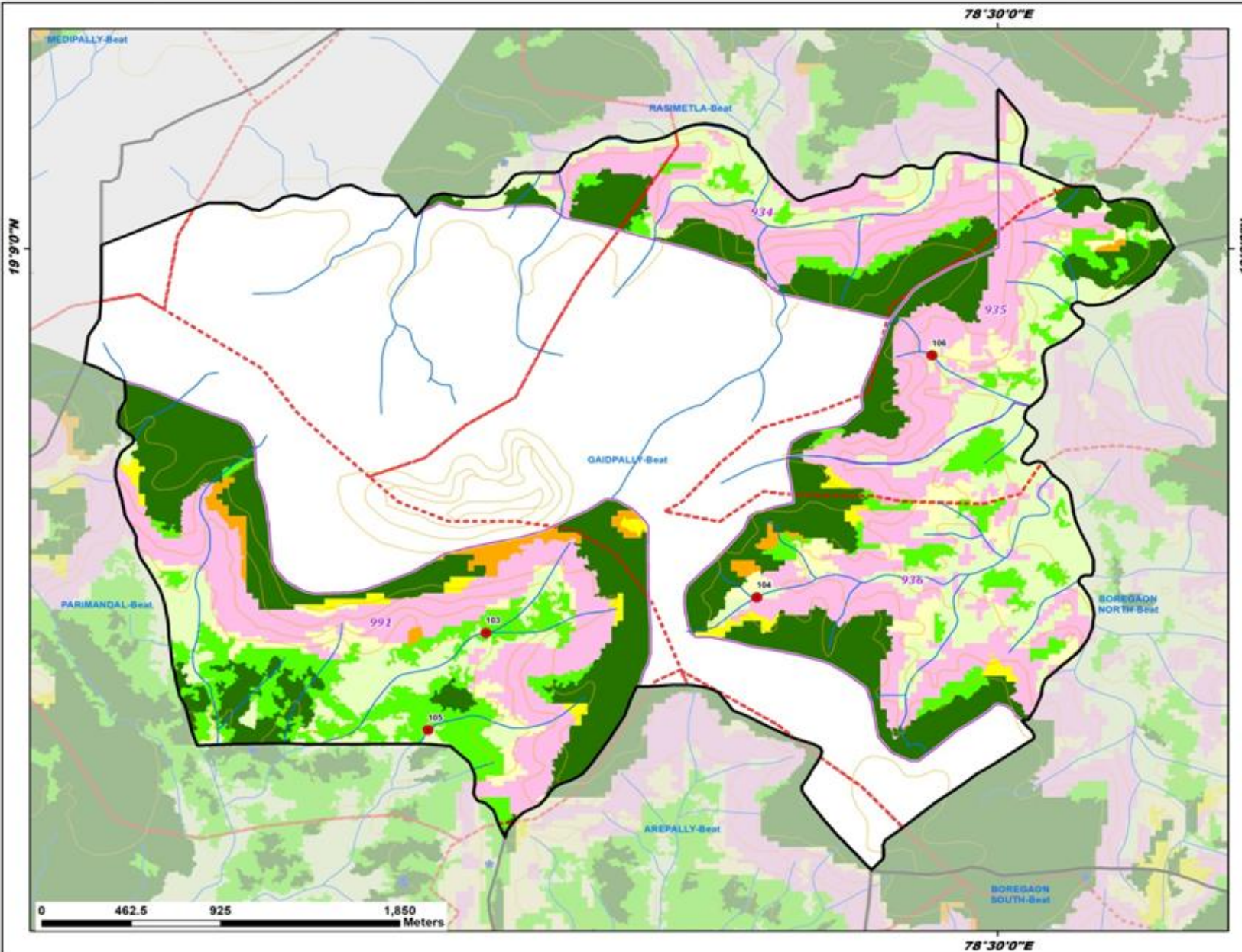
Legend

- 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 Gaidpally Beat



Division : Nirmal
Range : Mamda



ID	Latitude	Longitude	Area_ha	Priority
103	19.130643	78.476254	89.77	IV
104	19.132436	78.488830	33.96	V
105	19.125750	78.473564	36.05	V
106	19.144620	78.496964	28.52	V

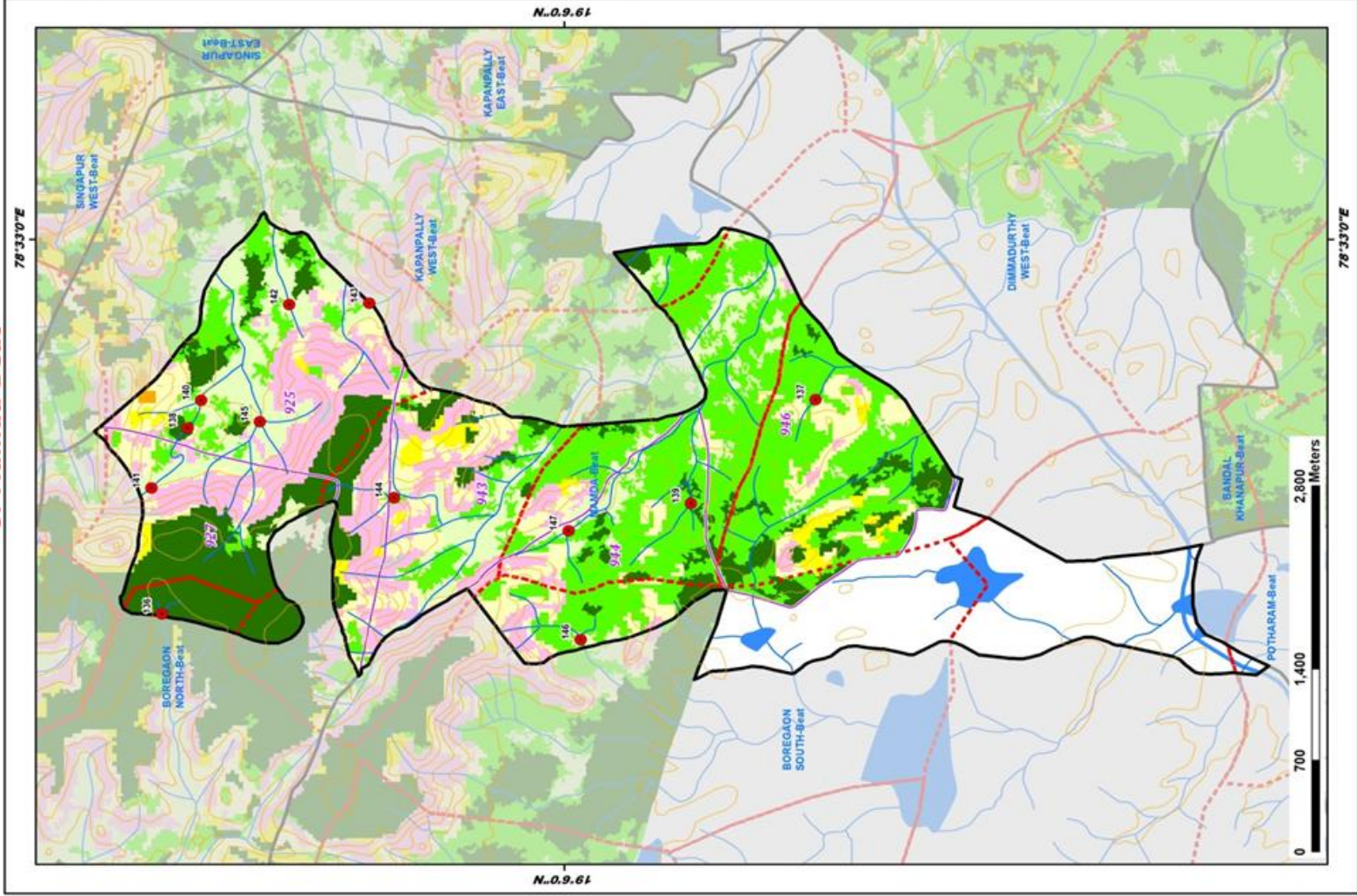
Legend

- 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 Mamda Beat



Division : Nirmal
Range : Mamda



ID	Latitude	Longitude	Area_ha	Priority
136	19.125576	78.524209	23.63	I
137	19.083999	78.538992	11.85	II
138	19.123938	78.537031	33.17	III
139	19.091930	78.531854	27.22	IV
140	19.123089	78.538946	16.25	IV
141	19.126243	78.532896	18.90	IV
142	19.117479	78.545552	16.60	IV
143	19.112381	78.545637	44.91	V
144	19.110830	78.532248	26.13	V
145	19.119361	78.537480	65.96	V
146	19.098935	78.522455	41.59	V
147	19.099714	78.529945	30.20	V

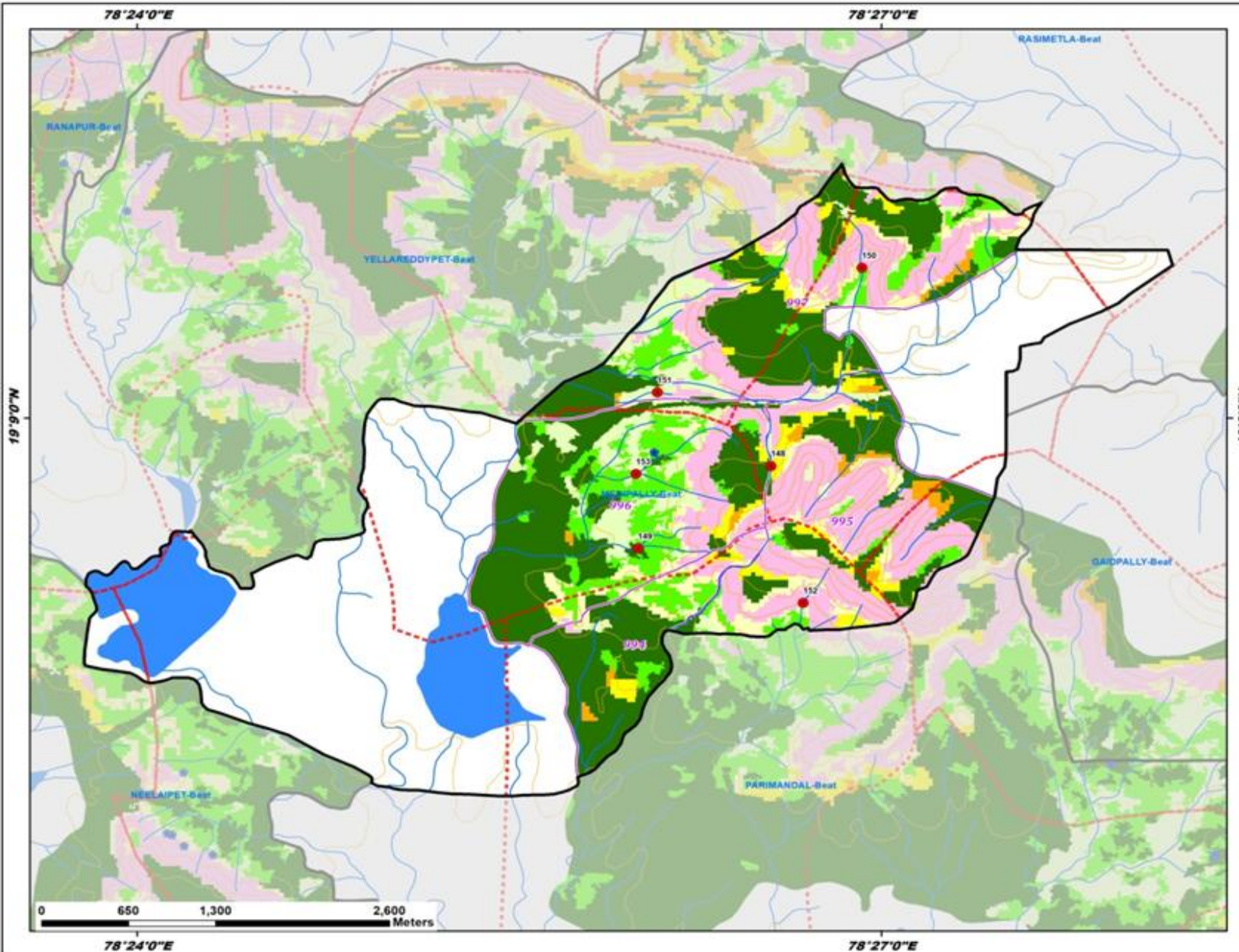
LEGEND

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

Map Showing Suitability index for Construction of SMC Works of Medipally Beat



Division : Nirmal
Range : Mamda



ID	Latitude	Longitude	Area_ha	Priority
148	19.146506	78.442588	14.02	I
149	19.140486	78.433644	25.80	II
150	19.160923	78.448694	25.14	III
151	19.151856	78.434964	10.48	IV
152	19.136519	78.444762	16.22	IV
153	19.145915	78.433521	60.18	V

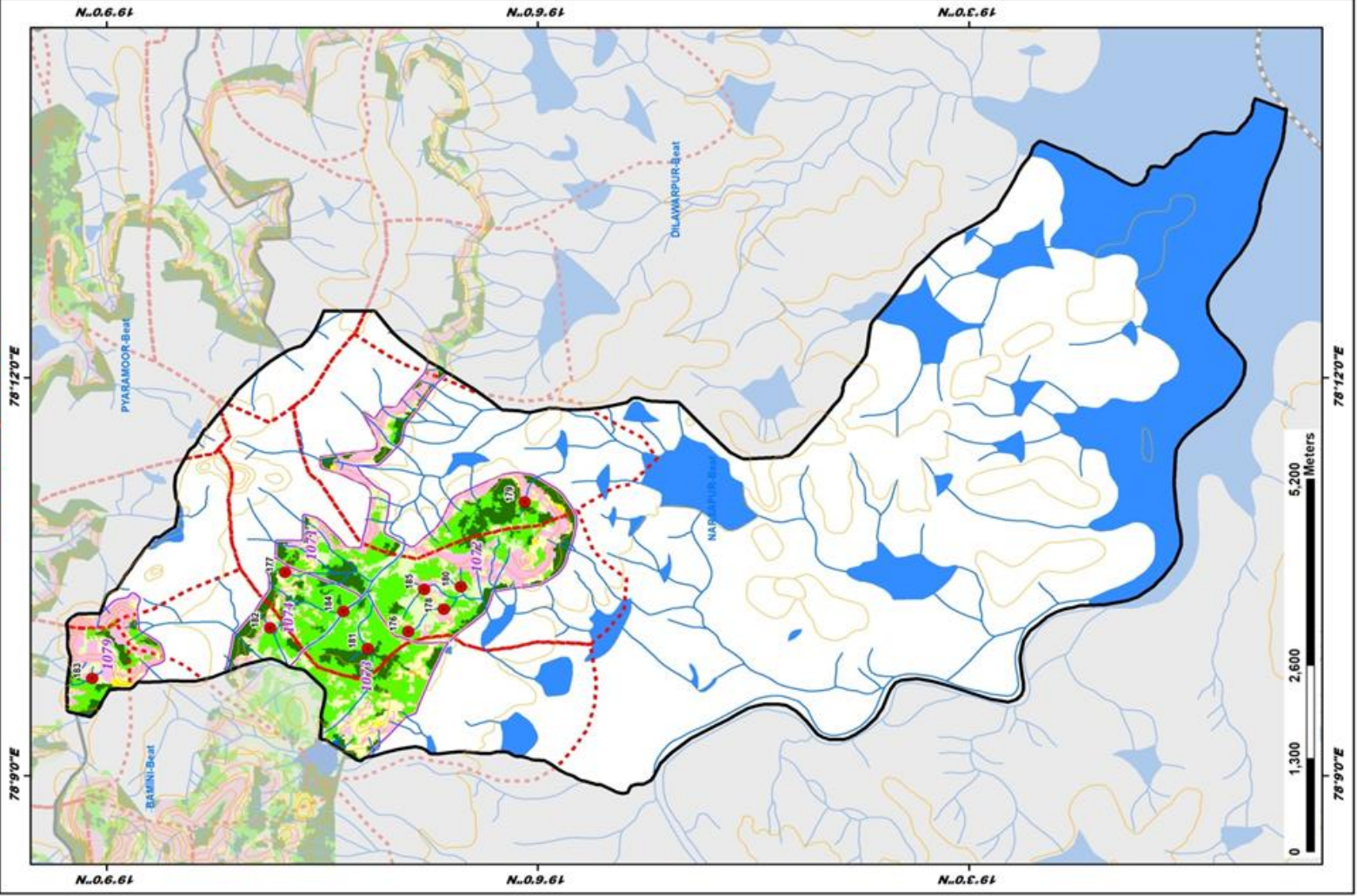
Legend

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

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



Division : Nirmal
Range : Mamda



ID	Latitude	Longitude	Area ha	Priority
176	19.114994	78.168166	13.75	II
177	19.129290	78.175597	13.22	II
178	19.110876	78.171002	19.57	II
179	19.101539	78.184453	13.48	III
180	19.106898	78.173793	25.85	III
181	19.119739	78.166051	36.30	III
182	19.131020	78.168617	10.97	IV
183	19.151675	78.162302	23.49	IV
184	19.122523	78.170693	65.96	V
185	19.113172	78.173462	27.82	V

LEGEND

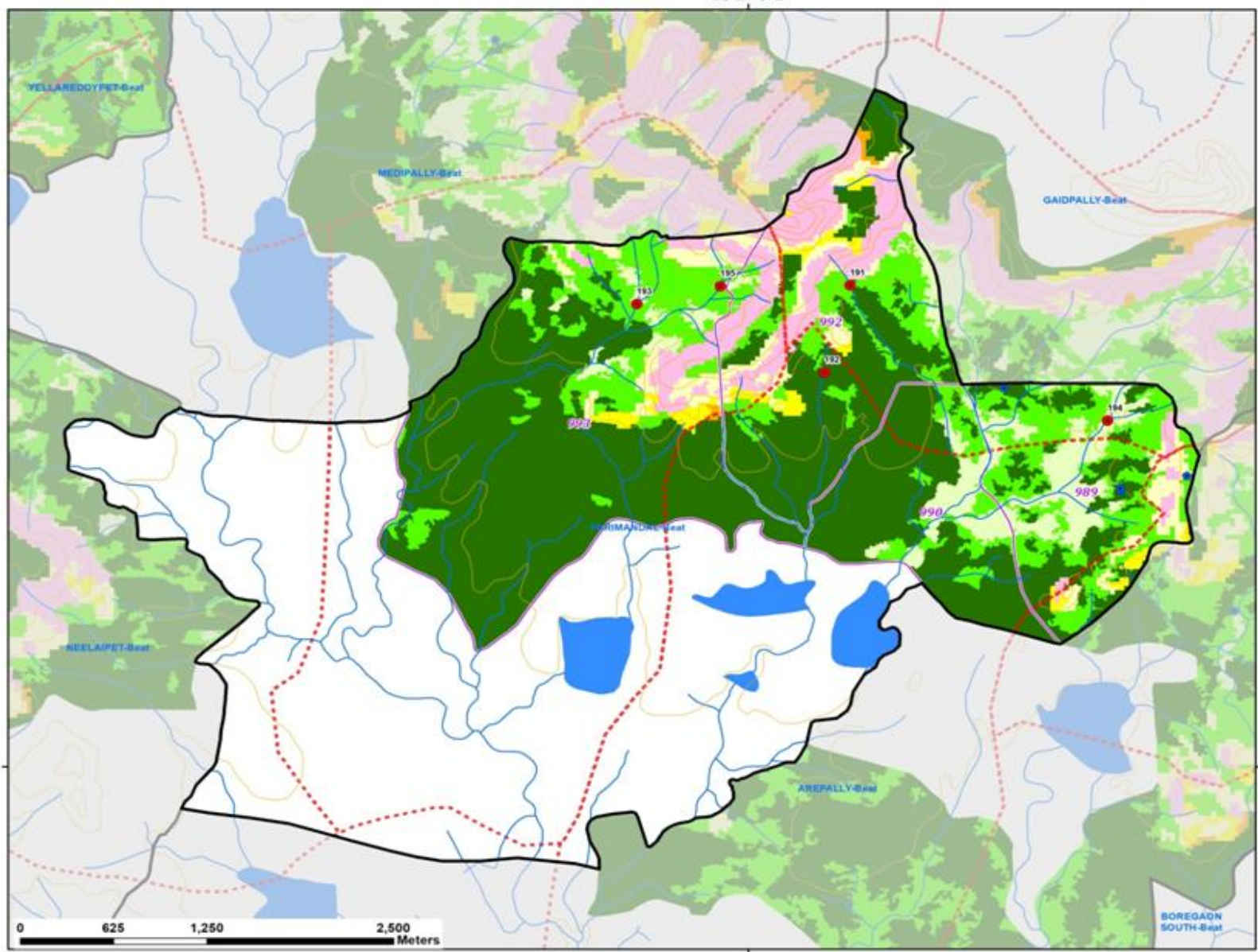
- Proposed PTIs
 - Existing CD/PTIs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
- ### Suitability Index
- CCTs/SCTs - Highly Suitable
 - CCTs/SCTs - Moderately Suitable
 - CCTs/SCTs - Least Suitable
 - PTIs - Highly Suitable
 - PTIs - Moderately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

Map Showing Suitability index for Construction of SMC Works of Parimandal Beat



Division : Nirmal
Range : Mamda

78°27'0"E



ID	Latitude	Longitude	Area_ha	Priority
191	19.131449	78.456138	15.86	I
192	19.125759	78.454587	18.82	I
193	19.130232	78.443277	46.04	V
194	19.122607	78.471645	31.42	V
195	19.131398	78.448306	33.05	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

19°6'0"N

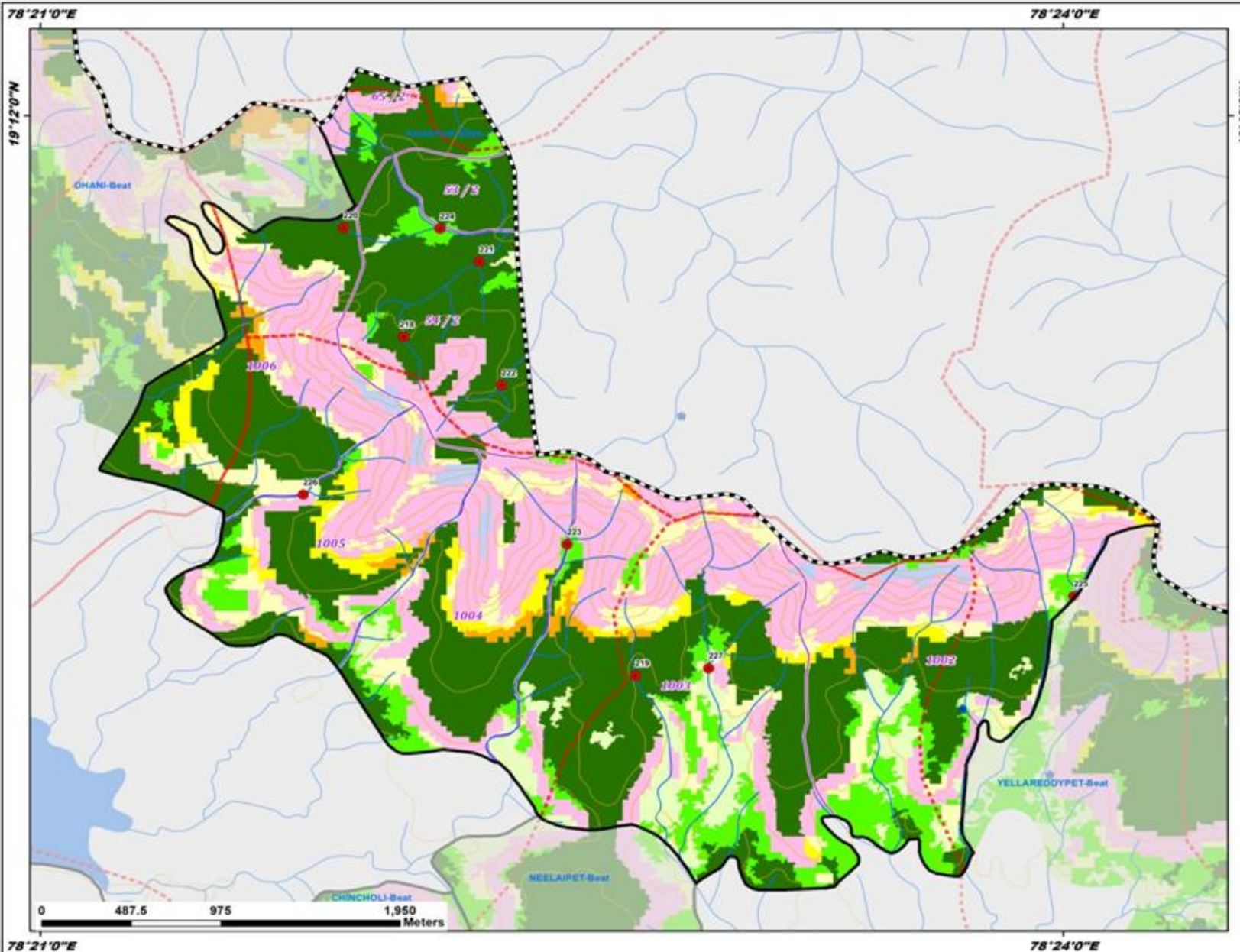
19°6'0"N

78°27'0"E

Map Showing Suitability index for Construction of SMC Works of Ranapur Beat



Division : Nirmal
Range : Mamda



ID	Latitude	Longitude	Area_ha	Priority
218	19.188266	78.367757	12.16	I
219	19.170323	78.379070	12.29	I
220	19.194045	78.364817	31.35	II
221	19.192246	78.371458	36.27	II
222	19.185709	78.372550	27.84	II
223	19.177271	78.375752	36.64	III
224	19.193995	78.369535	55.11	IV
225	19.174531	78.400514	31.90	V
226	19.179910	78.362864	47.31	V
227	19.170713	78.382660	72.61	V

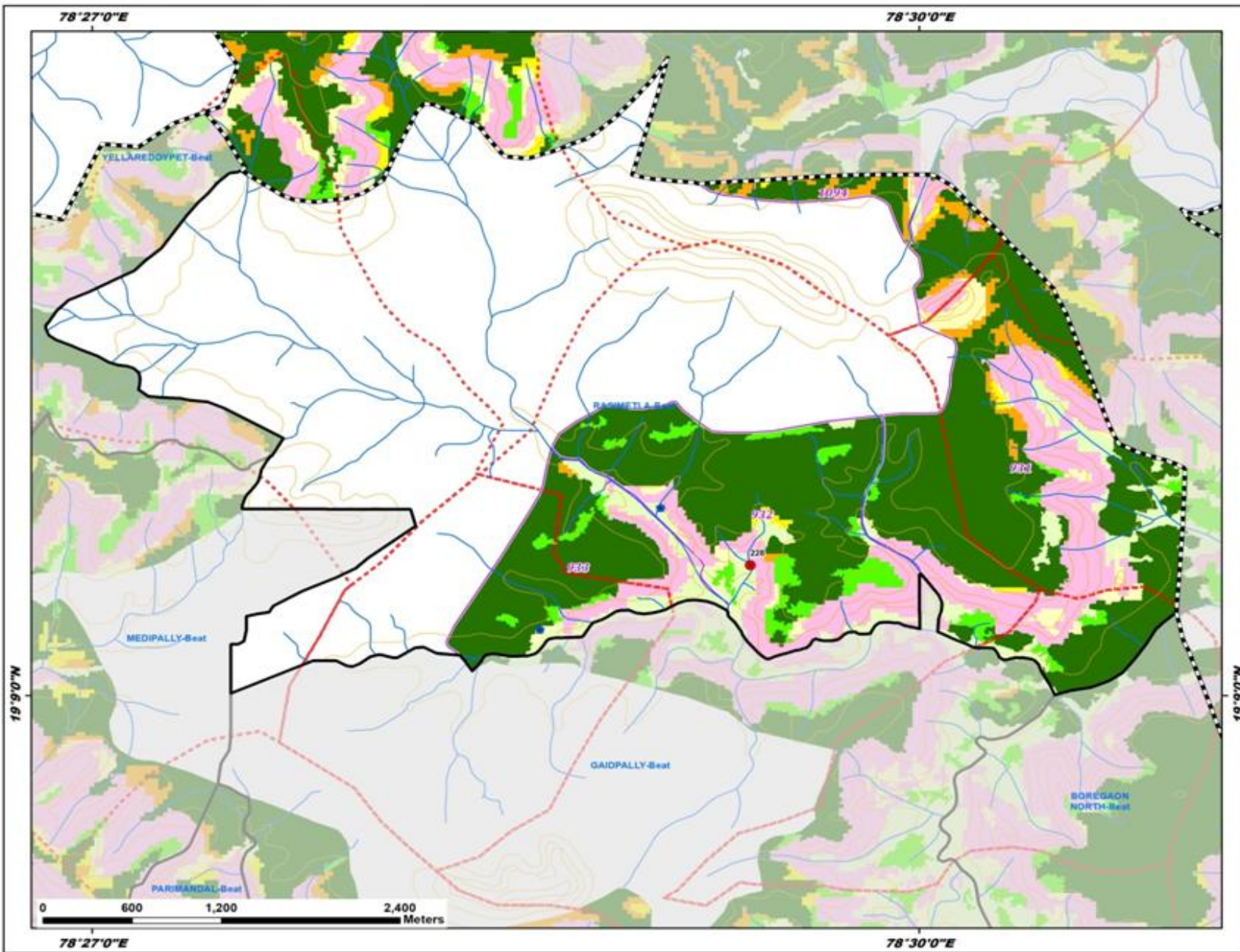
Legend

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

Map Showing Suitability index for Construction of SMC Works of Rasimetla Beat



Division : Nirmal
Range : Mamda



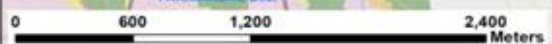
ID	Latitude	Longitude	Area_ha	Priority
228	19.158551	78.489789	34.09	V

Legend

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

Suitability Index

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



78°27'0"E

78°30'0"E

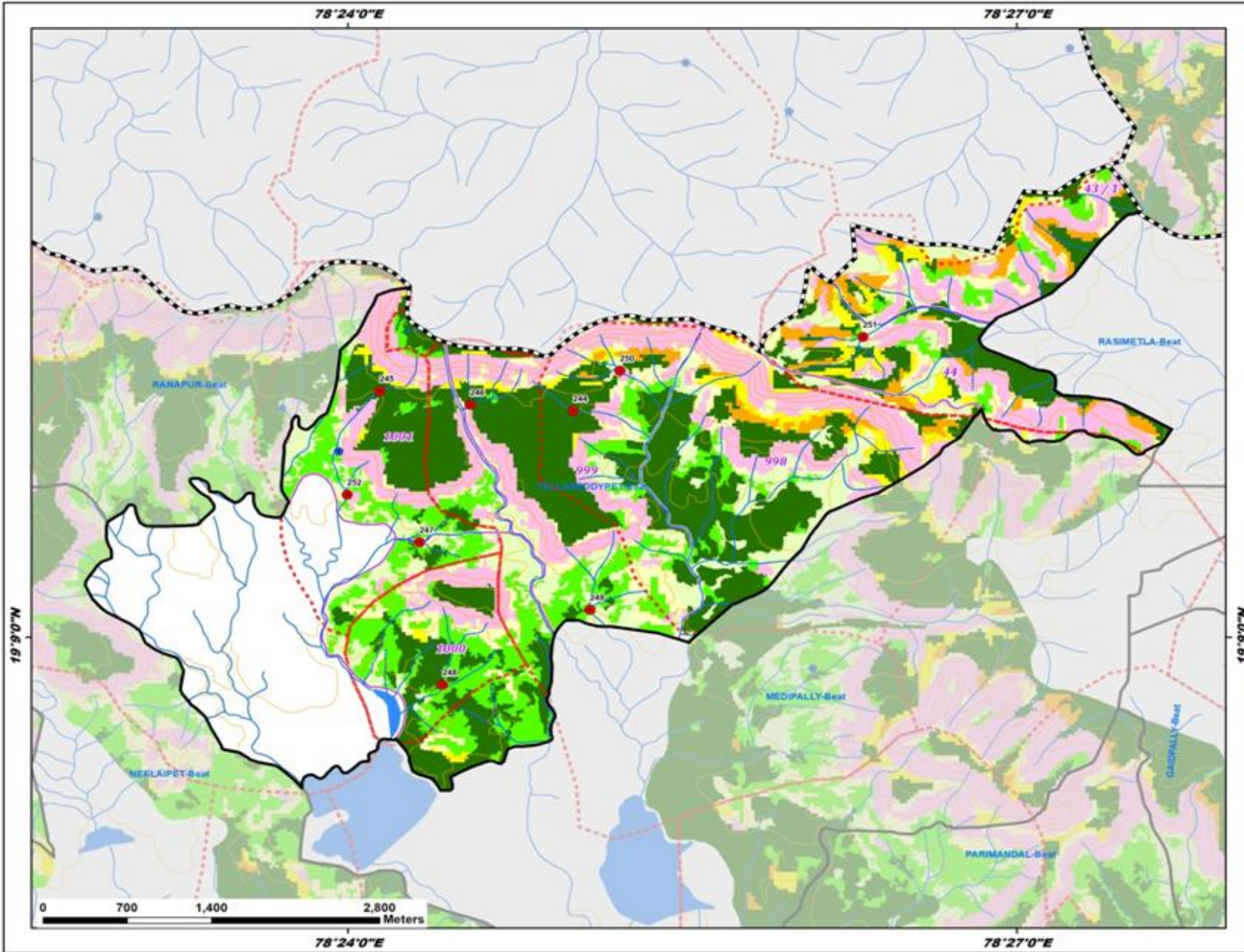
19°9'0"N

19°9'0"N

Map Showing Suitability index for Construction of SMC Works of Yellareddypet Beat



Division : Nirmal
Range : Mamda

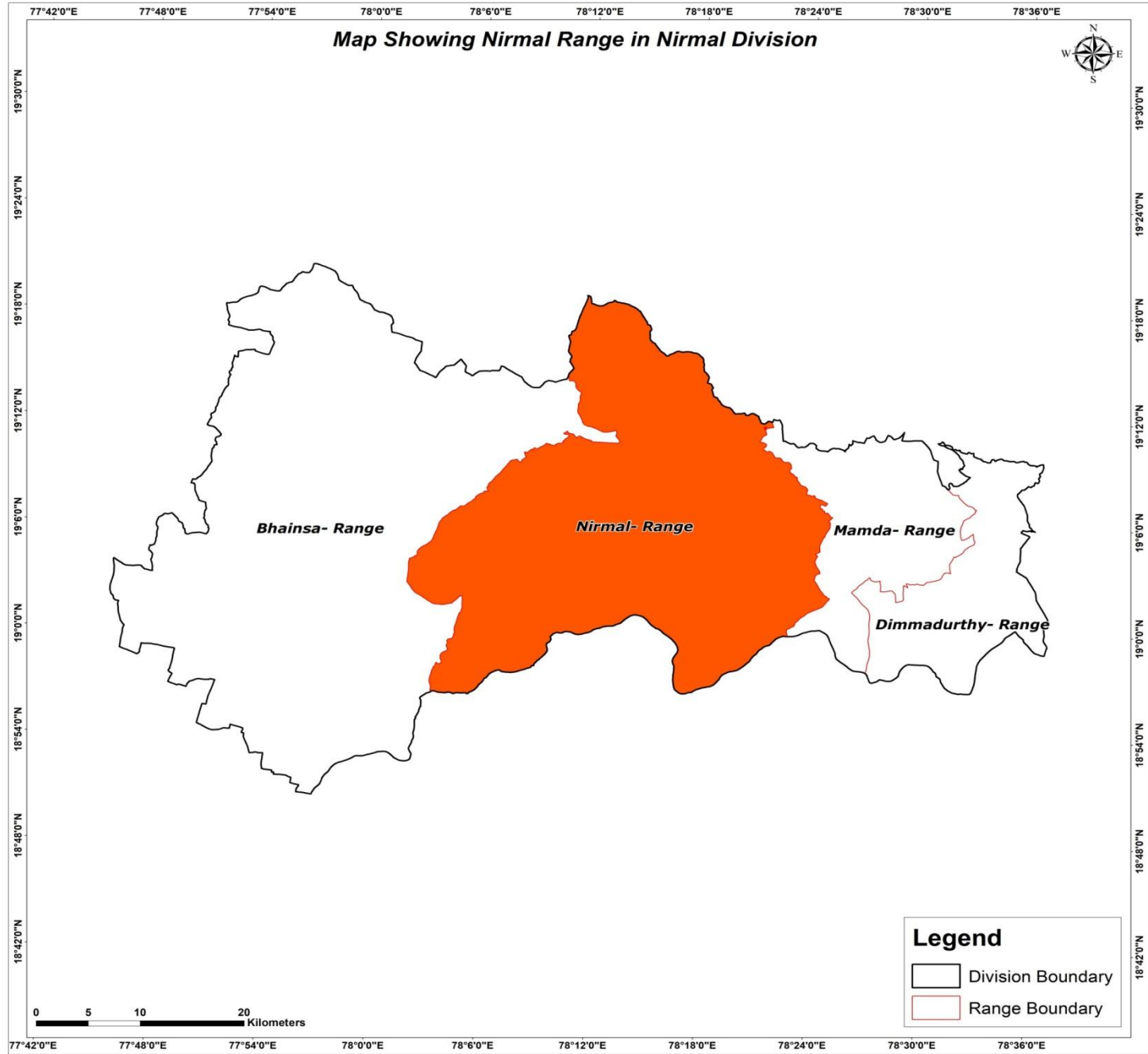


ID	Latitude	Longitude	Area_ha	Priority
244	19.168342	78.416843	12.29	I
245	19.169961	78.402384	15.34	I
246	19.168842	78.409144	25.17	II
247	19.157689	78.405376	27.49	III
248	19.146146	78.407076	38.65	III
249	19.152225	78.418091	50.63	V
250	19.171587	78.420350	36.38	V
251	19.174338	78.438504	49.14	V
252	19.161555	78.399962	61.61	V

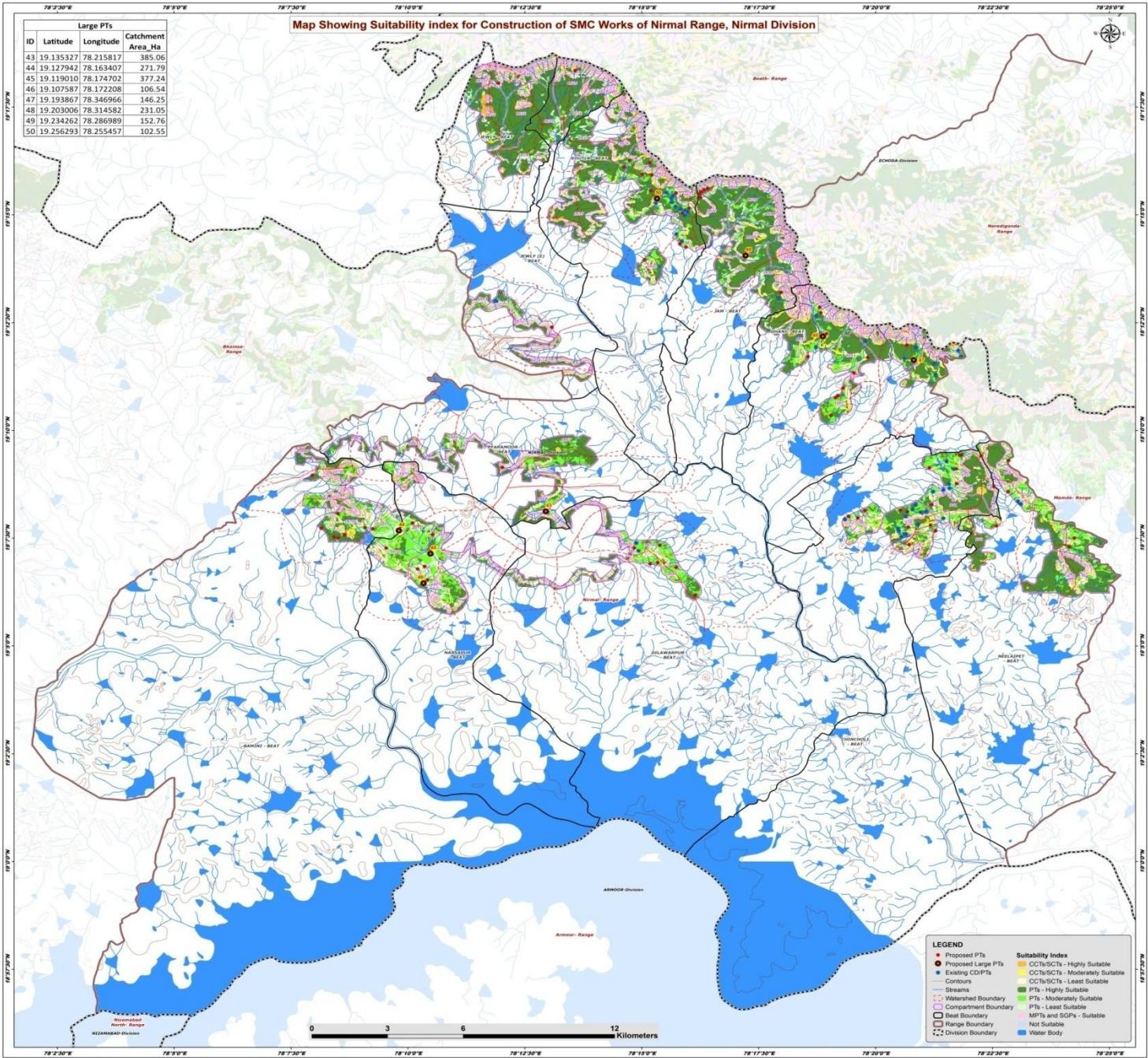
Legend

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

Map Showing Nirmal Range in Nirmal Division



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



LEGEND

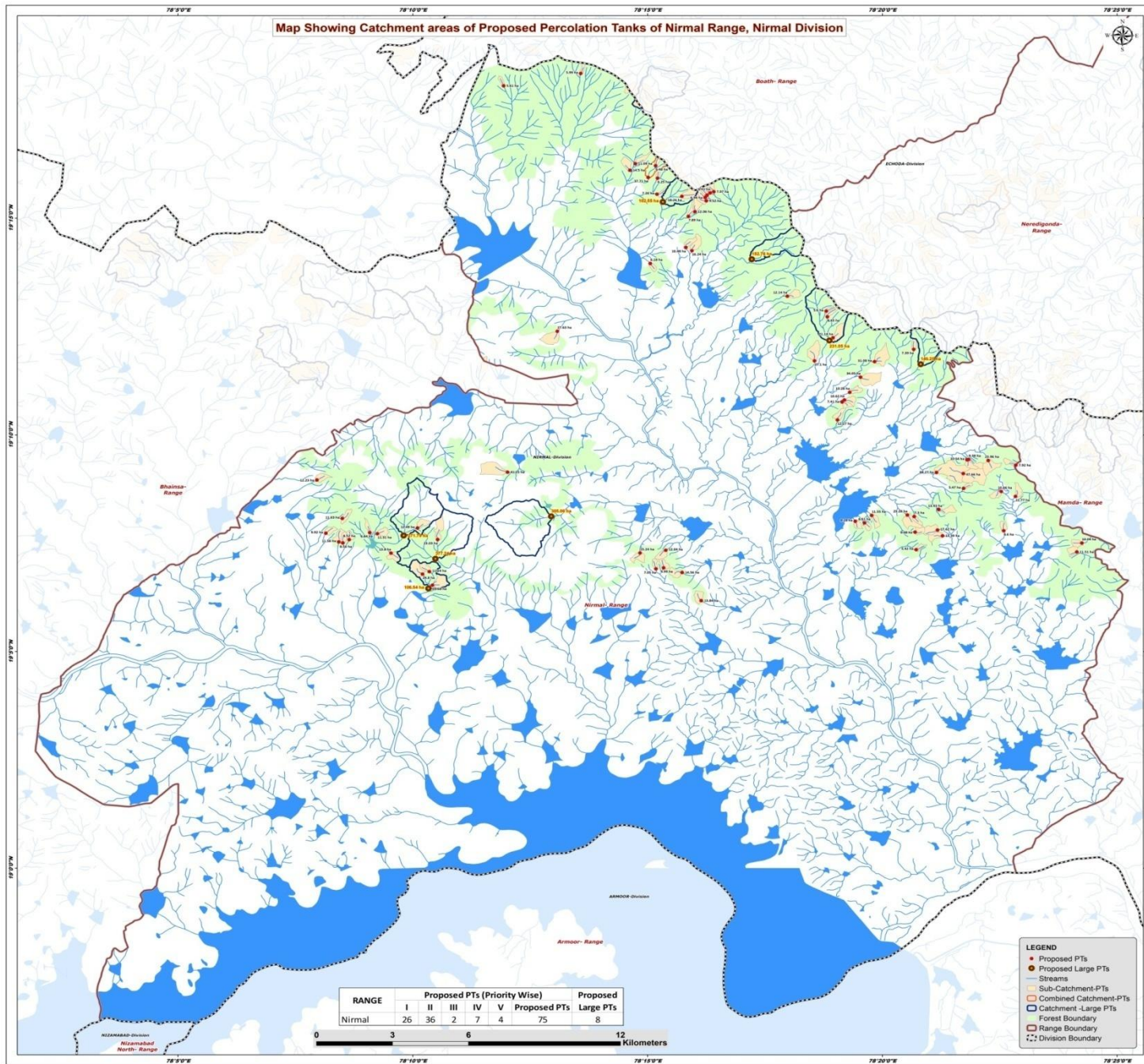
- Proposed PTs
- Proposed Large PTs
- Existing CDPs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Range Boundary
- Division Boundary
- Water Body

Suitability Index

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



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



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Nirmal	26	36	2	7	4	75
						8

0 3 6 12 Kilometers

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

Beat wise Abstract of Proposed PT's – Nirmal Range

S. No.	Beat	Proposed PT's
1	BAMINI	8
2	CHINCHOLI	17
3	DHANI	11
4	DILAWARPUR	6
5	JAM	6
6	JEWLY	1
7	JEWLY EAST	2
8	KOUTLA	12
9	NARSAPUR	6
10	NEELAIKET	5
11	PYARAMOOR	1
	Total	75

List of Proposed PTs – Nirmal Range

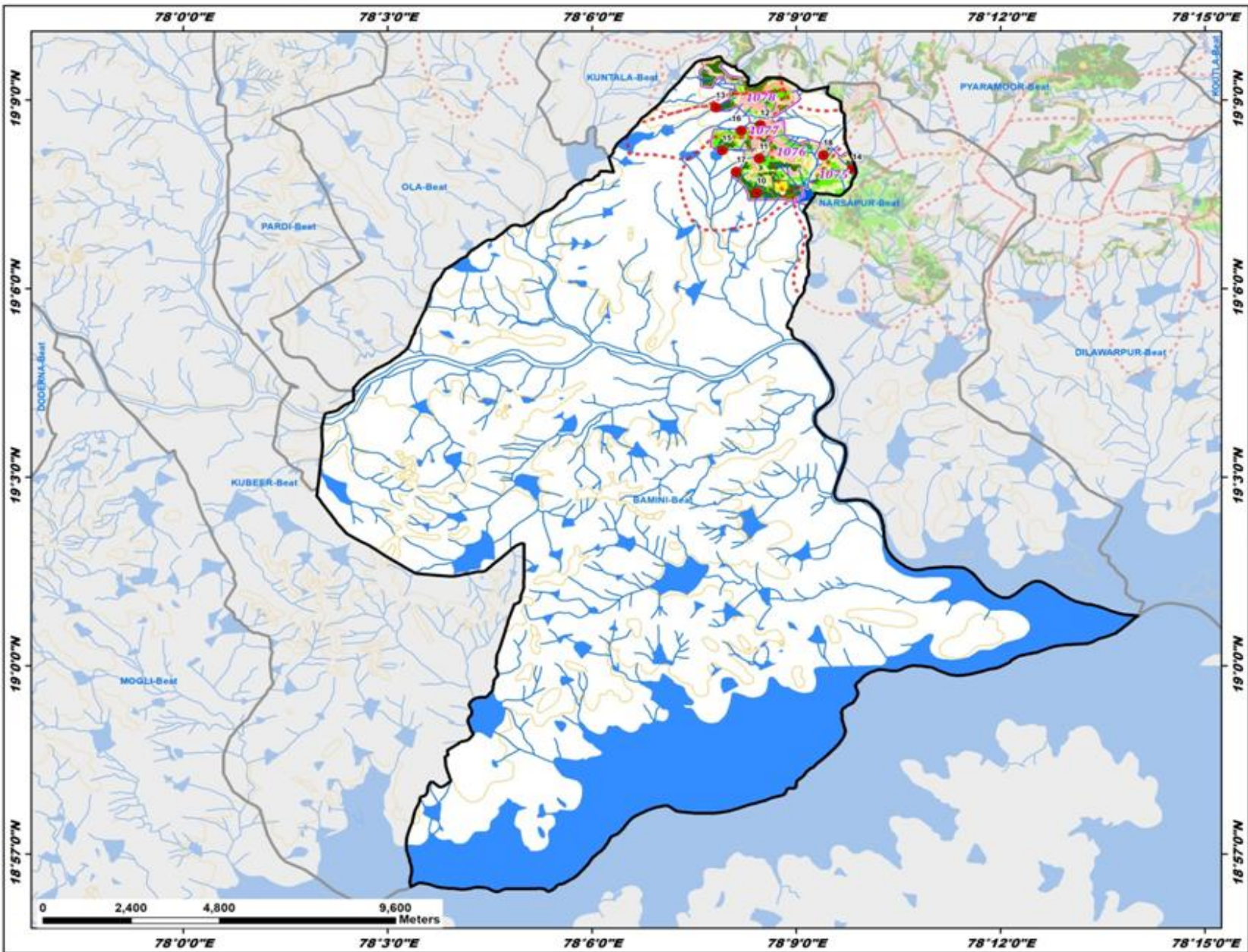
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
340	19.121237	78.247340	15.24	II	DILAWARPUR
341	19.113719	78.262287	14.56	II	DILAWARPUR
342	19.122293	78.256486	12.04	II	DILAWARPUR
343	19.102904	78.269074	13.84	II	DILAWARPUR
344	19.115506	78.255726	9.99	II	DILAWARPUR
345	19.115119	78.253006	7.05	II	DILAWARPUR
346	19.152325	78.200321	41.25	V	PYARAMOOR
347	19.125489	78.140398	11.58	I	BAMINI
348	19.134549	78.141653	11.63	I	BAMINI
349	19.149316	78.132613	12.23	I	BAMINI
350	19.128821	78.135793	9.92	I	BAMINI
351	19.126349	78.144084	8.52	I	BAMINI
352	19.125086	78.141822	8.56	I	BAMINI
353	19.129042	78.151393	6.84	II	BAMINI
354	19.128648	78.154081	11.31	IV	BAMINI
355	19.121194	78.158917	13.80	II	NARSAPUR
356	19.126392	78.175490	23.03	II	NARSAPUR
357	19.108854	78.173627	24.68	II	NARSAPUR
358	19.113098	78.170119	24.80	IV	NARSAPUR
359	19.114059	78.172575	11.24	IV	NARSAPUR
360	19.130856	78.168315	12.49	IV	NARSAPUR
361	19.135687	78.329568	11.55	I	CHINCHOLI
362	19.135255	78.344679	7.30	I	CHINCHOLI
363	19.135839	78.342244	23.28	I	CHINCHOLI
364	19.122509	78.345377	5.42	I	CHINCHOLI
365	19.133437	78.323742	8.28	II	CHINCHOLI
366	19.132826	78.327030	6.61	II	CHINCHOLI
367	19.127850	78.354734	13.39	II	CHINCHOLI
368	19.156829	78.370956	23.96	II	CHINCHOLI
369	19.129252	78.344972	9.48	II	CHINCHOLI
370	19.146074	78.362195	5.47	II	CHINCHOLI
371	19.157219	78.363997	9.38	II	CHINCHOLI
372	19.130057	78.352935	17.62	II	CHINCHOLI
373	19.137942	78.353352	13.43	II	CHINCHOLI
374	19.157085	78.363401	10.34	II	CHINCHOLI
375	19.151773	78.362096	47.66	III	CHINCHOLI
376	19.144897	78.375568	10.66	IV	CHINCHOLI
377	19.152212	78.352571	68.27	IV	CHINCHOLI
378	19.121625	78.402381	11.51	I	NEELAIKET
379	19.155002	78.380723	7.92	II	NEELAIKET

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
380	19.125070	78.404181	10.04	II	NEELAIKET
381	19.129794	78.376440	8.60	II	NEELAIKET
382	19.142988	78.380637	11.77	II	NEELAIKET
383	19.183040	78.321773	10.28	I	DHANI
384	19.199558	78.344495	7.39	I	DHANI
385	19.212083	78.313854	8.65	II	DHANI
386	19.204017	78.315820	21.14	II	DHANI
387	19.214286	78.313420	5.60	II	DHANI
388	19.172435	78.317424	12.27	II	DHANI
389	19.180102	78.319910	10.62	II	DHANI
390	19.195141	78.309259	27.10	III	DHANI
391	19.179326	78.319055	7.41	IV	DHANI
392	19.194844	78.330611	31.08	V	DHANI
393	19.188865	78.325606	34.05	V	DHANI
394	19.220025	78.299610	12.14	I	JAM
395	19.256700	78.270857	9.52	I	JAM
396	19.259757	78.272219	6.41	I	JAM
397	19.258040	78.270480	6.94	I	JAM
398	19.260230	78.273506	7.97	I	JAM
399	19.258908	78.271130	4.96	I	JAM
400	19.300970	78.198913	5.61	I	JEWLY
401	19.305704	78.226296	5.99	I	JEWLY EAST
402	19.206532	78.217975	27.63	V	JEWLY EAST
403	19.268488	78.243751	14.50	I	KOUTLA
404	19.270994	78.245656	11.09	I	KOUTLA
405	19.270237	78.252855	6.48	I	KOUTLA
406	19.238744	78.263600	10.48	I	KOUTLA
407	19.259276	78.253336	7.26	I	KOUTLA
408	19.252539	78.266825	12.06	II	KOUTLA
409	19.258440	78.262168	18.26	II	KOUTLA
410	19.237542	78.265774	16.24	II	KOUTLA
411	19.232612	78.250967	6.18	II	KOUTLA
412	19.265378	78.253525	6.25	II	KOUTLA
413	19.250746	78.264507	7.89	II	KOUTLA
414	19.265691	78.250234	37.71	II	KOUTLA

Map Showing Suitability index for Construction of SMC Works of Bamini Beat



Division : Nirmal
Range : Nirmal



ID	Latitude	Longitude	Area_ha	Priority
10	19.125310	78.140359	10.89	I
11	19.134528	78.141010	11.91	I
12	19.143348	78.141213	10.92	I
13	19.148008	78.130327	30.27	II
14	19.131736	78.163708	48.69	III
15	19.136684	78.131877	33.57	III
16	19.141883	78.136526	9.91	IV
17	19.130934	78.135345	11.46	IV
18	19.135390	78.156667	57.60	V

Legend

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

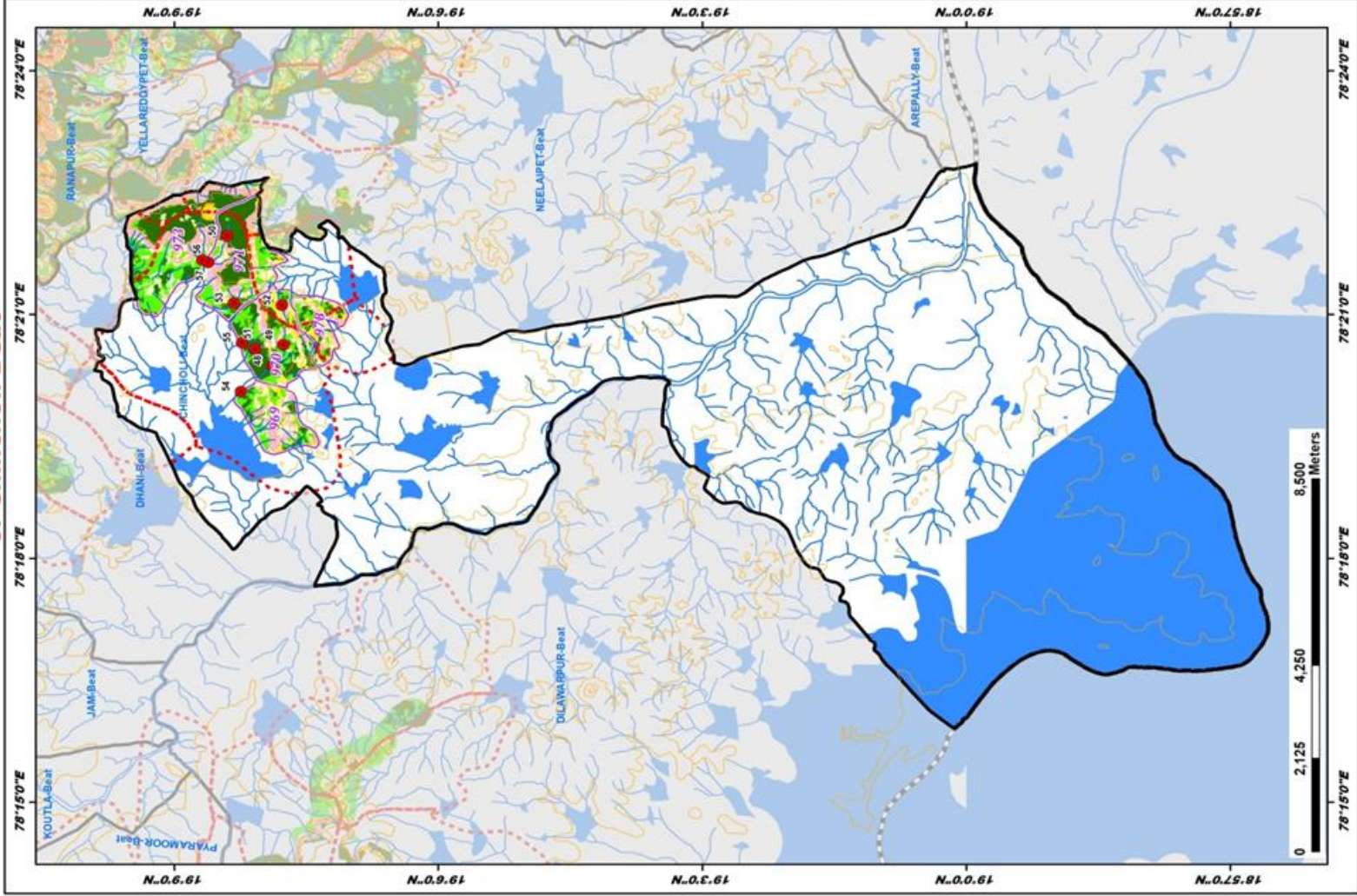
Suitability Index

- 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 Chincholi Beat



Division : Nirmal
Range : Nirmal



ID	Latitude	Longitude	Area	ha	Priority
48	19.131370	78.339605	21.39		I
49	19.129316	78.343930	14.43		I
50	19.139930	78.366225	17.56		I
51	19.134669	78.343040	13.08		I
52	19.129570	78.351990	12.40		II
53	19.138662	78.352475	22.70		II
54	19.137325	78.334330	45.53		II
55	19.137164	78.344353	41.33		III
56	19.143496	78.360829	49.22		III
57	19.144720	78.361278	59.70		V

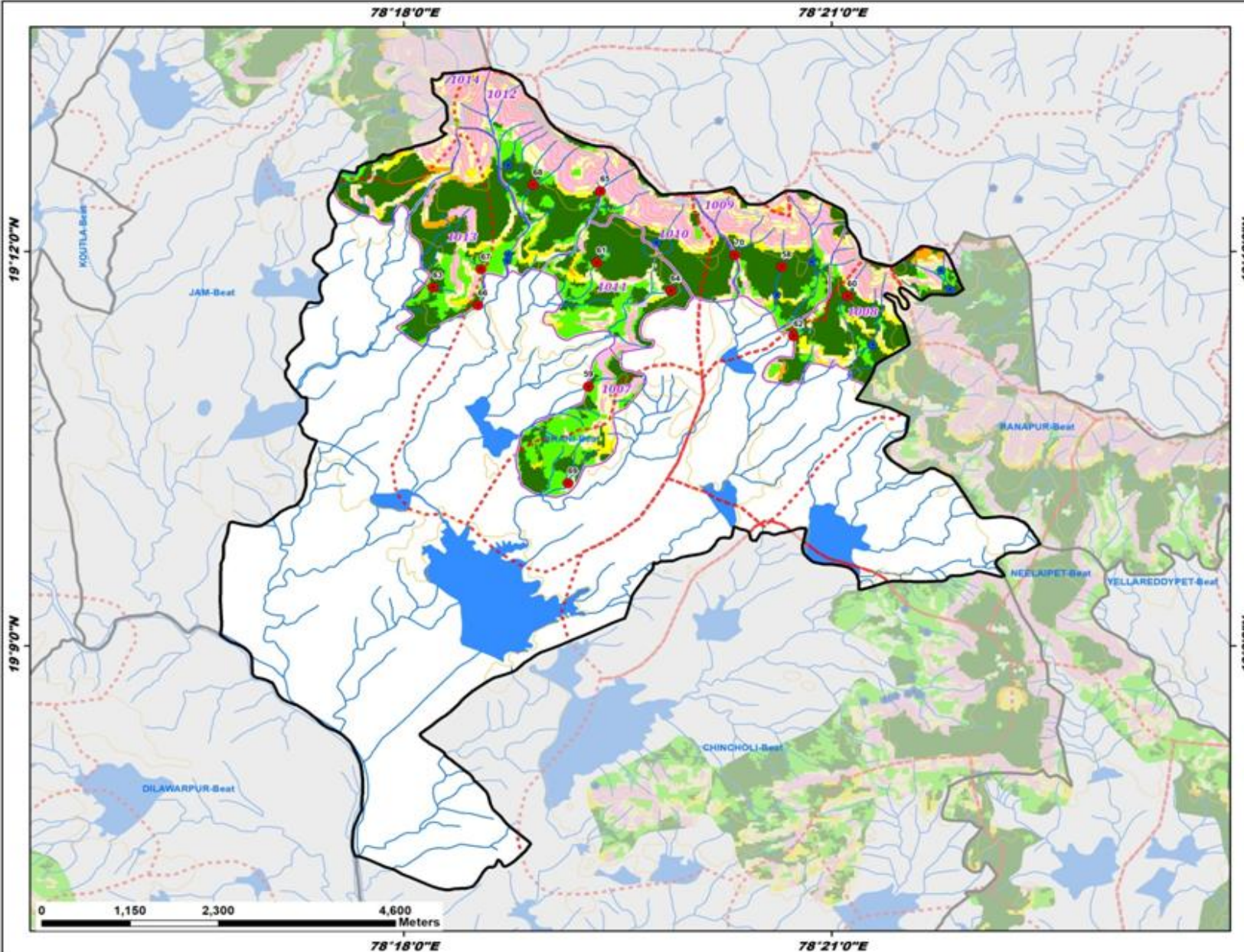
LEGEND

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

Map Showing Suitability index for Construction of SMC Works of Dhani Beat



Division : Nirmal
Range : Nirmal



ID	Latitude	Longitude	Area_ha	Priority
58	19.198029	78.344175	15.94	I
59	19.182867	78.321581	11.26	I
60	19.194334	78.351857	12.20	I
61	19.198572	78.322547	23.17	I
62	19.189258	78.345558	11.36	I
63	19.195417	78.303407	12.76	I
64	19.194994	78.331194	31.37	II
65	19.207609	78.322952	34.88	II
66	19.193162	78.308683	12.47	II
67	19.197749	78.309004	19.85	II
68	19.208436	78.315121	35.40	II
69	19.170624	78.319176	25.37	III
70	19.199555	78.338668	71.83	V

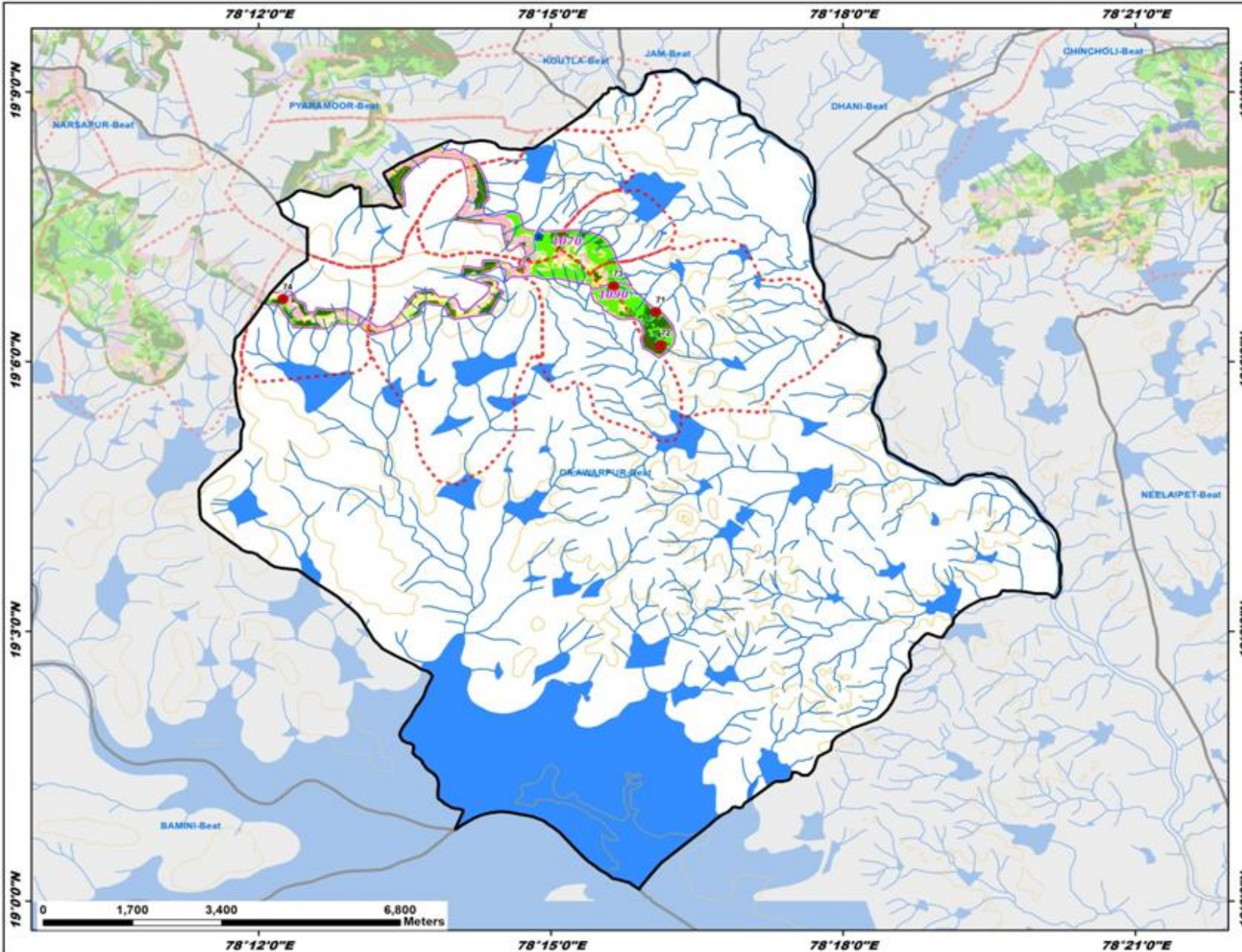
Legend

- 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 Dilawarpur Beat



Division : Nirmal
Range : Nirmal



ID	Latitude	Longitude	Area_ha	Priority
71	19.109197	78.267972	11.66	I
72	19.103076	78.268850	13.45	II
73	19.114010	78.260751	11.86	II
74	19.111579	78.204195	96.37	IV

Legend

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

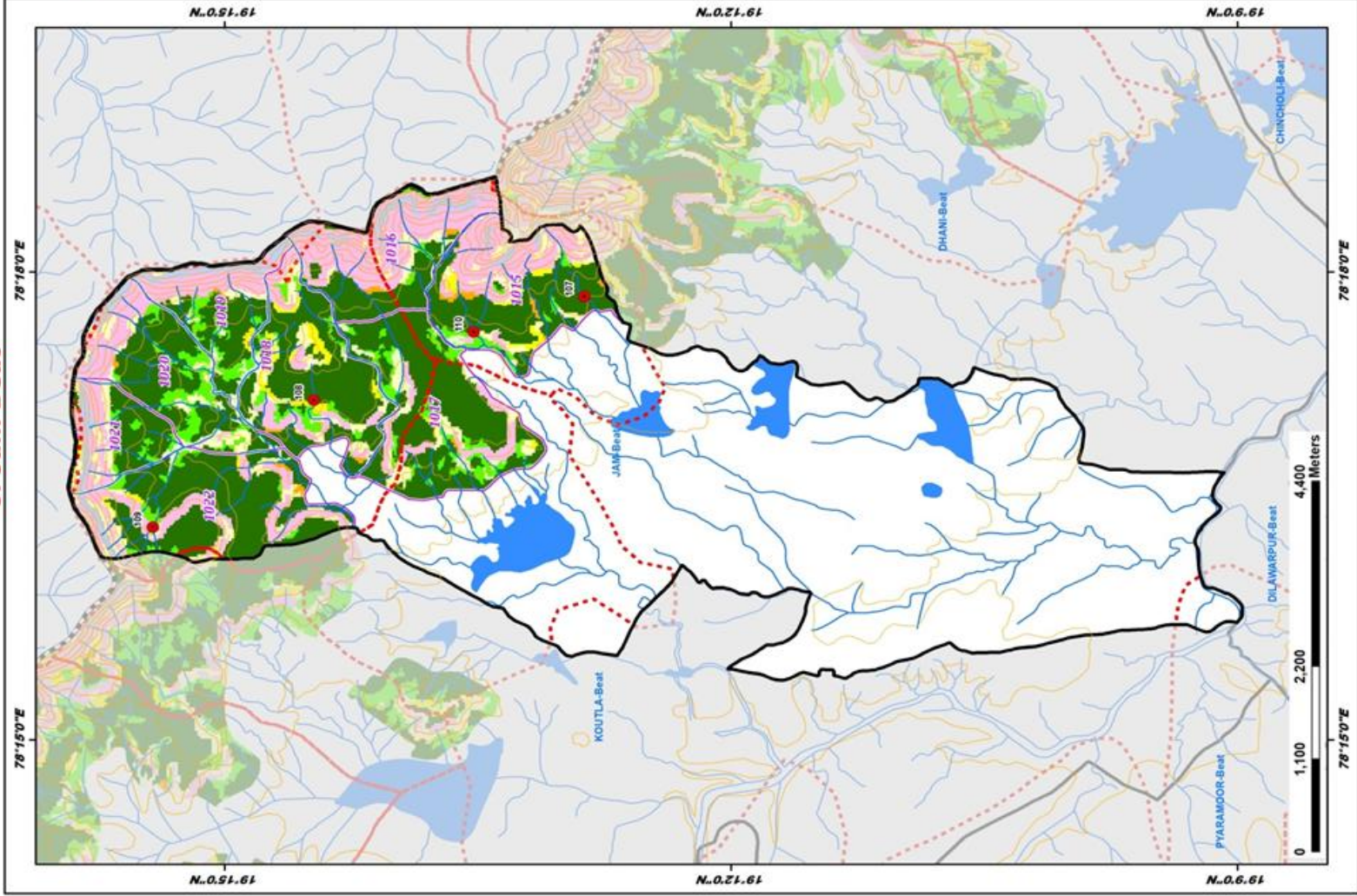
Suitability Index

- 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 Jam Beat



Division : Nirmal
Range : Nirmal



ID	Latitude	Longitude	Area ha	Priority
107	19.214886	78.297821	12.70	I
108	19.241152	78.286552	12.30	I
109	19.257050	78.272785	30.42	III
110	19.225379	78.296229	36.98	V

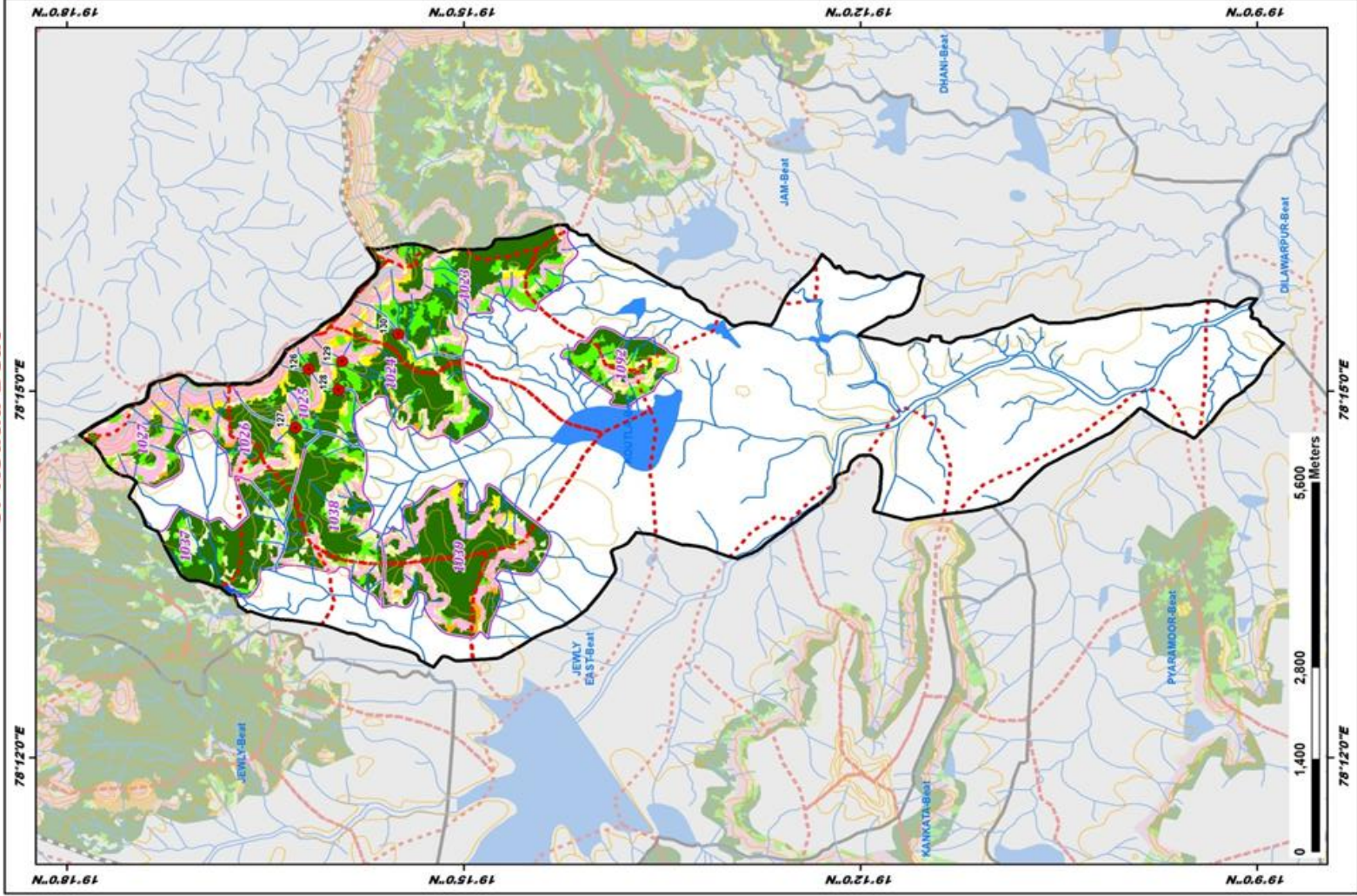
LEGEND

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

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



Division : Nirmal
Range : Nirmal



ID	Latitude	Longitude	Area_ha	Priority
126	19.269503	78.253048	10.71	I
127	19.271146	78.245090	46.44	II
128	19.265758	78.250235	27.02	II
129	19.265326	78.254117	33.62	III
130	19.258198	78.257880	69.37	III

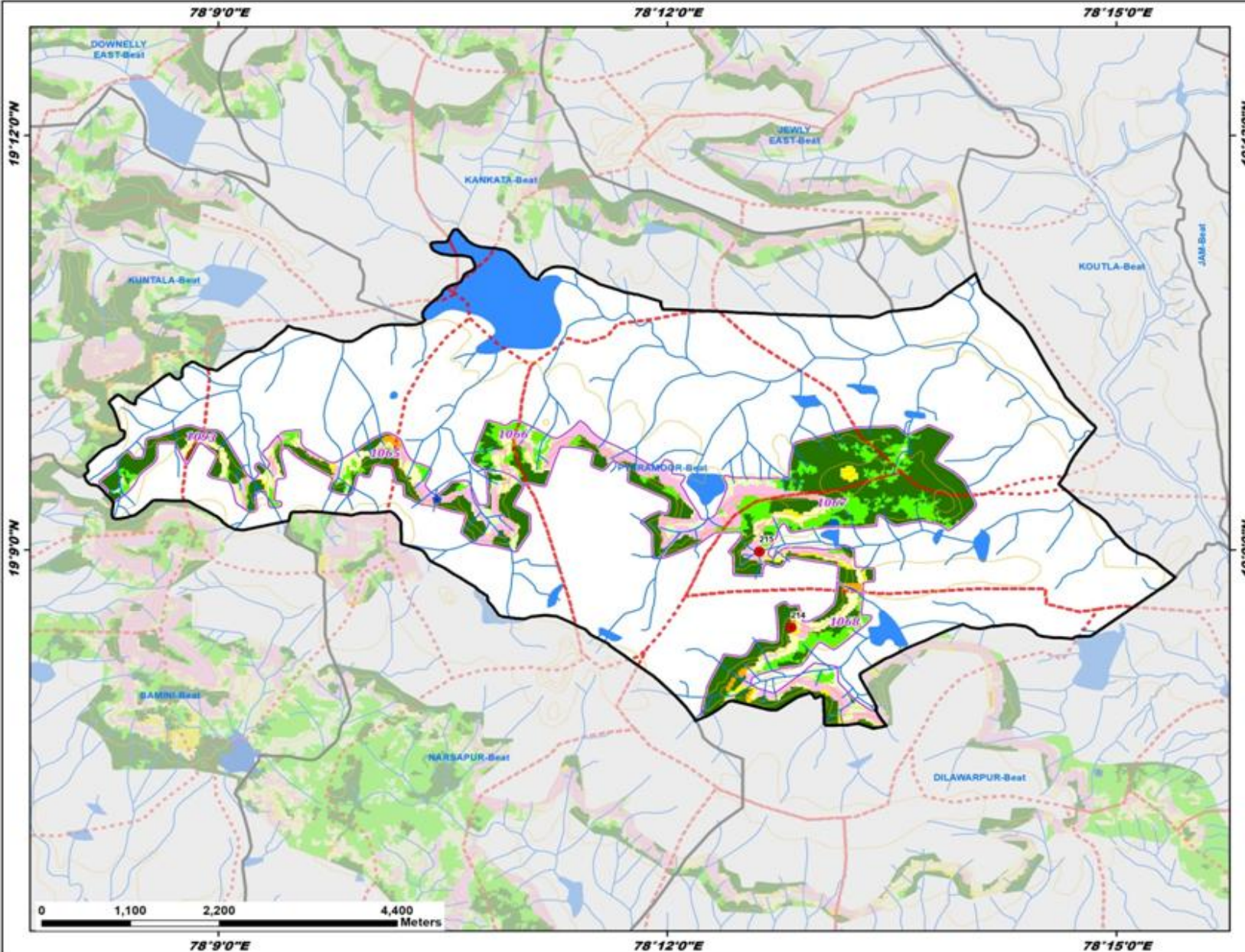
LEGEND

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

Map Showing Suitability index for Construction of SMC Works of Pyramoor Beat



Division : Nirmal
Range : Nirmal



ID	Latitude	Longitude	Area_ha	Priority
214	19.140609	78.213769	13.75	I
215	19.149784	78.210257	75.26	V

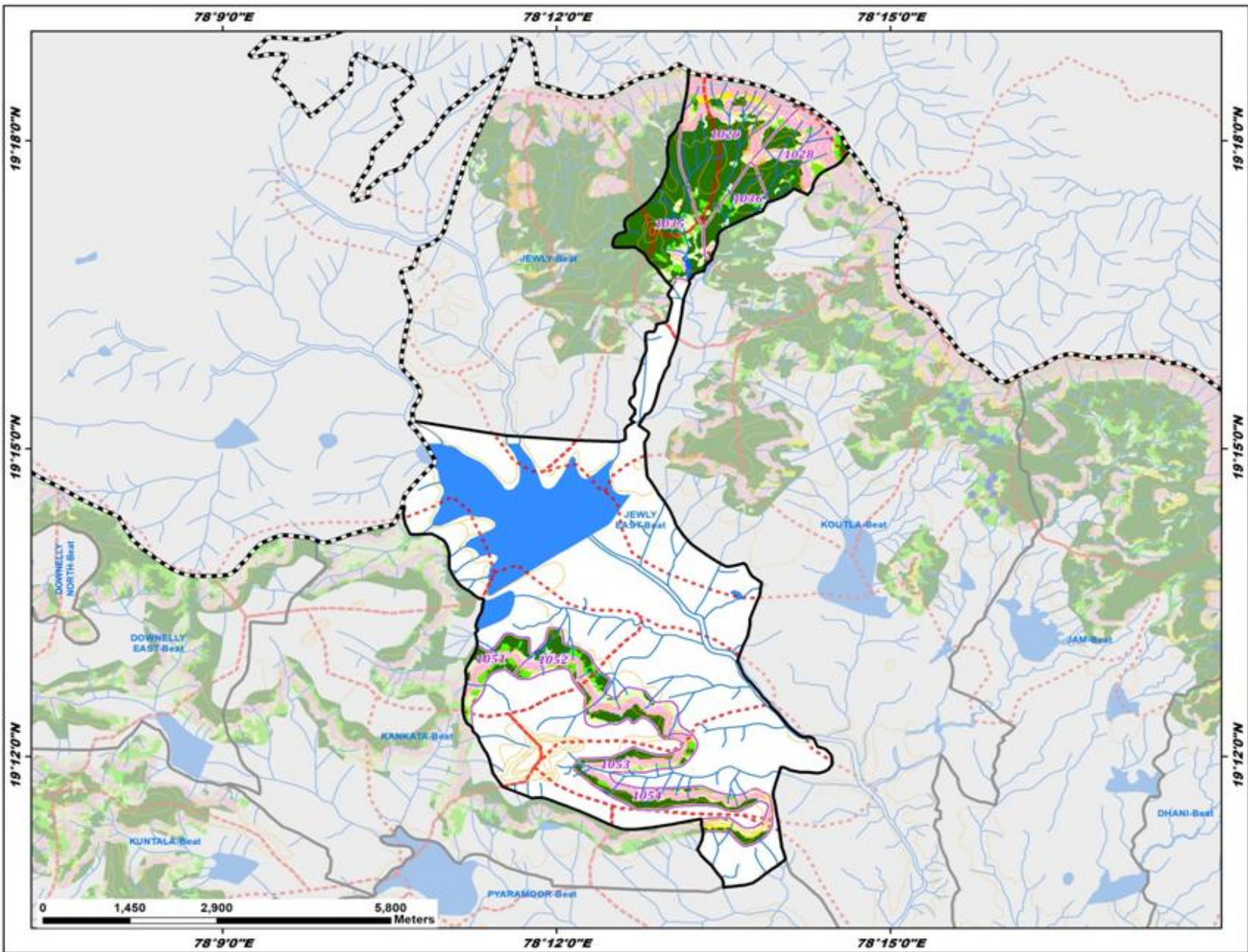
Legend

- 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 Jewly East Beat



Division : Nirmal
Range : Nirmal

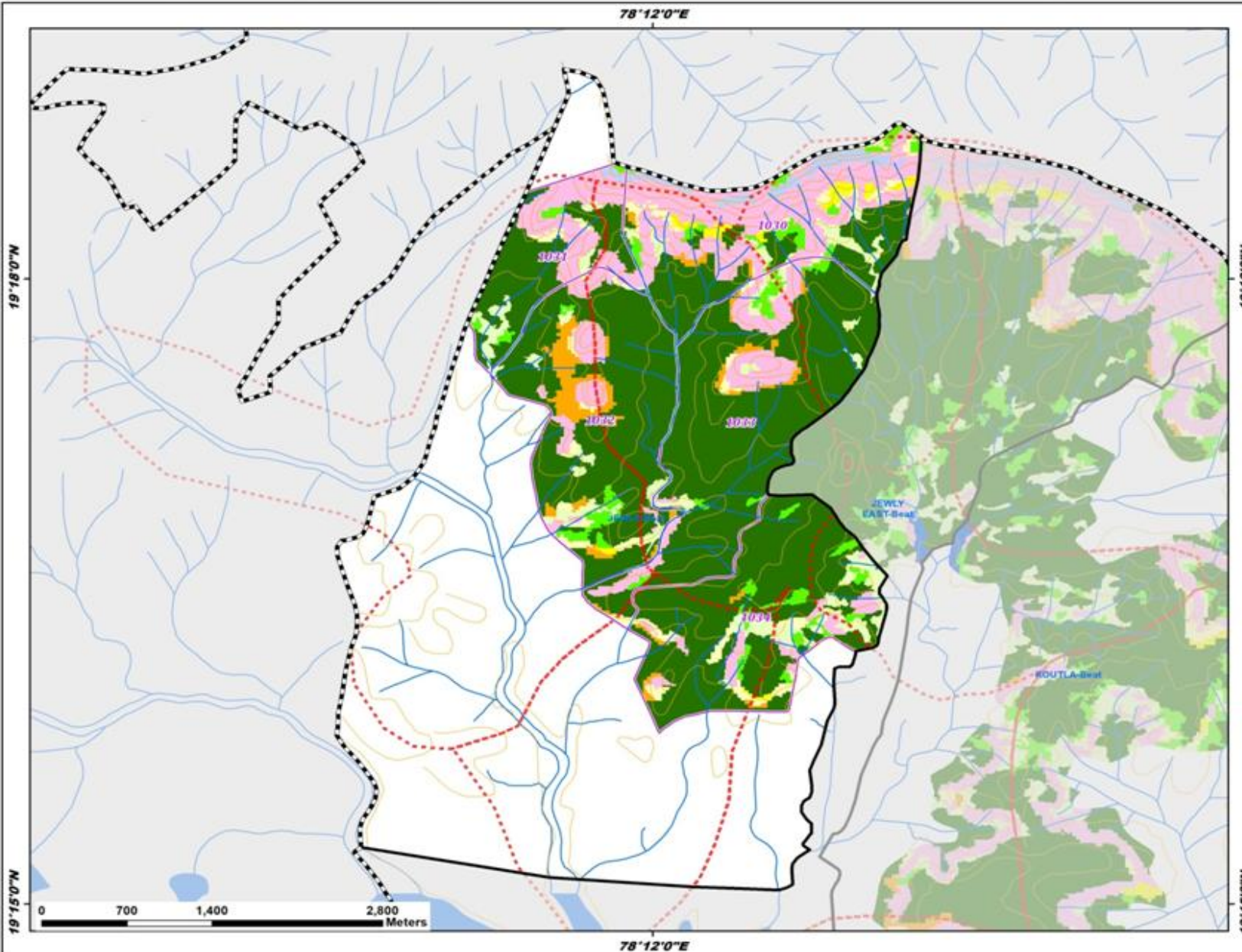


- Legend**
- Existing CD/PTs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
 - CCTs/SCTs - Moderately Suitable
 - CCTs/SCTs - Least Suitable
 - PTs - Highly Suitable
 - PTs - Moderately Suitable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

Map Showing Suitability index for Construction of SMC Works of Jewly Beat



Division : Nirmal
Range : Nirmal



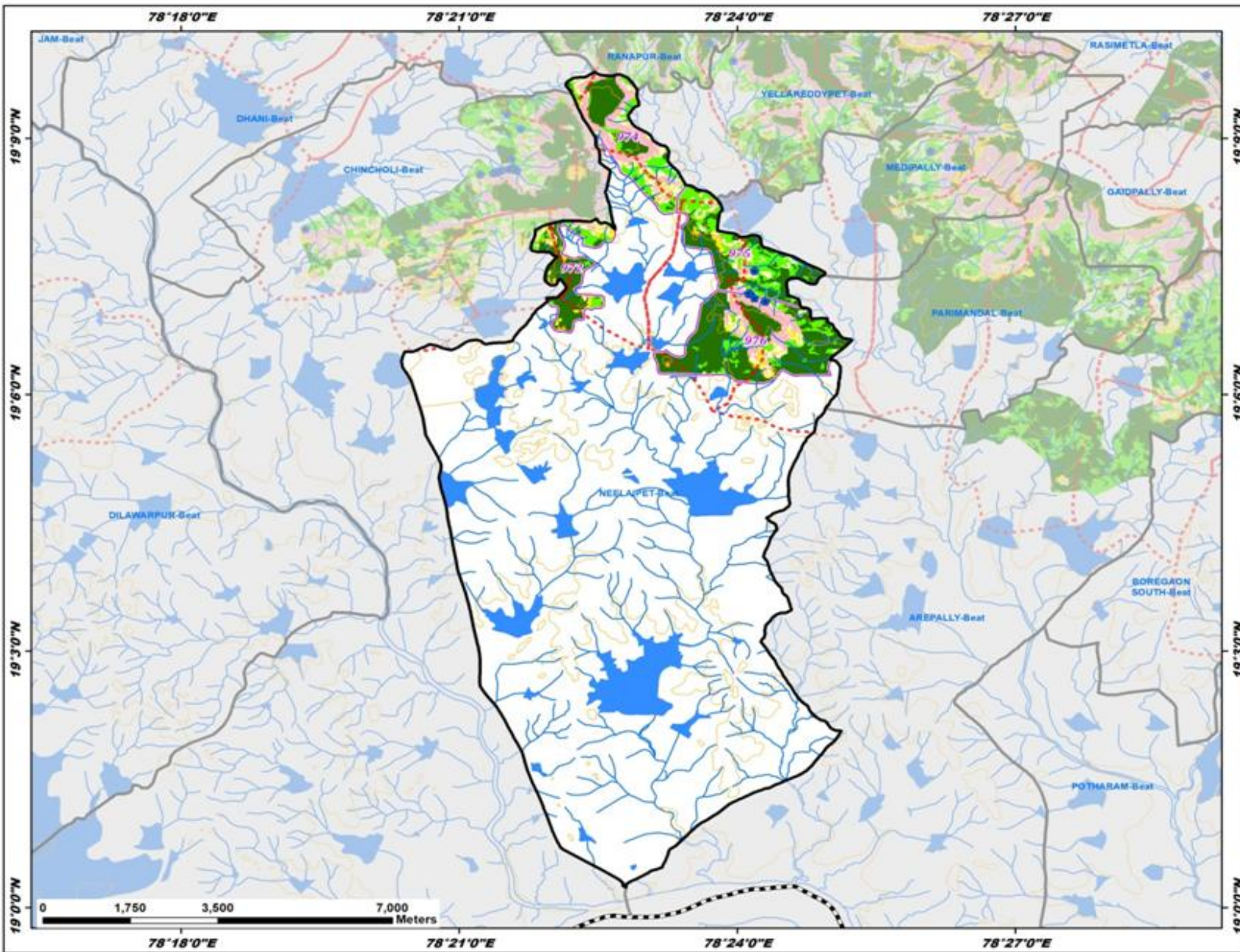
Legend

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

Map Showing Suitability index for Construction of SMC Works of Neelaipet Beat



Division : Nirmal
Range : Nirmal



Legend

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

Suitability Index

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