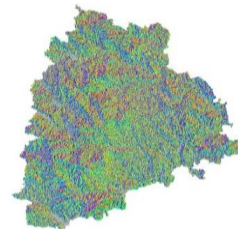
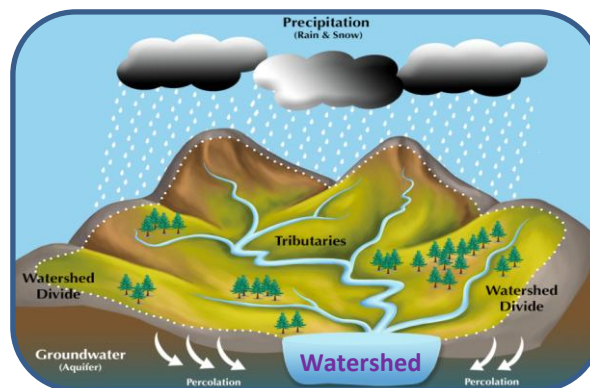


Government of Telangana – Forest Department



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

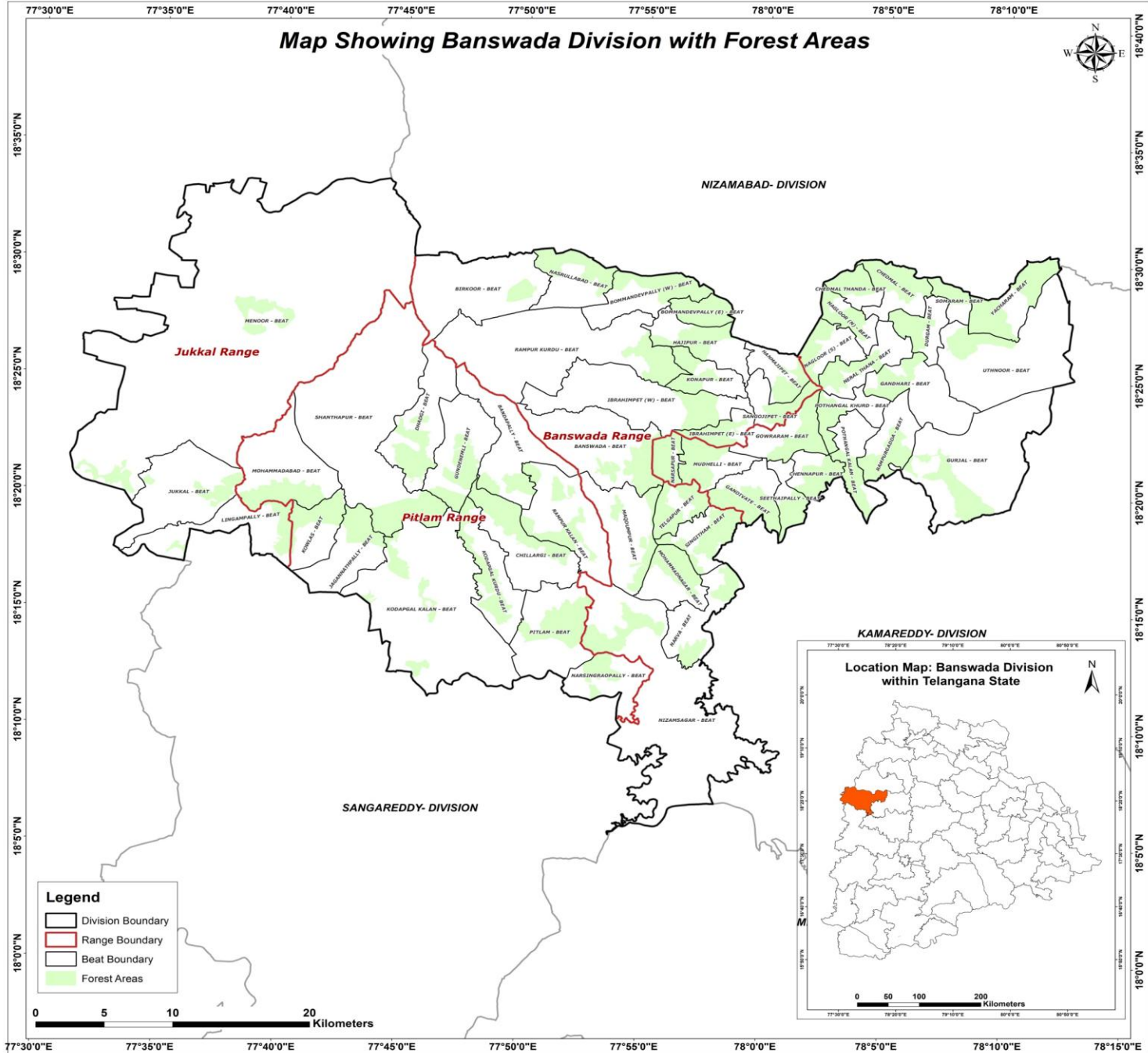


SITE SUITABILITY ANALYSIS FOR WATER HARVESTING STRUCTURES USING REMOTE SENSING & GIS

Circle: Rajanna
District: Banswada
Division: Banswada

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

Map Showing Banswada Division with Forest Areas



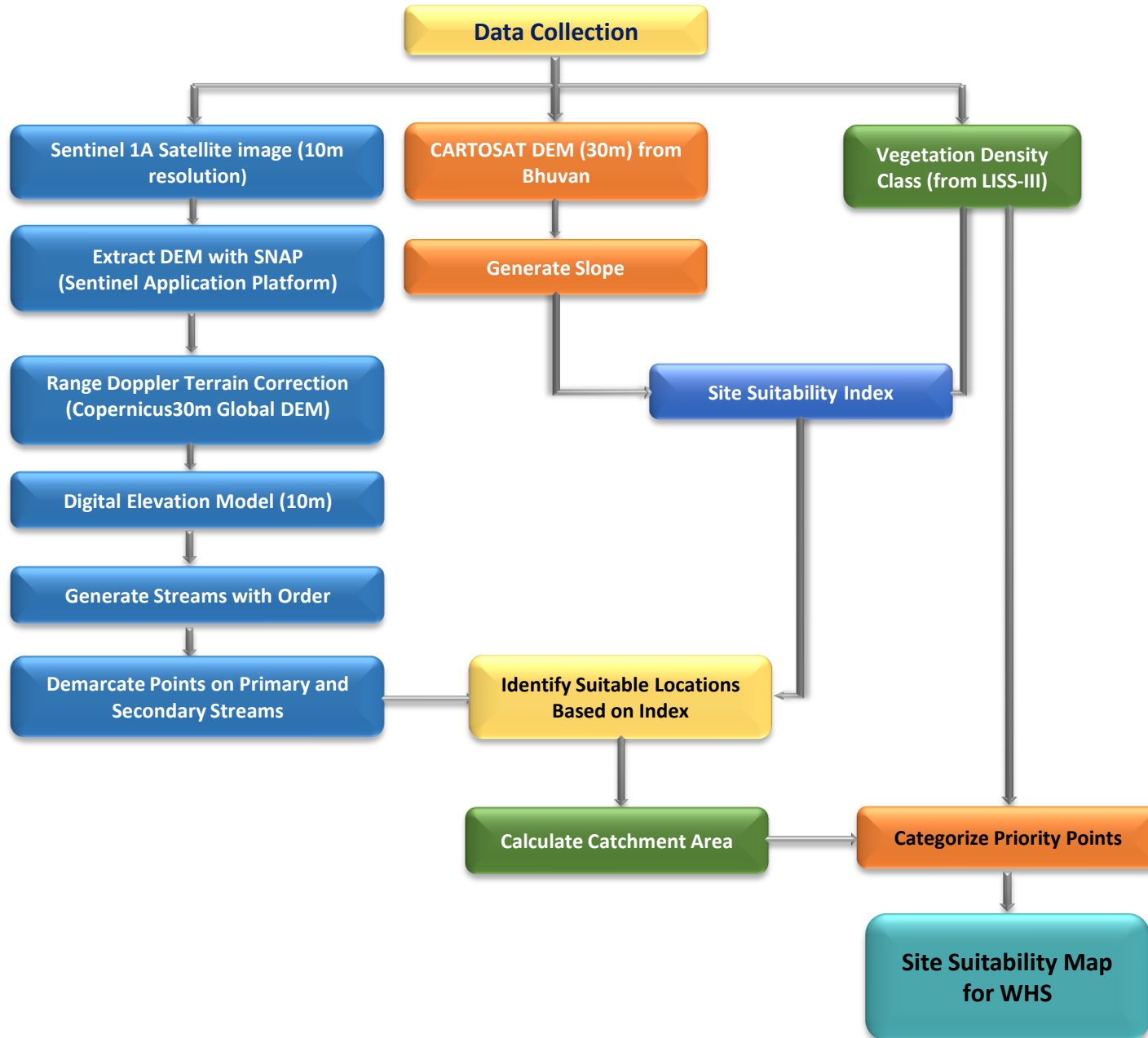
METHODOLOGY

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

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



FLOW CHART FOR METHODOLOGY



Guidelines for building Percolation Tanks:

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



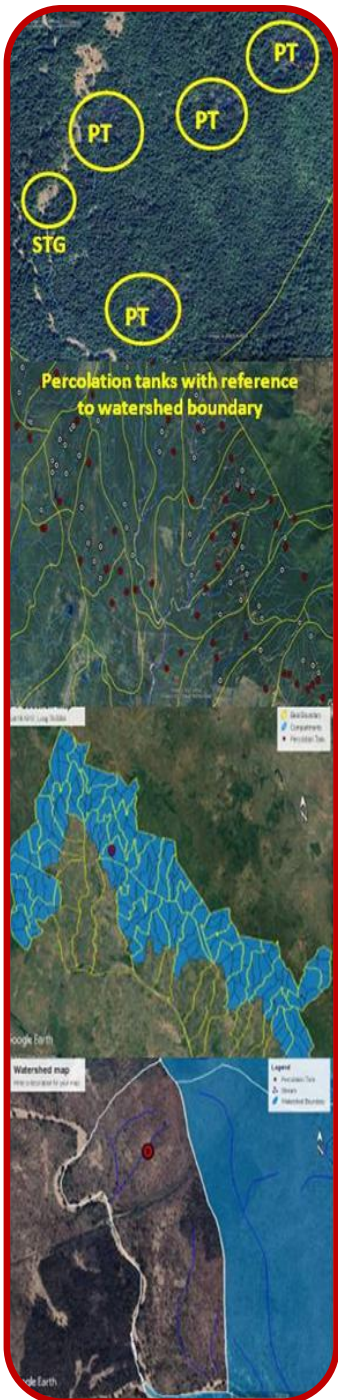
Suitability criteria for Check-Dams and Percolation Tanks (SITE SUITABILITY INDEX)

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

Suitability criteria for Continuous/Staggered contour trenches

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





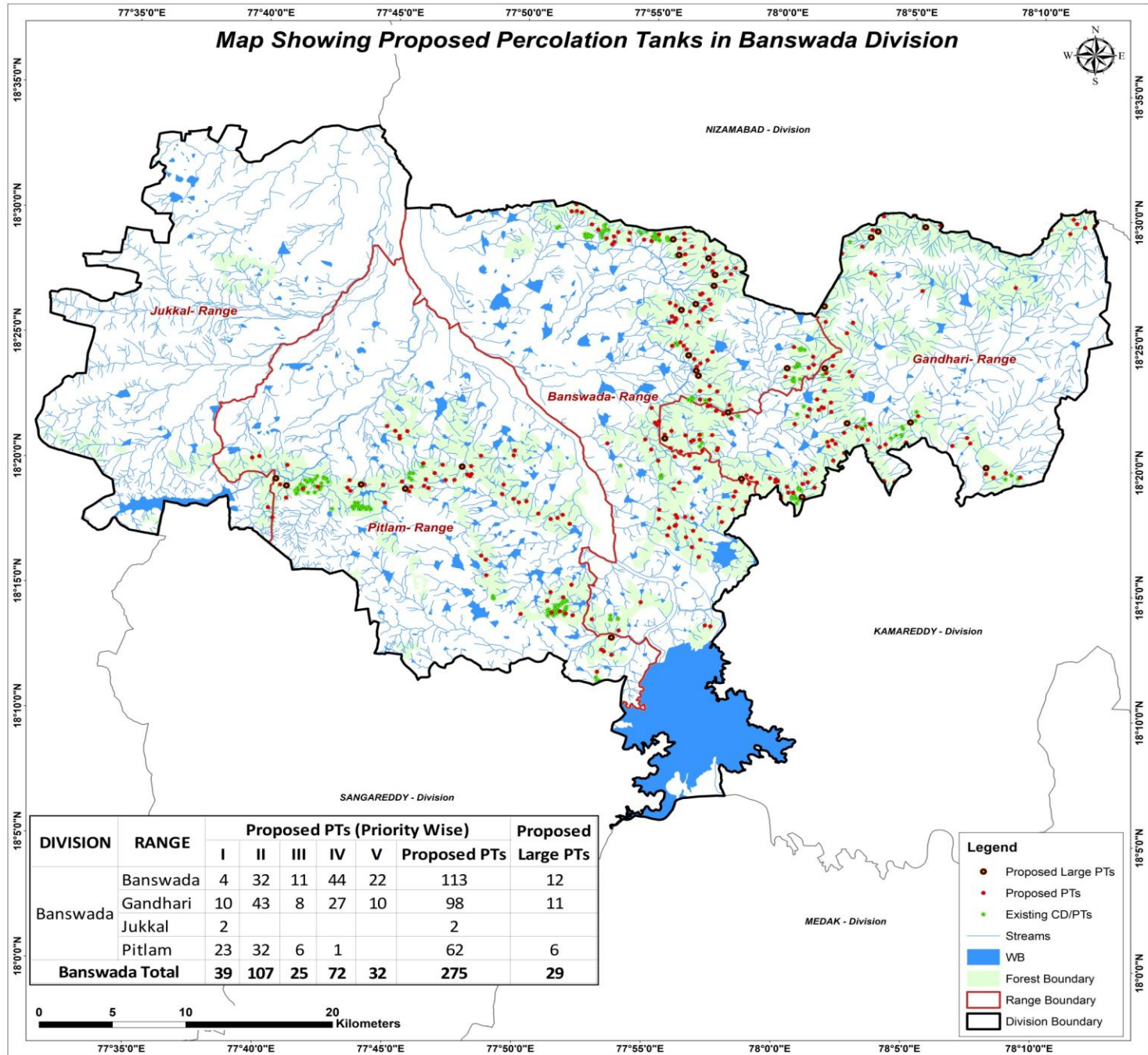
PRIORITY CLASSES FOR PERCOLATION TANK

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





Map Showing Proposed Percolation Tanks in Banswada Division



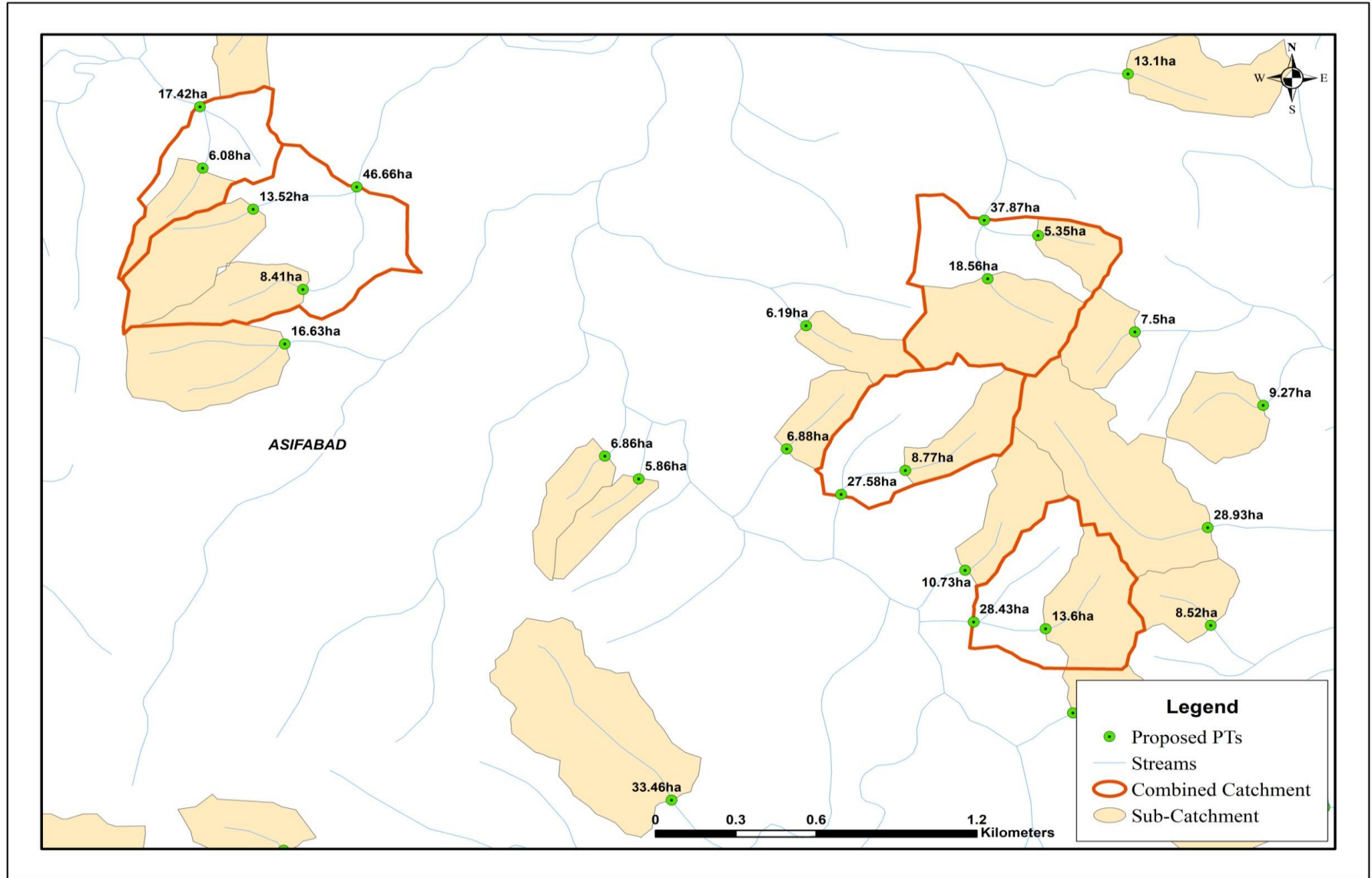
DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
		I	II	III	IV	V		
Banswada	Banswada	4	32	11	44	22	113	12
	Gandhari	10	43	8	27	10	98	11
	Jukkal	2					2	
	Pitlam	23	32	6	1		62	6
Banswada Total		39	107	25	72	32	275	29

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



Map showing the geographical layout of the Banswada Division, divided into four ranges: Jukkal-Range, Pitlam-Range, Banswada-Range, and Gandhari-Range. The map includes a coordinate grid with longitude (77°35'0"E to 78°10'0"E) and latitude (18°0'0"N to 18°35'0"N) markers. Neighboring divisions are labeled: NIZAMABAD - Division to the north, KAMAREDDY - Division to the east, SANGAREDDY - Division to the south, and MEDAK - Division to the southwest. A large water body (WB) is shown in the southern part of the division. The legend defines symbols for Proposed Large PTs, Proposed PTs, Existing CD/PTs, Streams, WB, Forest Boundary, Range Boundary, and Division Boundary. A scale bar at the bottom left indicates distances up to 20 Kilometers.

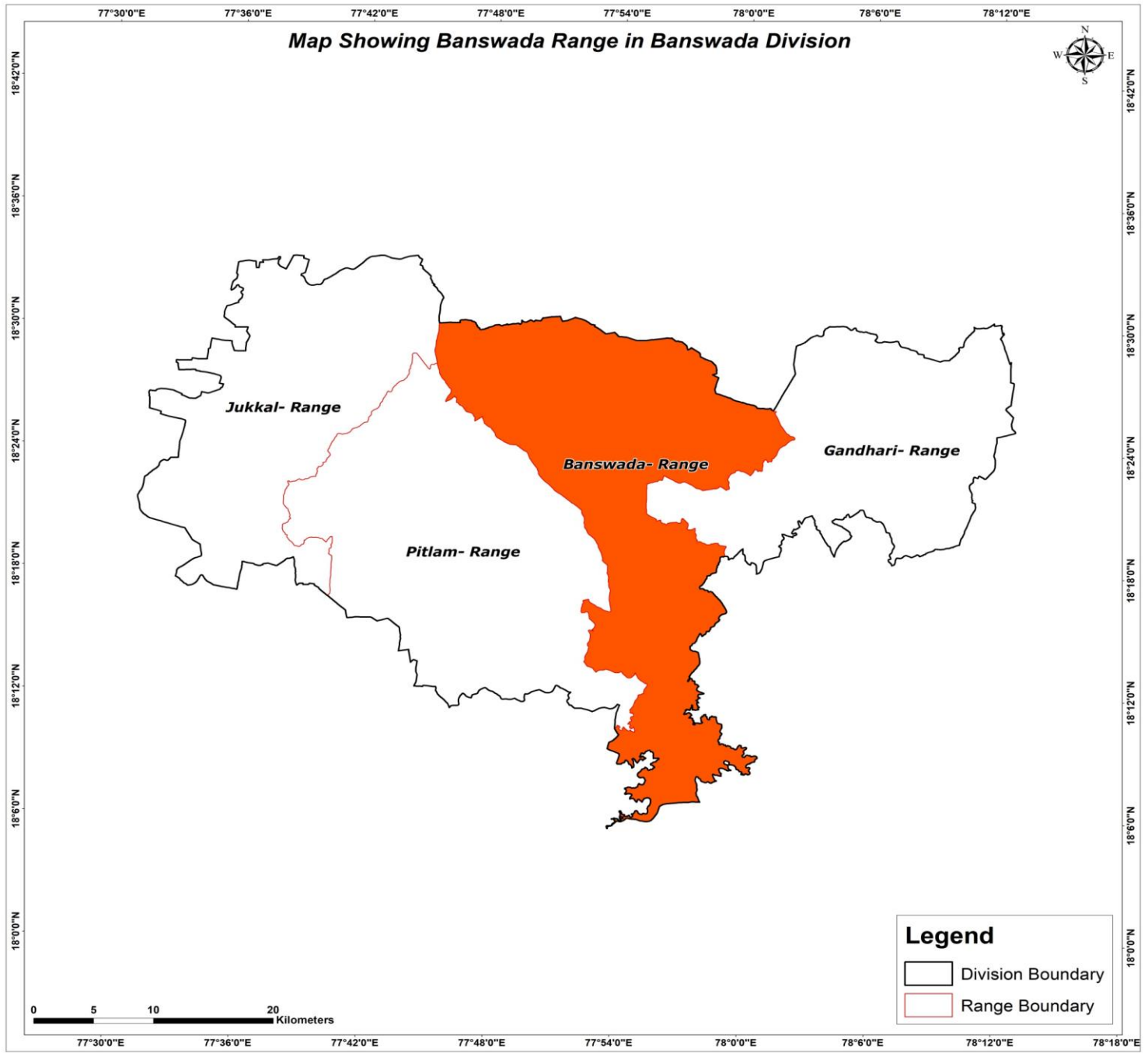
CATCHMENT AREA



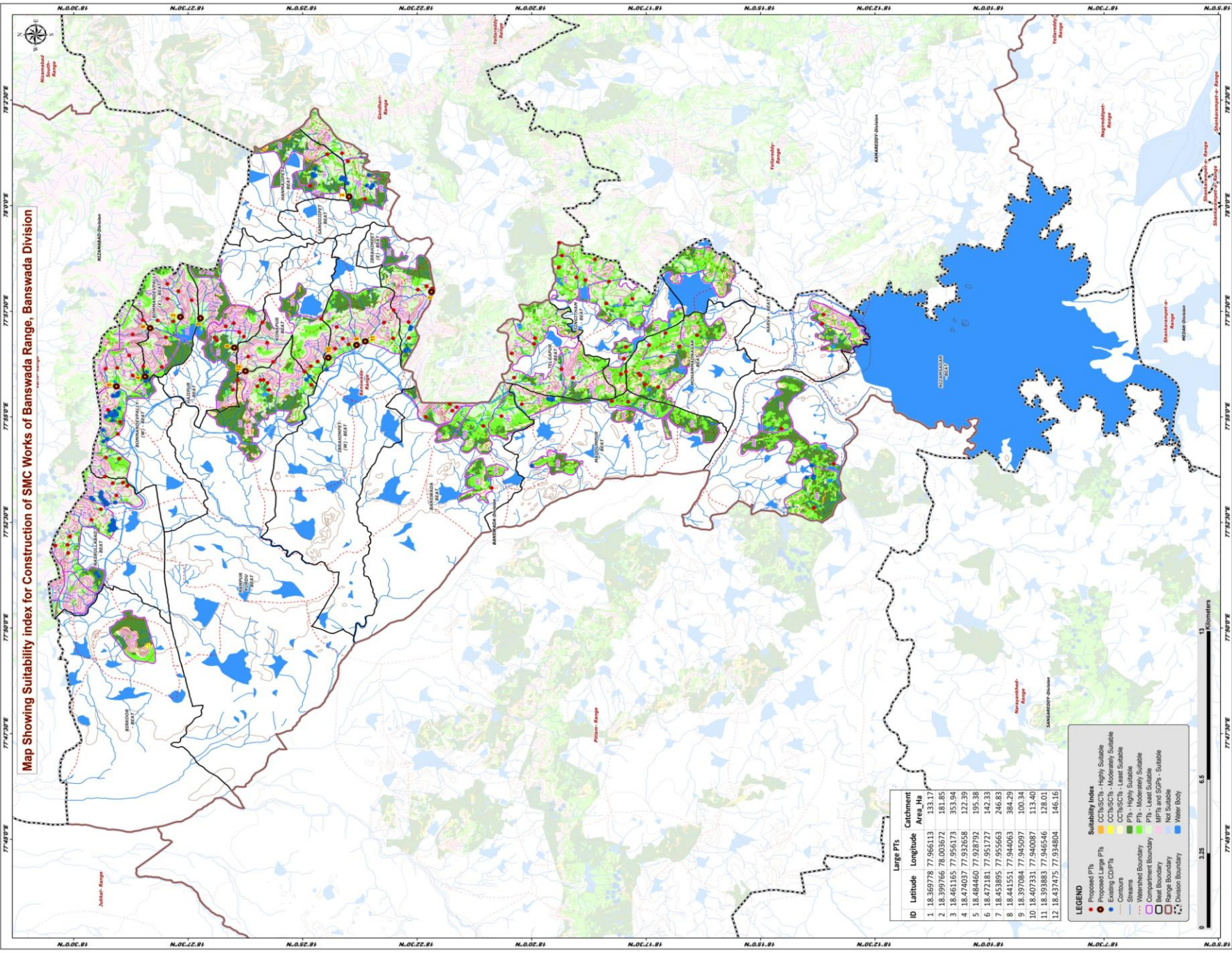
Sample Catchment Map



Map Showing Banswada Range in Banswada Division



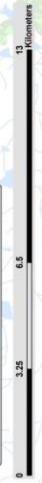
Map Showing Suitability Index for Construction of SMC Works of Banswada Range, Banswada Division



ID	Latitude	Longitude	Catchment Area_sq
1.	18.369778	77.966113	133.17
2.	18.399766	78.003672	181.85
3.	18.461165	77.956173	353.94
4.	18.474037	77.932658	122.39
5.	18.484460	77.928792	195.38
6.	18.472181	77.951727	142.33
7.	18.453895	77.955663	246.83
8.	18.441551	77.944063	384.29
9.	18.397084	77.945097	100.34
10.	18.407331	77.940087	113.40
11.	18.393883	77.946546	128.01
12.	18.437475	77.934804	146.15

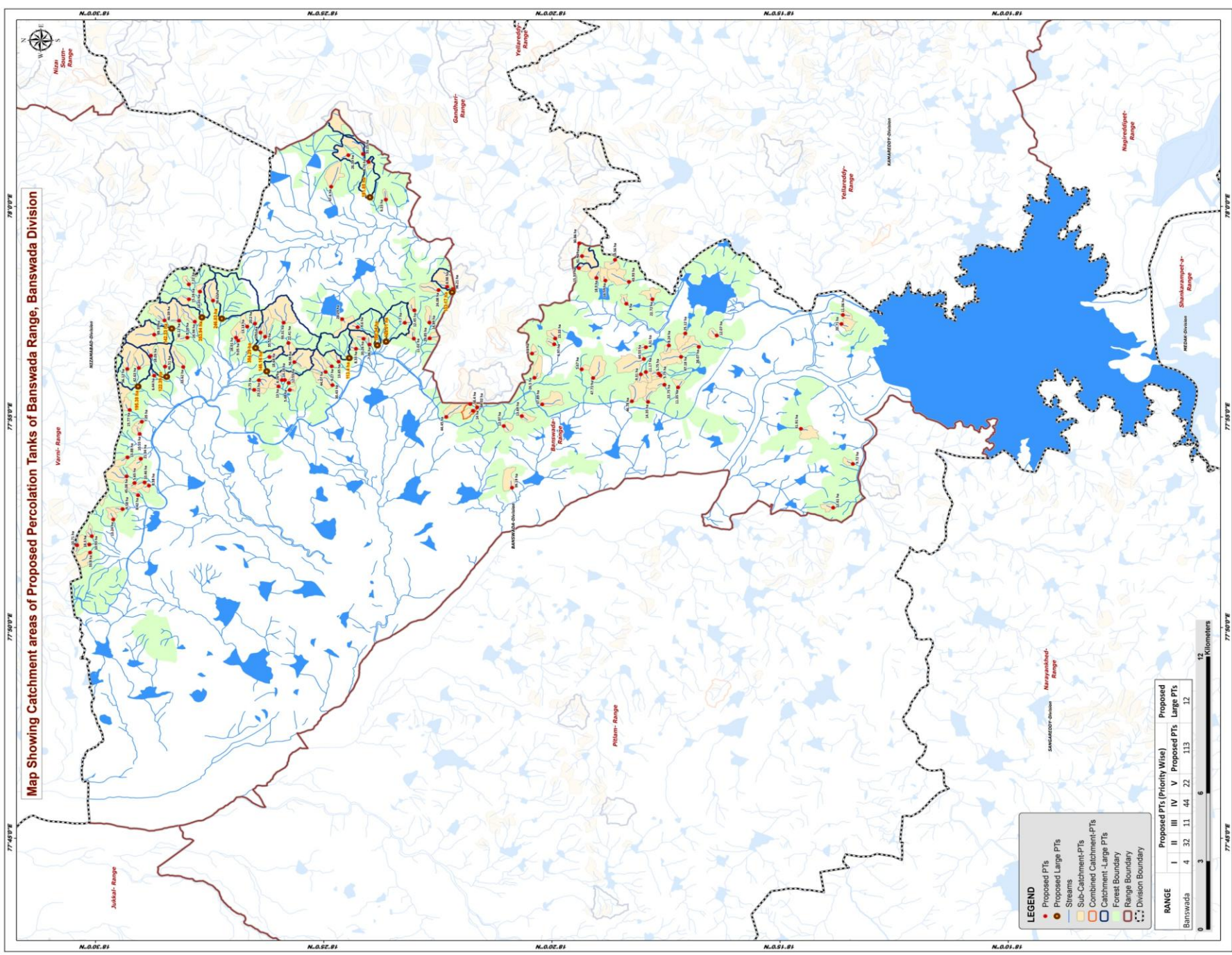
LEGEND

- Proposed PTs
- Existing CDPs
- Contours
- Streams
- Containment Boundary
- Best Boundary
- Range Boundary
- Division Boundary
- Proposed PTs - Highly Suitable
- Existing CDPs - Moderately Suitable
- Contours - Least Suitable
- Streams - Highly Suitable
- Containment Boundary - Highly Suitable
- Best Boundary - Least Suitable
- Range Boundary - Suitable
- Division Boundary - Not Suitable
- Water Body



Map showing the suitability index for construction of SMC works in the Banswada Range, Banswada Division. The map includes a grid of latitude and longitude coordinates. The suitability index is color-coded: red for highly suitable, yellow for moderately suitable, green for least suitable, and blue for not suitable. The map also shows the boundaries of various ranges and divisions within the area.

Map Showing Catchment areas of Proposed Percolation Tanks of Banswada Range, Banswada 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	
Banswada	4	32	11	44	22	113
	0	3		6		12



Beat wise Abstract of Proposed PT's – Banswada Range

S. No.	Beat	Proposed PT's
1	BANSWADA	7
2	BOMMANDEVPALLY EAST	8
3	BOMMANDEVPALLY WEST	13
4	HAJIPUR	8
5	HANMAJIPET	2
6	IBRAHIMPET EAST	5
7	IBRAHIMPET WEST	7
8	KONAPUR	5
9	MAQDUMPUR	3
10	MOHAMMADNAGAR	10
11	NARVA	2
12	NASRULLABAD	10
13	NIZAMSAGAR	3
14	RAMPUR KURDU	9
15	SANGOJIPET	3
16	SINGITHAM	12
17	TELGAPUR	6
	Total	113

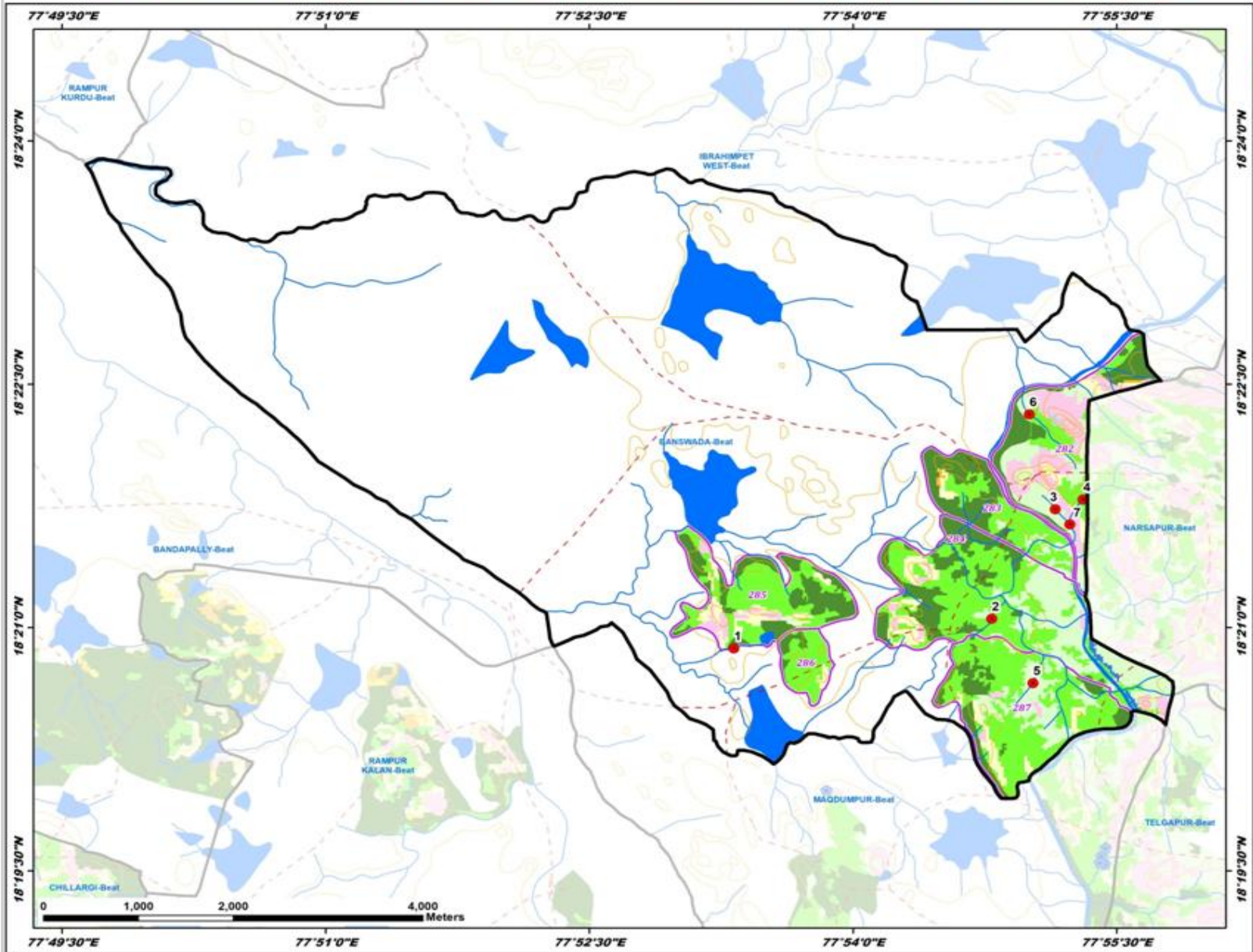
List of Proposed PTs – Banswada Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
1	18.347860	77.888727	39.19	II	BANSWADA	41	18.322463	77.935577	5.67	IV	TELGAPUR	81	18.431311	77.954050	93.31	V	HAJIPUR
2	18.350904	77.913160	12.97	IV	BANSWADA	42	18.339693	77.932228	26.50	V	TELGAPUR	82	18.438064	77.948475	35.52	V	HAJIPUR
3	18.362168	77.919196	14.00	IV	BANSWADA	43	18.318247	77.932170	47.71	V	TELGAPUR	83	18.413959	78.007877	47.60	II	HANMAJIPET
4	18.363163	77.921843	58.40	IV	BANSWADA	44	18.461875	77.966313	10.01	II	BOMMANDEVPALLY (E)	84	18.407653	78.020372	26.39	V	HANMAJIPET
5	18.344292	77.917075	13.69	IV	BANSWADA	45	18.466476	77.948154	8.16	II	BOMMANDEVPALLY (E)	85	18.377984	77.947870	29.85	III	IBRAHIMPET EAST
6	18.371897	77.916745	44.45	V	BANSWADA	46	18.463754	77.954457	24.94	II	BOMMANDEVPALLY (E)	86	18.374703	77.966941	24.08	IV	IBRAHIMPET EAST
7	18.360604	77.920577	84.02	V	BANSWADA	47	18.467963	77.936508	33.62	III	BOMMANDEVPALLY (E)	87	18.378079	77.954123	14.89	IV	IBRAHIMPET EAST
8	18.298206	77.922709	14.35	II	MAQDUMPUR	48	18.469479	77.954801	46.12	III	BOMMANDEVPALLY (E)	88	18.371582	77.968284	8.98	IV	IBRAHIMPET EAST
9	18.304107	77.922966	46.78	III	MAQDUMPUR	49	18.465926	77.969241	7.22	IV	BOMMANDEVPALLY (E)	89	18.369569	77.967397	98.21	V	IBRAHIMPET EAST
10	18.336868	77.921751	37.89	V	MAQDUMPUR	50	18.465895	77.963334	15.24	IV	BOMMANDEVPALLY (E)	90	18.383739	77.947749	11.02	II	IBRAHIMPET WEST
11	18.290563	77.945039	8.24	II	MOHAMMADNAGAR	51	18.457098	77.962773	36.62	V	BOMMANDEVPALLY (E)	91	18.383544	77.958899	12.45	IV	IBRAHIMPET WEST
12	18.293681	77.933162	5.73	II	MOHAMMADNAGAR	52	18.483108	77.914851	7.05	II	BOMMANDEVPALLY (W)	92	18.402101	77.947701	20.26	IV	IBRAHIMPET WEST
13	18.273113	77.948979	12.07	II	MOHAMMADNAGAR	53	18.488338	77.900740	13.88	II	BOMMANDEVPALLY (W)	93	18.399937	77.945383	7.06	IV	IBRAHIMPET WEST
14	18.298997	77.934560	11.17	II	MOHAMMADNAGAR	54	18.483465	77.900209	21.34	II	BOMMANDEVPALLY (W)	94	18.387065	77.954001	7.70	IV	IBRAHIMPET WEST
15	18.287227	77.928450	11.35	II	MOHAMMADNAGAR	55	18.479799	77.941007	18.26	IV	BOMMANDEVPALLY (W)	95	18.404861	77.943704	8.33	IV	IBRAHIMPET WEST
16	18.292220	77.929487	22.75	II	MOHAMMADNAGAR	56	18.483910	77.909998	10.55	IV	BOMMANDEVPALLY (W)	96	18.404280	77.952248	9.60	IV	IBRAHIMPET WEST
17	18.279646	77.944474	28.07	III	MOHAMMADNAGAR	57	18.478569	77.933064	6.44	IV	BOMMANDEVPALLY (W)	97	18.409935	77.955463	28.29	III	KONAPUR
18	18.286142	77.940521	47.18	III	MOHAMMADNAGAR	58	18.487553	77.919497	15.77	IV	BOMMANDEVPALLY (W)	98	18.411210	77.938625	13.65	IV	KONAPUR
19	18.284606	77.949815	25.12	III	MOHAMMADNAGAR	59	18.478577	77.949308	89.35	V	BOMMANDEVPALLY (W)	99	18.429557	77.946009	22.41	IV	KONAPUR
20	18.294323	77.933899	5.75	IV	MOHAMMADNAGAR	60	18.484163	77.936118	42.63	V	BOMMANDEVPALLY (W)	100	18.436503	77.940499	18.64	IV	KONAPUR
21	18.227571	77.953558	20.71	I	NARVA	61	18.488653	77.893204	45.08	V	BOMMANDEVPALLY (W)	101	18.413741	77.936762	9.27	IV	KONAPUR
22	18.227044	77.957130	11.06	II	NARVA	62	18.488415	77.935737	56.12	V	BOMMANDEVPALLY (W)	102	18.440328	77.931264	23.22	I	RAMPUR KURDU
23	18.230579	77.880831	12.61	I	NIZAMSAGAR	63	18.474820	77.954949	46.39	V	BOMMANDEVPALLY (W)	103	18.433178	77.928811	13.00	II	RAMPUR KURDU
24	18.223361	77.898158	9.72	II	NIZAMSAGAR	64	18.474652	77.936679	46.51	V	BOMMANDEVPALLY (W)	104	18.413490	77.929348	30.43	III	RAMPUR KURDU
25	18.242375	77.912058	31.91	II	NIZAMSAGAR	65	18.490141	77.880273	9.58	II	NASRULLABAD	105	18.431976	77.931313	6.26	IV	RAMPUR KURDU
26	18.323450	77.975678	15.33	II	SINGITHAM	66	18.482077	77.890813	10.46	II	NASRULLABAD	106	18.429069	77.927408	5.48	IV	RAMPUR KURDU
27	18.317043	77.971780	18.90	II	SINGITHAM	67	18.485789	77.890612	5.65	IV	NASRULLABAD	107	18.429444	77.930191	12.55	IV	RAMPUR KURDU
28	18.300824	77.933624	9.31	II	SINGITHAM	68	18.480508	77.889567	8.38	IV	NASRULLABAD	108	18.430891	77.931374	14.18	IV	RAMPUR KURDU
29	18.306096	77.961540	9.00	II	SINGITHAM	69	18.493527	77.876153	13.24	IV	NASRULLABAD	109	18.427388	77.938427	56.06	V	RAMPUR KURDU
30	18.313760	77.970710	16.59	II	SINGITHAM	70	18.484462	77.885769	8.42	IV	NASRULLABAD	110	18.415942	77.934554	44.07	V	RAMPUR KURDU
31	18.298990	77.944329	6.31	II	SINGITHAM	71	18.502276	77.866256	18.30	IV	NASRULLABAD	111	18.393982	78.002751	6.23	II	SANGOJIPET
32	18.305162	77.970218	43.93	III	SINGITHAM	72	18.506755	77.865993	10.71	IV	NASRULLABAD	112	18.400257	78.017619	8.74	IV	SANGOJIPET
33	18.322304	77.980392	31.94	III	SINGITHAM	73	18.501385	77.869544	10.93	IV	NASRULLABAD	113	18.402321	78.020804	33.25	V	SANGOJIPET
34	18.296621	77.963326	22.72	IV	SINGITHAM	74	18.501995	77.863045	33.80	V	NASRULLABAD						
35	18.310272	77.978933	19.56	IV	SINGITHAM	75	18.448733	77.948103	18.01	I	HAJIPUR						
36	18.323313	77.985461	30.86	V	SINGITHAM	76	18.442076	77.927468	9.75	II	HAJIPUR						
37	18.299710	77.939712	64.53	V	SINGITHAM	77	18.439760	77.950127	5.92	IV	HAJIPUR						
38	18.332445	77.945514	6.97	II	TELGAPUR	78	18.441753	77.953684	20.20	IV	HAJIPUR						
39	18.332120	77.947841	15.33	II	TELGAPUR	79	18.444619	77.952503	13.14	IV	HAJIPUR						
40	18.340583	77.941821	9.60	IV	TELGAPUR	80	18.447917	77.946941	9.05	IV	HAJIPUR						

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



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
1	18.347860	77.888727	39.19	II
2	18.350904	77.913160	12.97	IV
3	18.362168	77.919196	14.00	IV
4	18.363163	77.921843	58.40	IV
5	18.344292	77.917075	13.69	IV
6	18.371897	77.916745	44.45	V
7	18.360604	77.920577	84.02	V

LEGEND

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

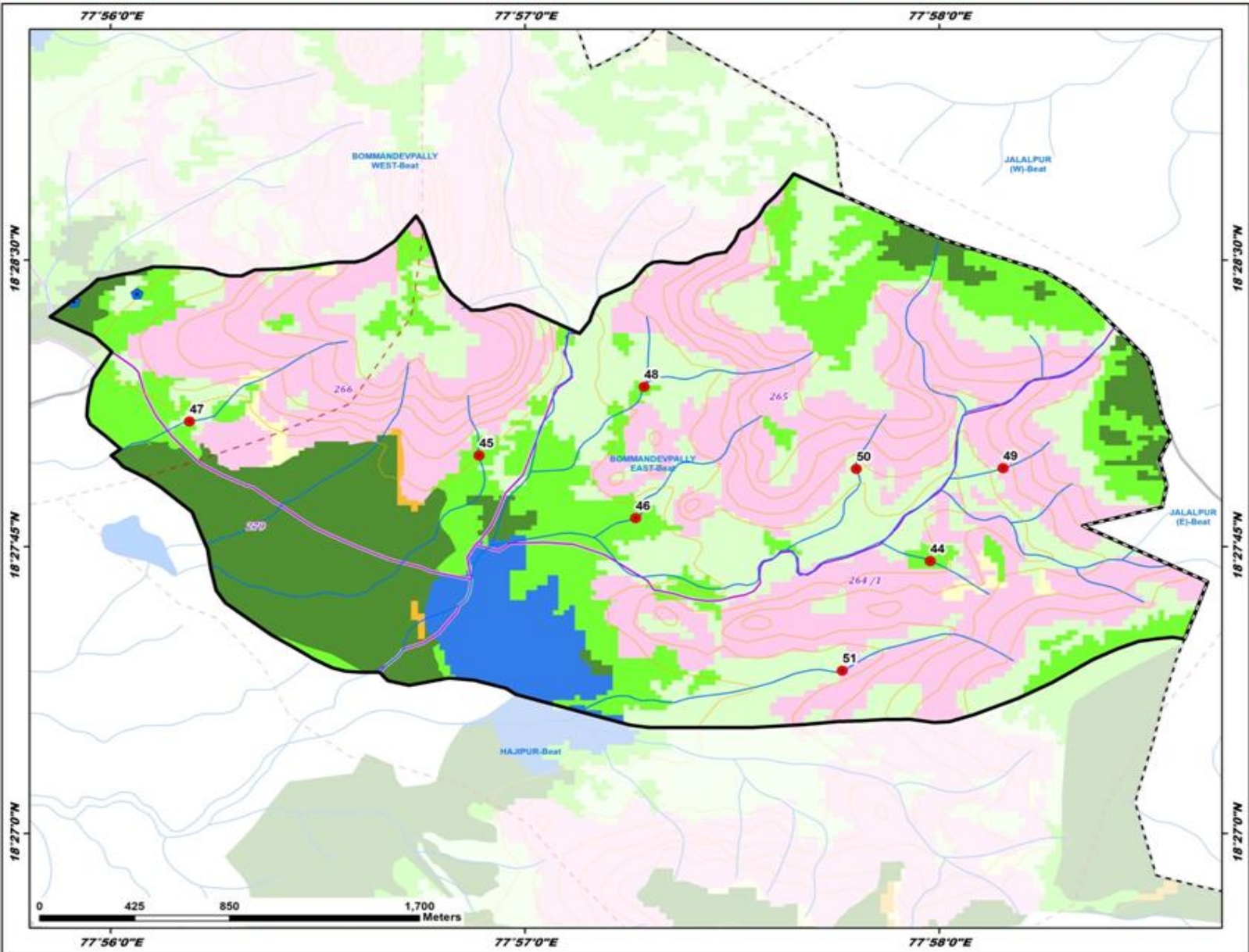
Suitability Index

- 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 Bommandevpally East Beat



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
44	18.461875	77.966313	10.01	II
45	18.466476	77.948354	8.16	II
46	18.463754	77.954457	24.94	II
47	18.467963	77.956508	33.62	III
48	18.469479	77.954801	46.12	III
49	18.465526	77.969241	7.22	IV
50	18.465895	77.963334	15.24	IV
51	18.457098	77.962775	36.62	V

LEGEND

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

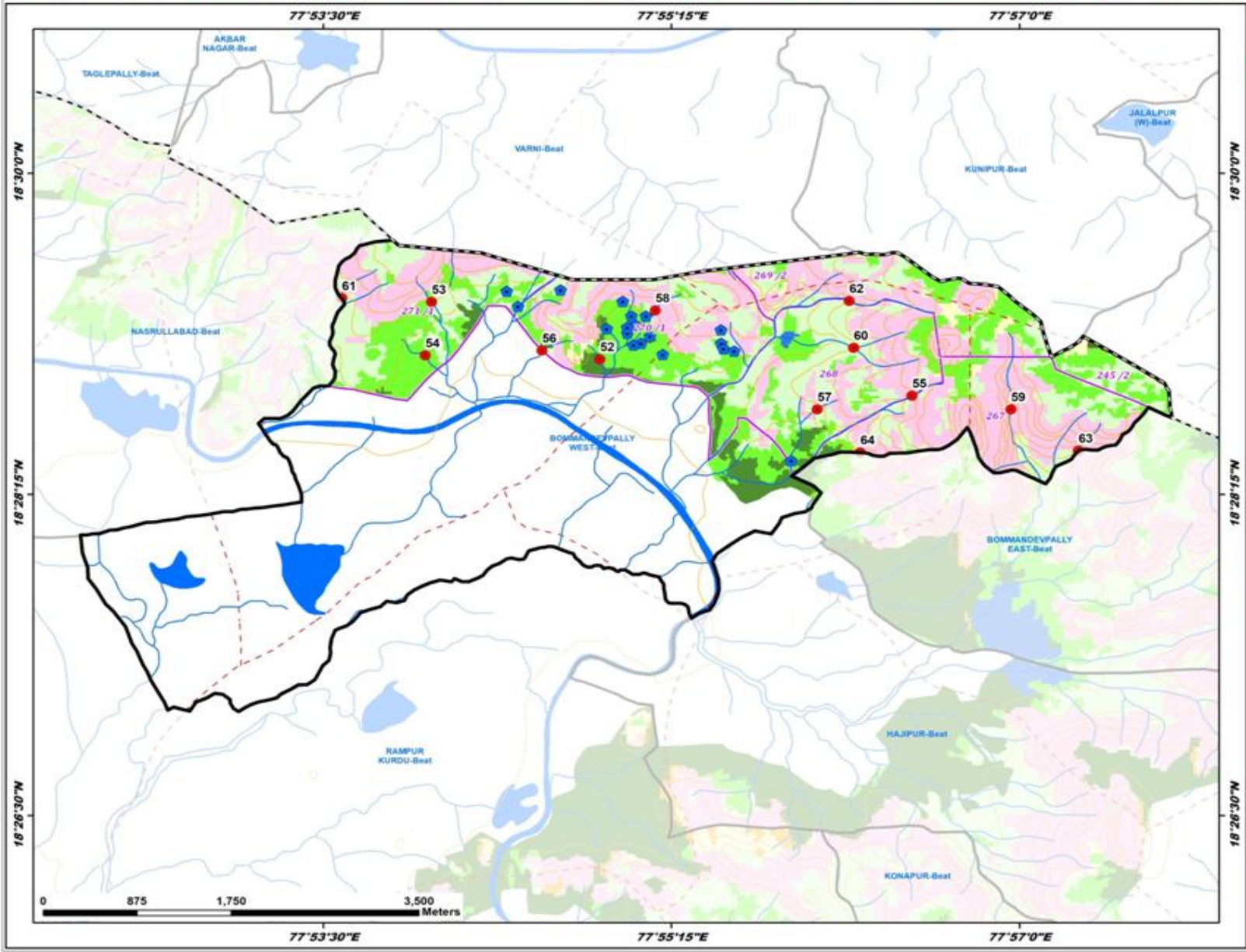
Suitability Index

- 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 Bommandevpally West Beat



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
52	18.483106	77.934851	7.05	II
53	18.488338	77.900740	13.88	II
54	18.483465	77.900209	21.34	II
55	18.479799	77.941007	18.26	IV
56	18.483910	77.909998	10.55	IV
57	18.478569	77.933064	6.44	IV
58	18.487553	77.939497	15.77	IV
59	18.478577	77.949308	89.35	V
60	18.488163	77.936118	42.63	V
61	18.488653	77.893204	45.08	V
62	18.488415	77.935737	56.12	V
63	18.474820	77.954849	46.39	V
64	18.474652	77.936679	46.51	V

LEGEND

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

Suitability Index

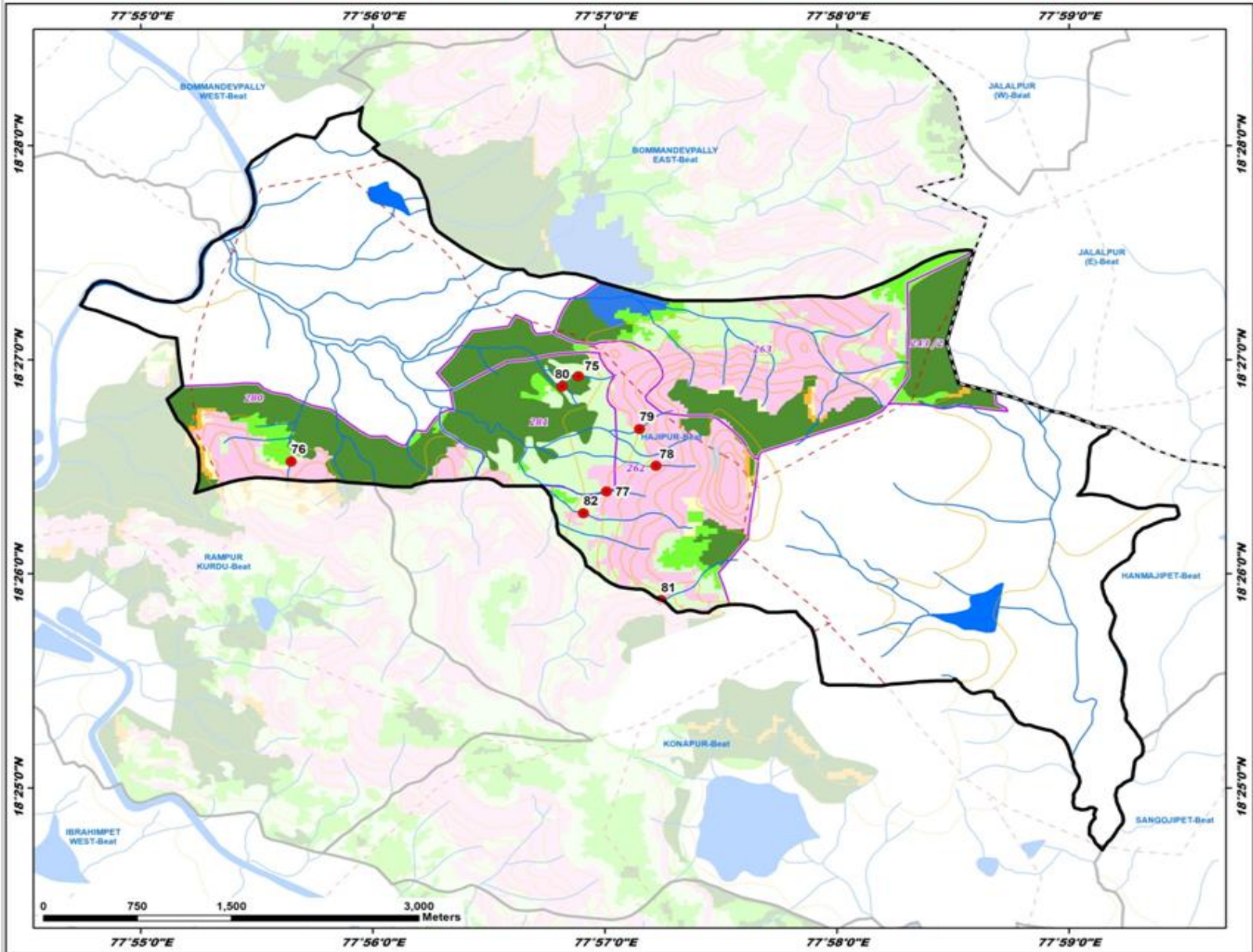
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Banswada
Range : Banswada



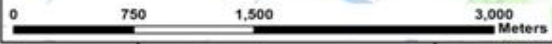
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
75	18.448733	77.948303	18.01	I
76	18.442076	77.927468	9.75	II
77	18.439760	77.950127	5.92	IV
78	18.441753	77.953684	20.20	IV
79	18.446619	77.952503	13.14	IV
80	18.447917	77.948941	9.05	IV
81	18.431311	77.954050	93.31	V
82	18.438064	77.948475	35.52	V

LEGEND

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

Suitability Index

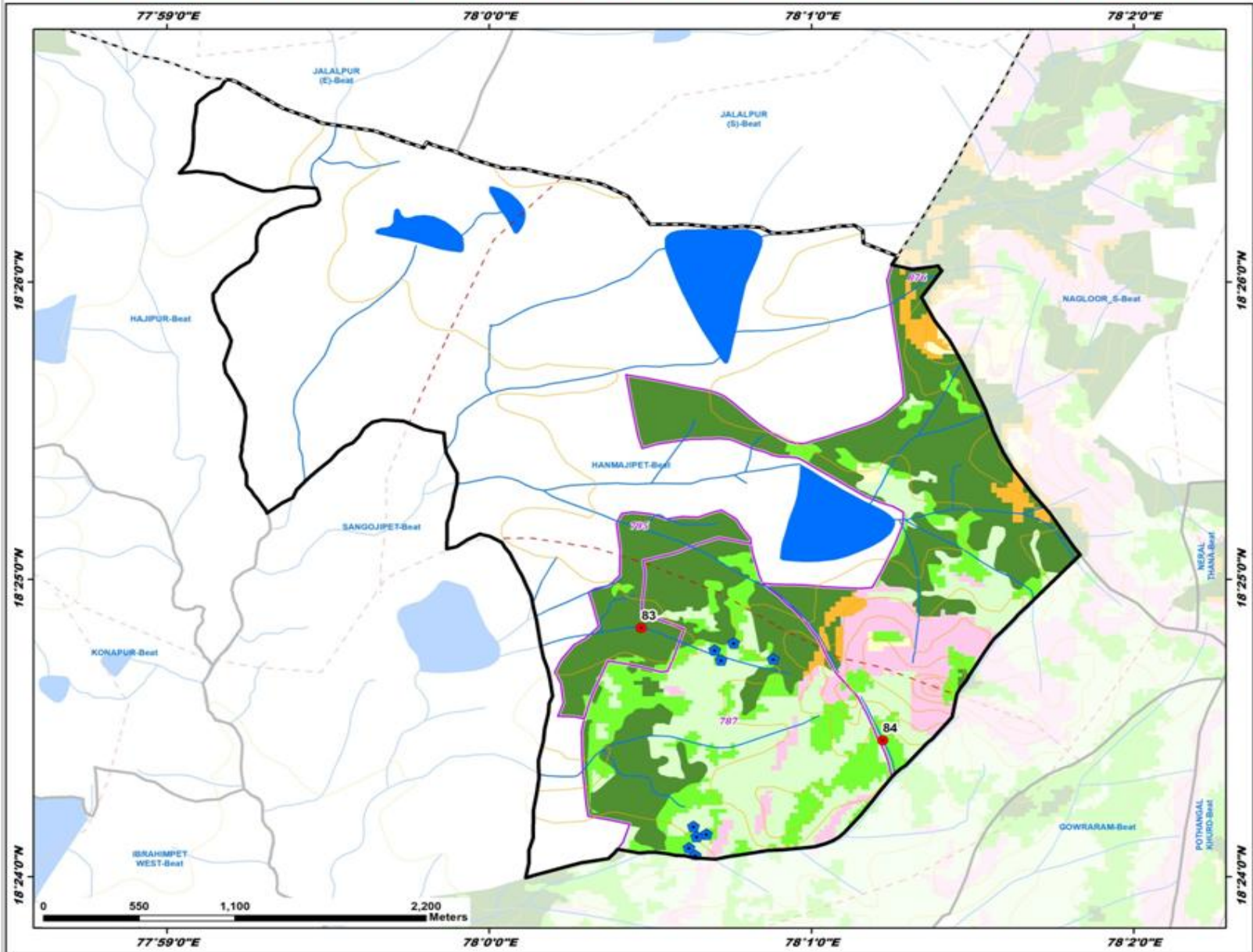
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
83	18.413959	78.007877	47.60	II
84	18.407653	78.020372	26.39	V

LEGEND

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

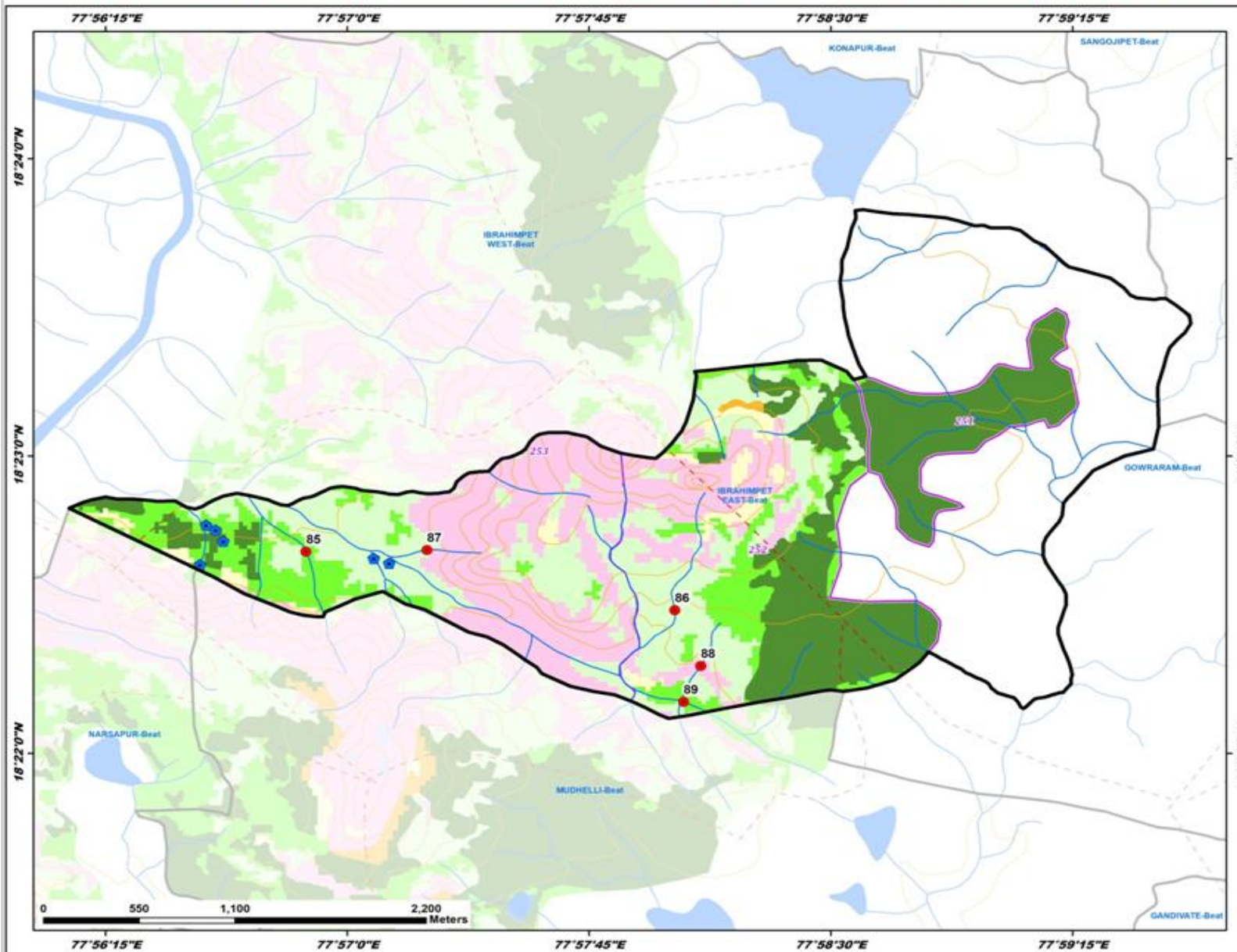
Suitability Index

- 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 Ibrahimpet East Beat



Division : Banswada
Range : Banswada



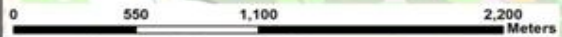
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
85	18.377984	77.943870	29.85	III
86	18.374703	77.966941	24.08	IV
87	18.378079	77.954123	14.89	IV
88	18.371582	77.968284	8.98	IV
89	18.369549	77.967397	98.21	V

LEGEND

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

Suitability Index

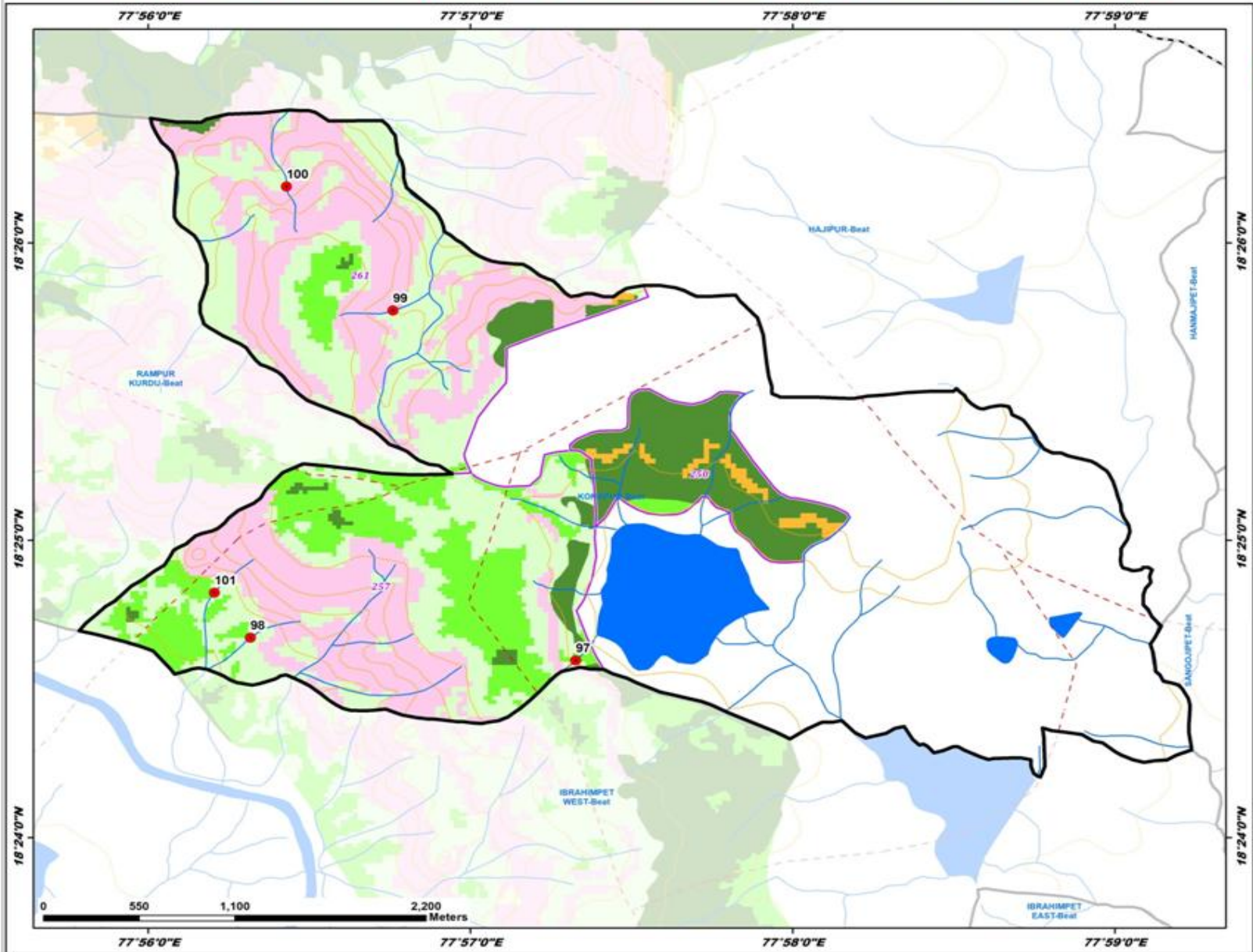
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Banswada
Range : Banswada



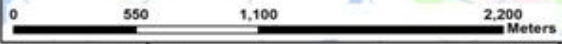
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
97	18.409955	77.955463	28.29	III
98	18.411210	77.938625	13.65	IV
99	18.429557	77.946009	22.41	IV
100	18.436503	77.940499	18.64	IV
101	18.413741	77.936762	9.27	IV

LEGEND

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

Suitability Index

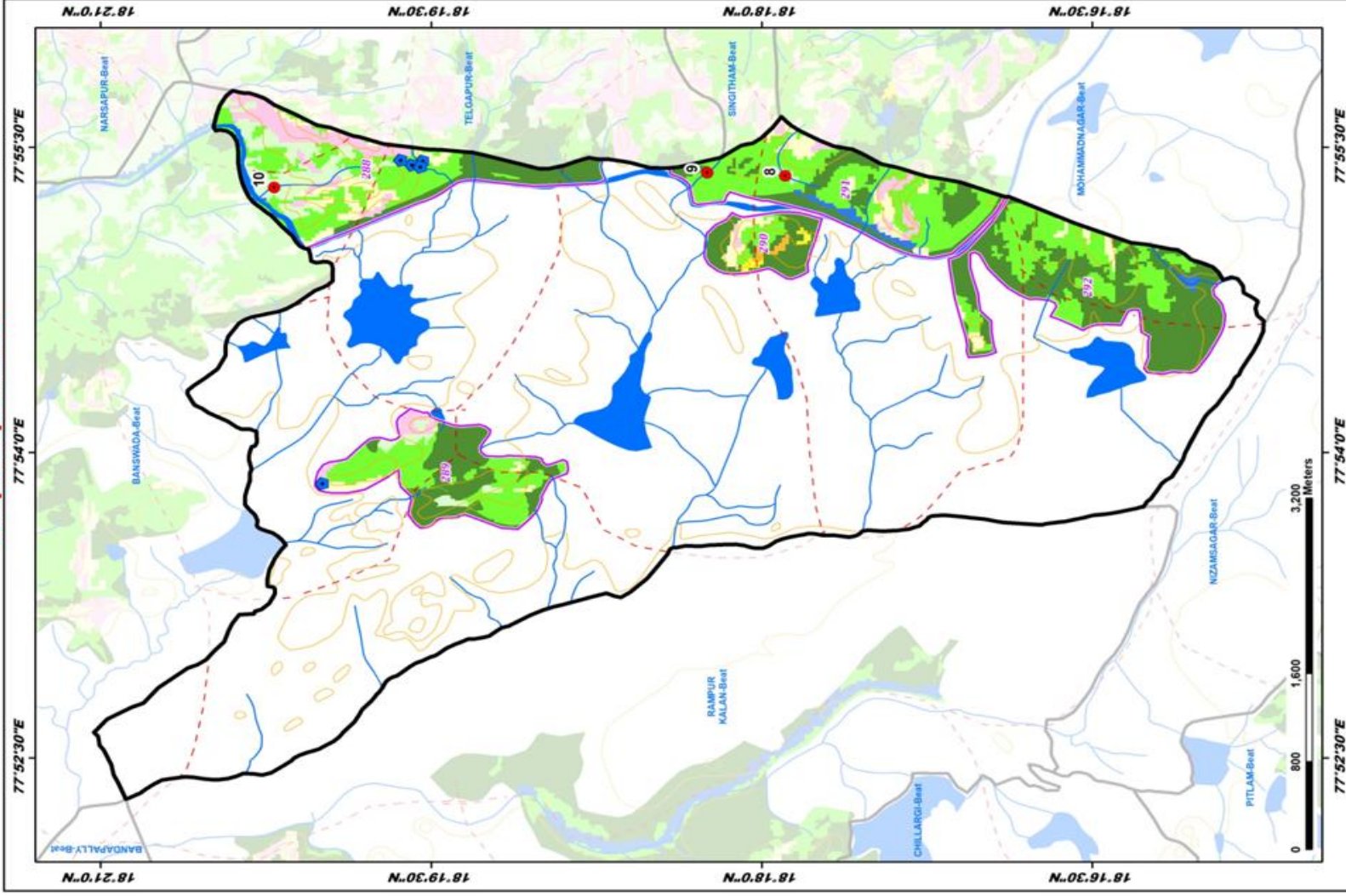
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
8	18.296206	77.922709	14.35	II
9	18.304107	77.922666	46.78	III
10	18.336888	77.923751	37.89	V

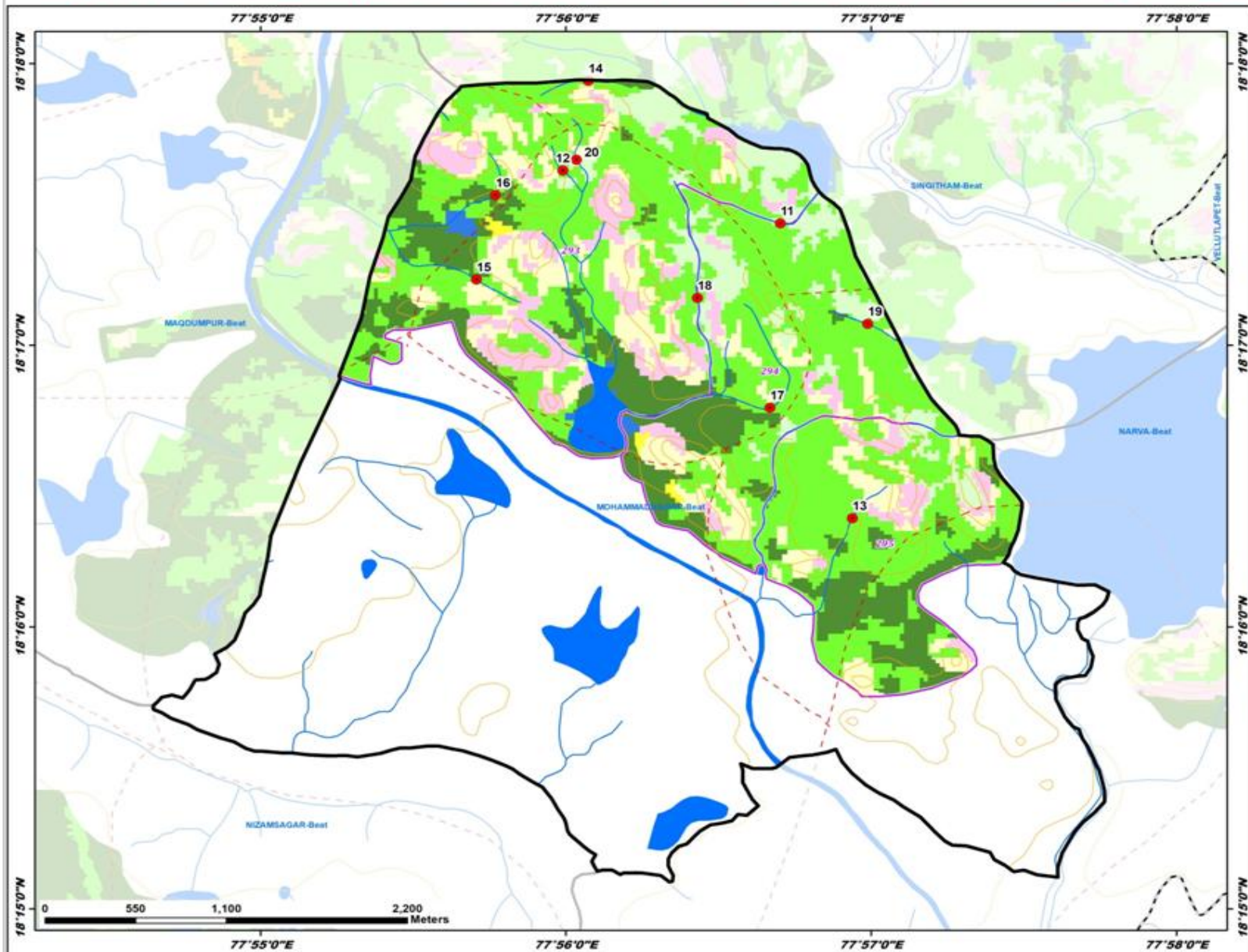
LEGEND

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

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



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
11	18.290563	77.945009	8.24	II
12	18.293681	77.933162	5.79	II
13	18.273113	77.948979	12.07	II
14	18.296997	77.934560	11.17	II
15	18.287227	77.928450	11.35	II
16	18.292220	77.929467	22.75	II
17	18.279646	77.944474	28.07	III
18	18.286142	77.940521	47.18	III
19	18.284606	77.949815	25.12	III
20	18.294323	77.933899	5.75	IV

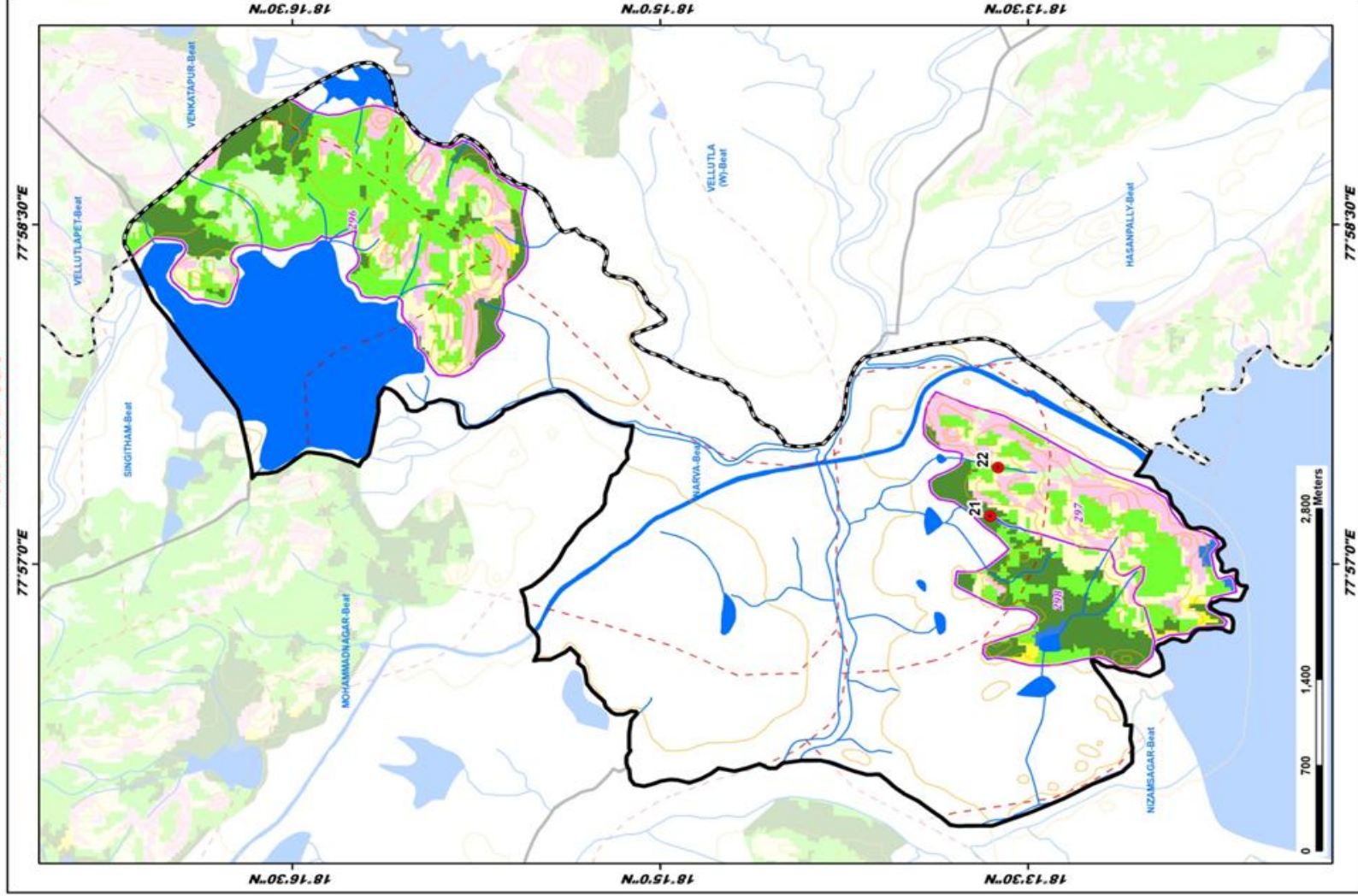
LEGEND

- 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 Narva Beat



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
21	18.22571	77.99358	20.71	I
22	18.22704	77.99730	11.06	II

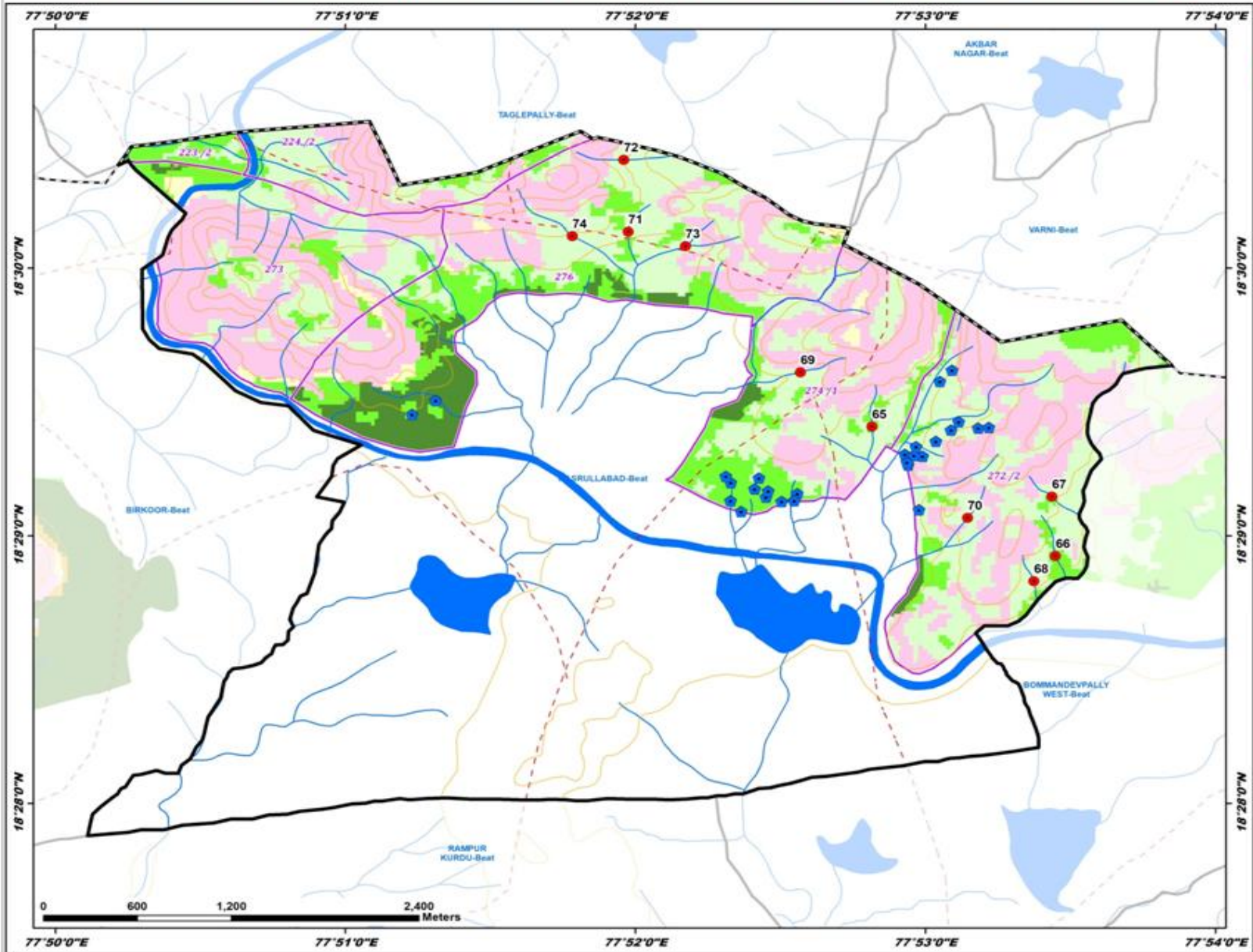
LEGEND

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

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



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
65	18.490141	77.880273	9.58	II
66	18.482077	77.890813	10.46	II
67	18.485789	77.890612	5.65	IV
68	18.480508	77.889567	8.38	IV
69	18.493527	77.876153	13.24	IV
70	18.484462	77.885769	8.42	IV
71	18.502276	77.866256	18.30	IV
72	18.506755	77.865993	10.71	IV
73	18.501385	77.869544	10.93	IV
74	18.501995	77.863045	33.80	V

LEGEND

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

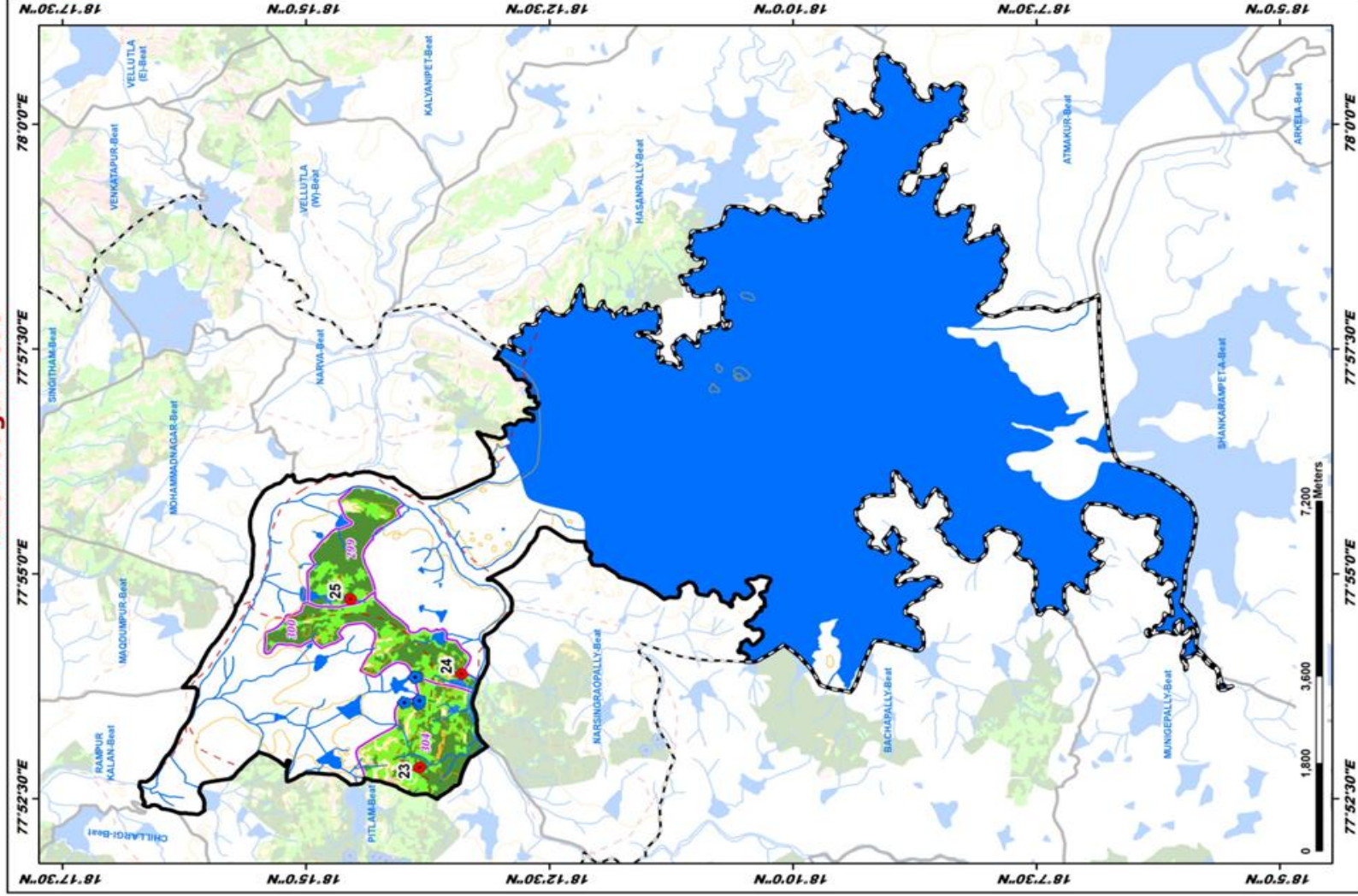
Suitability Index

- 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 Nizamsagar Beat



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
23	18.230579	77.880831	12.61	I
24	18.223361	77.888158	9.72	II
25	18.242375	77.932058	31.91	II

LEGEND

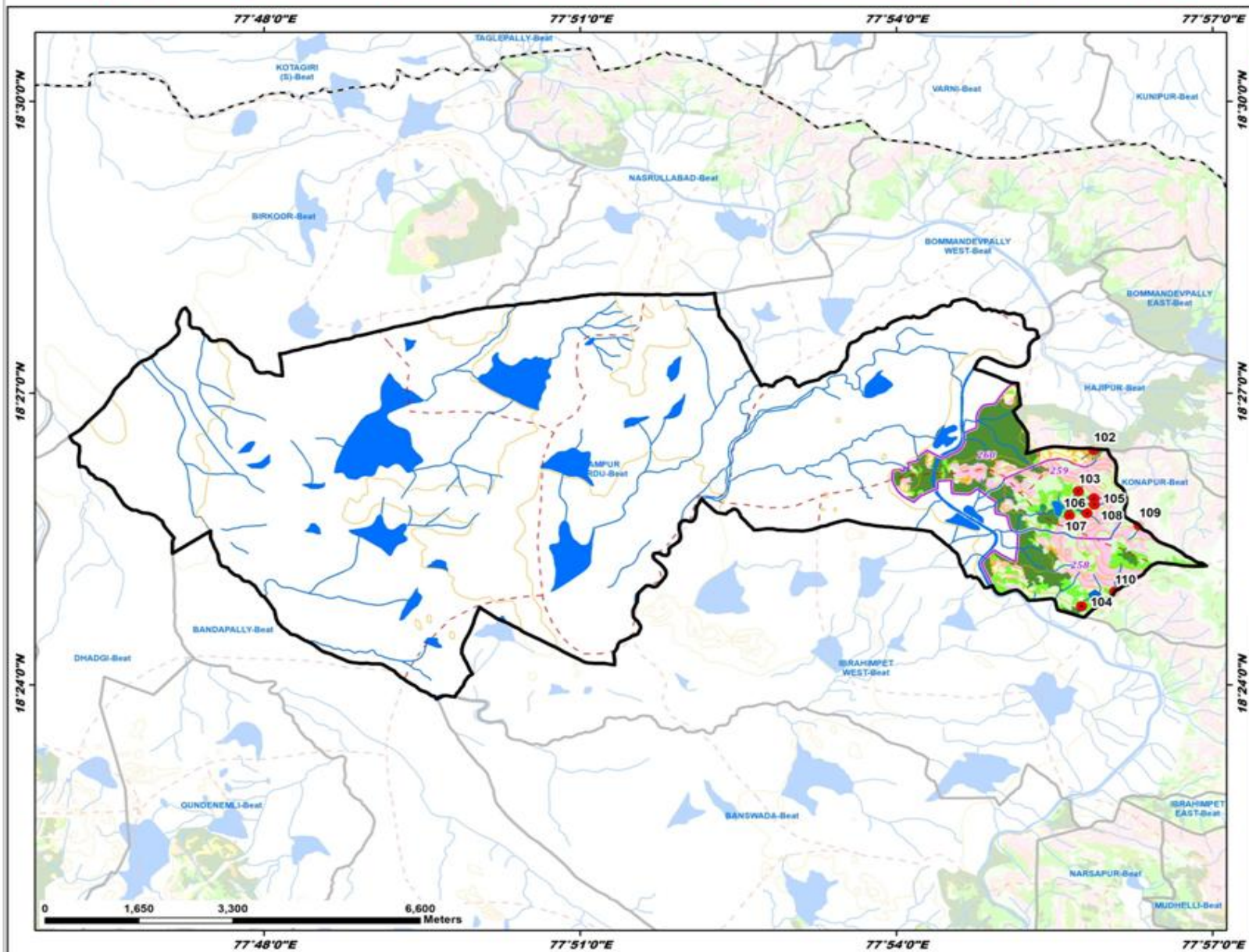
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

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

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



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
102	18.440328	77.931264	23.22	I
109	18.433178	77.928811	13.00	II
104	18.413490	77.929348	30.43	III
105	18.431976	77.931313	6.26	IV
106	18.429069	77.927408	5.48	IV
107	18.429444	77.930191	12.55	IV
108	18.430891	77.931374	14.18	IV
109	18.427388	77.938427	56.06	V
110	18.415942	77.934554	44.07	V

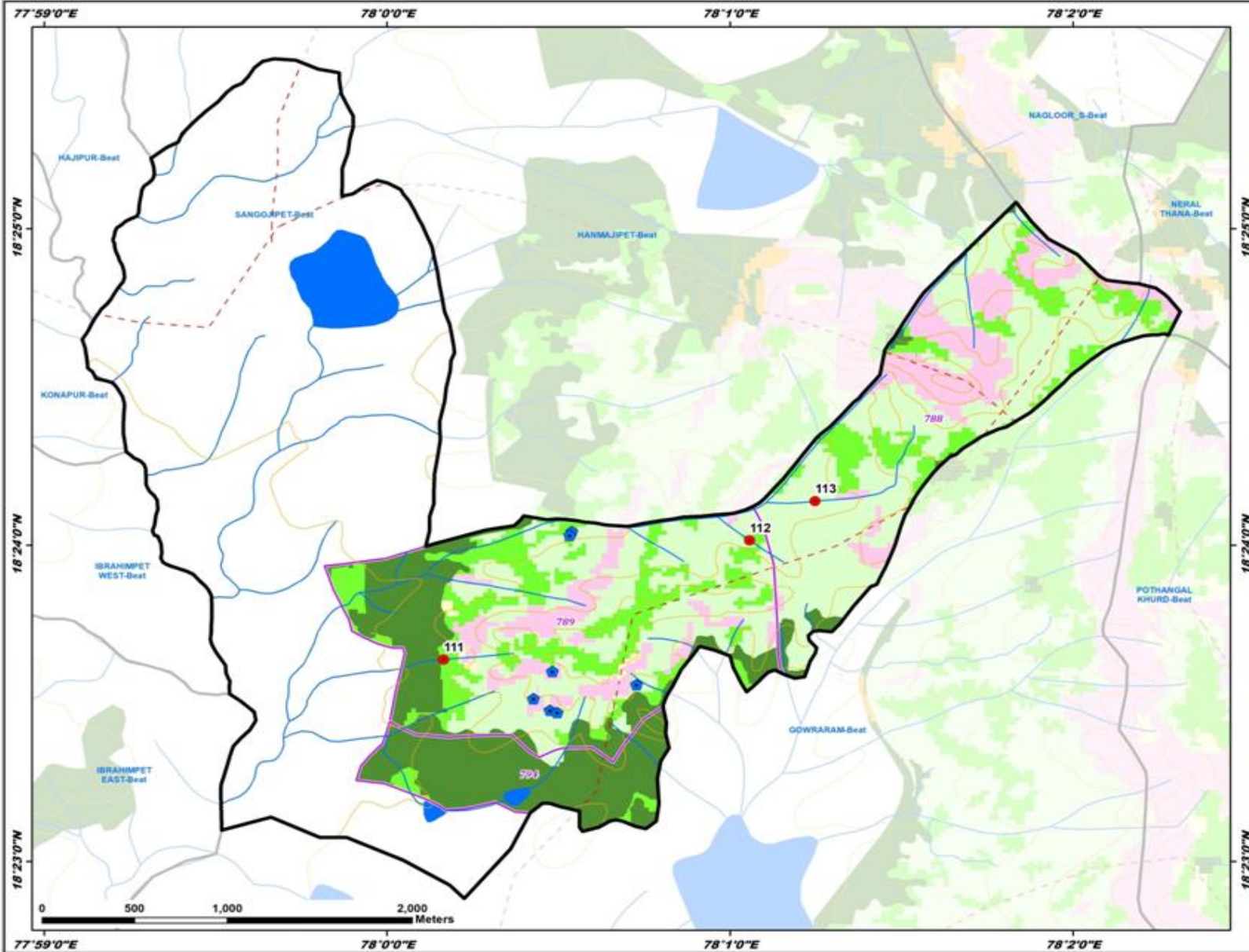
LEGEND

- 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 Sangojipet Beat



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
111	18.393982	78.002751	6.23	II
112	18.400257	78.017619	8.74	IV
113	18.402321	78.020804	33.25	V

LEGEND

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

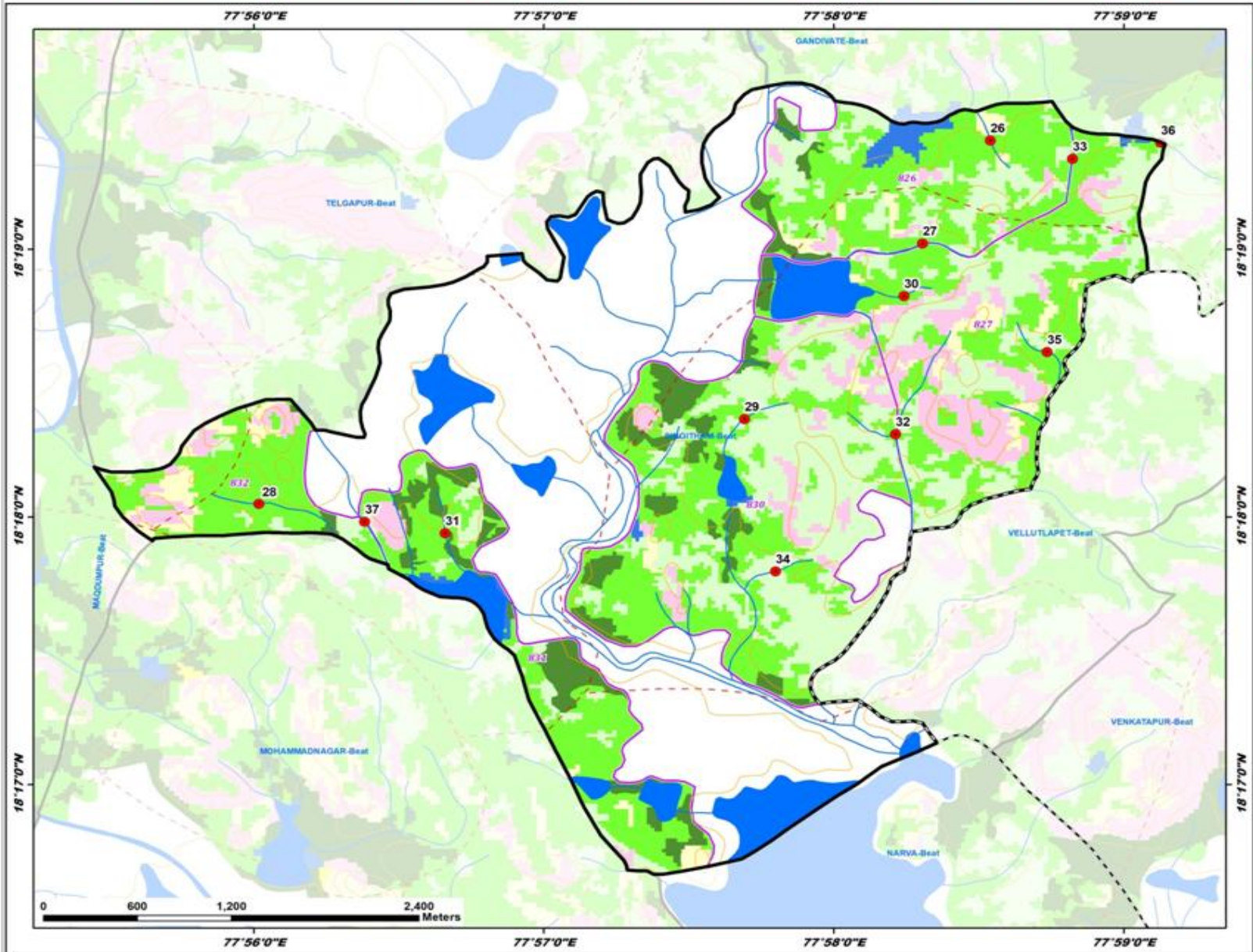
Suitability Index

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

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



Division : Banswada
Range : Banswada



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
26	18.323450	77.975678	15.53	II
27	18.317043	77.971780	18.90	II
28	18.300824	77.933624	9.31	II
29	18.306096	77.961540	9.00	II
30	18.313760	77.970710	16.59	II
31	18.298990	77.944329	6.31	II
32	18.305162	77.970218	43.93	III
33	18.322304	77.980192	31.94	III
34	18.296621	77.963326	22.72	IV
35	18.310272	77.978933	19.56	IV
36	18.323313	77.985461	30.86	V
37	18.299710	77.939712	64.53	V

LEGEND

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

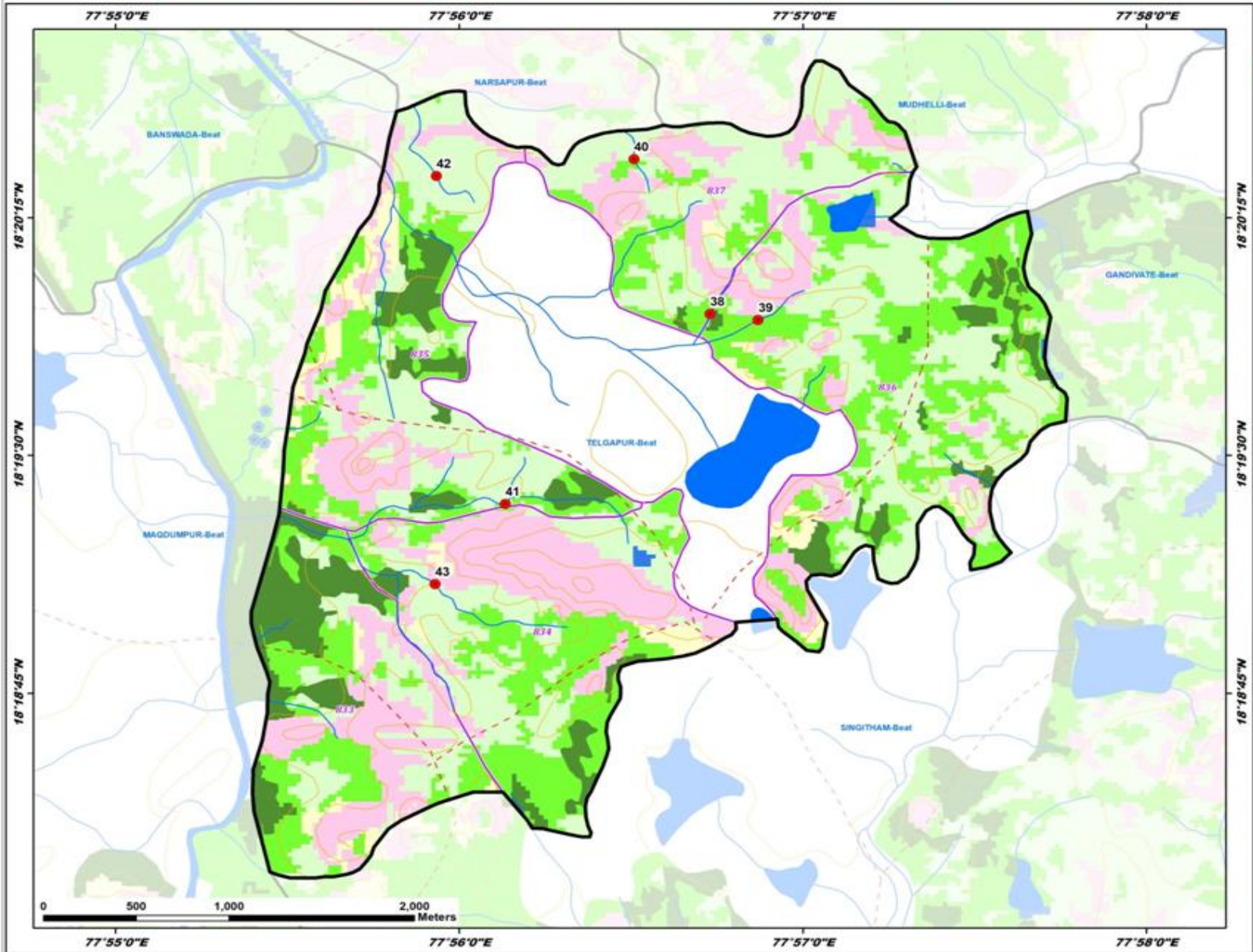
Suitability Index

- 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 Telgapur Beat



Division : Banswada
Range : Banswada



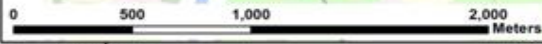
ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
38	18.332445	77.945534	6.97	II
39	18.332120	77.947841	15.33	II
40	18.340583	77.941821	9.60	IV
41	18.322463	77.935577	5.67	IV
42	18.339699	77.932228	26.50	V
43	18.318247	77.932170	47.71	V

LEGEND

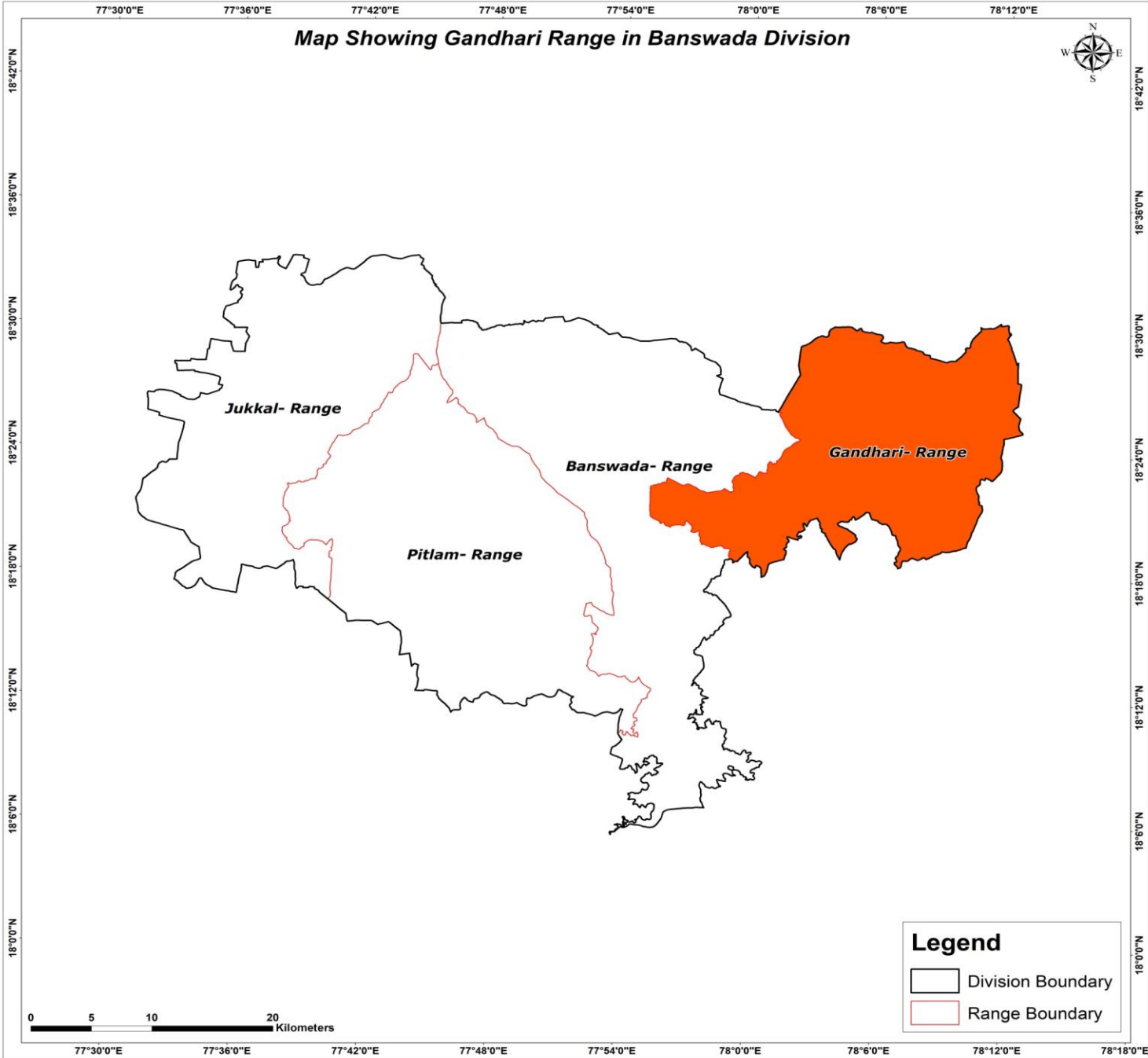
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- - - Watershed Boundary
- ▭ Compartment Boundary
- ▭ Beat Boundary
- - - Division Boundary

Suitability Index

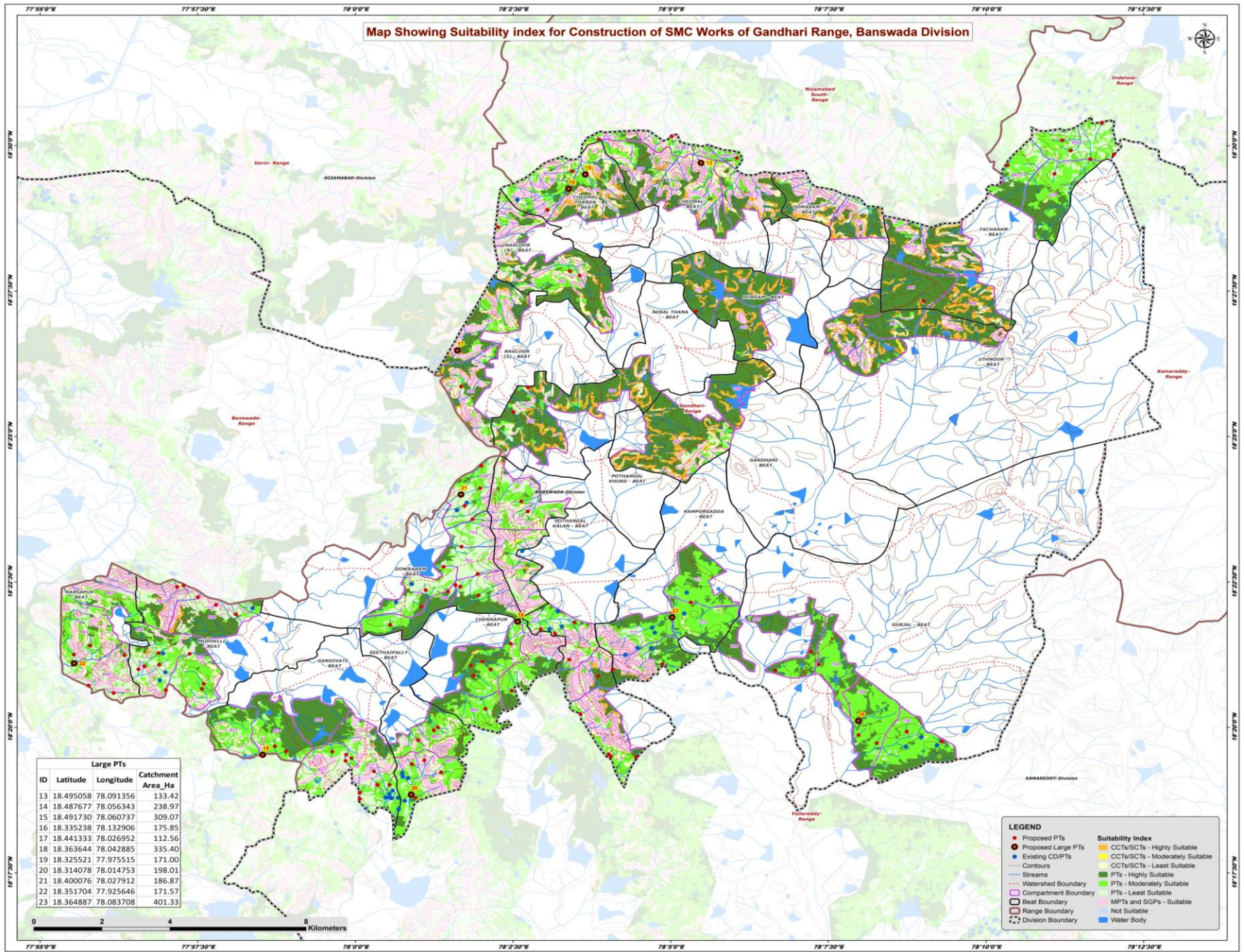
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



Map Showing Gandhari Range in Banswada Division



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

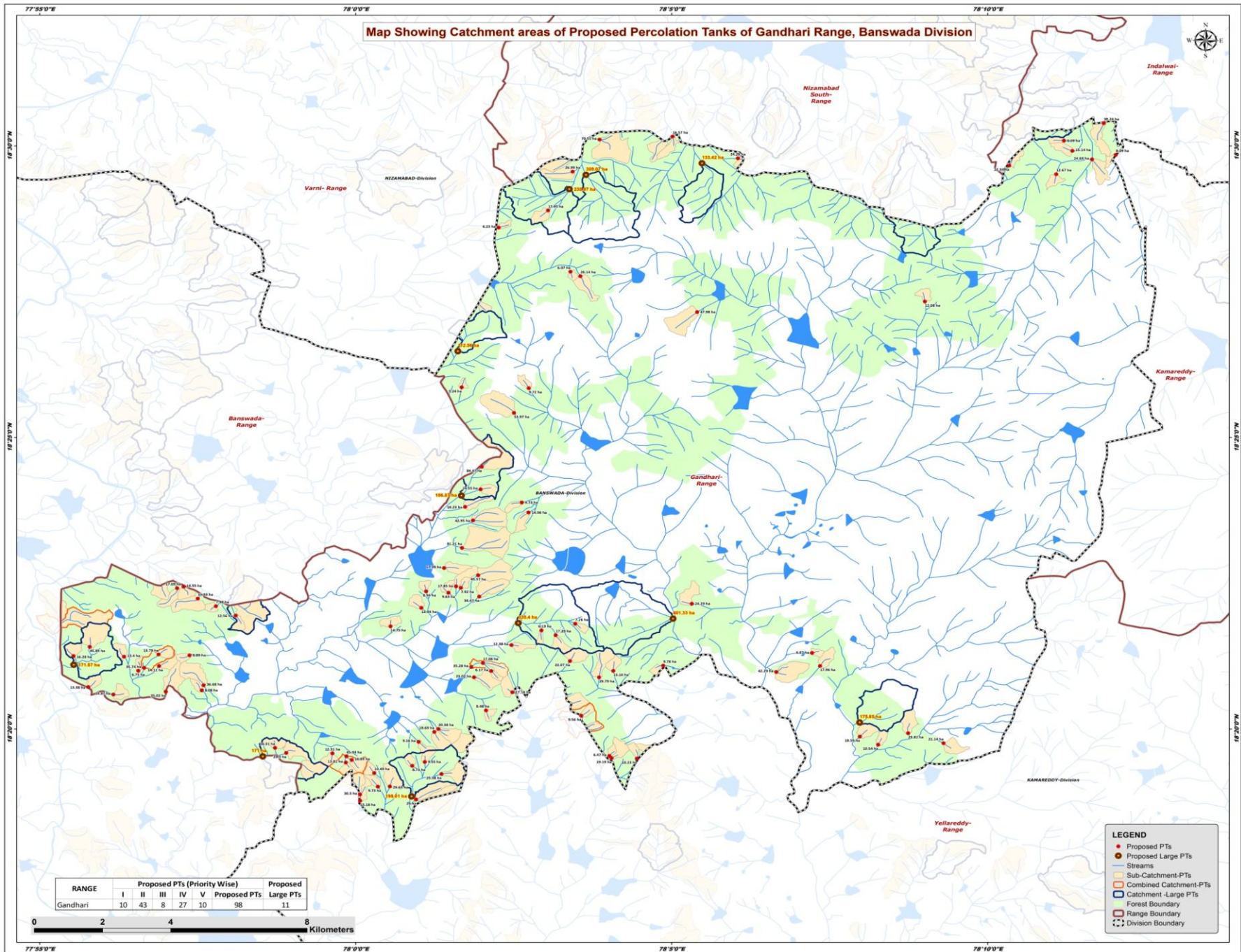


ID	Latitude	Longitude	Catchment Area_Ha
13	18.495058	78.091356	133.42
14	18.487677	78.056343	238.97
15	18.491730	78.060737	309.07
16	18.335238	78.132906	175.85
17	18.441333	78.026952	112.56
18	18.363644	78.042885	335.40
19	18.325521	77.975515	171.00
20	18.314078	78.014753	198.01
21	18.400076	78.027912	186.87
22	18.351704	77.925646	171.57
23	18.364887	78.083708	401.33

LEGEND

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

Map Showing Catchment areas of Proposed Percolation Tanks of Gandhari Range, Banswada Division



Beat wise Abstract of Proposed PT's – Gandhari Range

S. No.	Beat	Proposed PT's
1	CHEDMAL	3
2	CHEDMAL THANDA	2
3	CHENNAPUR	7
4	DURGAM	1
5	GANDIVATE	11
6	GOWRARAM	14
7	GURJAL	7
8	MUDHELLI	13
9	NAGLOOR_N	3
10	NAGLOOR_S	1
11	NARSAPUR	5
12	NERAL THANA	2
13	POTHANGAL KALAN	9
14	POTHANGAL KHURD	2
15	RAMPURGADDA	3
16	SEETHAIPALLY	7
17	YACHARAM	8
	Total	98

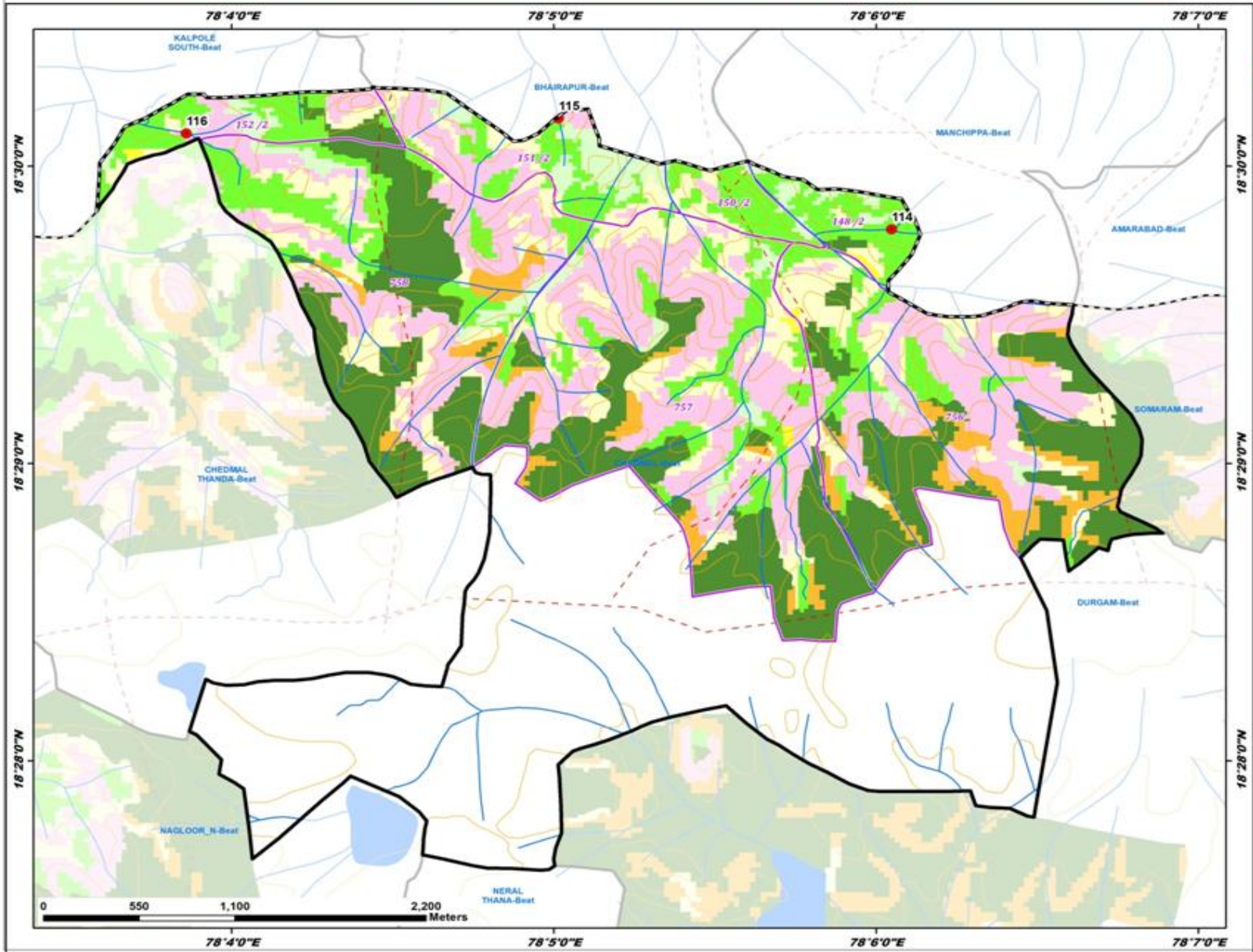
List of Proposed PTs – Gandhari Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
114	18.496457	78.100808	24.26	II	CHEDMAL	154	18.320749	78.004893	10.49	IV	GANDIVATE	194	18.354201	77.925599	16.28	IV	NARSAPUR
115	18.502682	78.083576	16.57	IV	CHEDMAL	155	18.323788	77.997402	13.81	IV	GANDIVATE	195	18.345323	77.929485	13.38	IV	NARSAPUR
116	18.501828	78.064319	70.51	V	CHEDMAL	156	18.312828	78.001193	13.18	IV	GANDIVATE	196	18.343205	77.936111	14.87	IV	NARSAPUR
117	18.481559	78.050749	17.95	II	CHEDMAL THANDA	157	18.325552	77.997558	45.93	V	GANDIVATE	197	18.356825	77.929903	45.89	V	NARSAPUR
118	18.492657	78.057247	26.99	III	CHEDMAL THANDA	158	18.316926	78.009014	29.65	V	GANDIVATE	198	18.324913	78.074174	10.23	I	POTHANGAL KALAN
119	18.452530	78.090077	47.98	II	DURGAM	159	18.329694	78.016612	9.16	II	SEETHAIPALLY	199	18.360179	78.052743	17.28	II	POTHANGAL KALAN
120	18.455519	78.150127	12.08	I	YACHARAM	160	18.333374	78.021824	20.38	II	SEETHAIPALLY	200	18.363420	78.057912	7.26	II	POTHANGAL KALAN
121	18.494385	78.172365	22.34	II	YACHARAM	161	18.322839	78.014915	8.73	II	SEETHAIPALLY	201	18.348098	78.064219	29.79	II	POTHANGAL KALAN
122	18.496156	78.194201	24.64	II	YACHARAM	162	18.332520	78.020736	19.69	II	SEETHAIPALLY	202	18.361534	78.049007	6.19	II	POTHANGAL KALAN
123	18.498601	78.189021	15.14	II	YACHARAM	163	18.320490	78.022625	25.38	III	SEETHAIPALLY	203	18.325658	78.066925	6.47	II	POTHANGAL KALAN
124	18.501515	78.186805	8.09	II	YACHARAM	164	18.313197	78.015936	29.00	III	SEETHAIPALLY	204	18.325037	78.067507	19.19	II	POTHANGAL KALAN
125	18.506518	78.197293	30.24	III	YACHARAM	165	18.323934	78.018263	9.55	IV	SEETHAIPALLY	205	18.352777	78.056522	22.07	IV	POTHANGAL KALAN
126	18.497474	78.200463	8.09	IV	YACHARAM	166	18.367977	78.017343	13.94	I	GOWRARAM	206	18.337183	78.059495	9.56	IV	POTHANGAL KALAN
127	18.491927	78.184743	12.67	IV	YACHARAM	167	18.401859	78.032945	14.55	II	GOWRARAM	207	18.395222	78.045607	14.96	II	POTHANGAL KHURD
128	18.355093	78.120378	6.87	I	GURJAL	168	18.373700	78.027754	7.92	II	GOWRARAM	208	18.398086	78.043822	9.73	IV	POTHANGAL KHURD
129	18.329279	78.155017	21.14	I	GURJAL	169	18.379347	78.023347	17.39	II	GOWRARAM	209	18.349960	78.067962	13.16	I	RAMPURGADDA
130	18.331185	78.132971	19.59	II	GURJAL	170	18.372298	78.024485	9.63	II	GOWRARAM	210	18.369167	78.088660	24.29	II	RAMPURGADDA
131	18.332156	78.145702	23.81	II	GURJAL	171	18.371181	78.032596	34.47	II	GOWRARAM	211	18.351463	78.081105	9.78	IV	RAMPURGADDA
132	18.328868	78.137799	10.54	II	GURJAL	172	18.374114	78.026469	17.85	IV	GOWRARAM						
133	18.349629	78.110922	42.29	II	GURJAL	173	18.408301	78.033276	84.47	IV	GOWRARAM						
134	18.351382	78.122462	17.96	II	GURJAL	174	18.362686	78.009211	14.75	IV	GOWRARAM						
135	18.464048	78.056656	6.07	II	NAGLOOR_N	175	18.372678	78.018594	8.56	IV	GOWRARAM						
136	18.462775	78.059287	26.14	III	NAGLOOR_N	176	18.396841	78.028880	18.23	IV	GOWRARAM						
137	18.476674	78.037696	6.23	IV	NAGLOOR_N	177	18.392969	78.030963	42.95	V	GOWRARAM						
138	18.431024	78.027973	5.24	II	NAGLOOR_S	178	18.385125	78.028069	91.21	V	GOWRARAM						
139	18.430772	78.045646	9.72	I	NERAL THANA	179	18.377283	78.032311	45.57	V	GOWRARAM						
140	18.423714	78.041755	53.97	III	NERAL THANA	180	18.344405	77.959422	8.08	II	MUDHELLI						
141	18.352219	78.033557	17.08	I	CHENNAAPUR	181	18.351339	77.948181	14.11	II	MUDHELLI						
142	18.348134	78.031228	23.02	I	CHENNAAPUR	182	18.345847	77.959931	36.68	III	MUDHELLI						
143	18.351090	78.030512	35.28	II	CHENNAAPUR	183	18.373602	77.952904	17.09	IV	MUDHELLI						
144	18.349935	78.035755	6.17	II	CHENNAAPUR	184	18.354645	77.948025	13.78	IV	MUDHELLI						
145	18.338676	78.034397	8.48	II	CHENNAAPUR	185	18.354429	77.956198	8.89	IV	MUDHELLI						
146	18.357345	78.041096	12.38	II	CHENNAAPUR	186	18.374013	77.954611	14.55	IV	MUDHELLI						
147	18.343858	78.041341	17.16	II	CHENNAAPUR	187	18.349987	77.942697	6.75	IV	MUDHELLI						
148	18.326513	77.981697	23.30	I	GANDIVATE	188	18.368449	77.963143	7.98	IV	MUDHELLI						
149	18.324507	77.998957	16.89	II	GANDIVATE	189	18.365781	77.968363	12.56	IV	MUDHELLI						
150	18.326397	77.993878	12.31	II	GANDIVATE	190	18.350812	77.944230	35.74	V	MUDHELLI						
151	18.316875	78.005871	9.73	II	GANDIVATE	191	18.370616	77.958371	33.83	V	MUDHELLI						
152	18.327949	77.978760	16.31	II	GANDIVATE	192	18.344020	77.949928	35.02	V	MUDHELLI						
153	18.314650	78.001169	30.50	III	GANDIVATE	193	18.354012	77.938937	13.40	II	NARSAPUR						

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



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
114	18.496457	78.100808	24.26	II
115	18.502682	78.083576	16.57	IV
116	18.501828	78.064319	70.51	V

LEGEND

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

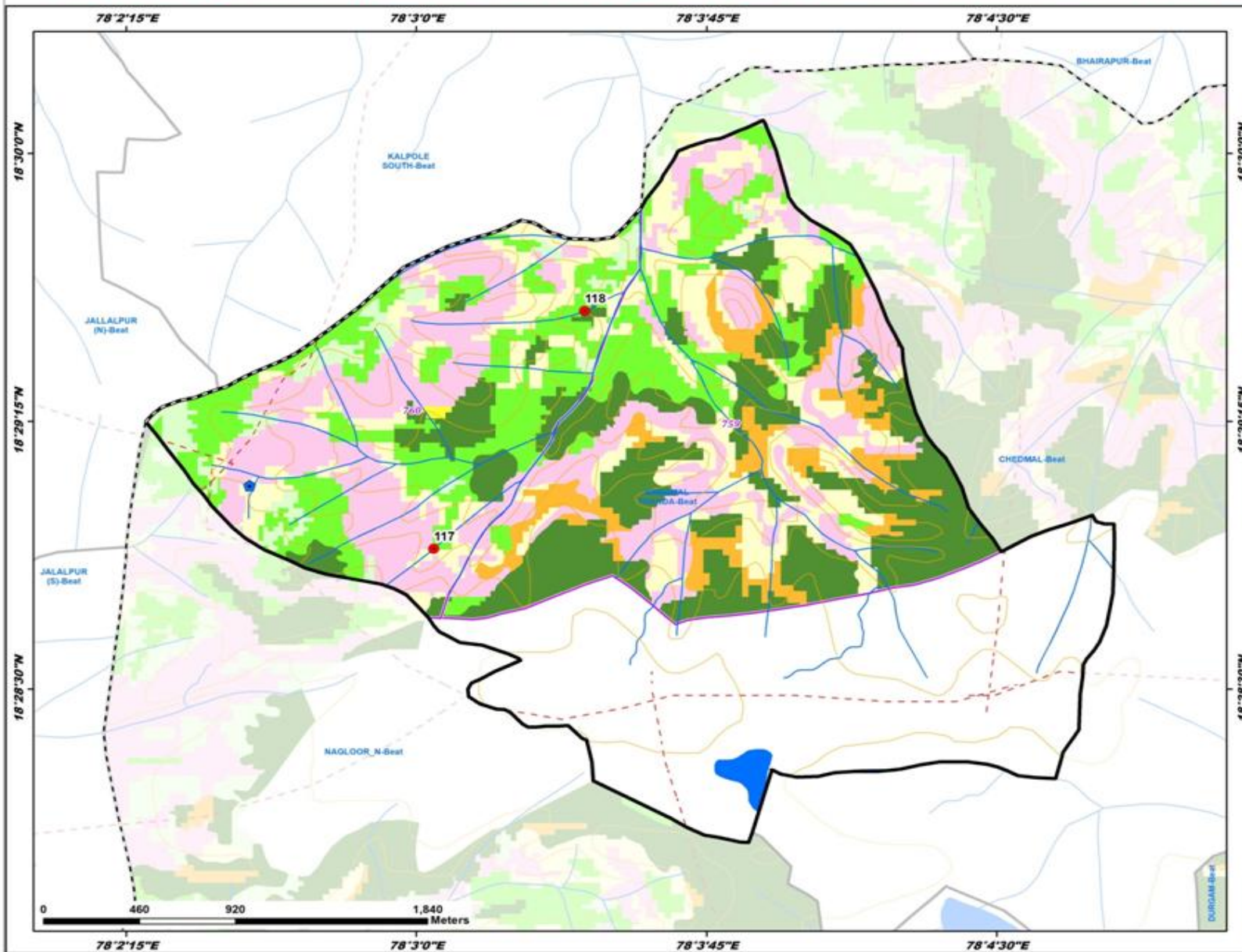
Suitability Index

- 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 Chedmal Thanda Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
117	18.481559	78.050749	17.95	II
118	18.492657	78.057247	26.99	III

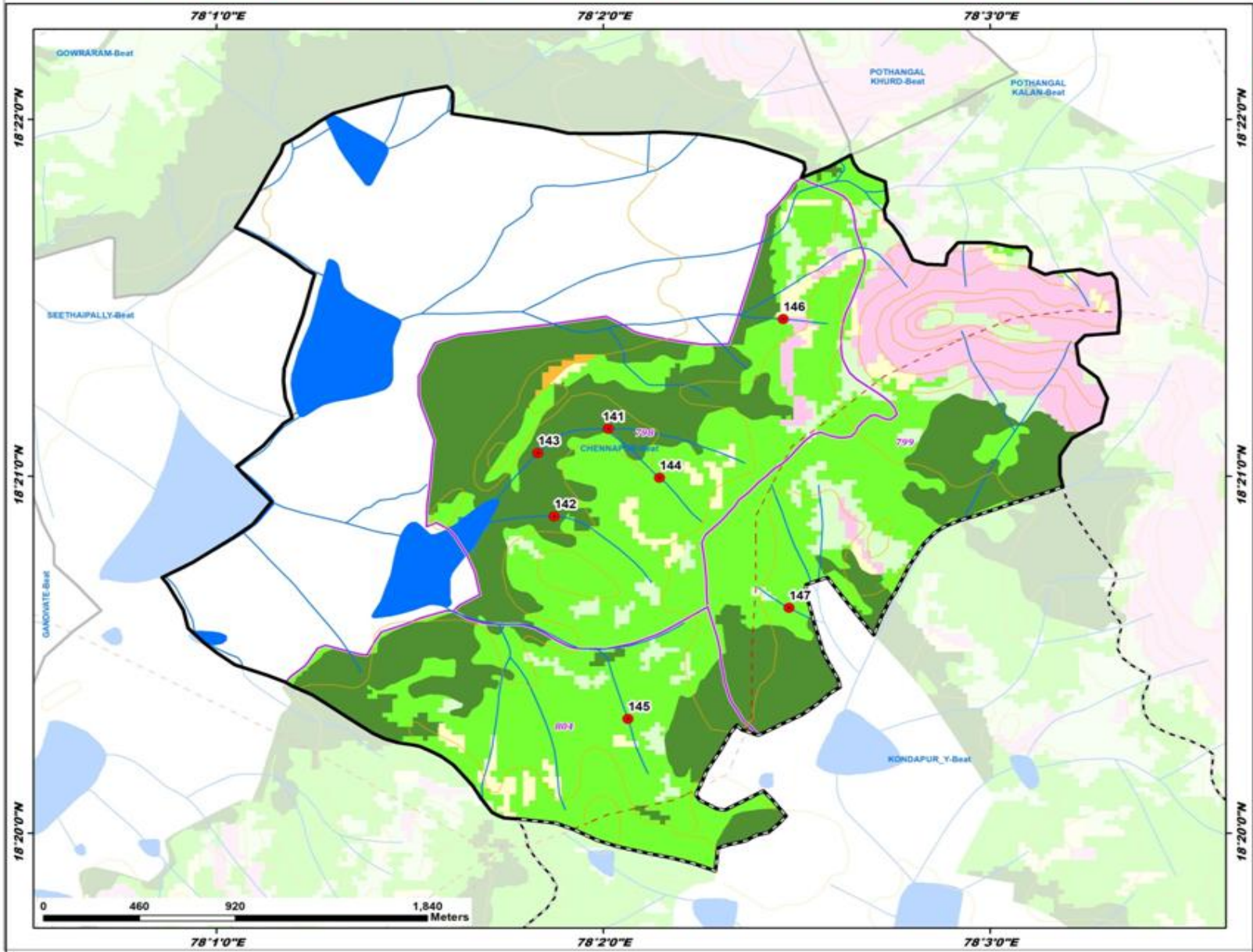
LEGEND

- 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 Chennapur Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
141	18.352219	78.033557	17.08	I
142	18.348134	78.031228	23.02	I
143	18.351090	78.030512	35.28	II
144	18.349935	78.035755	6.17	II
145	18.338676	78.043937	8.48	II
146	18.357345	78.041096	12.38	II
147	18.343858	78.041341	17.16	II

LEGEND

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

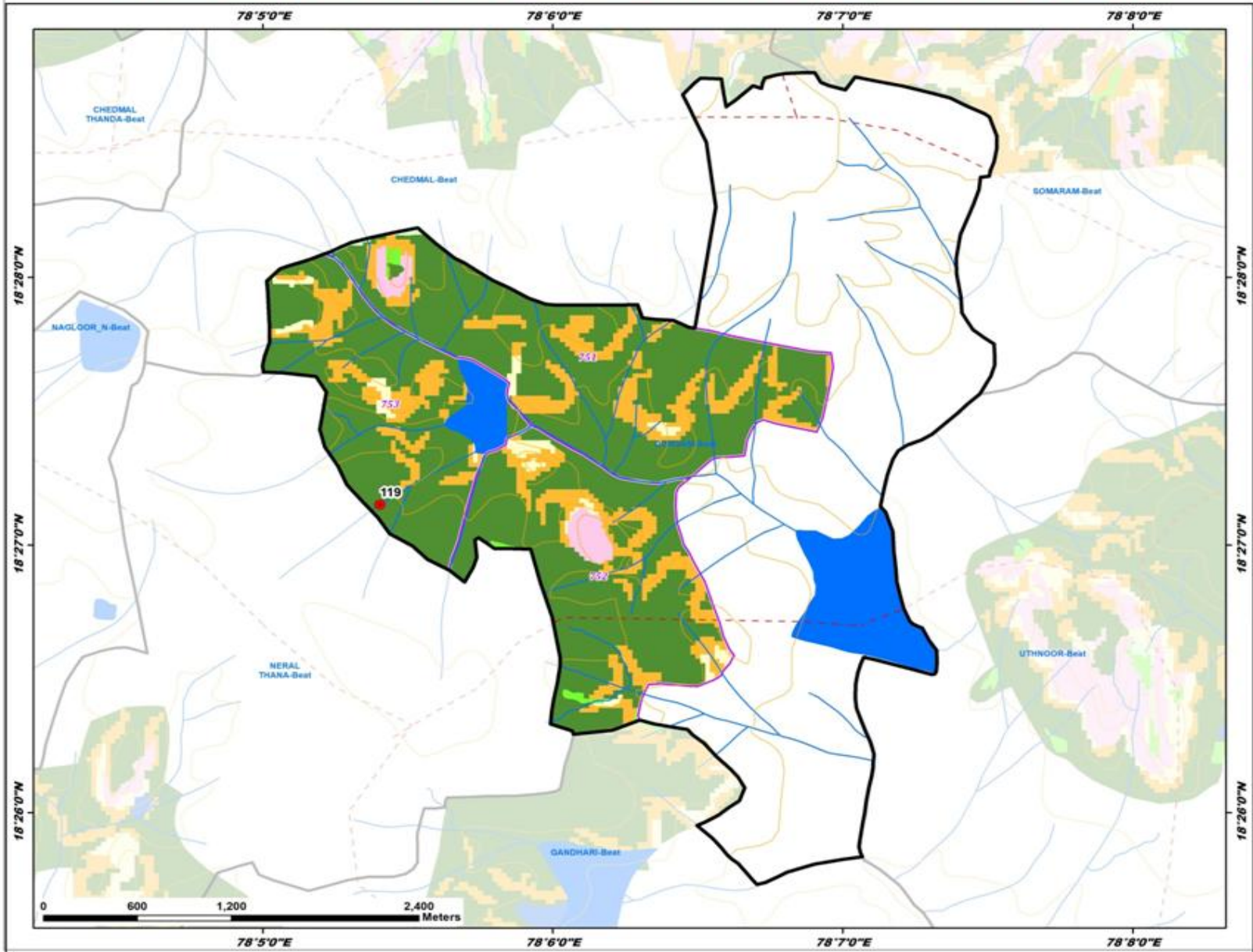
Suitability Index

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

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



Division : Banswada
Range : Gandhari



LEGEND

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

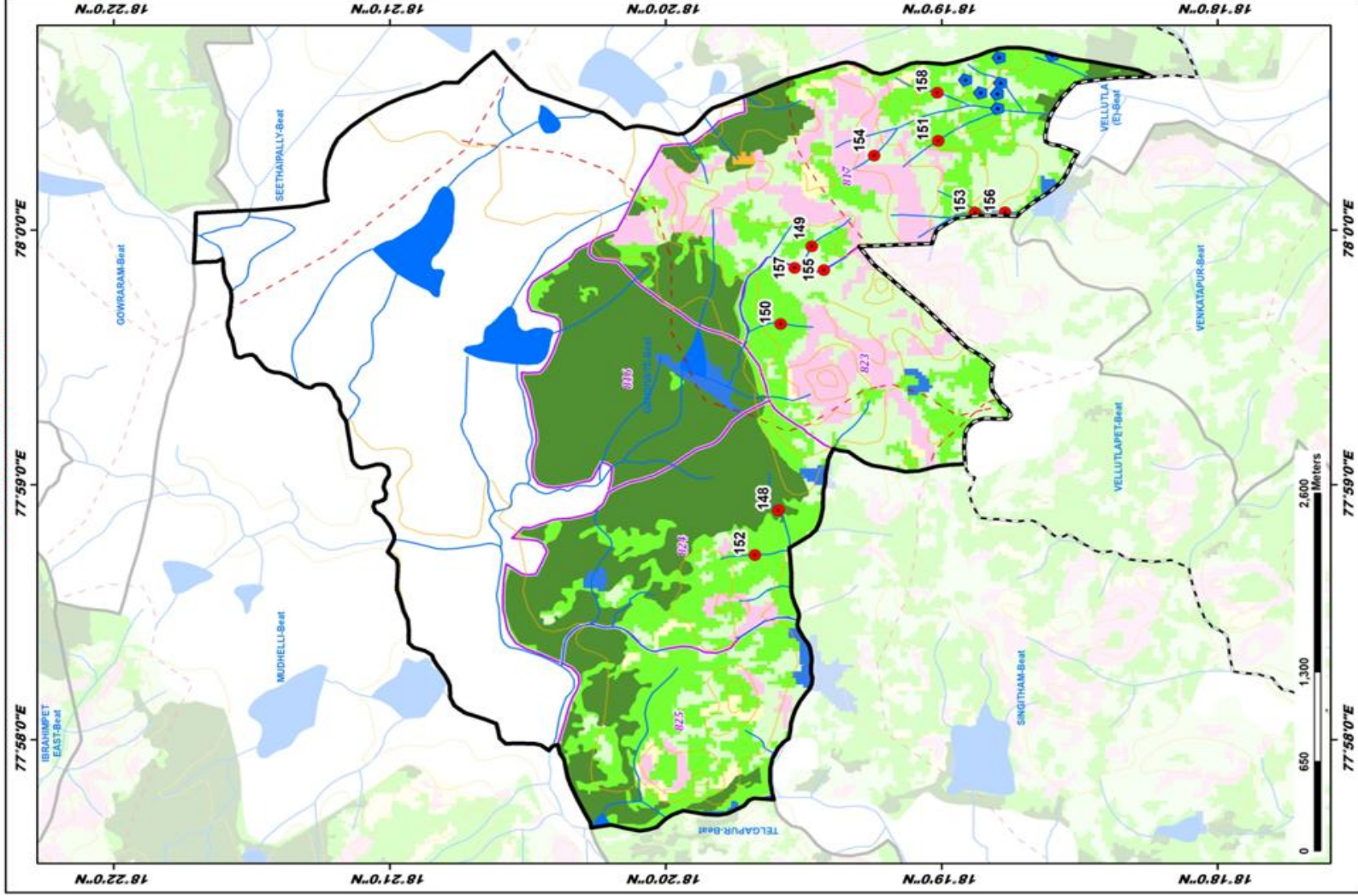
Suitability Index

- 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 Gandivate Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
148	18.320513	77.981697	21.30	I
149	18.320407	77.98957	16.89	II
150	18.326397	77.993878	12.31	II
151	18.316875	78.005871	9.73	II
152	18.327949	77.978760	16.31	II
153	18.314650	78.001169	30.50	III
154	18.320749	78.004893	10.49	IV
155	18.323788	77.997402	13.81	IV
156	18.312828	78.001193	13.18	IV
157	18.32532	77.997558	45.93	V
158	18.316926	78.009014	29.65	V

LEGEND

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

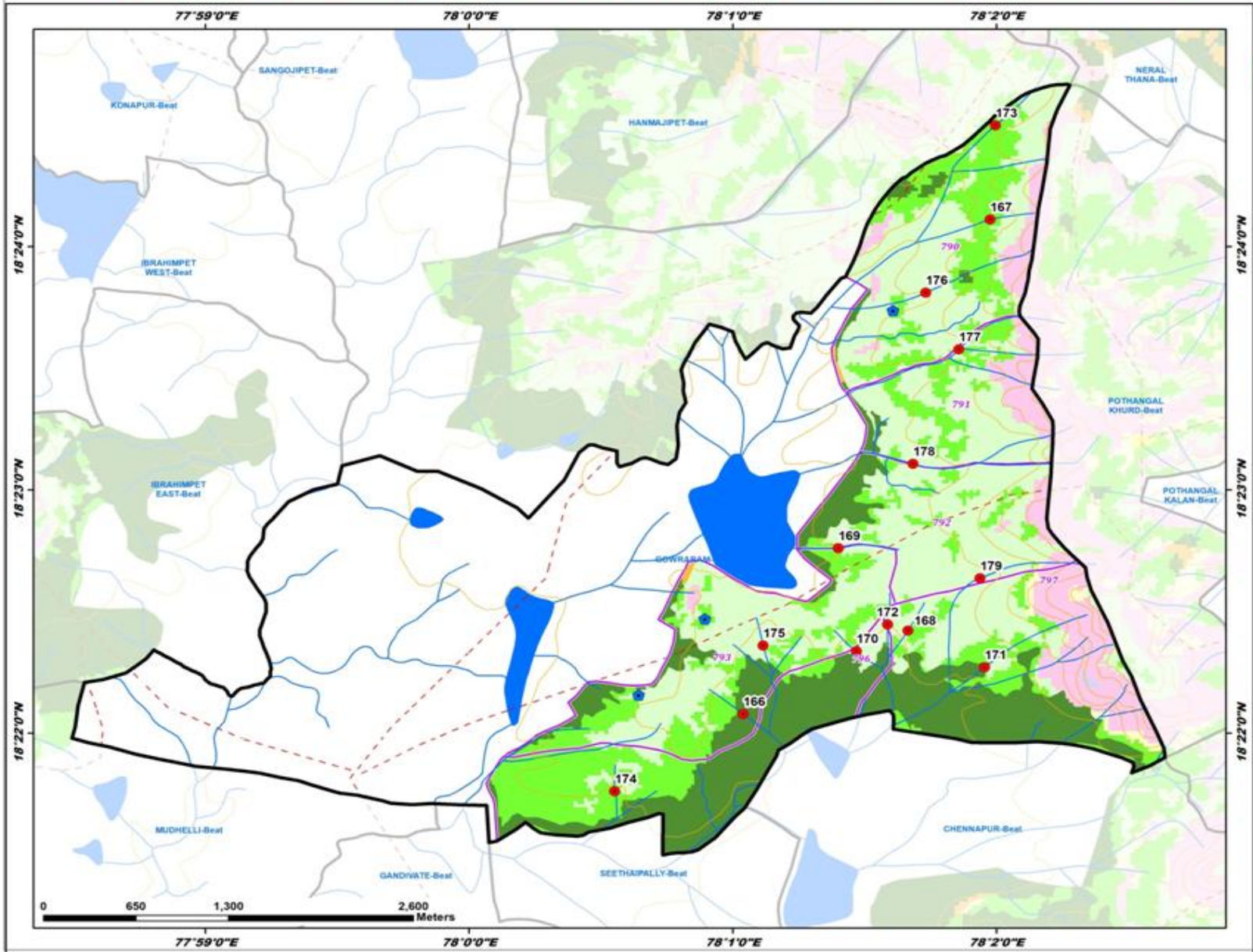
Suitability Index

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

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



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
166	18.367977	78.017343	13.94	I
167	18.401859	78.032945	14.55	II
168	18.375700	78.027754	7.92	II
169	18.379347	78.023347	17.39	II
170	18.372296	78.024485	9.63	II
171	18.371181	78.032596	34.47	II
172	18.374114	78.026469	17.85	IV
173	18.406301	78.032776	94.47	IV
174	18.362686	78.009211	14.75	IV
175	18.372478	78.018594	8.56	IV
176	18.396841	78.028880	18.23	IV
177	18.392969	78.030963	42.95	V
178	18.385125	78.028069	91.21	V
179	18.377283	78.032311	45.57	V

LEGEND

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

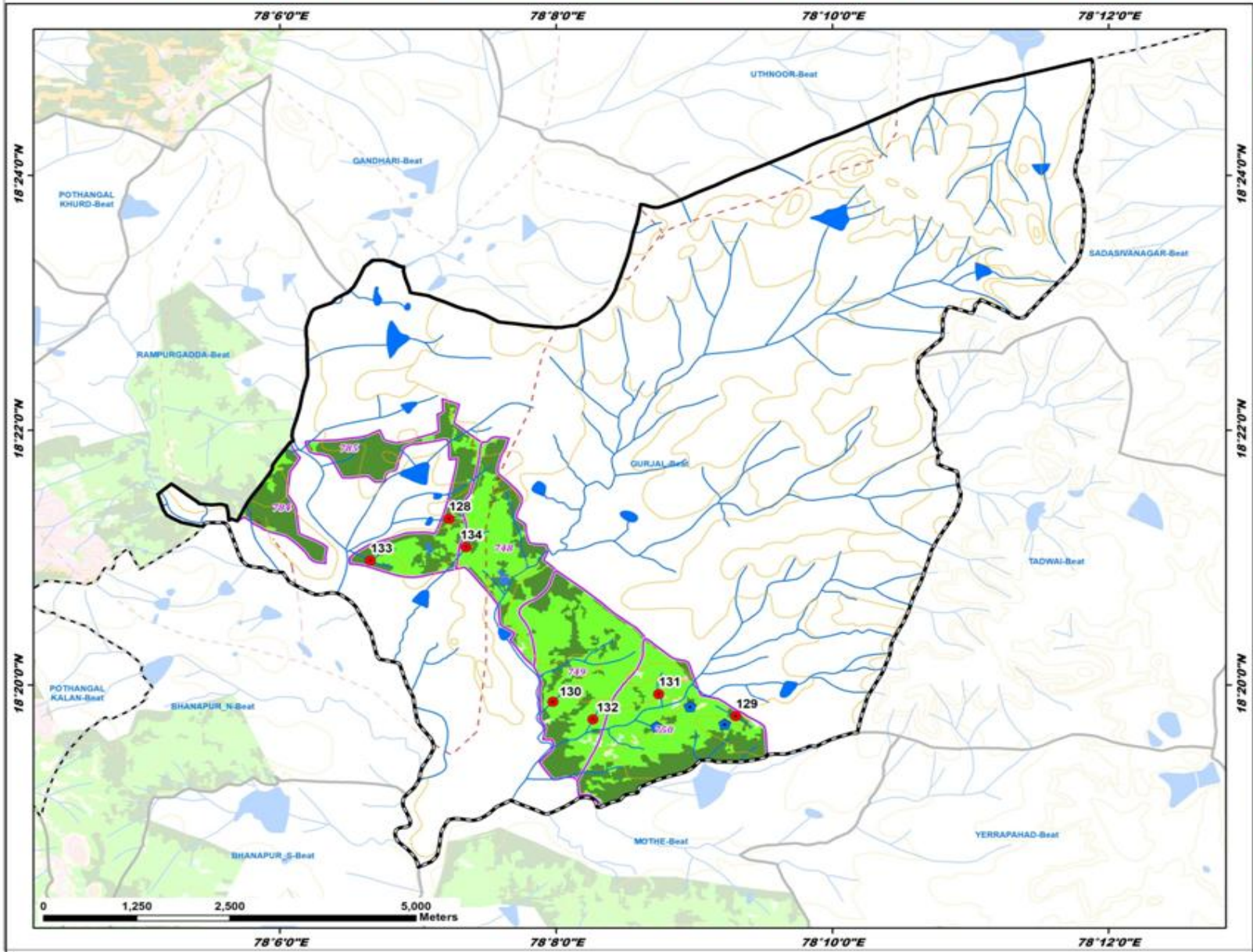
Suitability Index

- 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 Gurjal Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
128	18.355093	78.120378	6.87	I
129	18.329279	78.155017	21.14	I
130	18.331185	78.132971	19.59	II
131	18.332156	78.145702	23.81	II
132	18.328868	78.137799	10.54	II
133	18.349629	78.110922	42.29	II
134	18.351382	78.122462	17.96	II

LEGEND

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

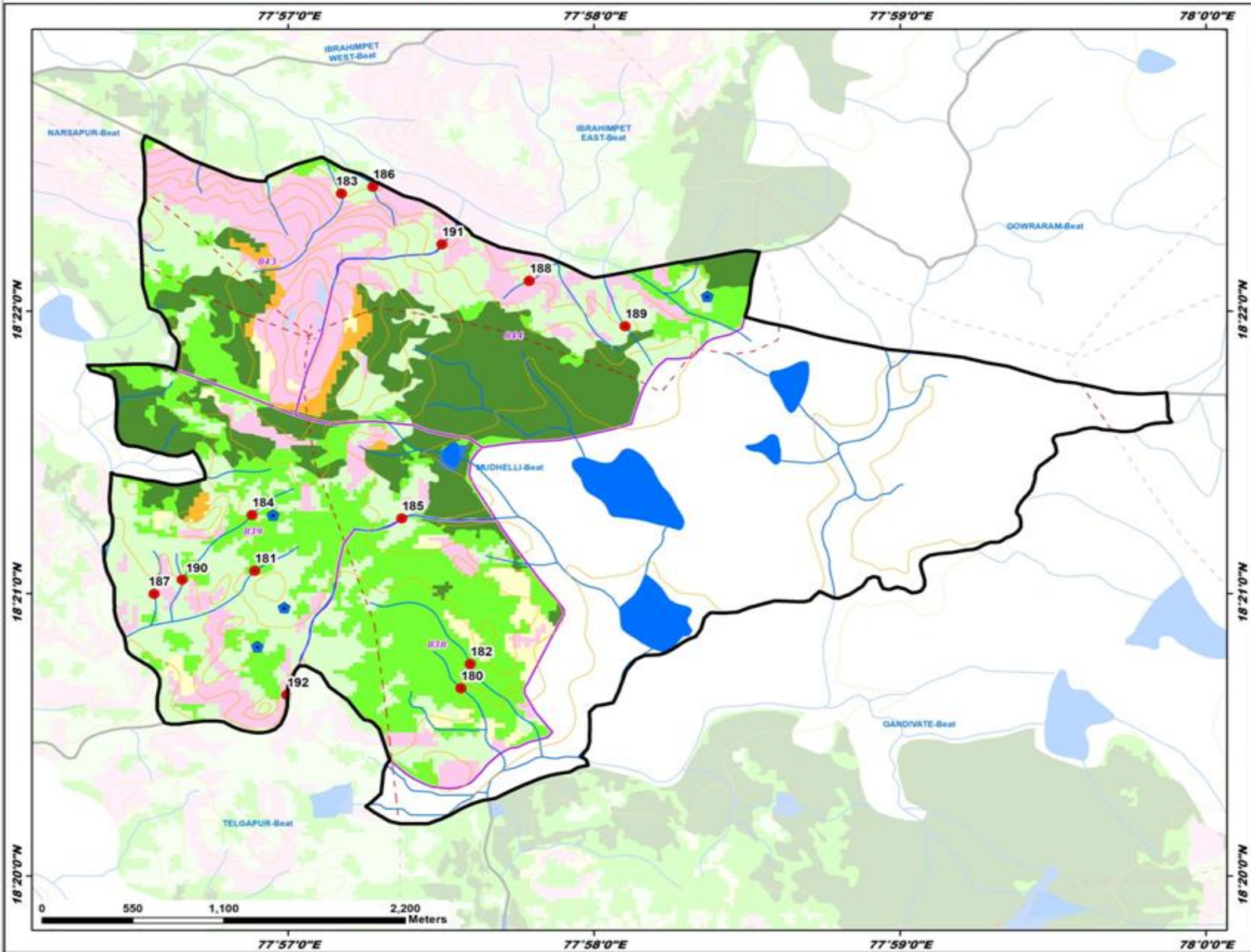
Suitability Index

- 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 Mudhelli Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
180	18.344405	77.959422	8.08	II
181	18.351339	77.948181	14.11	II
182	18.345847	77.959931	36.68	III
183	18.373602	77.952904	17.09	IV
184	18.354645	77.948025	13.78	IV
185	18.354429	77.956198	8.89	IV
186	18.374013	77.954611	14.55	IV
187	18.349987	77.942697	6.75	IV
188	18.368449	77.963143	7.98	IV
189	18.365781	77.968363	12.56	IV
190	18.350812	77.944230	35.74	V
191	18.370616	77.958371	33.83	V
192	18.344020	77.949928	35.02	V

LEGEND

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

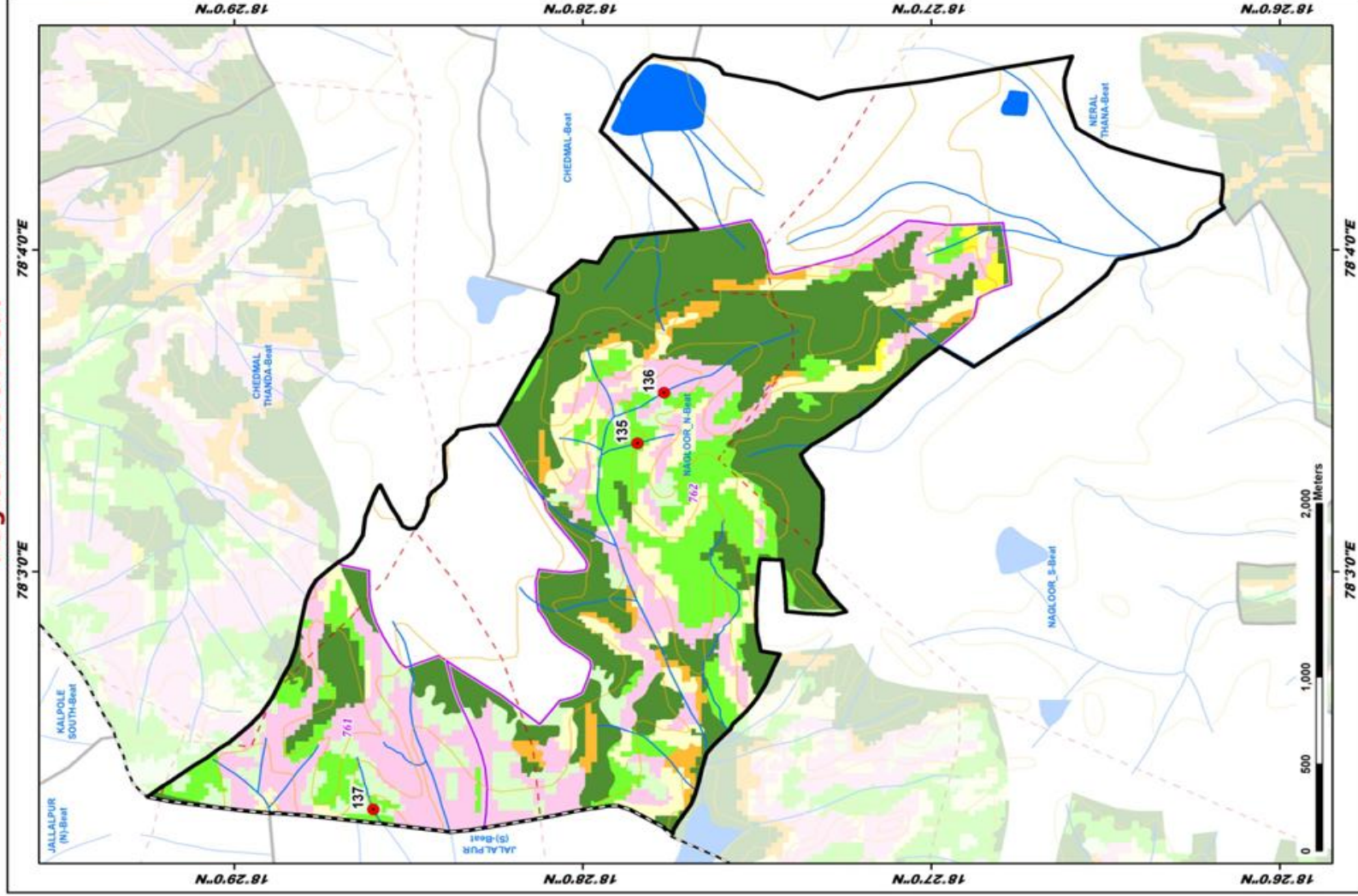
Suitability Index

- 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 Nagloor North Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
135	18.464048	78.056656	6.07	II
136	18.462775	78.059287	26.14	III
137	18.479674	78.079596	6.23	IV

LEGEND

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

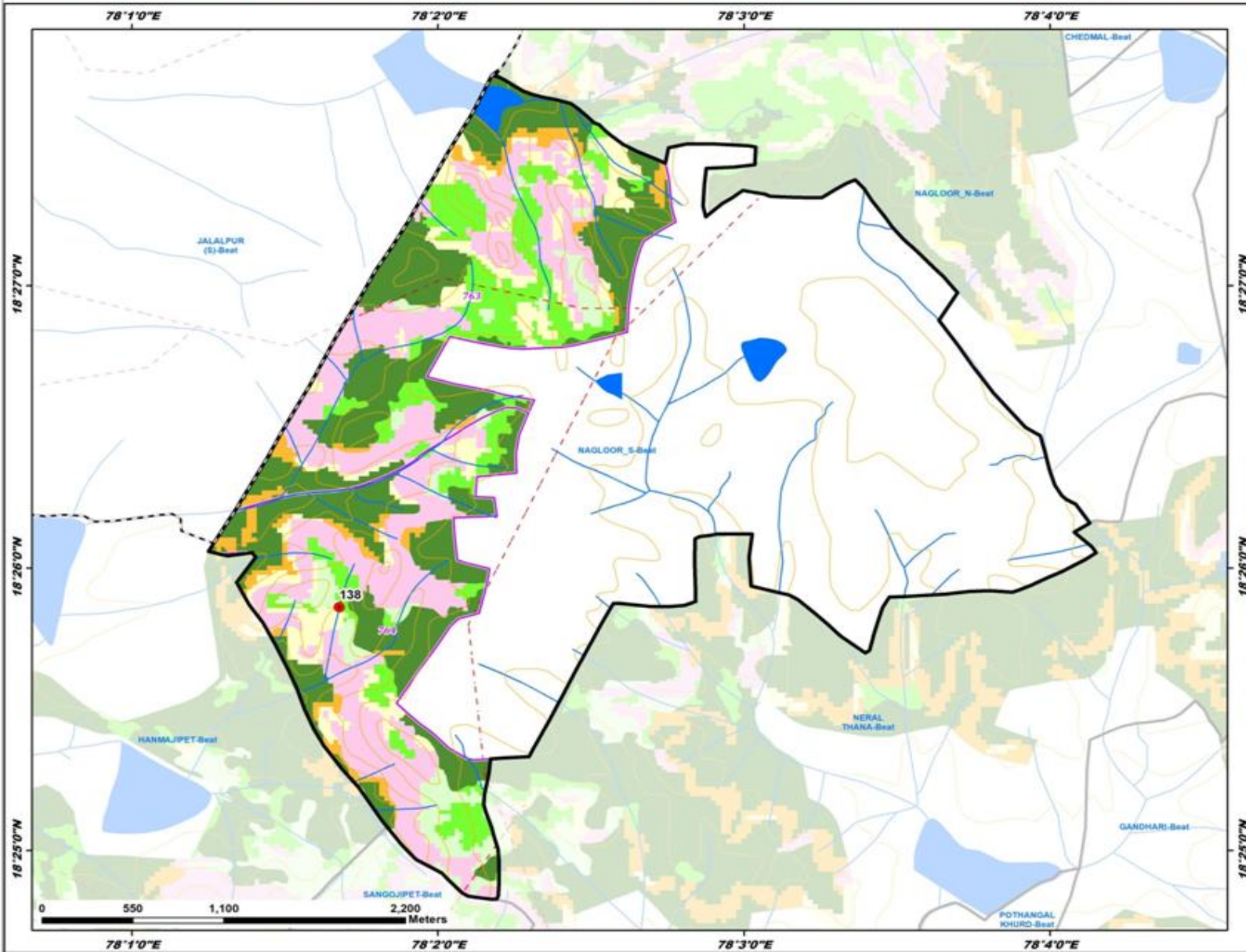
Suitability Index

- 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 Nagloor South Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
138	18.431024	78.027973	5.24	II

LEGEND

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

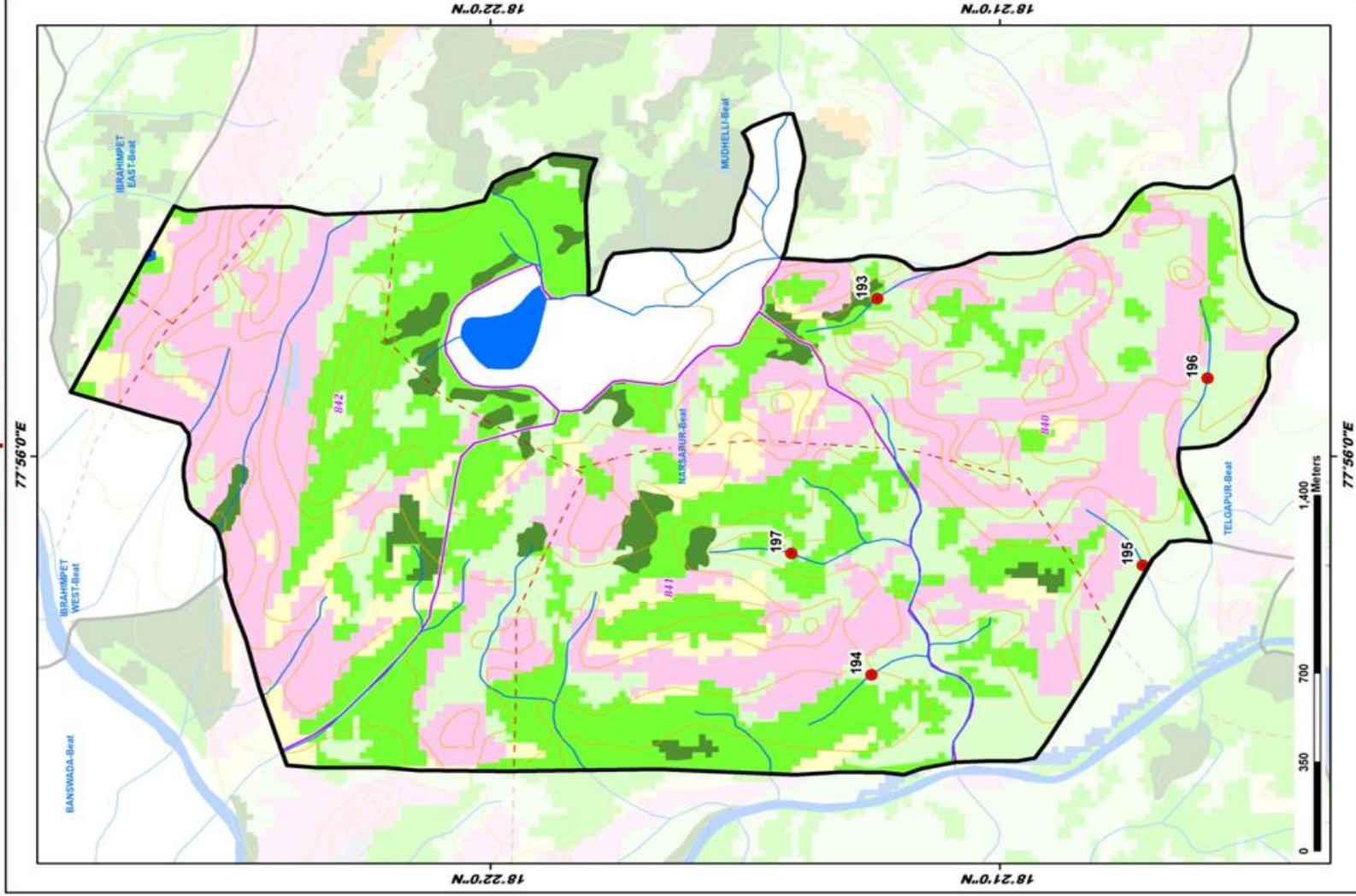
Suitability Index

- 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 Narsapur Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
193	18.394012	77.988937	13.40	II
194	18.394201	77.925599	16.28	IV
195	18.346323	77.929485	13.38	IV
196	18.343205	77.986111	14.87	IV
197	18.396625	77.929903	45.89	V

LEGEND

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

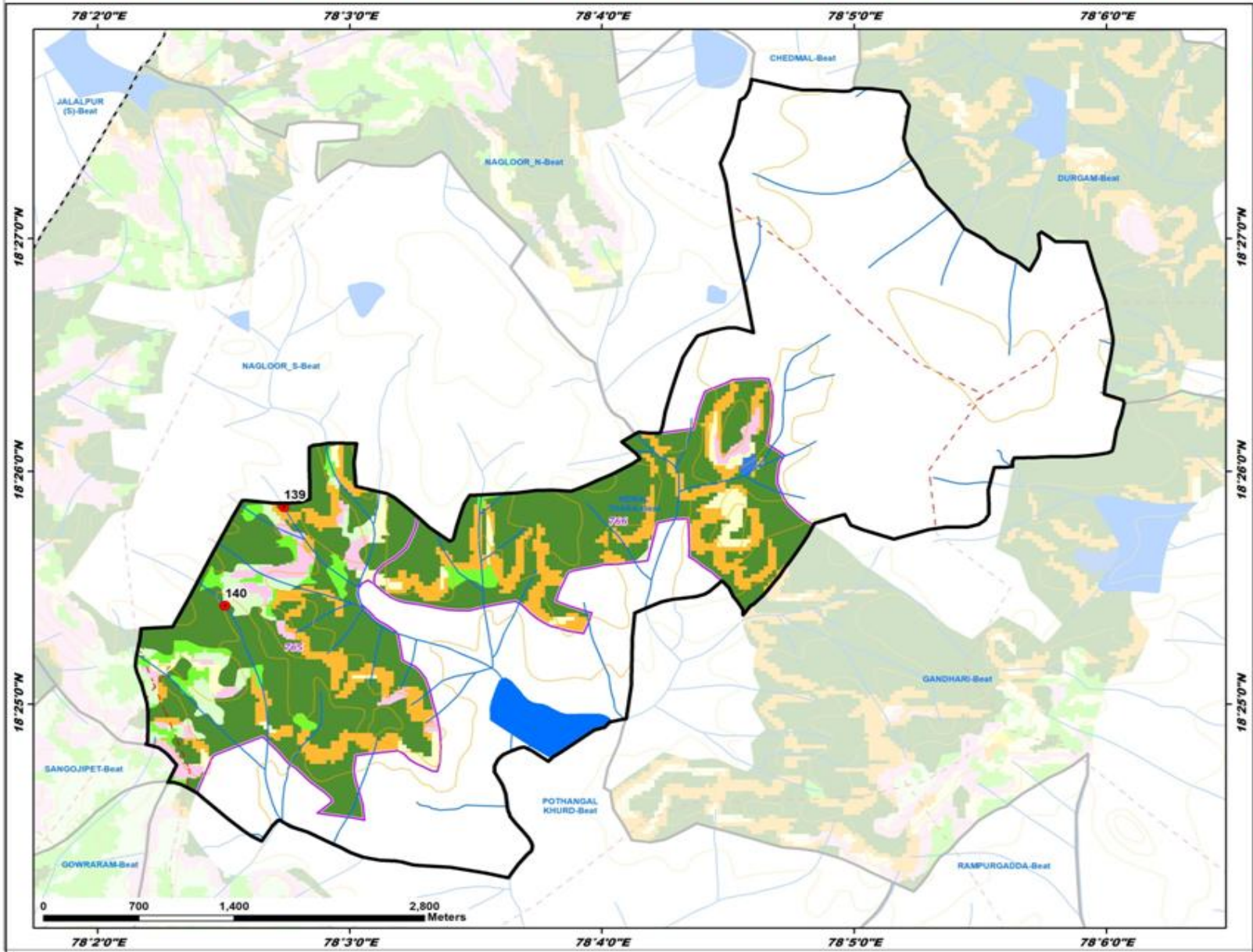
Suitability Index

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

Map Showing Suitability Index for Construction of SMC Works of Neral Thana Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
139	18.430772	78.045646	9.72	I
140	18.423714	78.041755	53.97	III

LEGEND

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

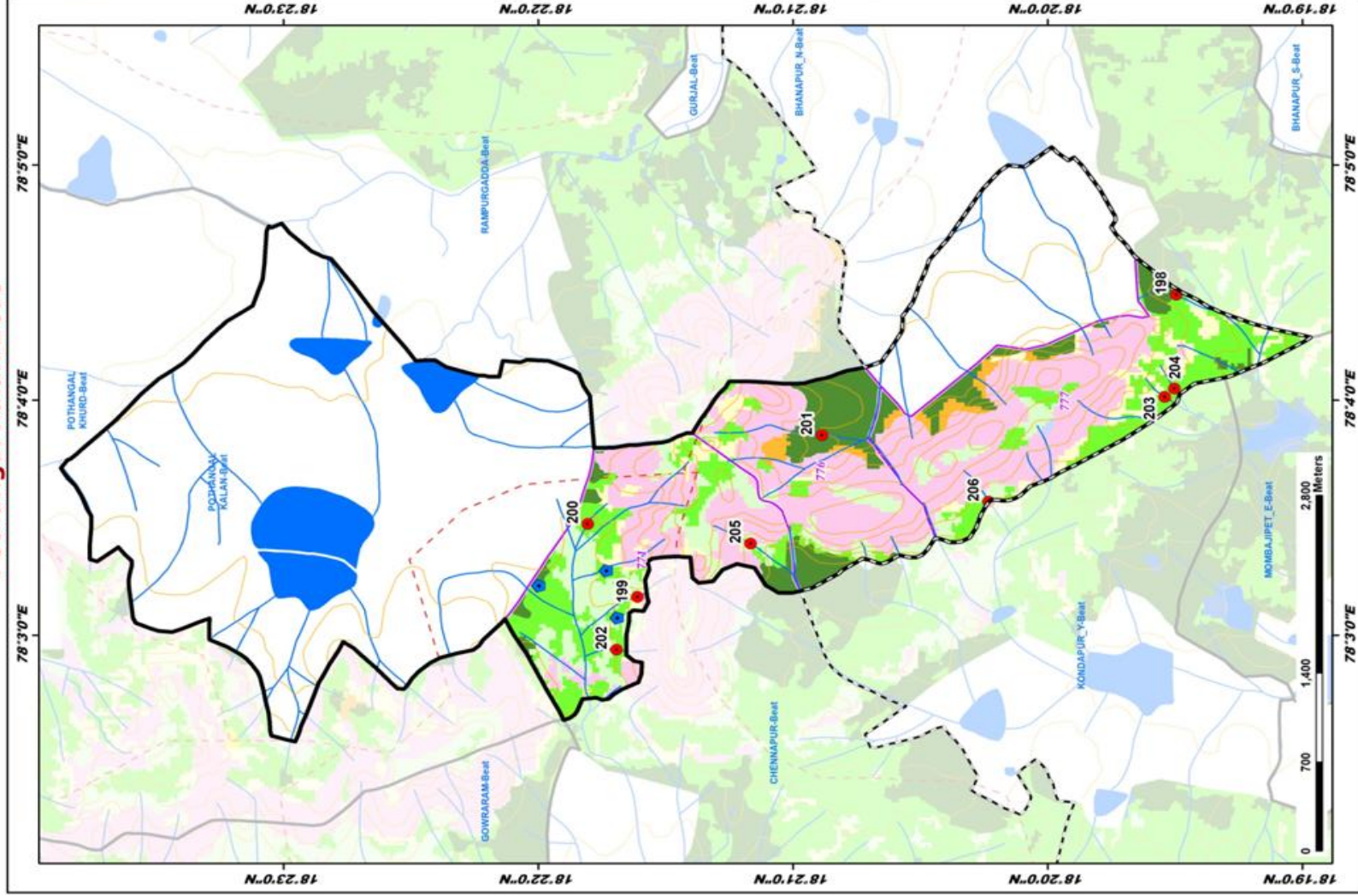
Suitability Index

- 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 Pothangal Kalan Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
198	18.324913	78.074174	10.23	I
199	18.360179	78.052743	17.28	II
200	18.363420	78.057912	7.26	II
201	18.348098	78.064219	25.79	II
202	18.361534	78.089007	6.19	II
203	18.325658	78.066925	6.47	II
204	18.325037	78.067507	15.19	II
205	18.323777	78.056522	22.07	IV
206	18.337183	78.059495	9.56	IV

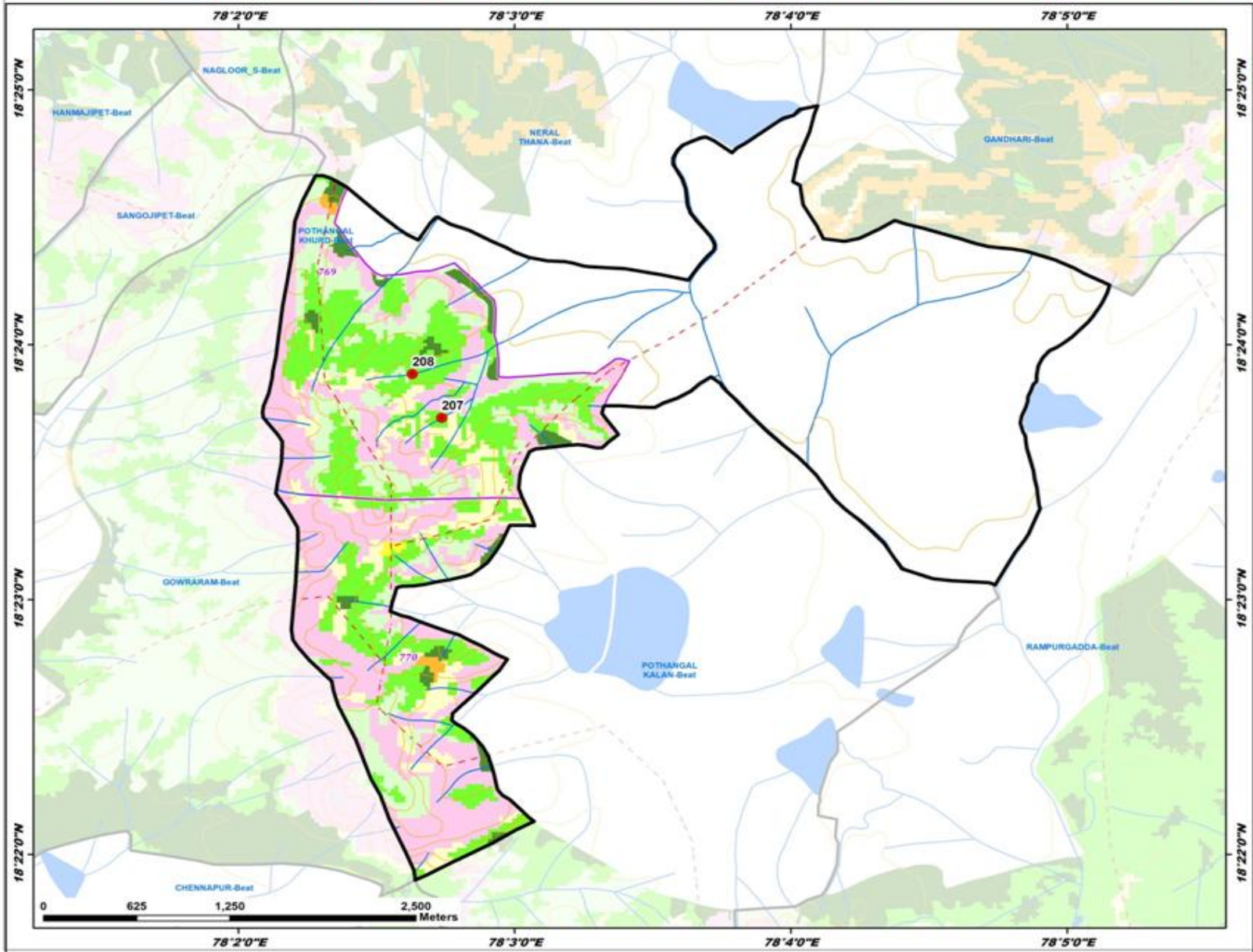
LEGEND

- Proposed PtS
 - Existing CD/PtS
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Beat Boundary
 - Division Boundary
- ### Suitability Index
- CCtS/SCtS - Highly Suitable
 - CCtS/SCtS - Moderately Suitable
 - CCtS/SCtS - Least Suitable
 - PtS - Highly Suitable
 - PtS - Moderately Suitable
 - PtS - Least Suitable
 - MPTs and SGPtS - Suitable
 - Not Suitable
 - Water Body

Map Showing Suitability Index for Construction of SMC Works of Pothangal Khurd Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
207	18.395222	78.045607	14.96	II
208	18.398086	78.043822	9.73	IV

LEGEND

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

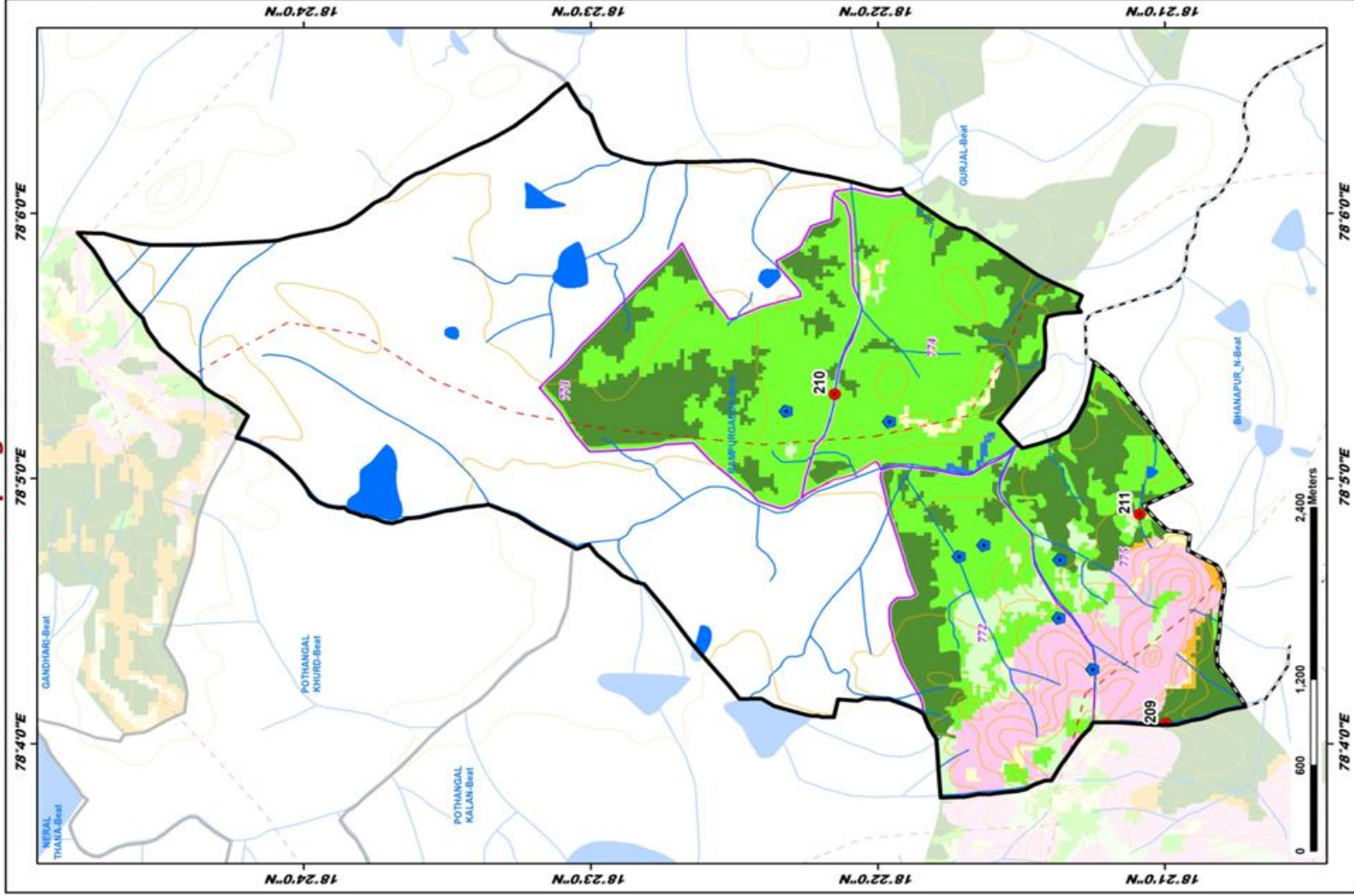
Suitability Index

- 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 Rampurgadda Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
209	18.349950	76.007962	13.16	I
210	18.309187	76.088660	24.29	II
211	18.351463	76.081105	9.78	IV

LEGEND

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

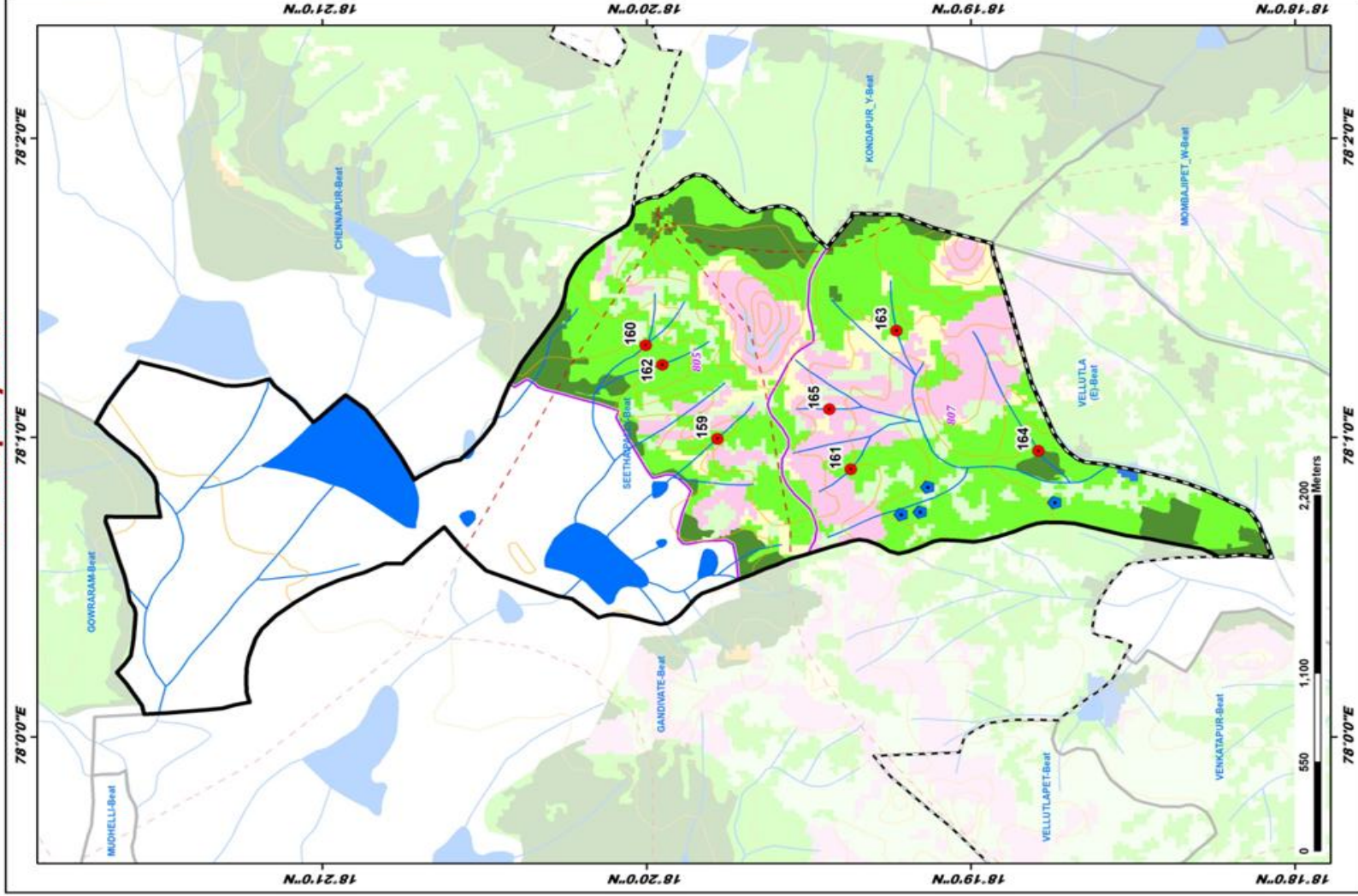
Suitability Index

- 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 Seethaipally Beat



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
159	18.32694	78.01612	9.16	II
160	18.33374	78.021824	26.38	II
161	18.32289	78.014915	8.73	II
162	18.33230	78.020736	19.69	II
163	18.320490	78.022625	25.38	II
164	18.313197	78.015936	29.00	III
165	18.32394	78.018263	9.55	IV

LEGEND

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

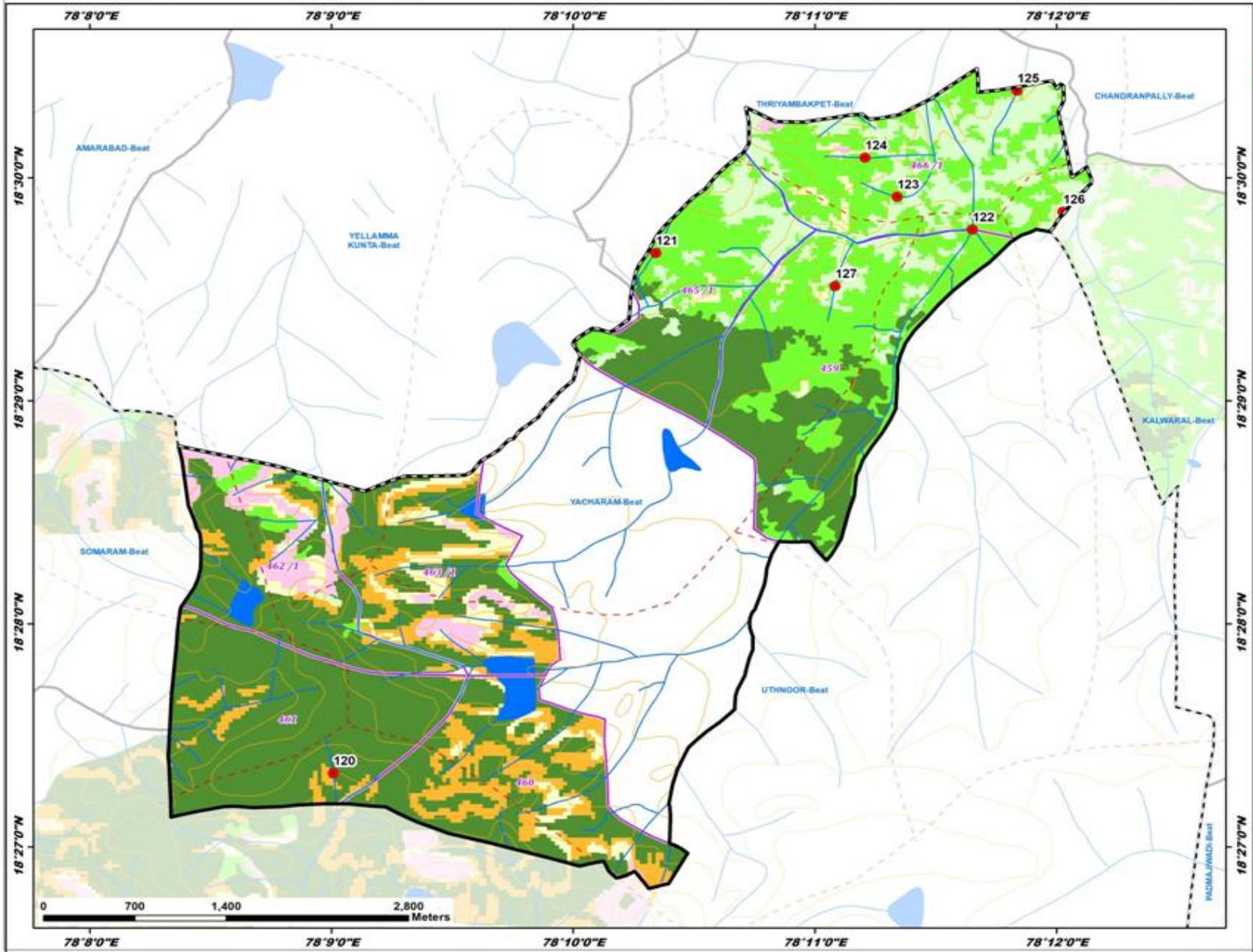
Suitability Index

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

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



Division : Banswada
Range : Gandhari



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
120	18.455519	78.150127	12.08	I
121	18.494385	78.172365	22.34	II
122	18.496156	78.194201	24.64	II
123	18.498601	78.189021	15.14	II
124	18.501515	78.186805	8.09	II
125	18.506518	78.197293	30.24	III
126	18.497474	78.200463	8.09	IV
127	18.491927	78.184743	12.67	IV

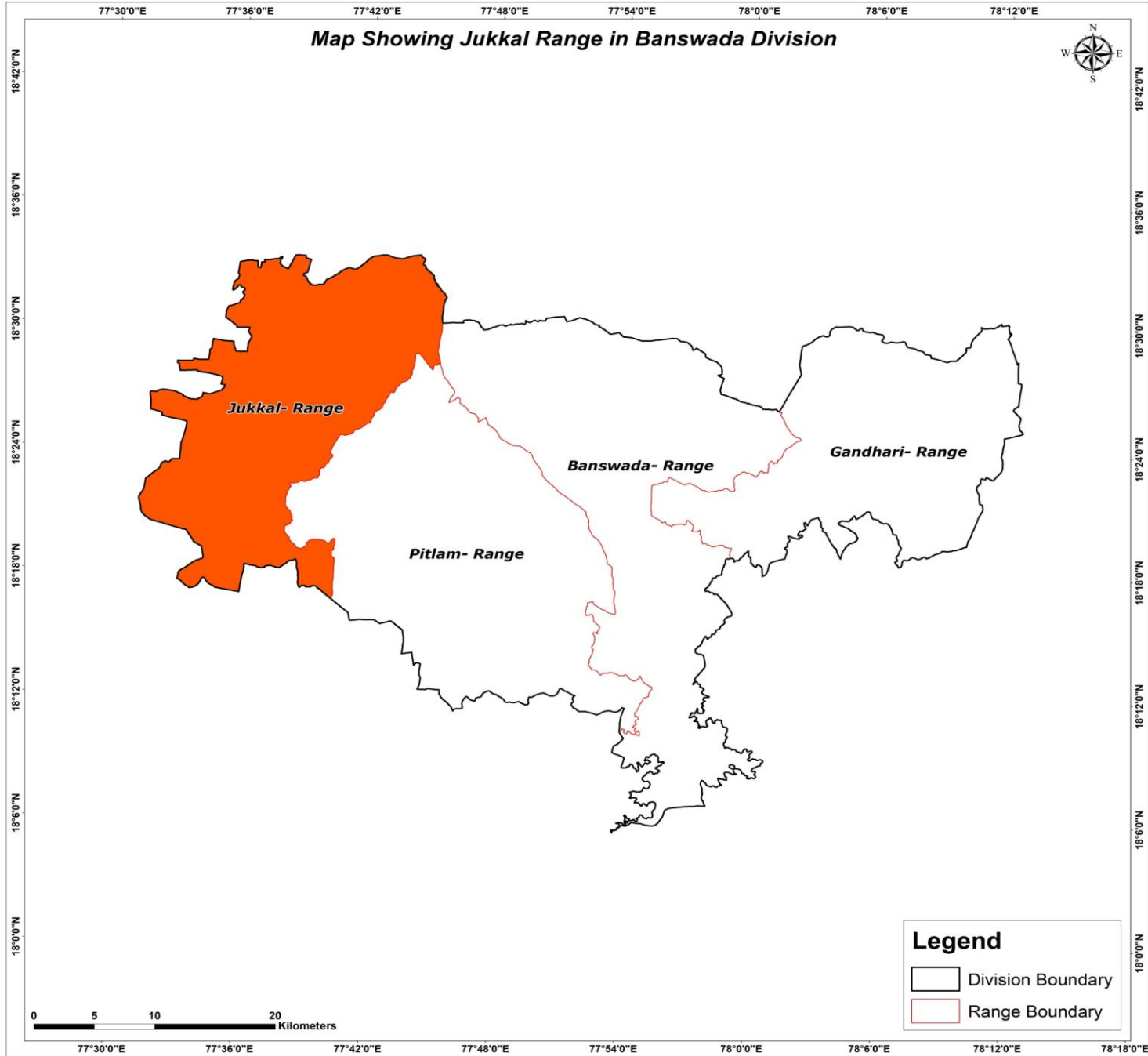
LEGEND

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

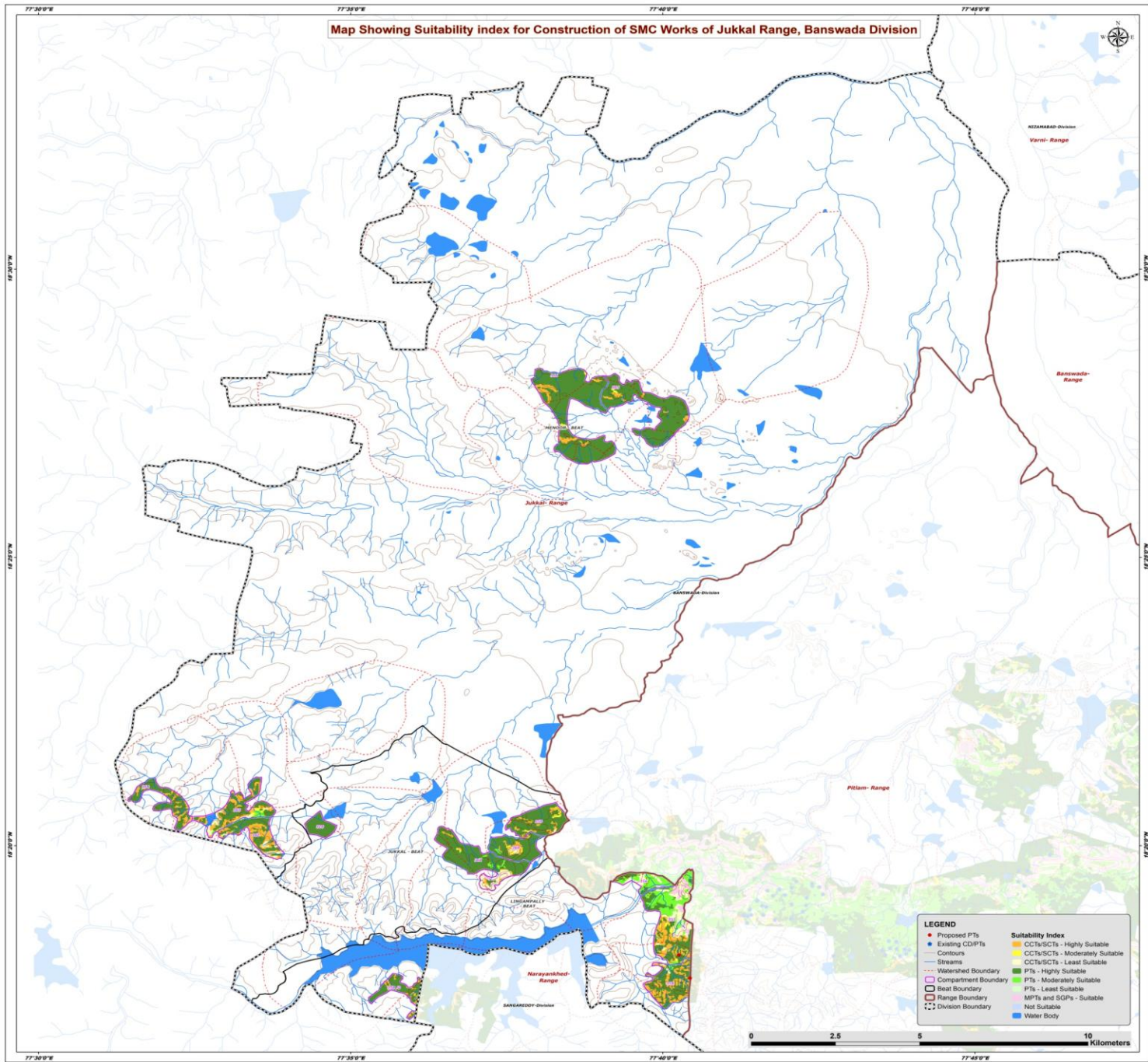
Suitability Index

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

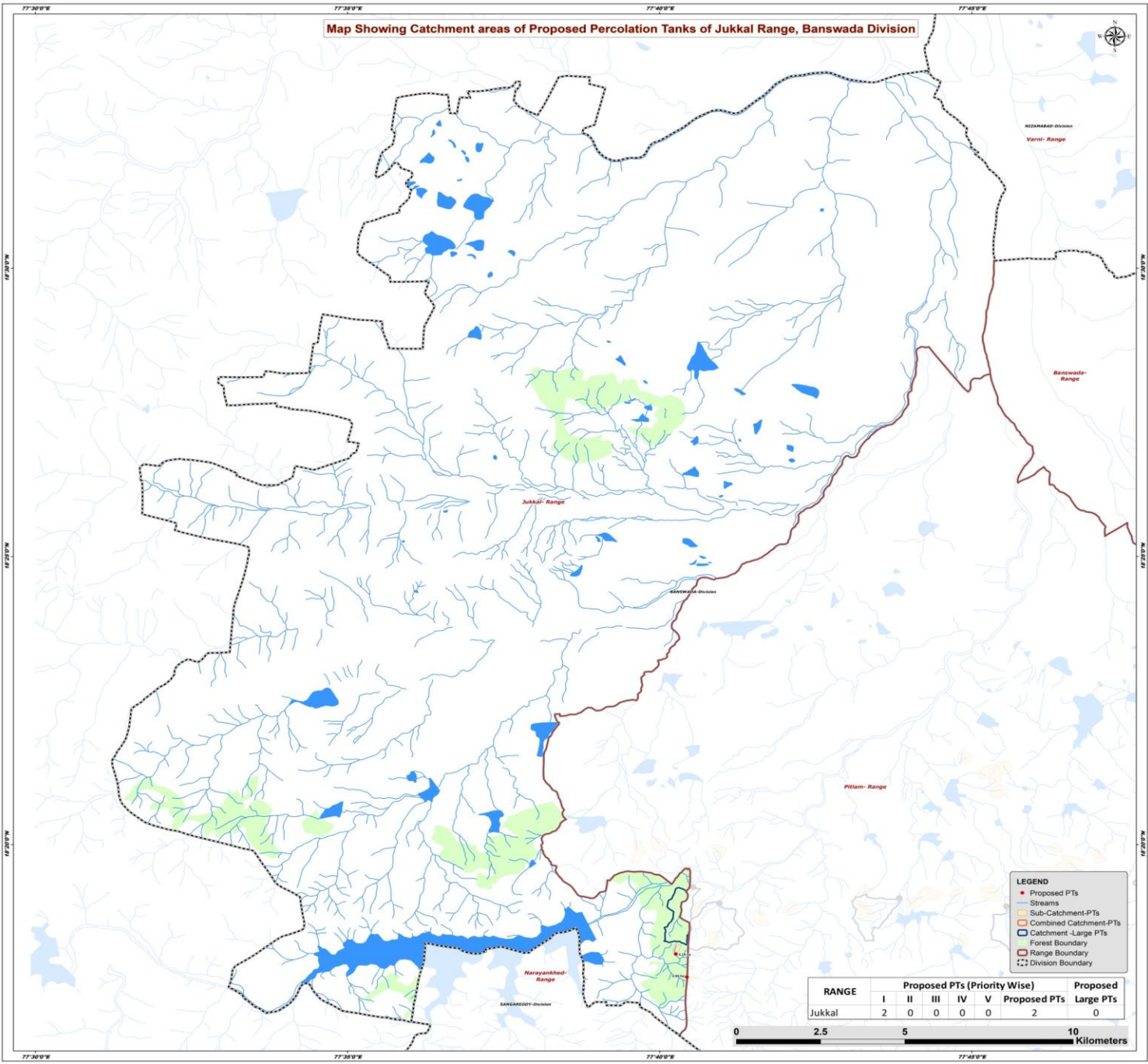
Map Showing Jukkal Range in Banswada Division



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



Map Showing Catchment areas of Proposed Percolation Tanks of Jukkai Range, Banswada Division



- LEGEND**
- Proposed 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	
Jukkai	2	0	0	0	0	2



Beat wise Abstract of Proposed PT's – Jukkal Range

S. No.	Beat	Proposed PT's
1	LINGAMPALLY	2
	Total	2

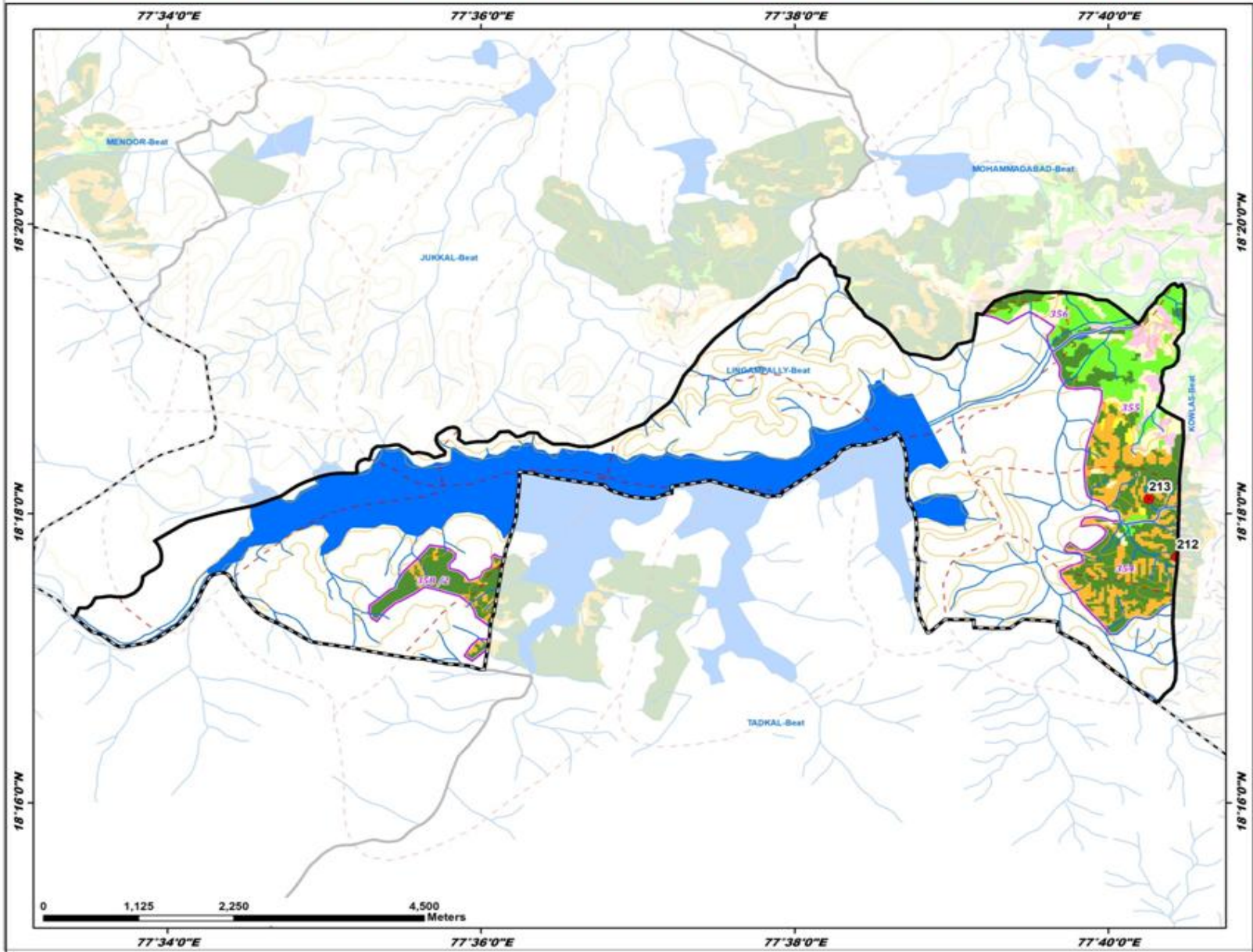
List of Proposed PTs – Jukkal Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
212	18.295029	77.673962	5.95	I	LINGAMPALLY
213	18.301682	77.671002	5.14	I	LINGAMPALLY

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



Division : Banswada
Range : Jukkai



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
212	18.299029	77.673962	5.95	I
213	18.301682	77.673002	5.14	I

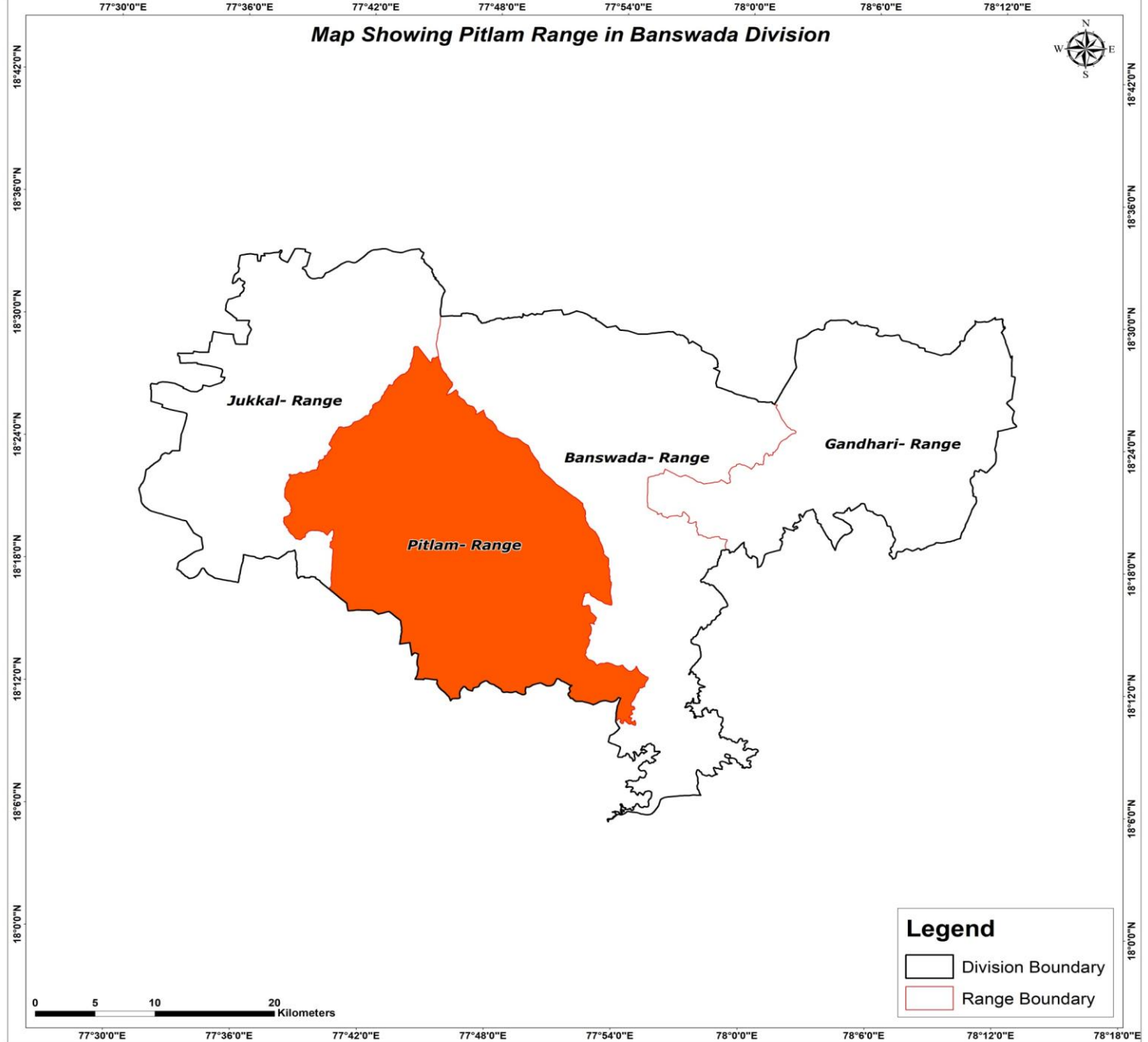
LEGEND

- 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 Pitlam Range in Banswada Division

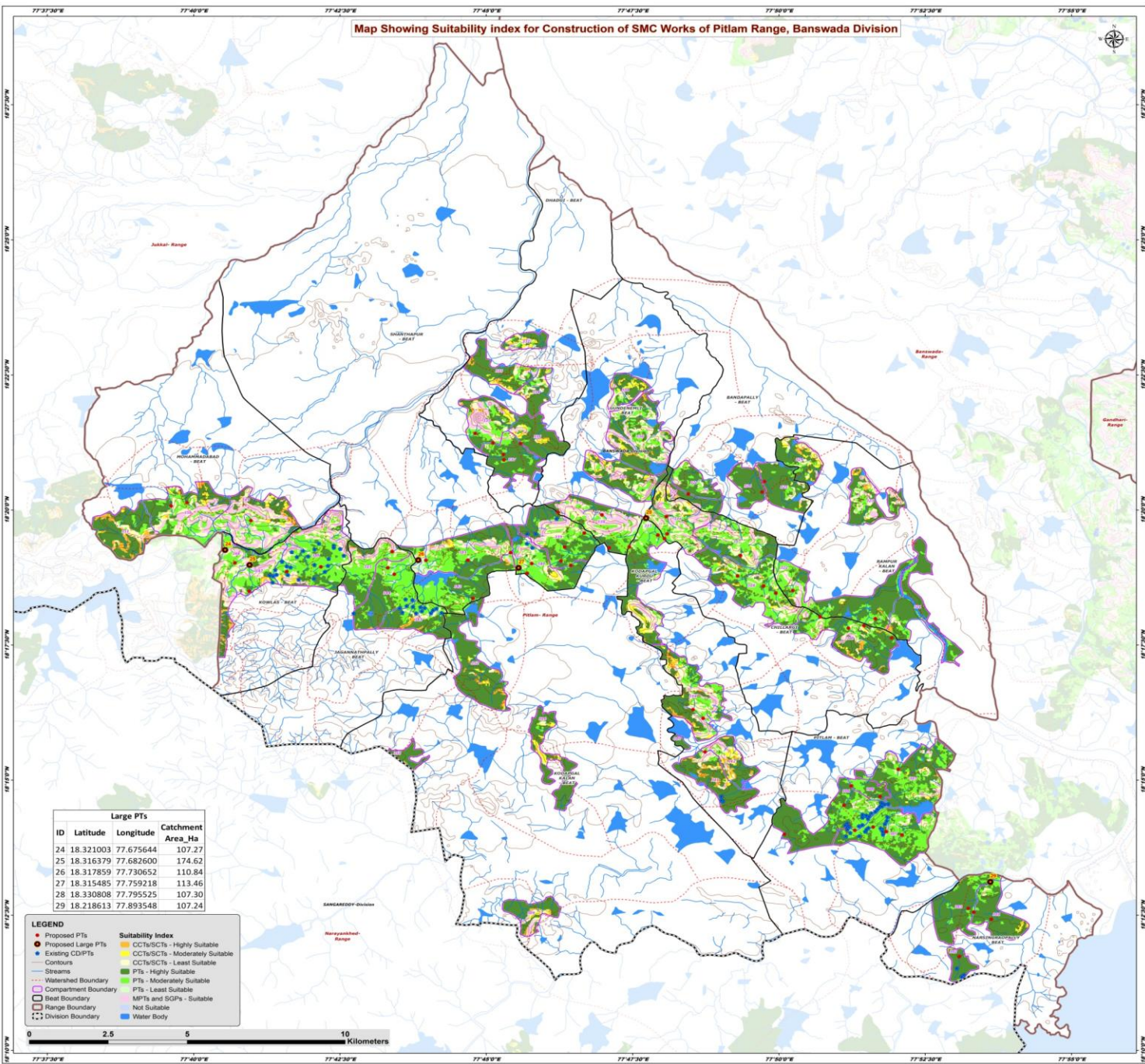


Legend

- Division Boundary
- Range Boundary

0 5 10 20 Kilometers

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

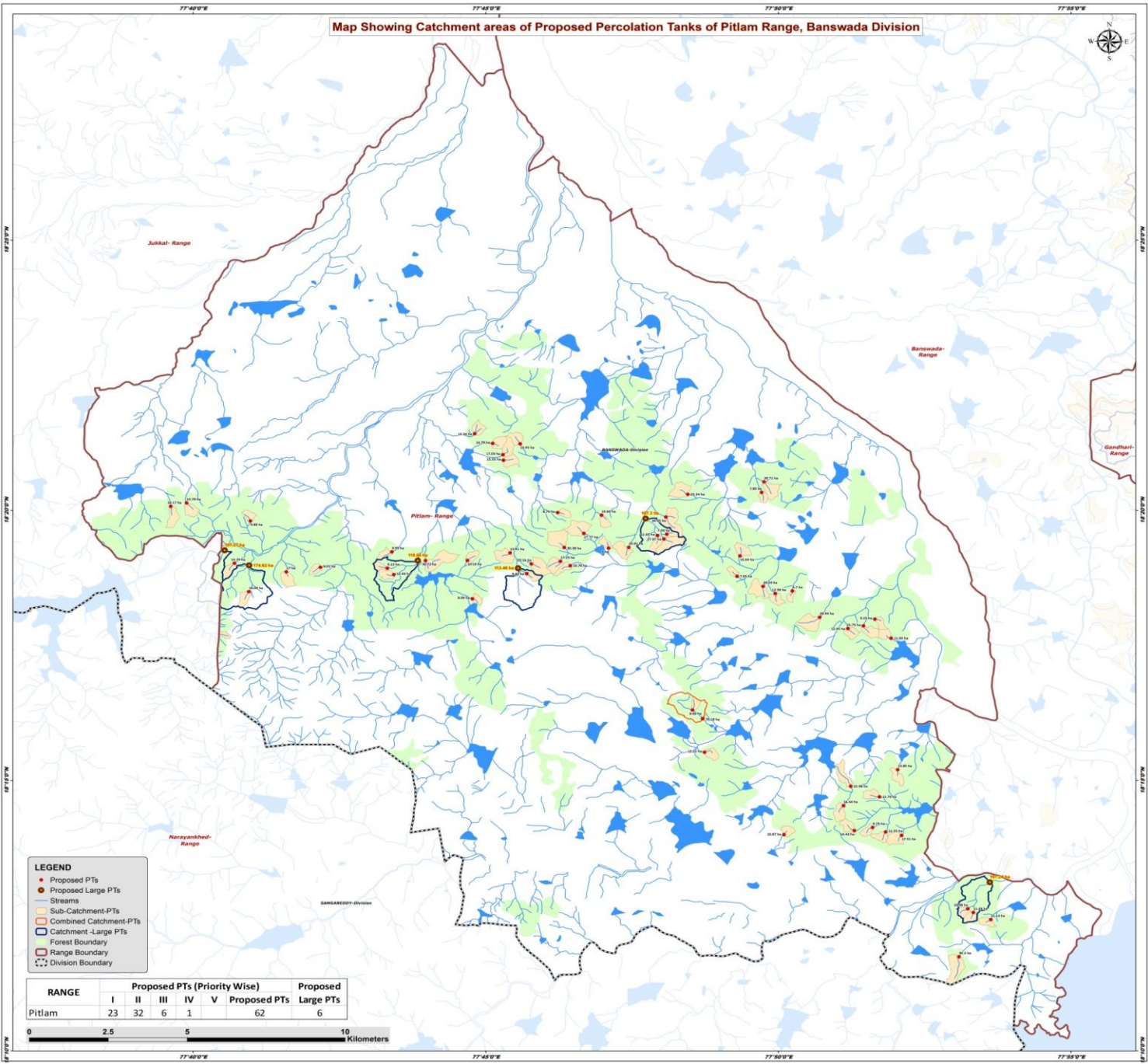


Large PTs			
ID	Latitude	Longitude	Catchment Area_Ha
24	18.321003	77.675644	107.27
25	18.316379	77.682600	174.62
26	18.317859	77.730652	110.84
27	18.315485	77.759218	113.46
28	18.330808	77.795525	107.30
29	18.218613	77.893548	107.24

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



Map Showing Catchment areas of Proposed Percolation Tanks of Pitlam Range, Banswada 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	
Pitlam	23	32	6	1	62	6



Beat wise Abstract of Proposed PT's – Pitlam Range

S. No.	Beat	Proposed PT's
1	BANDAPALLY	3
2	CHILLARGI	11
3	DHADGI	5
4	GUNDENEMLI	3
5	JAGANNATHPALLY	3
6	KODAPGAL KURDU	5
7	KOWLAS	4
8	MOHAMMADABAD	3
9	NARSINGRAOPALLY	4
10	PITLAM	9
11	RAMPUR KALAN	2
12	SHANTHAPUR	10
	Total	62

List of Proposed PTs – Pitlam Range

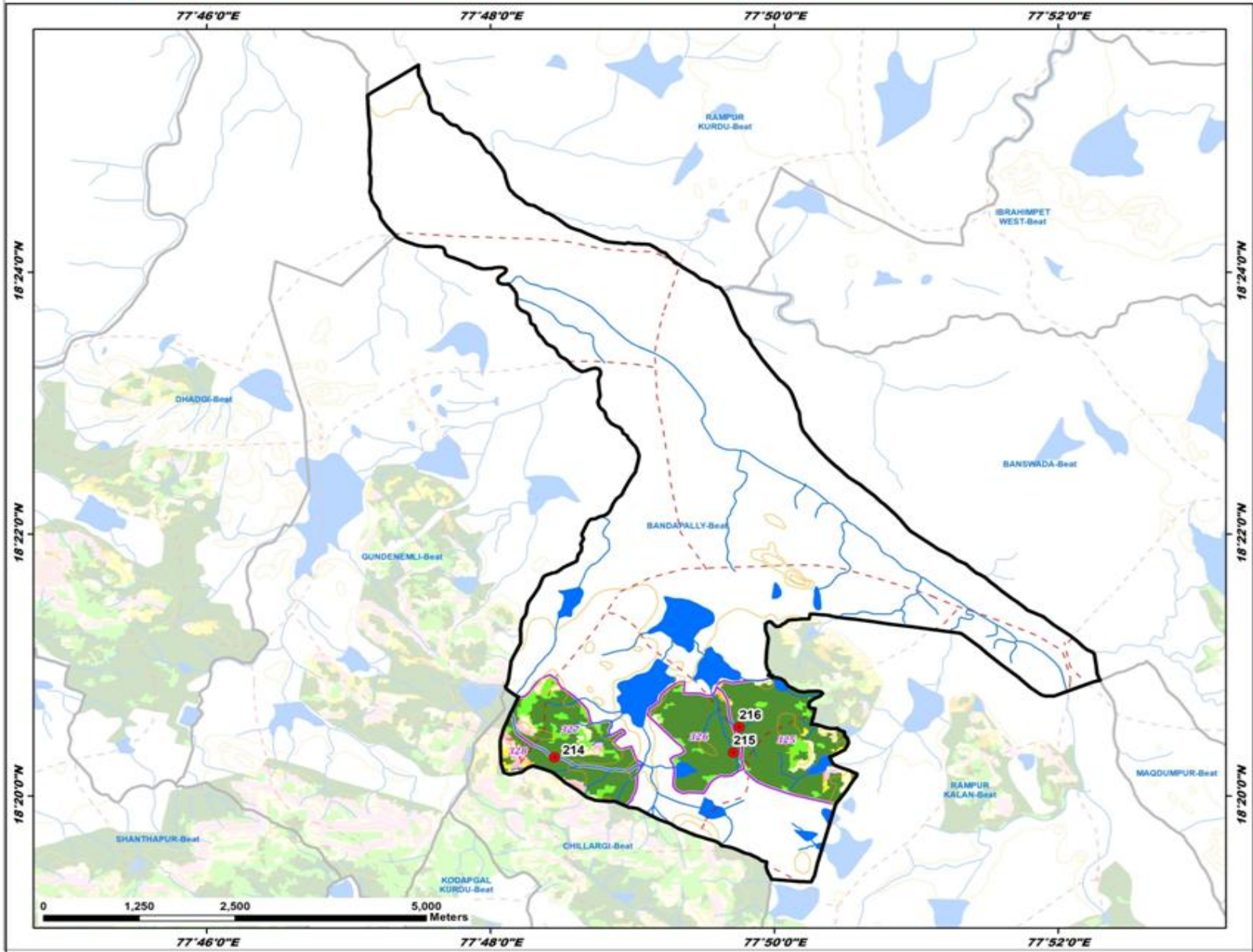
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
214	18.338271	77.807533	23.34	I	BANDAPALLY
215	18.338877	77.828560	7.89	I	BANDAPALLY
216	18.342119	77.829228	20.71	I	BANDAPALLY
217	18.353848	77.759789	13.93	I	DHADGI
218	18.353984	77.751975	14.79	I	DHADGI
219	18.348782	77.755053	15.55	II	DHADGI
220	18.350486	77.754872	17.03	II	DHADGI
221	18.356971	77.746833	13.34	II	DHADGI
222	18.321670	77.784987	9.00	I	GUNDENEMLI
223	18.332651	77.770469	8.76	I	GUNDENEMLI
224	18.331843	77.782960	10.66	II	GUNDENEMLI
225	18.299790	77.860813	9.25	II	RAMPUR KALAN
226	18.308471	77.837348	6.70	II	RAMPUR KALAN
227	18.315503	77.721963	9.13	II	JAGANNATHPALLY
228	18.320516	77.723266	9.99	II	JAGANNATHPALLY
229	18.313513	77.723807	12.43	II	JAGANNATHPALLY
230	18.308237	77.682514	14.09	I	KOWLAS
231	18.314372	77.693204	17.00	II	KOWLAS
232	18.315782	77.702933	9.55	II	KOWLAS
233	18.317007	77.678446	14.79	II	KOWLAS
234	18.334558	77.660277	18.17	I	MOHAMMADABAD
235	18.335621	77.664801	14.79	II	MOHAMMADABAD
236	18.330067	77.682983	9.88	II	MOHAMMADABAD
237	18.306058	77.746218	8.09	I	SHANTHAPUR
238	18.317883	77.744779	10.18	I	SHANTHAPUR
239	18.313824	77.761676	9.44	II	SHANTHAPUR
240	18.320214	77.756921	21.41	II	SHANTHAPUR
241	18.316262	77.774062	10.76	II	SHANTHAPUR
242	18.321901	77.772375	30.38	II	SHANTHAPUR
243	18.317627	77.771260	17.25	II	SHANTHAPUR
244	18.316815	77.762995	25.16	III	SHANTHAPUR
245	18.317844	77.732836	36.72	III	SHANTHAPUR
246	18.326226	77.777938	27.77	III	SHANTHAPUR
247	18.297698	77.857570	15.75	I	CHILLARGI
248	18.293888	77.865452	11.03	I	CHILLARGI
249	18.325969	77.801554	7.04	I	CHILLARGI
250	18.319287	77.822423	15.64	I	CHILLARGI
251	18.309908	77.828990	24.24	II	CHILLARGI
252	18.296890	77.853129	12.45	II	CHILLARGI
253	18.307674	77.832459	12.58	II	CHILLARGI

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
254	18.312987	77.821574	7.65	II	CHILLARGI
255	18.300375	77.845094	28.94	III	CHILLARGI
256	18.331284	77.801296	33.05	III	CHILLARGI
257	18.324513	77.800753	27.97	III	CHILLARGI
258	18.271748	77.808874	8.86	I	KODAPGAL KURDU
259	18.258724	77.812310	12.25	II	KODAPGAL KURDU
260	18.321920	77.790724	20.91	II	KODAPGAL KURDU
261	18.325594	77.798882	12.65	II	KODAPGAL KURDU
262	18.269084	77.811794	75.18	IV	KODAPGAL KURDU
263	18.209288	77.888869	11.68	I	NARSINGRAOPALLY
264	18.210453	77.887299	10.08	I	NARSINGRAOPALLY
265	18.207105	77.893843	11.13	I	NARSINGRAOPALLY
266	18.195613	77.884764	34.30	II	NARSINGRAOPALLY
267	18.233305	77.834929	10.87	I	PITLAM
268	18.242244	77.851892	16.44	I	PITLAM
269	18.248209	77.853928	22.98	I	PITLAM
270	18.244955	77.862116	12.79	I	PITLAM
271	18.253345	77.867333	13.85	II	PITLAM
272	18.235534	77.860165	9.73	II	PITLAM
273	18.234144	77.863880	12.55	II	PITLAM
274	18.233069	77.868443	17.51	II	PITLAM
275	18.234542	77.854956	14.43	II	PITLAM

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



Division : Banswada
Range : Pitlam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
214	18.338271	77.807533	23.34	I
215	18.338877	77.828560	7.89	I
216	18.342119	77.829228	20.71	I

LEGEND

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

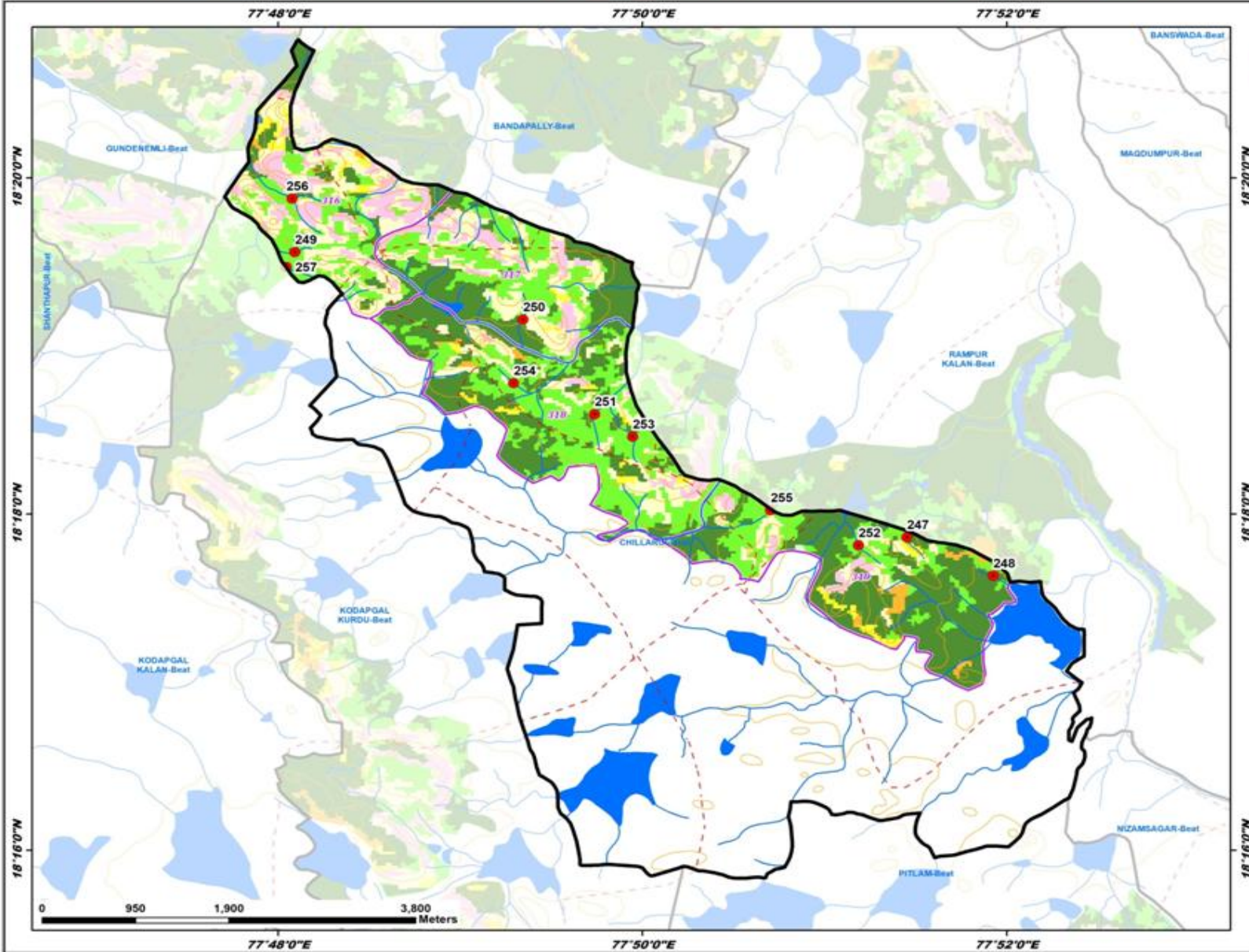
Suitability Index

- 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 Chillargi Beat



Division : Banswada
Range : Pitlam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
247	18.297698	77.857570	15.75	I
248	18.293888	77.865452	11.03	I
249	18.325969	77.801554	7.04	I
250	18.319287	77.822423	15.64	I
251	18.309908	77.828990	24.24	II
252	18.296890	77.853129	12.45	II
253	18.307674	77.832459	12.58	II
254	18.312987	77.821574	7.65	II
255	18.300375	77.845094	28.94	III
256	18.331284	77.801296	33.05	III
257	18.324513	77.800793	27.97	III

LEGEND

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

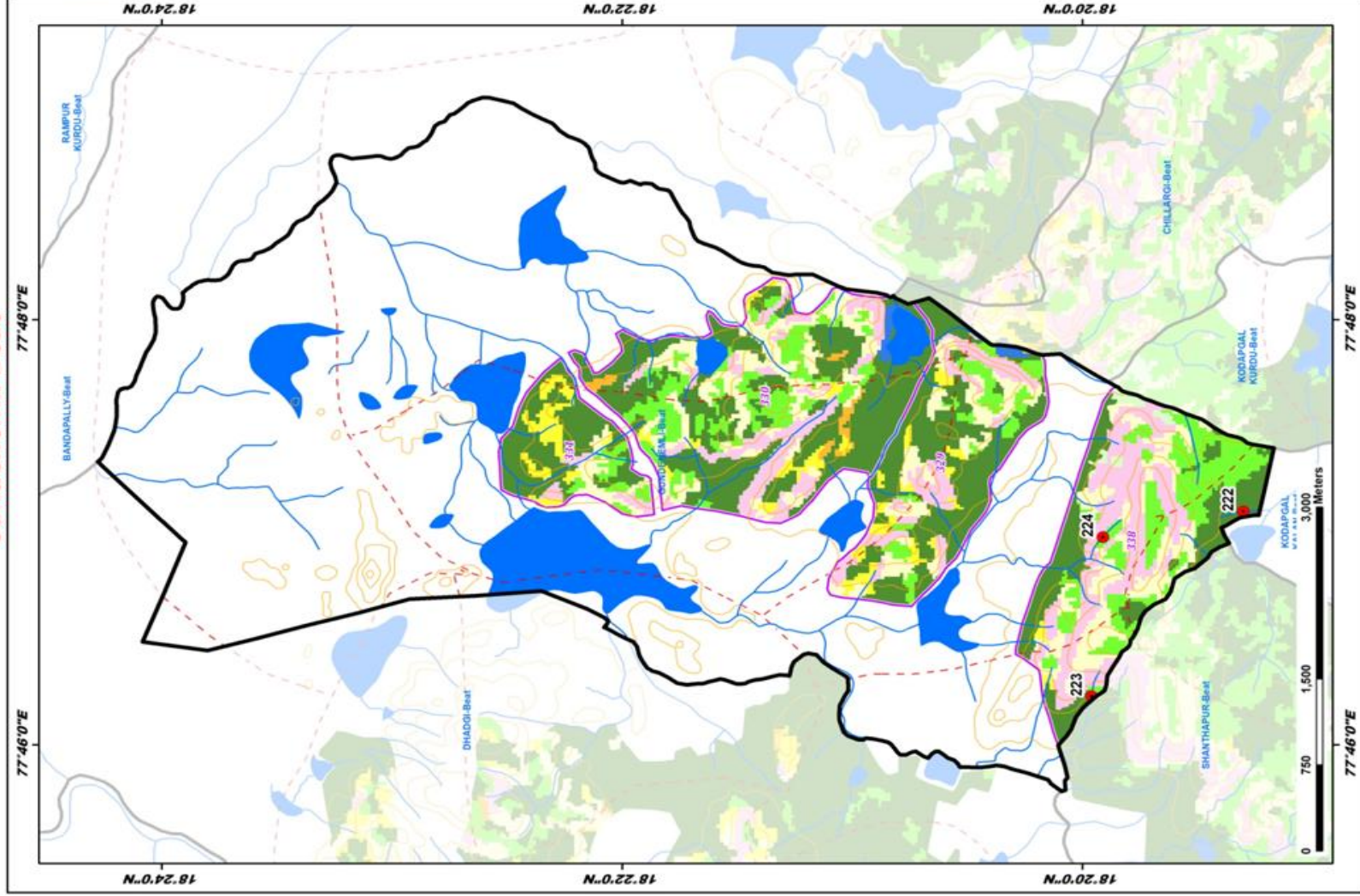
Suitability Index

- 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 Gundenemli Beat



Division : Banswada
Range : Pitliam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
222	18.321070	77.790987	9.00	I
223	18.320651	77.770469	8.76	I
224	18.331843	77.762960	10.66	II

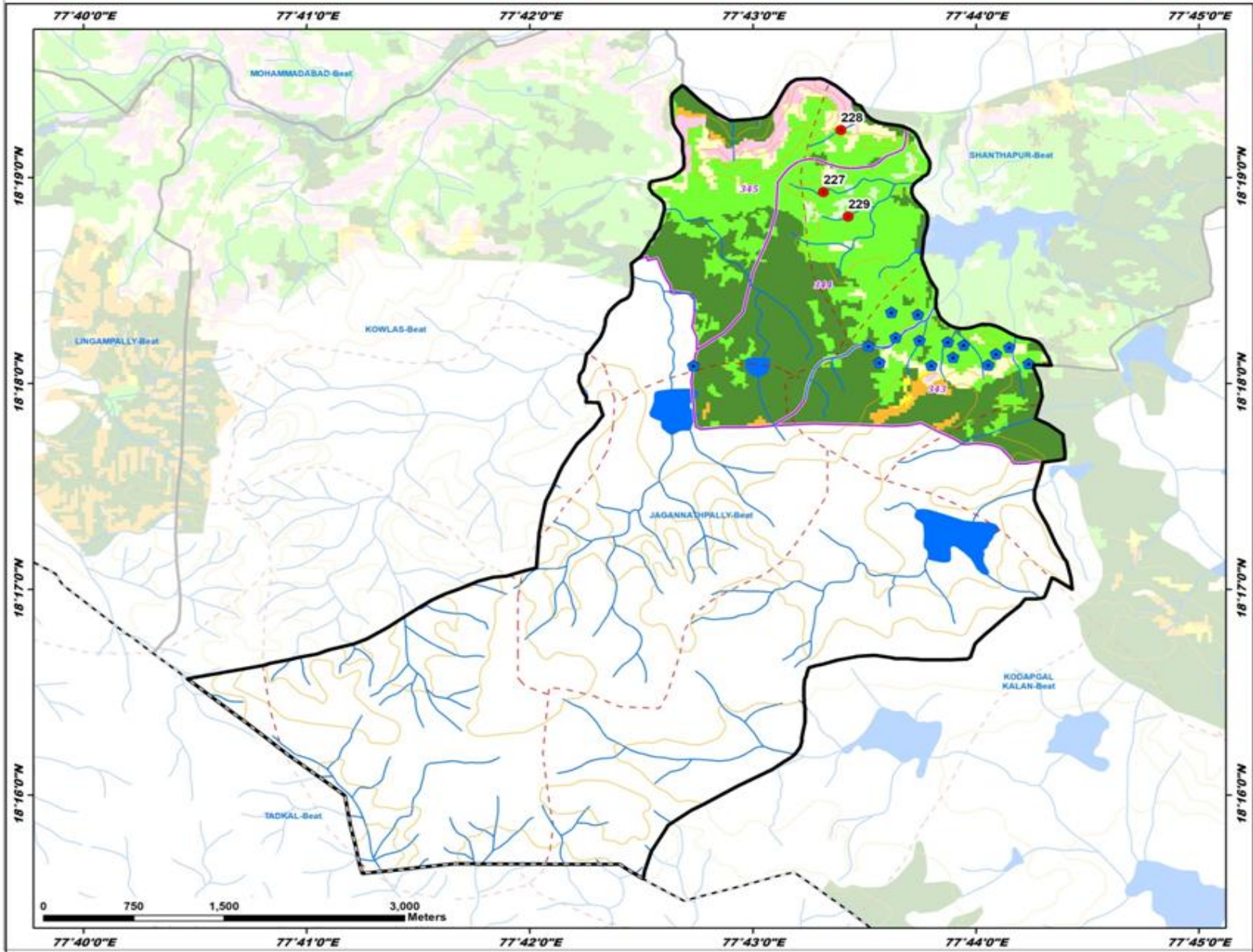
LEGEND

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

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



Division : Banswada
Range : Pitlam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
227	18.315503	77.721963	9.13	II
228	18.320516	77.723266	9.99	II
229	18.313513	77.723807	12.43	II

LEGEND

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

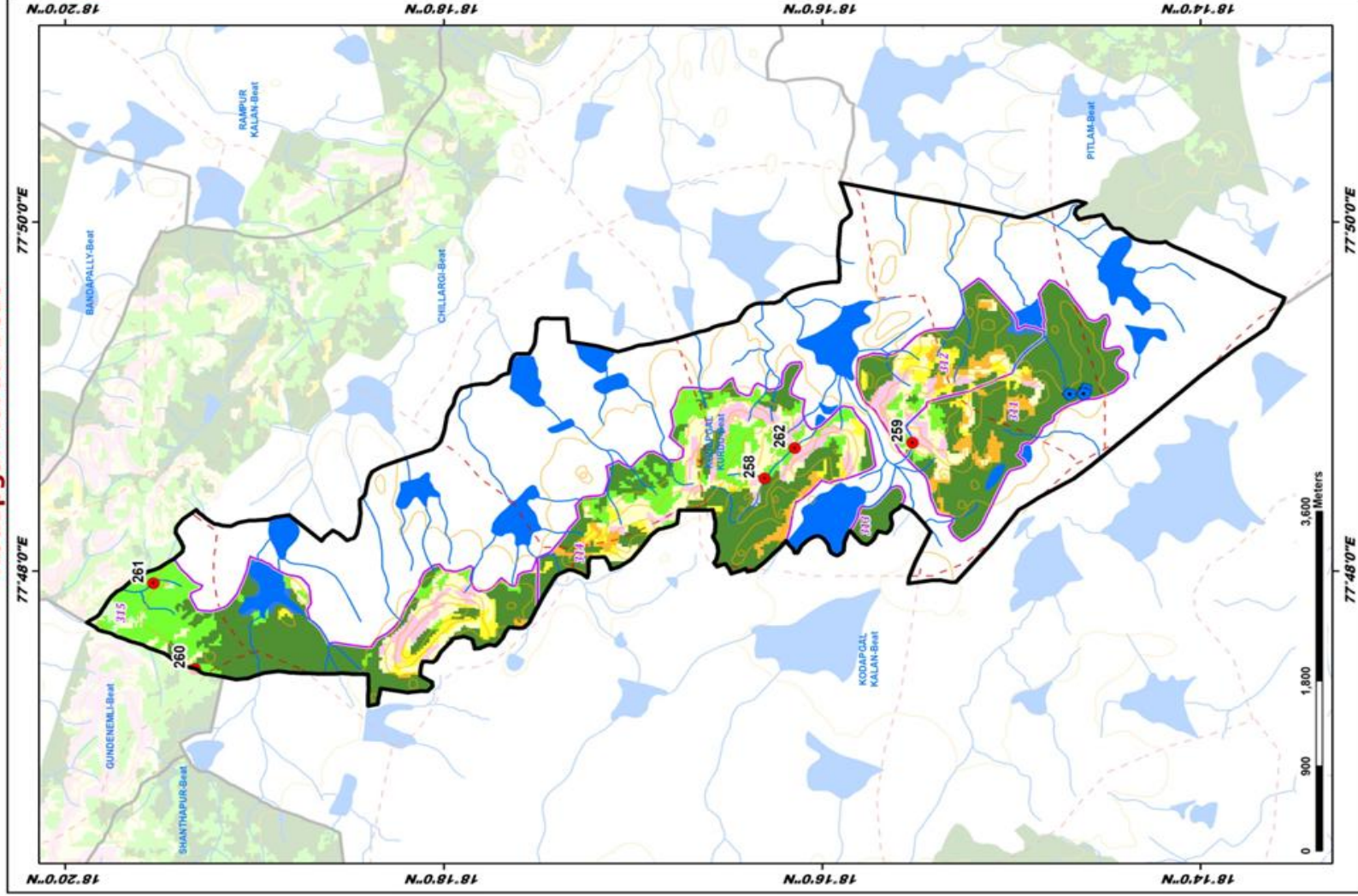
Suitability Index

- 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 Kodagal Kurdu Beat



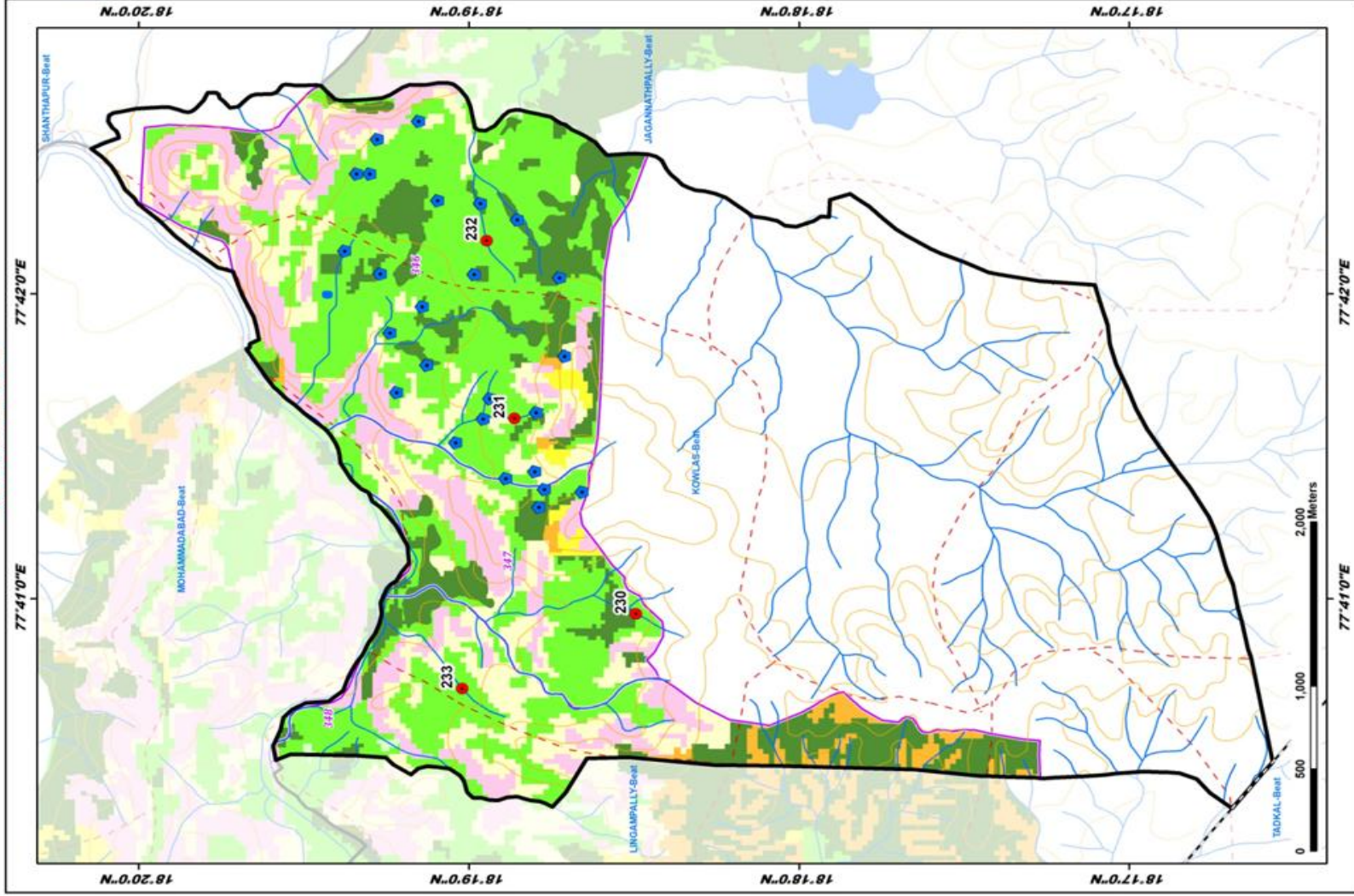
Division : Banswada
Range : Pitlam



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



Division : Banswada
Range : Pitliam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
230	18.308237	77.682514	14.09	I
231	18.314372	77.693204	17.00	II
232	18.315782	77.702933	9.55	II
233	18.313007	77.679466	14.79	II

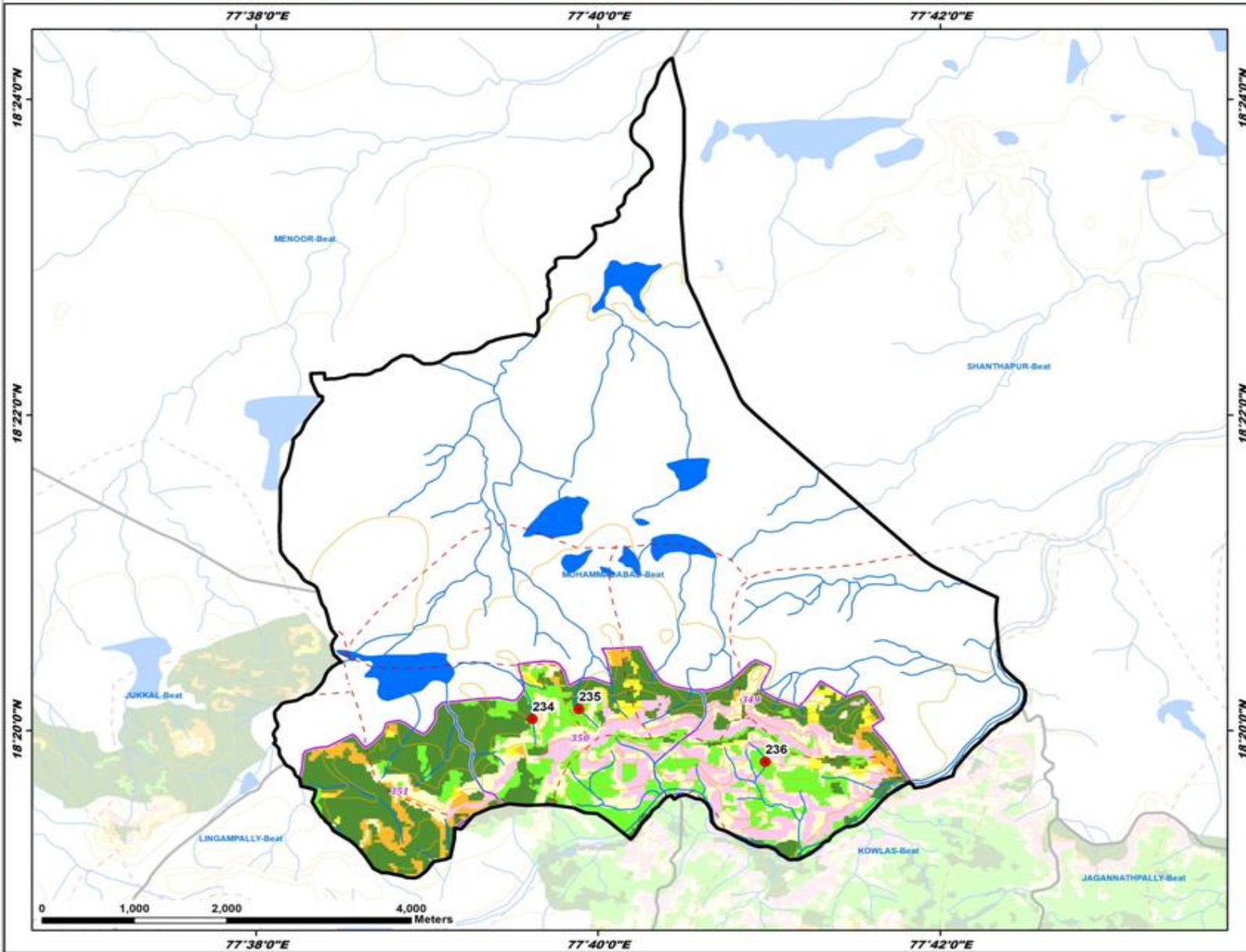
LEGEND

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

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



Division : Banswada
Range : Pitlam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
234	18.334558	77.660277	18.17	I
235	18.335621	77.664801	14.79	II
236	18.330067	77.682983	9.88	II

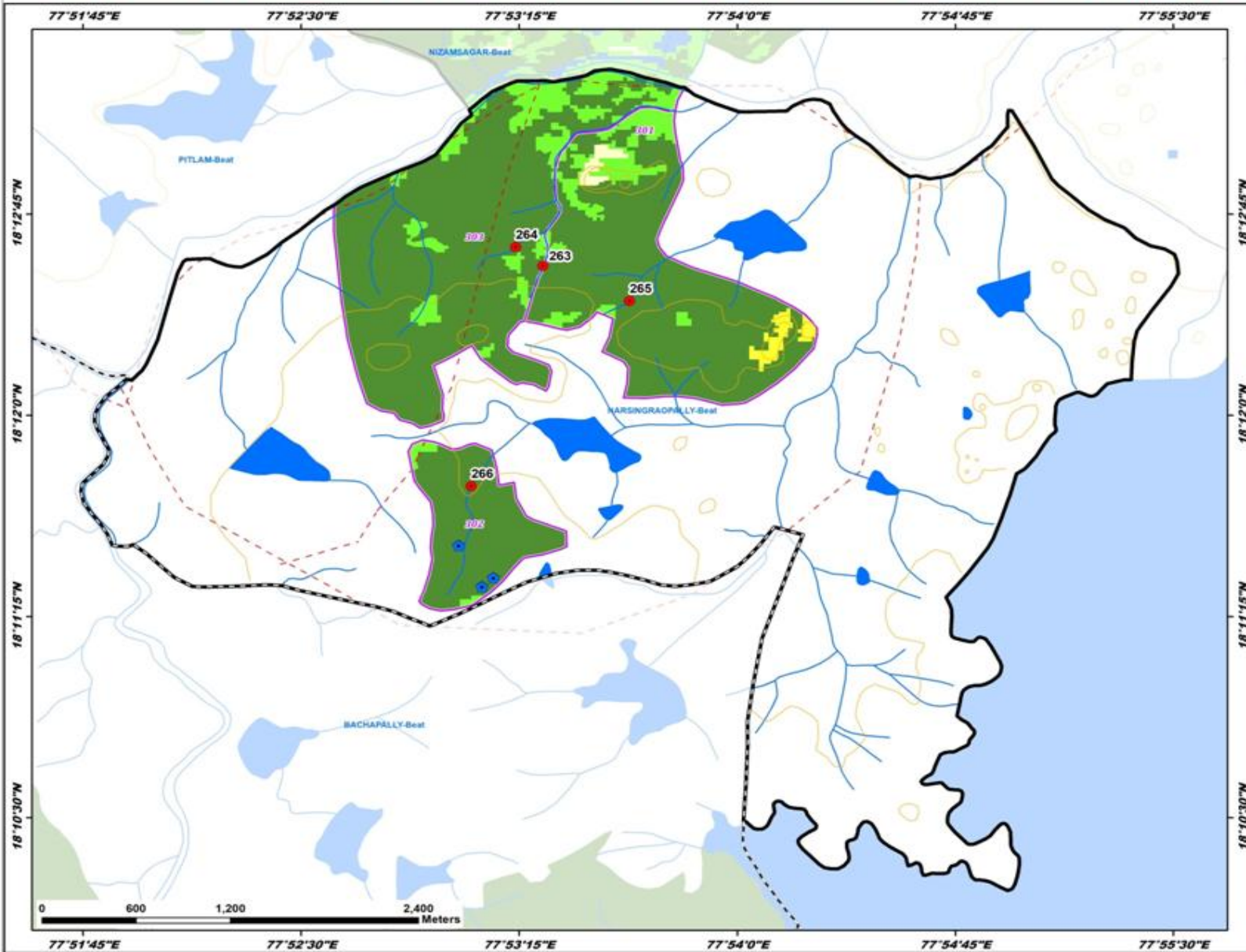
LEGEND

- 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 Narsingraopally Beat



Division : Banswada
Range : Pitlam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
263	18.209288	77.888869	11.68	I
264	18.210453	77.887299	10.08	I
265	18.207105	77.893843	11.13	I
266	18.195613	77.884764	34.30	II

LEGEND

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

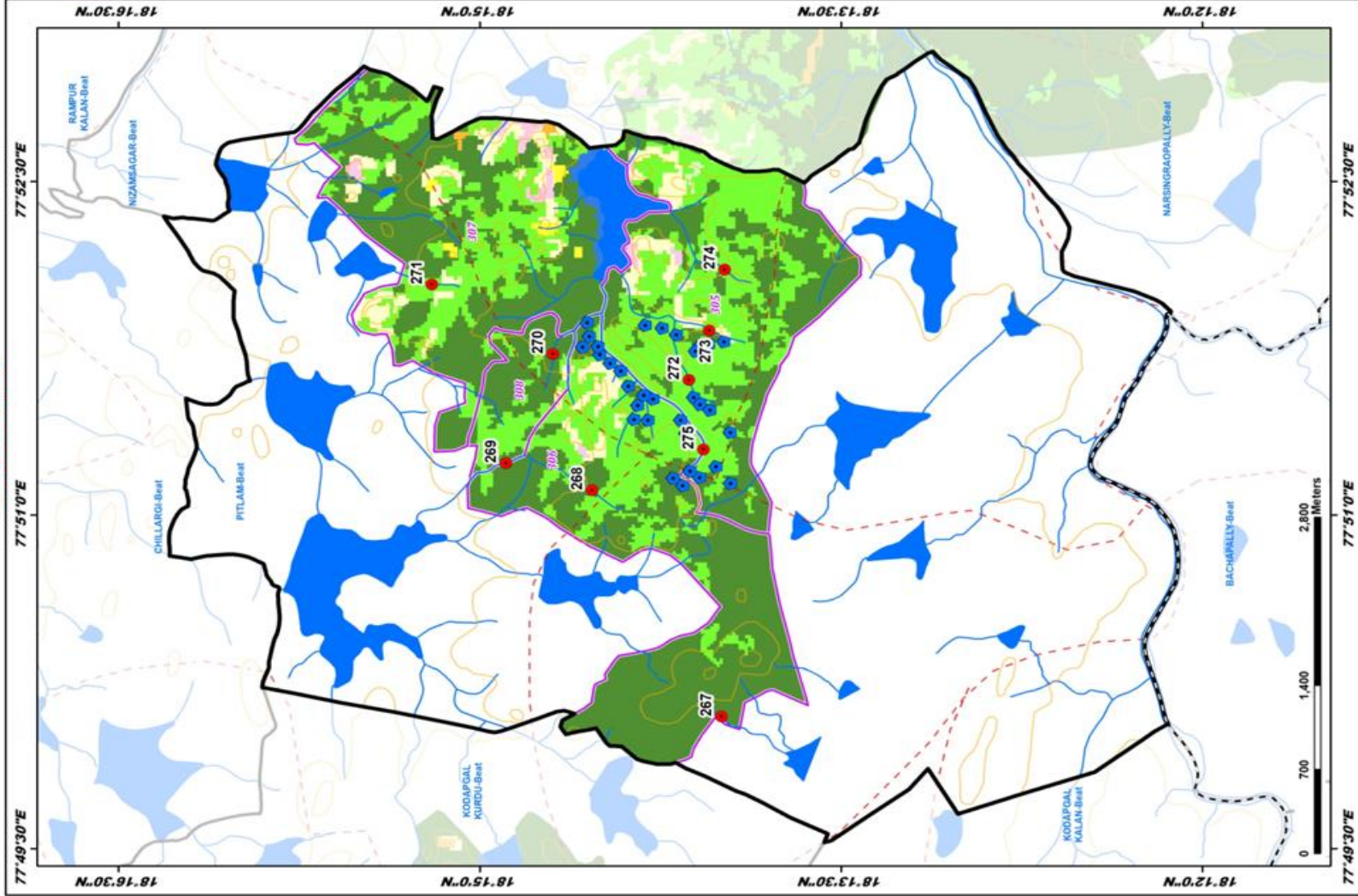
Suitability Index

- 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 Pitlam Beat



Division : Banswada
Range : Pitlam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
267	18.233305	77.834929	10.87	I
268	18.242244	77.851892	16.44	I
269	18.248209	77.83928	22.98	I
270	18.244955	77.862116	12.79	I
271	18.253345	77.867333	13.85	II
272	18.255534	77.860165	9.73	II
273	18.234144	77.863880	12.55	II
274	18.233069	77.868443	17.51	II
275	18.234542	77.854996	14.43	II

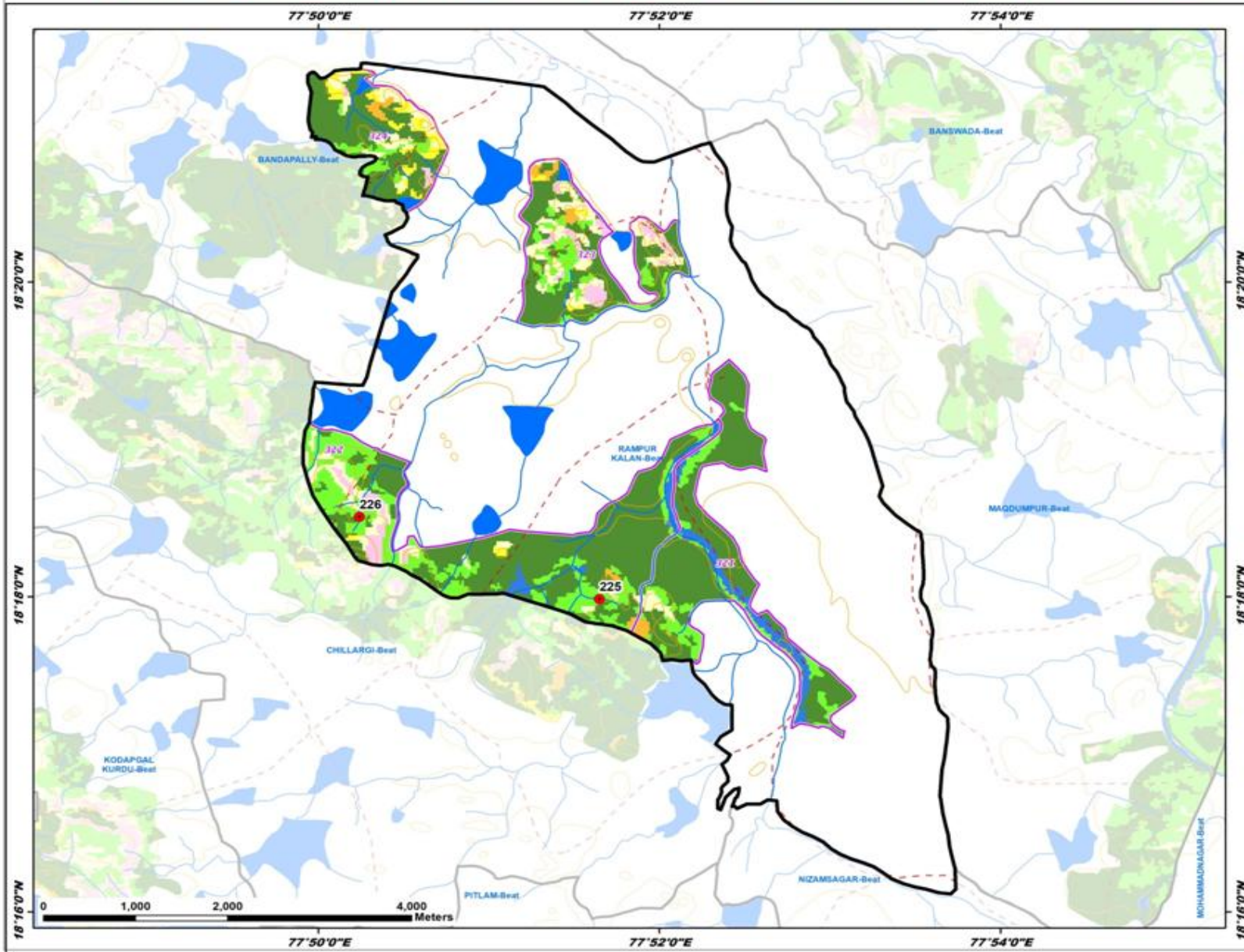
LEGEND

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

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



Division : Banswada
Range : Pitlam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
225	18.299790	77.860813	9.25	II
226	18.308471	77.837348	6.70	II

LEGEND

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

Suitability Index

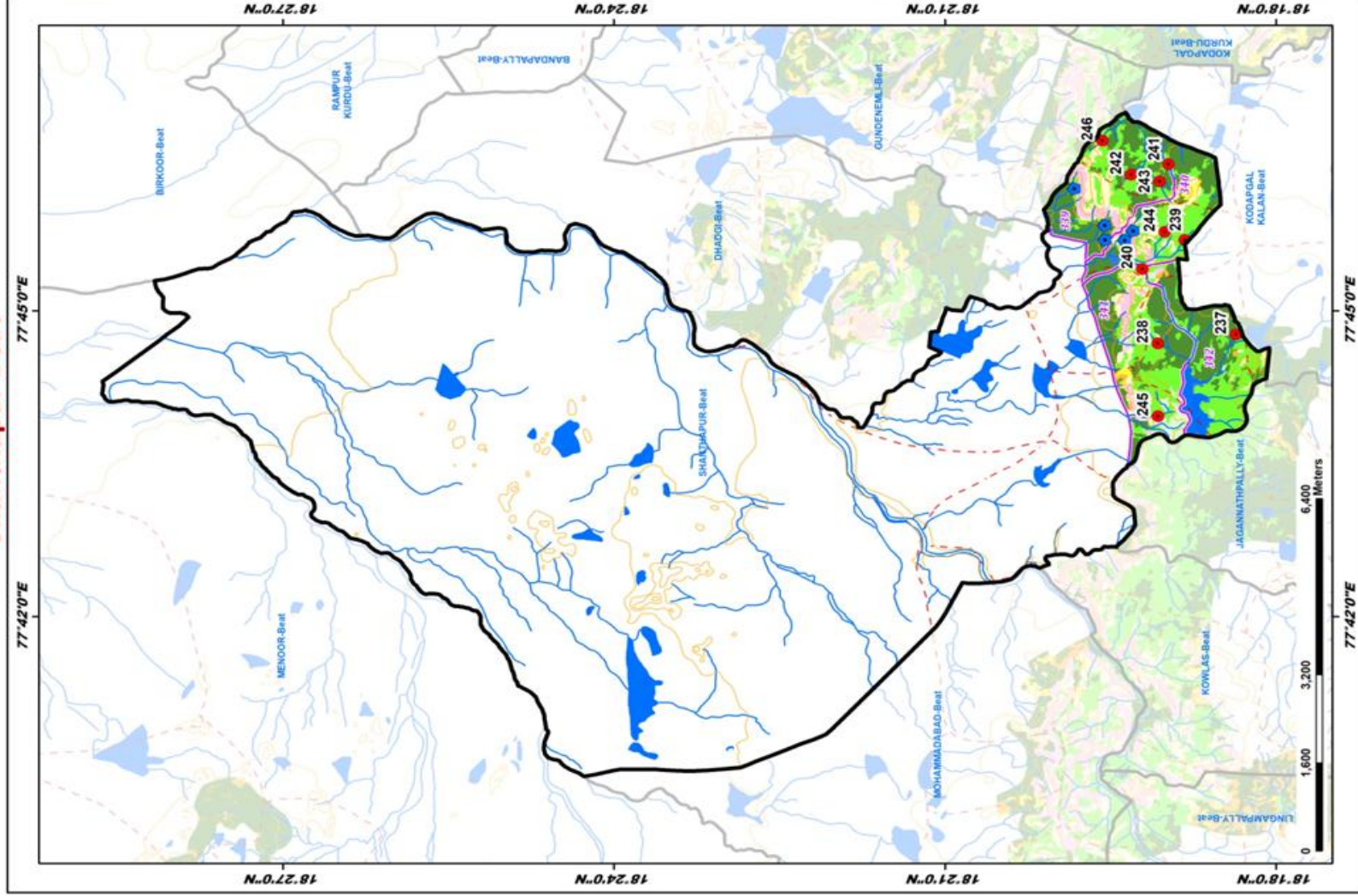
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Banswada
Range : Pitlam



ID	Latitude	Longitude	Catchment Area Ha	PRIORITY
237	18.306058	77.746218	8.09	I
238	18.317983	77.744779	10.18	I
239	18.318024	77.761076	9.44	II
240	18.320214	77.746921	21.41	II
241	18.316262	77.774062	10.76	II
242	18.321901	77.772375	30.38	II
243	18.327627	77.772160	17.25	II
244	18.316815	77.762995	25.16	III
245	18.317944	77.732836	36.72	III
246	18.326226	77.777938	27.77	III

LEGEND

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