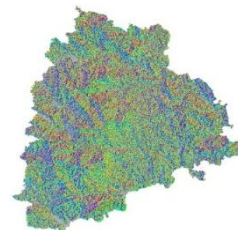
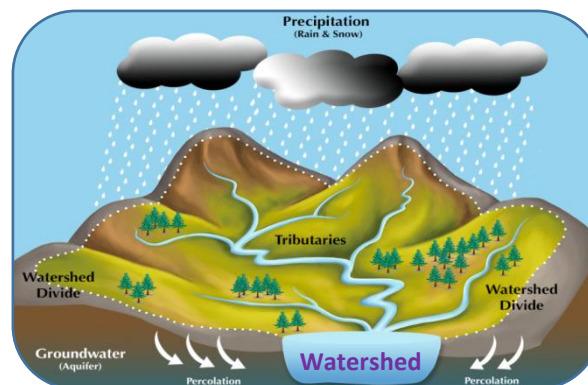


Government of Telangana – Forest Department



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



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

Circle: Kawal TR
District: Mancherial
Division: Jannaram

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

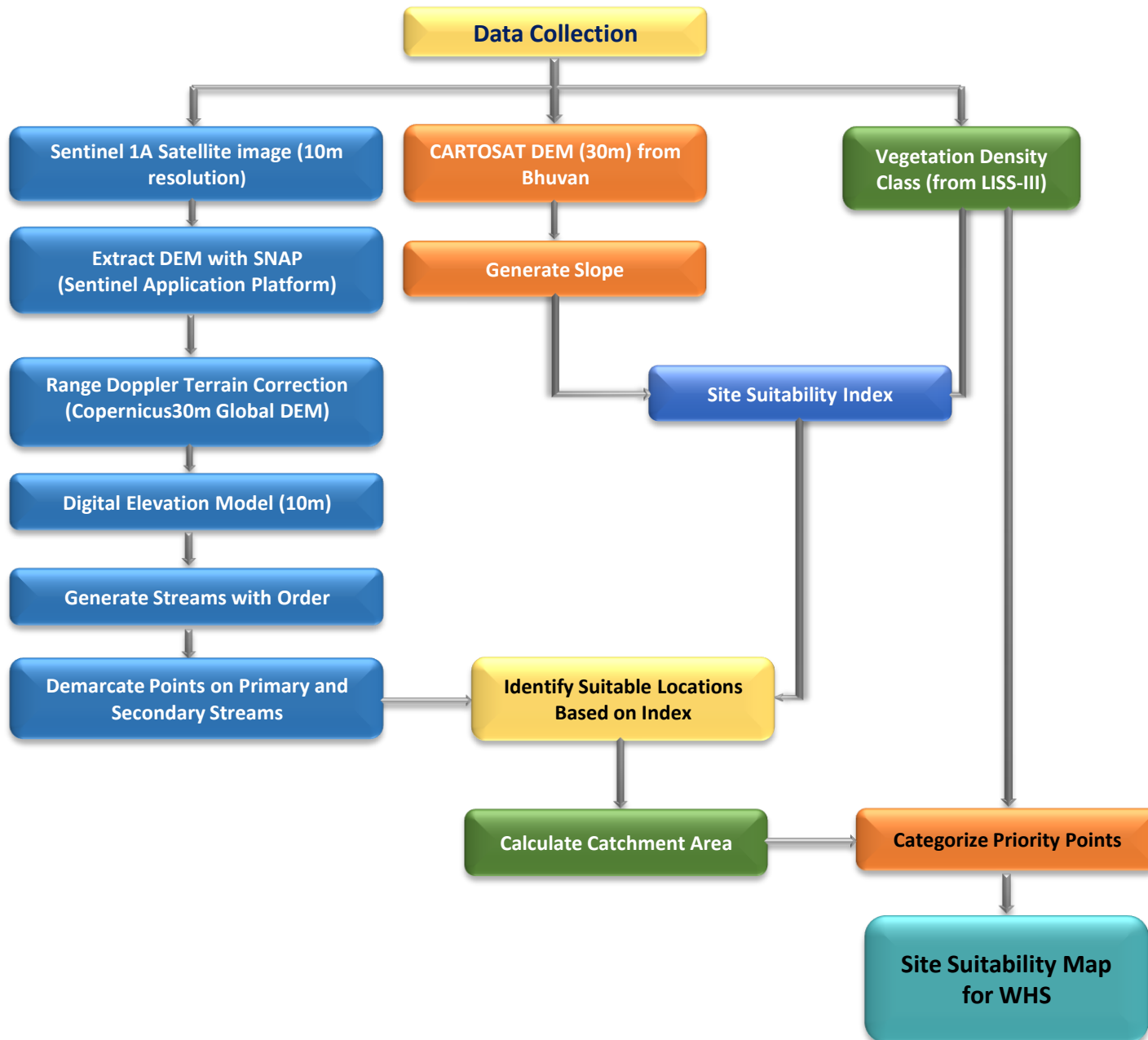
METHODOLOGY

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

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



FLOW CHART FOR METHODOLOGY



Guidelines for building Percolation Tanks:

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



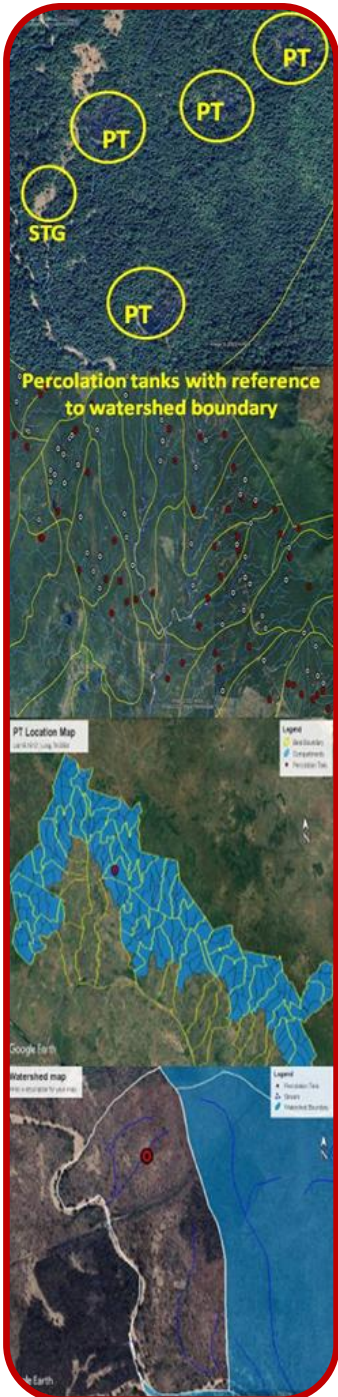
Suitability criteria for Check-Dams and Percolation Tanks (SITE SUITABILITY INDEX)

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

Suitability criteria for Continuous/Staggered contour trenches

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



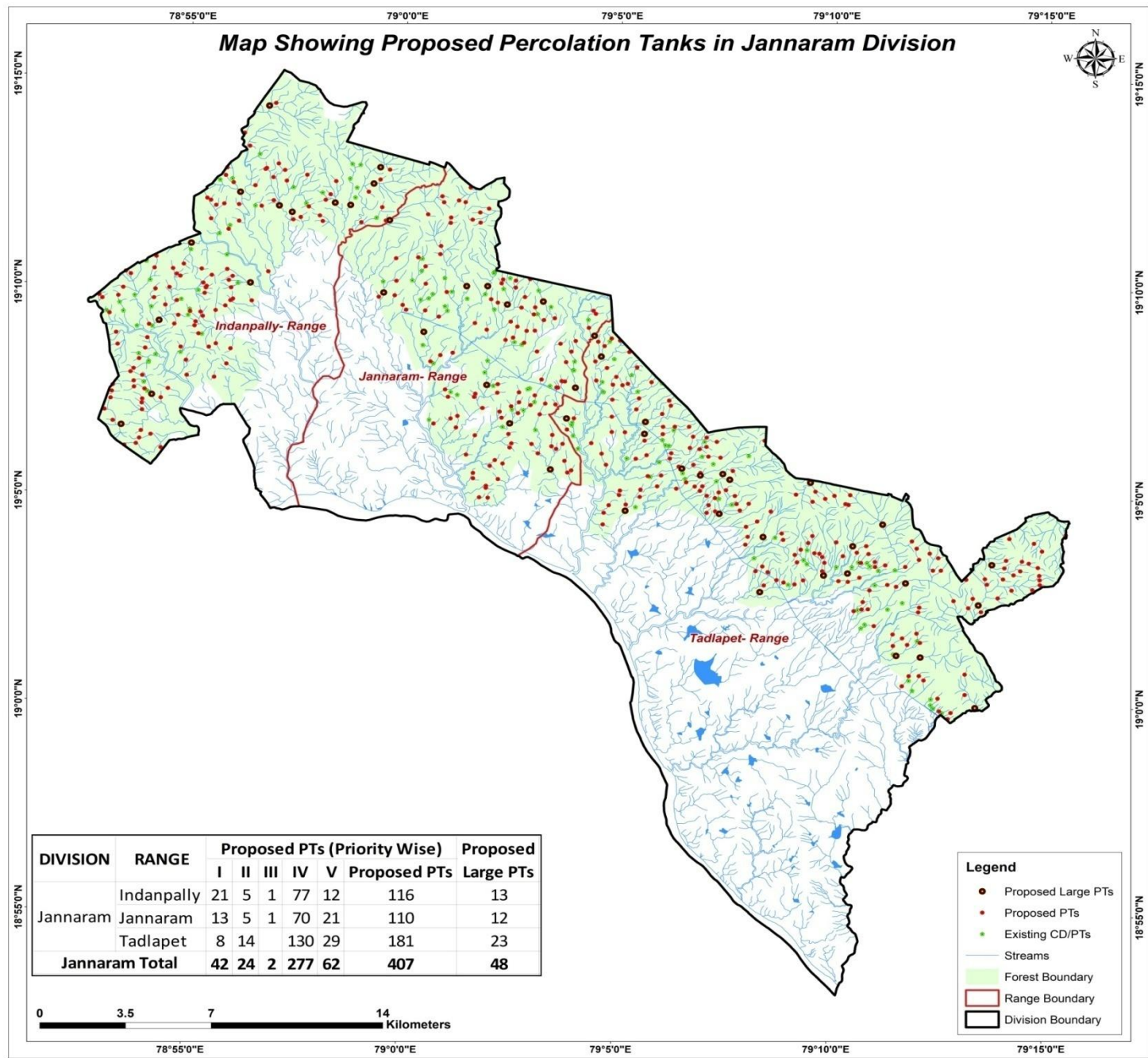


PRIORITY CLASSES FOR PERCOLATION TANK

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



Map Showing Proposed Percolation Tanks in Jannaram Division



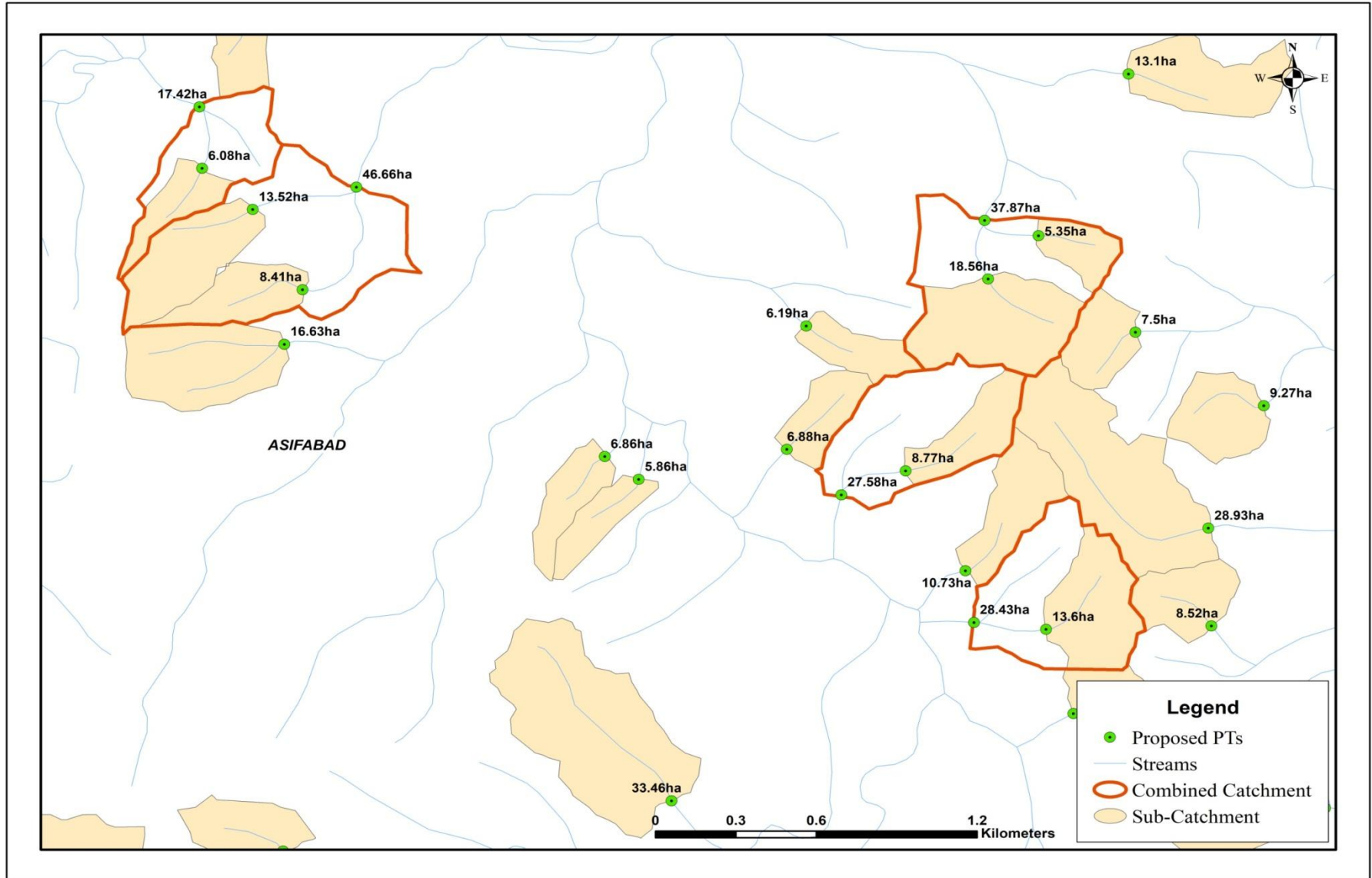
DIVISION	RANGE	Proposed PTs (Priority Wise)					Proposed PTs	Proposed Large PTs
		I	II	III	IV	V		
Jannaram	Indanpally	21	5	1	77	12	116	13
	Jannaram	13	5	1	70	21	110	12
	Tadlapet	8	14		130	29	181	23
Jannaram Total		42	24	2	277	62	407	48

Legend

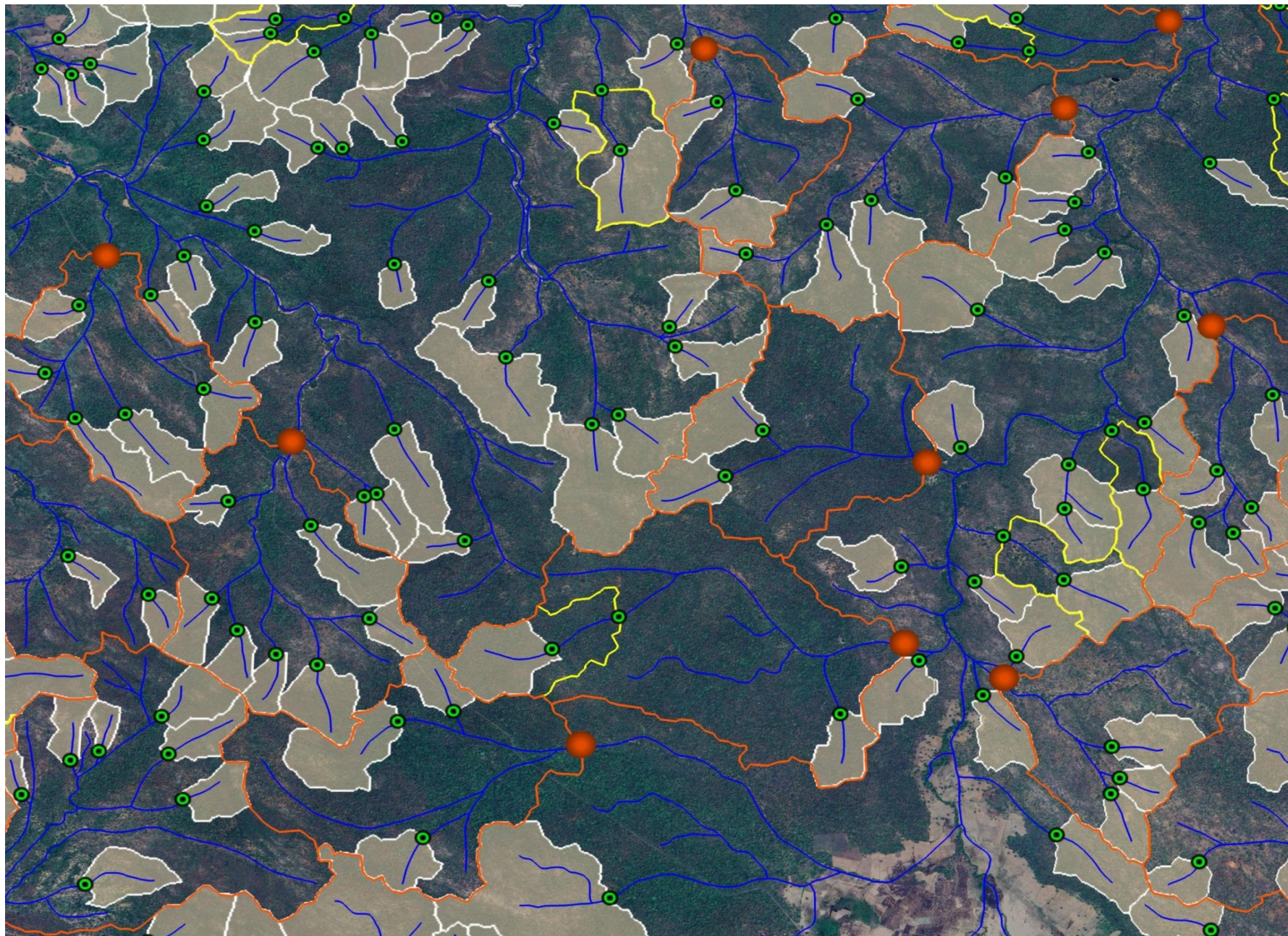
- Proposed Large PTs
- Proposed PTs
- Existing CD/PTs
- Streams
- Forest Boundary
- Range Boundary
- Division Boundary



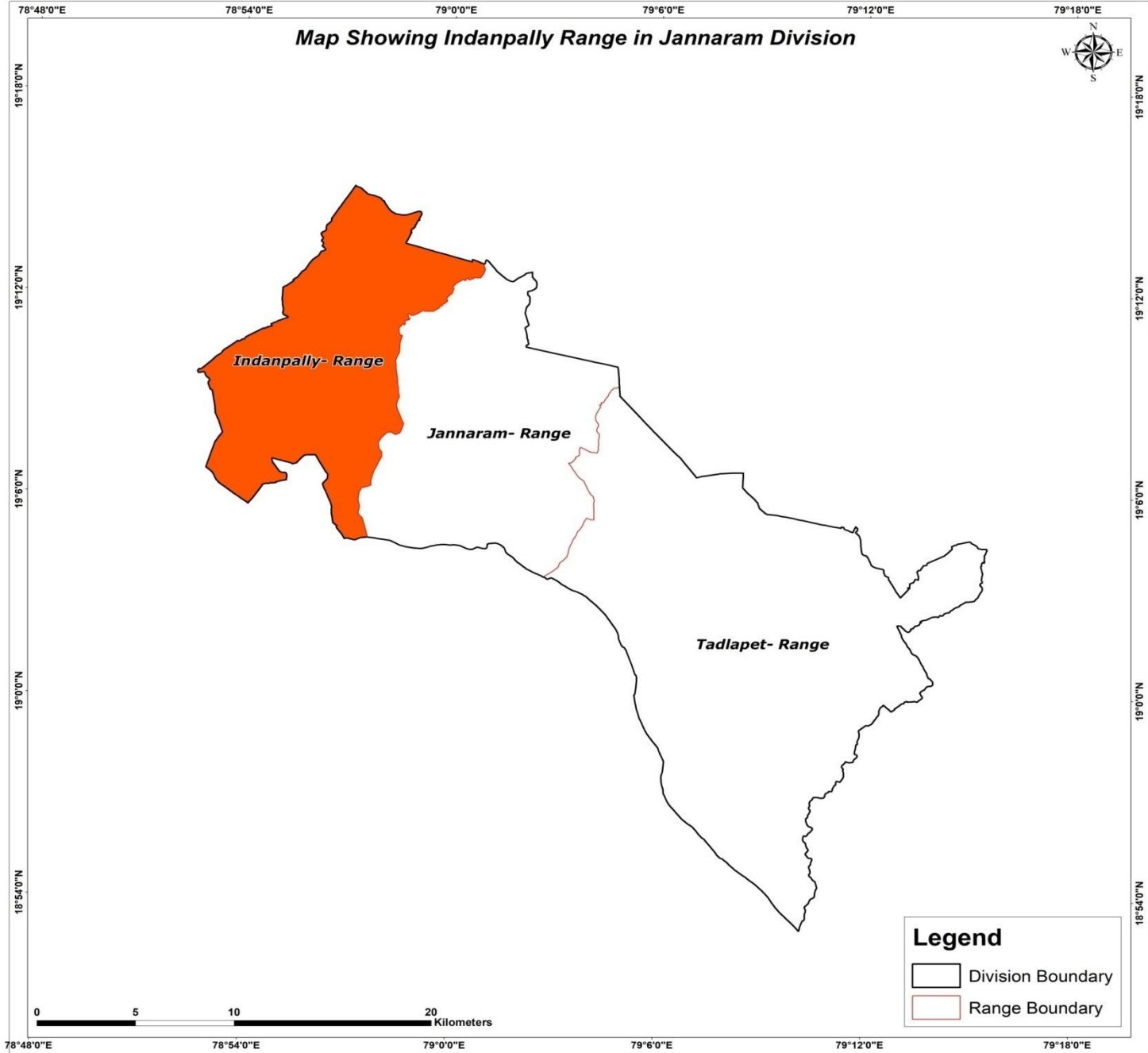
CATCHMENT AREA



Sample Catchment Map



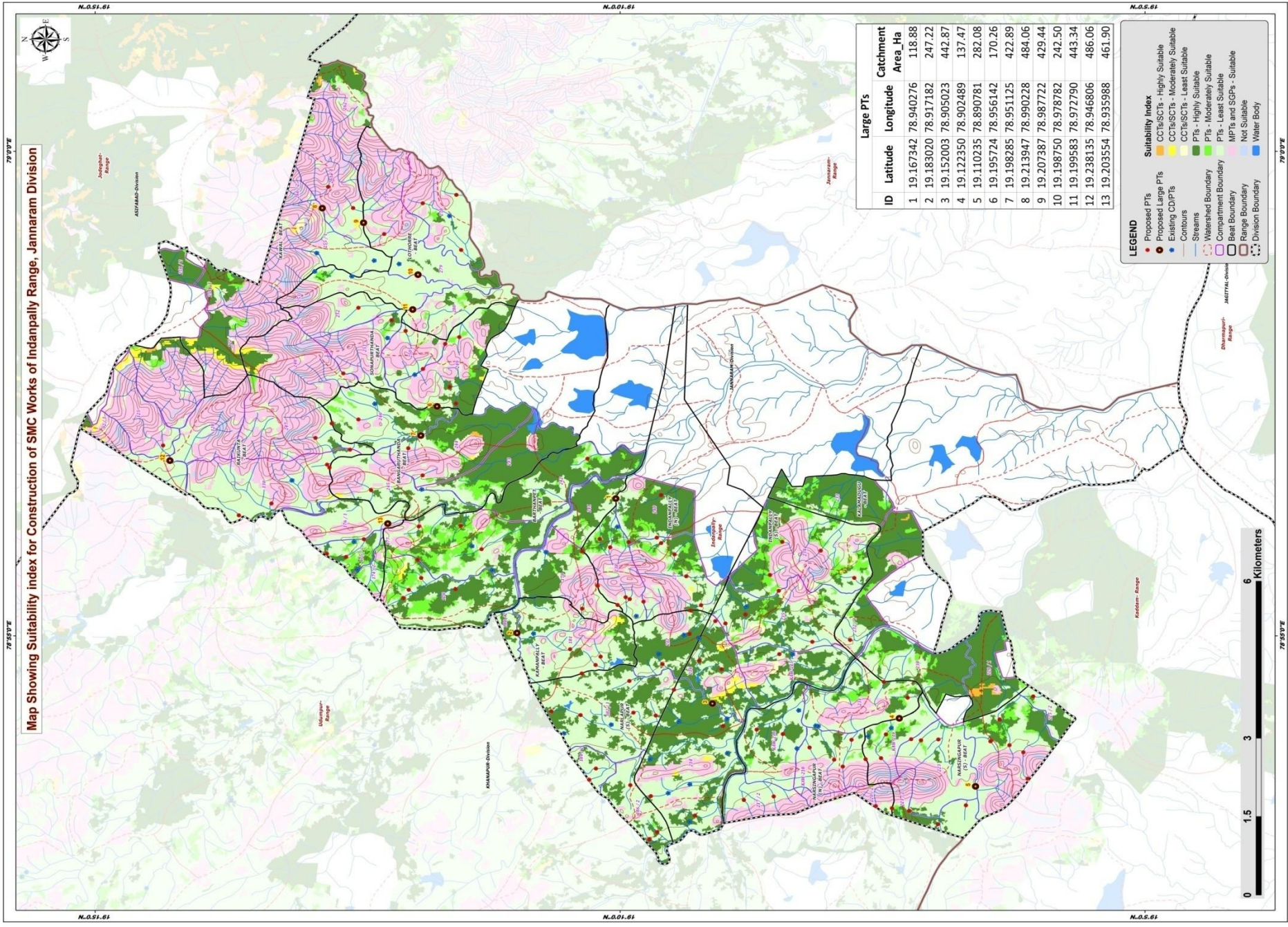
Map Showing Indanpally Range in Jannaram Division



Legend

- Division Boundary
- Range Boundary

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



Large Pts			
ID	Latitude	Longitude	Catchment Area_Ha
1	19.167342	78.940276	118.88
2	19.183020	78.917182	247.22
3	19.152003	78.905023	442.87
4	19.122350	78.902489	137.47
5	19.110235	78.890781	282.08
6	19.195724	78.956142	170.26
7	19.198285	78.951125	422.89
8	19.213947	78.990228	484.06
9	19.207387	78.987722	429.44
10	19.198750	78.978782	242.50
11	19.199583	78.972790	443.34
12	19.238135	78.946806	486.06
13	19.203554	78.935988	461.90

LEGEND

- Proposed Pts
- Existing CDPTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Range Boundary
- Division Boundary

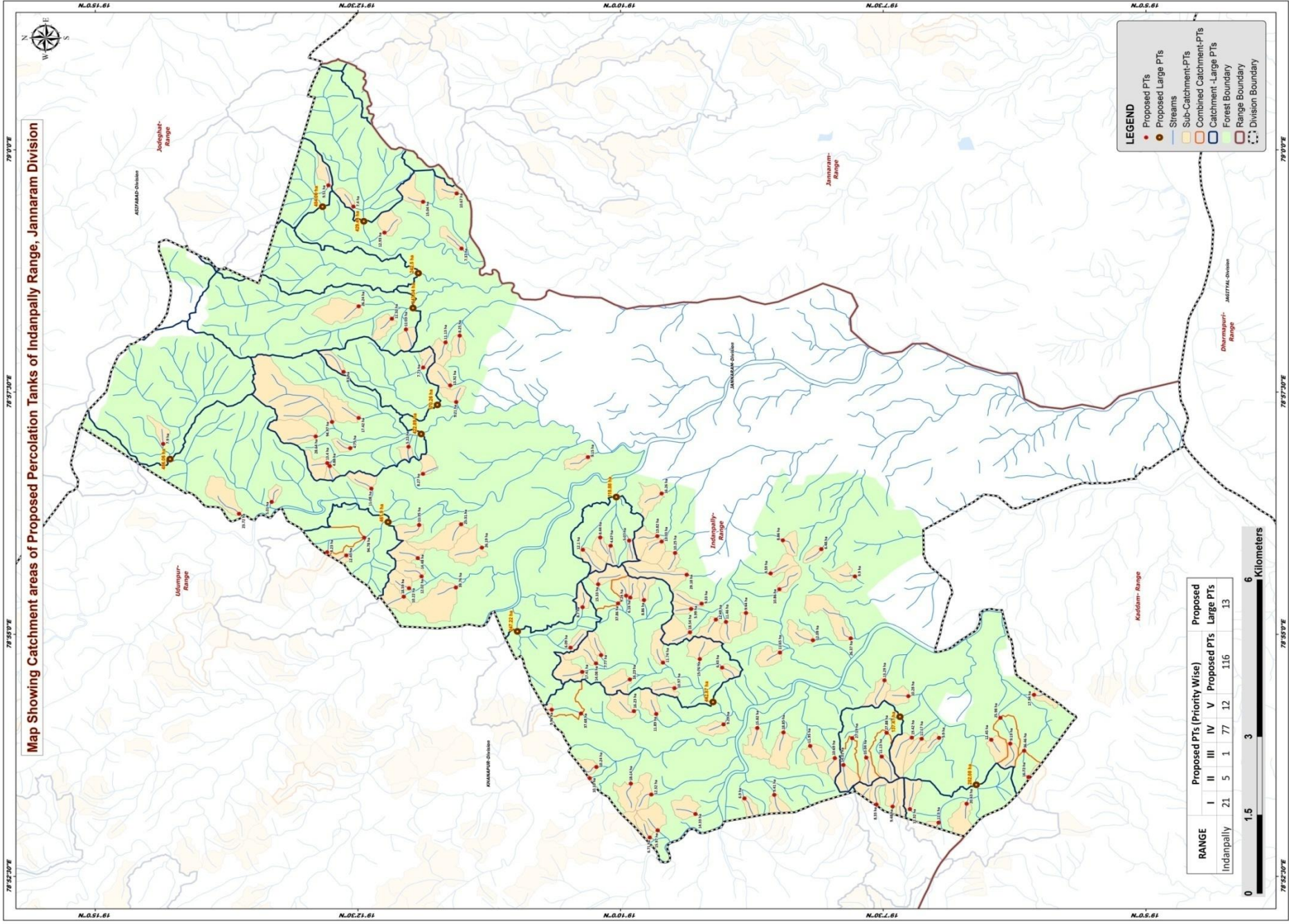
Suitability Index

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MP Ts and SCPs - Suitable
- Not Suitable
- Water Body



Map showing suitability index for construction of SMC Works of Indanpally Range, Jannaram Division. The map includes a north arrow, a scale bar (0 to 6 Kilometers), and a table of Large Pts. The map is overlaid with a grid showing coordinates: 79°50' E and 79°55' E longitude, and N.05.61 and N.01.61 latitude.

Map Showing Catchment areas of Proposed Percolation Tanks of Indanpally Range, Jannaram Division



Beat wise Abstract of Proposed PT's – Indanpally Range

S. No.	Beat	Proposed PT's
1	BANGARUTHANDA	4
2	BARTHANPET	12
3	INDANPALLY NORTH	13
4	INDANPALLY SOUTH	16
5	KALAMADUGU	1
6	KAMANPALLY	4
7	KAWAL	2
8	LOTHORRE	4
9	NARLAPUR SOUTH	13
10	NARSINGAPUR	27
11	RAIKUNTA	11
12	SONAPURTHANDA	9
	Total	116

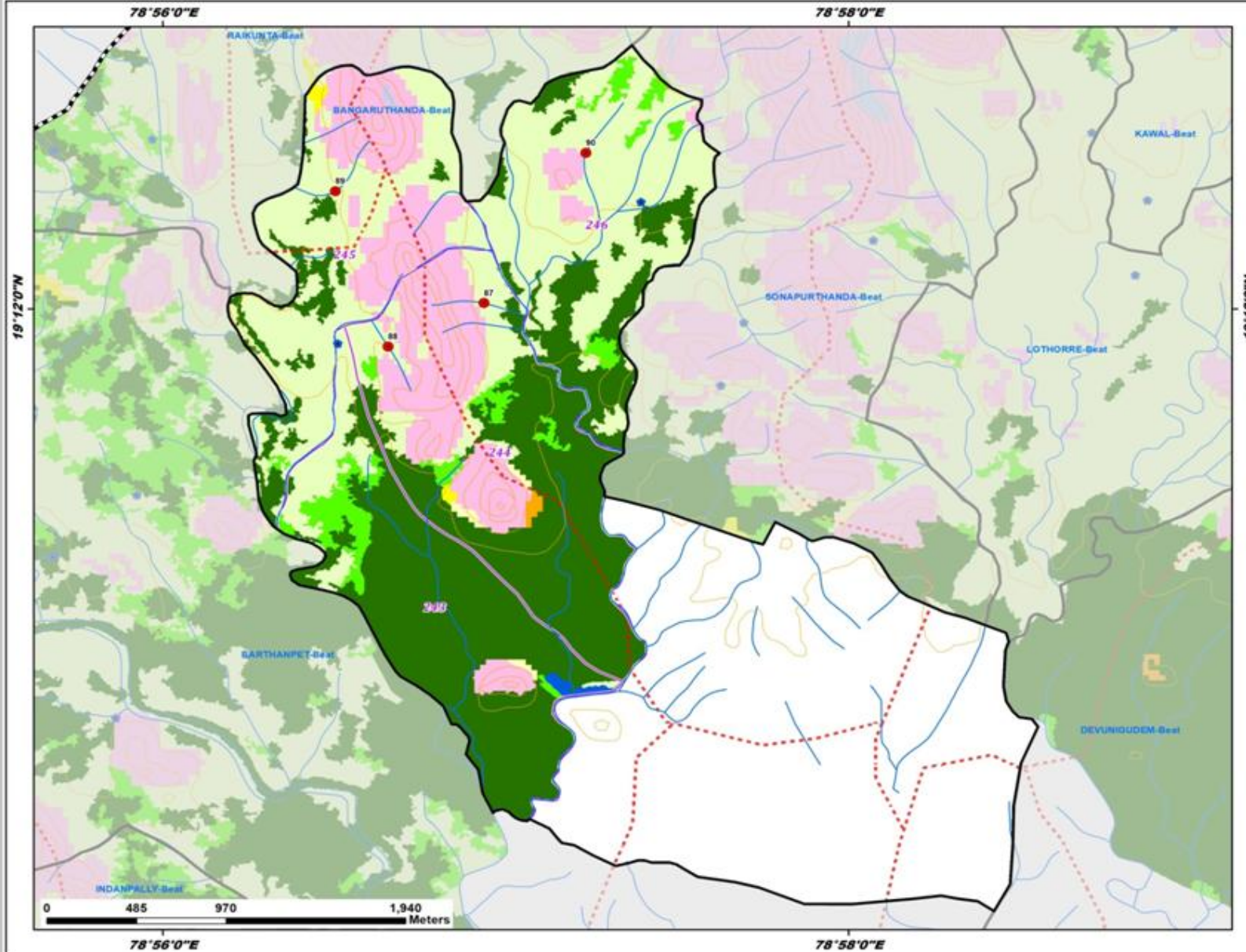
List of Proposed PTs – Indanpally Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
1	19.201050	78.923142	18.59	I	BARTHANPET	41	19.156173	78.926923	29.18	V	INDANPALLY NORTH	81	19.127684	78.895473	10.04	IV	NARSINGAPUR
2	19.172644	78.931231	12.10	I	BARTHANPET	42	19.167065	78.921987	37.86	V	INDANPALLY NORTH	82	19.116144	78.898861	5.90	IV	NARSINGAPUR
3	19.192794	78.924725	39.76	II	BARTHANPET	43	19.154084	78.912423	15.76	I	INDANPALLY SOUTH	83	19.129920	78.898797	27.19	V	NARSINGAPUR
4	19.191949	78.935602	25.31	II	BARTHANPET	44	19.150554	78.910944	6.43	I	INDANPALLY SOUTH	84	19.102644	78.896643	36.46	V	NARSINGAPUR
5	19.198822	78.929776	14.48	II	BARTHANPET	45	19.150325	78.901185	9.29	I	INDANPALLY SOUTH	85	19.124461	78.899727	27.88	V	NARSINGAPUR
6	19.171838	78.947148	9.15	IV	BARTHANPET	46	19.154775	78.885760	14.33	I	INDANPALLY SOUTH	86	19.106402	78.902298	25.98	V	NARSINGAPUR
7	19.198614	78.935493	11.35	IV	BARTHANPET	47	19.146771	78.920361	9.44	I	INDANPALLY SOUTH	87	19.200301	78.948935	5.22	IV	BANGARUTHANDA
8	19.200224	78.924598	10.22	IV	BARTHANPET	48	19.142856	78.927143	9.59	II	INDANPALLY SOUTH	88	19.198015	78.944276	8.27	IV	BANGARUTHANDA
9	19.172698	78.921335	8.70	IV	BARTHANPET	49	19.140922	78.932839	8.86	IV	INDANPALLY SOUTH	89	19.206198	78.941722	11.08	IV	BANGARUTHANDA
10	19.198228	78.926643	12.02	IV	BARTHANPET	50	19.151544	78.919205	12.49	IV	INDANPALLY SOUTH	90	19.208219	78.953902	17.42	IV	BANGARUTHANDA
11	19.170210	78.925279	15.33	IV	BARTHANPET	51	19.129478	78.926631	9.90	IV	INDANPALLY SOUTH	91	19.213007	78.993908	9.51	IV	KAWAL
12	19.188659	78.931574	26.19	V	BARTHANPET	52	19.149934	78.918803	11.46	IV	INDANPALLY SOUTH	92	19.209051	78.990251	7.40	IV	KAWAL
13	19.172750	78.910201	17.41	IV	KAMANPALLY	53	19.141371	78.913533	11.65	IV	INDANPALLY SOUTH	93	19.191904	78.983041	7.37	IV	LOTHORRE
14	19.174600	78.914366	6.09	IV	KAMANPALLY	54	19.134814	78.931341	6.48	IV	INDANPALLY SOUTH	94	19.192650	78.992515	10.67	IV	LOTHORRE
15	19.170560	78.911670	14.08	IV	KAMANPALLY	55	19.141468	78.924419	10.86	IV	INDANPALLY SOUTH	95	19.204109	78.985776	12.93	IV	LOTHORRE
16	19.169756	78.913092	7.77	IV	KAMANPALLY	56	19.136150	78.915655	12.09	IV	INDANPALLY SOUTH	96	19.197988	78.991073	15.04	IV	LOTHORRE
17	19.160778	78.882945	15.97	I	NARLAPUR SOUTH	57	19.158106	78.907403	10.97	IV	INDANPALLY SOUTH	97	19.213217	78.930793	8.23	I	RAIKUNTA
18	19.162021	78.881721	6.71	I	NARLAPUR SOUTH	58	19.161788	78.889114	12.32	IV	INDANPALLY SOUTH	98	19.212436	78.953207	94.97	III	RAIKUNTA
19	19.155653	78.917012	18.54	I	NARLAPUR SOUTH	59	19.130154	78.915982	26.37	V	KALAMADUGU	99	19.210171	78.930251	12.45	IV	RAIKUNTA
20	19.155462	78.921042	5.99	I	NARLAPUR SOUTH	60	19.107855	78.898531	12.45	I	NARSINGAPUR	100	19.222003	78.939452	5.01	IV	RAIKUNTA
21	19.171560	78.891925	10.13	IV	NARLAPUR SOUTH	61	19.120757	78.886608	12.32	I	NARSINGAPUR	101	19.239222	78.949417	7.90	IV	RAIKUNTA
22	19.164541	78.903469	16.23	IV	NARLAPUR SOUTH	62	19.121010	78.906043	10.28	I	NARSINGAPUR	102	19.227185	78.937415	23.72	IV	RAIKUNTA
23	19.170495	78.893845	10.24	IV	NARLAPUR SOUTH	63	19.147009	78.888454	6.90	IV	NARSINGAPUR	103	19.212790	78.945618	4.88	IV	RAIKUNTA
24	19.165030	78.890994	18.14	IV	NARLAPUR SOUTH	64	19.124787	78.908766	13.29	IV	NARSINGAPUR	104	19.209546	78.948697	4.75	IV	RAIKUNTA
25	19.161004	78.902967	11.89	IV	NARLAPUR SOUTH	65	19.120457	78.898892	19.42	IV	NARSINGAPUR	105	19.213172	78.946130	13.40	IV	RAIKUNTA
26	19.177585	78.903703	9.96	IV	NARLAPUR SOUTH	66	19.125225	78.895642	11.13	IV	NARSINGAPUR	106	19.215032	78.950711	28.64	V	RAIKUNTA
27	19.165185	78.908914	16.23	IV	NARLAPUR SOUTH	67	19.118900	78.898700	11.17	IV	NARSINGAPUR	107	19.207343	78.933300	94.78	V	RAIKUNTA
28	19.159942	78.911806	11.74	IV	NARLAPUR SOUTH	68	19.111758	78.887528	20.63	IV	NARSINGAPUR	108	19.193690	78.959483	13.92	I	SONAPURTHANDA
29	19.172940	78.903042	37.68	V	NARLAPUR SOUTH	69	19.116213	78.884274	11.30	IV	NARSINGAPUR	109	19.202938	78.970972	11.32	I	SONAPURTHANDA
30	19.158012	78.930660	10.25	I	INDANPALLY (N)	70	19.140833	78.899796	18.85	IV	NARSINGAPUR	110	19.192726	78.956640	9.21	I	SONAPURTHANDA
31	19.165307	78.932803	5.07	I	INDANPALLY (N)	71	19.136584	78.897470	11.95	IV	NARSINGAPUR	111	19.210607	78.961820	9.60	IV	SONAPURTHANDA
32	19.160150	78.940885	16.26	I	INDANPALLY (N)	72	19.126070	78.887408	8.33	IV	NARSINGAPUR	112	19.200711	78.969128	11.03	IV	SONAPURTHANDA
33	19.169891	78.933332	8.44	II	INDANPALLY (N)	73	19.101077	78.906261	17.94	IV	NARSINGAPUR	113	19.197962	78.962565	7.71	IV	SONAPURTHANDA
34	19.168238	78.931909	4.67	IV	INDANPALLY (N)	74	19.132672	78.895383	10.69	IV	NARSINGAPUR	114	19.194430	78.966895	11.13	IV	SONAPURTHANDA
35	19.153798	78.921946	9.33	IV	INDANPALLY (N)	75	19.144973	78.900546	15.82	IV	NARSINGAPUR	115	19.192174	78.968064	8.25	IV	SONAPURTHANDA
36	19.162953	78.922568	8.86	IV	INDANPALLY (N)	76	19.131303	78.894189	14.01	IV	NARSINGAPUR	116	19.208218	78.973105	26.24	V	SONAPURTHANDA
37	19.165135	78.922990	6.16	IV	INDANPALLY (N)	77	19.101953	78.892120	16.72	IV	NARSINGAPUR						
38	19.160151	78.932624	13.33	IV	INDANPALLY (N)	78	19.104842	78.897866	9.19	IV	NARSINGAPUR						
39	19.160822	78.933561	13.82	IV	INDANPALLY (N)	79	19.142270	78.889054	9.41	IV	NARSINGAPUR						
40	19.165774	78.923323	9.26	IV	INDANPALLY (N)	80	19.123502	78.887038	9.48	IV	NARSINGAPUR						

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



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ha	Priority
87	19.200301	78.948995	5.22	IV
88	19.198015	78.944276	8.27	IV
89	19.206198	78.941722	11.08	IV
90	19.208219	78.953902	17.42	IV

Legend

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

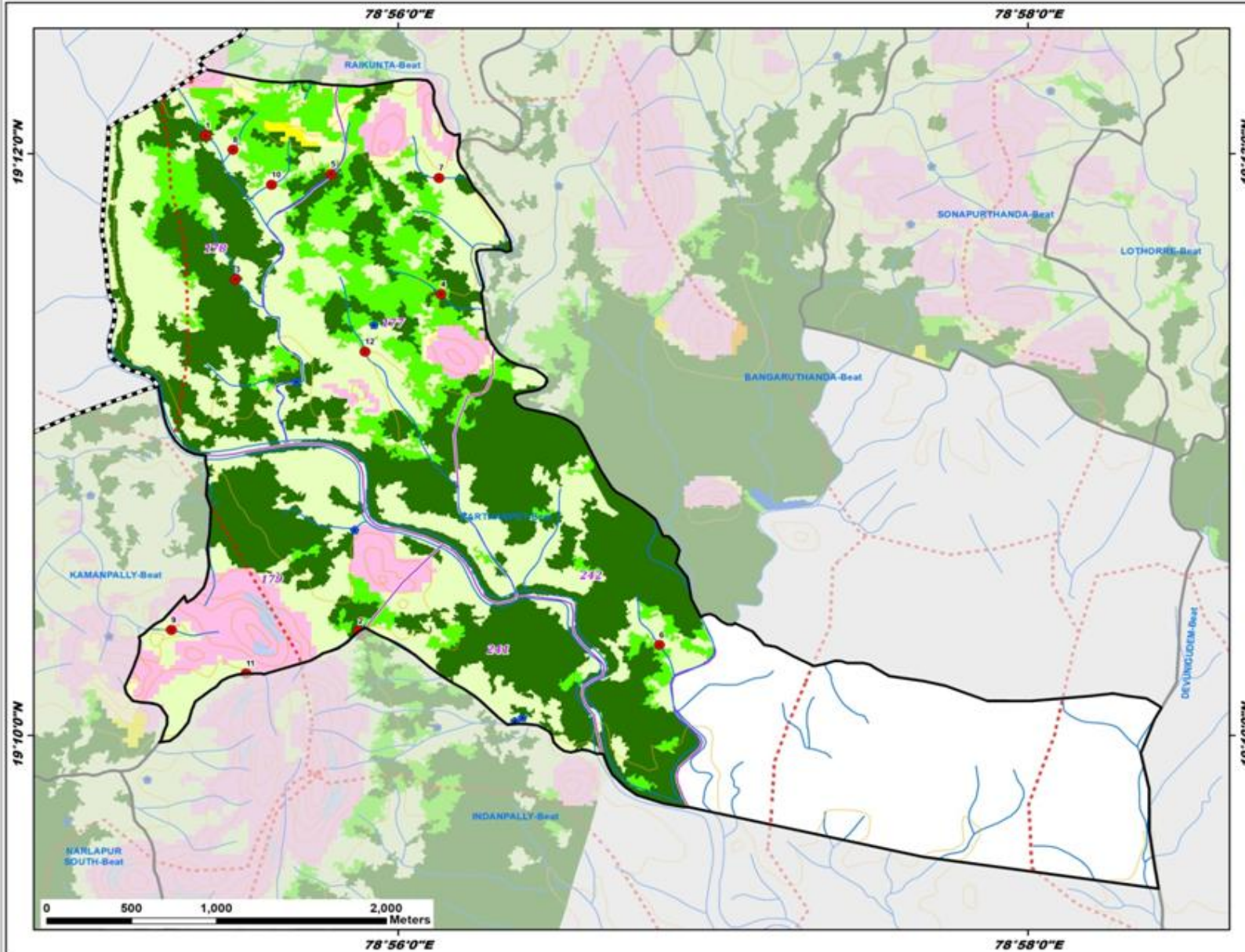
Suitability Index

- 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 Barthanpet Beat



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ha	Priority
1	19.201050	78.923142	18.59	I
2	19.172644	78.931231	12.10	I
3	19.192794	78.924725	39.76	II
4	19.191949	78.935602	25.31	II
5	19.198822	78.929776	14.48	II
6	19.171838	78.947148	9.15	IV
7	19.198614	78.935493	11.35	IV
8	19.200224	78.924598	10.22	IV
9	19.172698	78.921335	8.70	IV
10	19.198228	78.926643	12.02	IV
11	19.170210	78.925279	15.33	IV
12	19.188659	78.931574	26.19	V

Legend

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

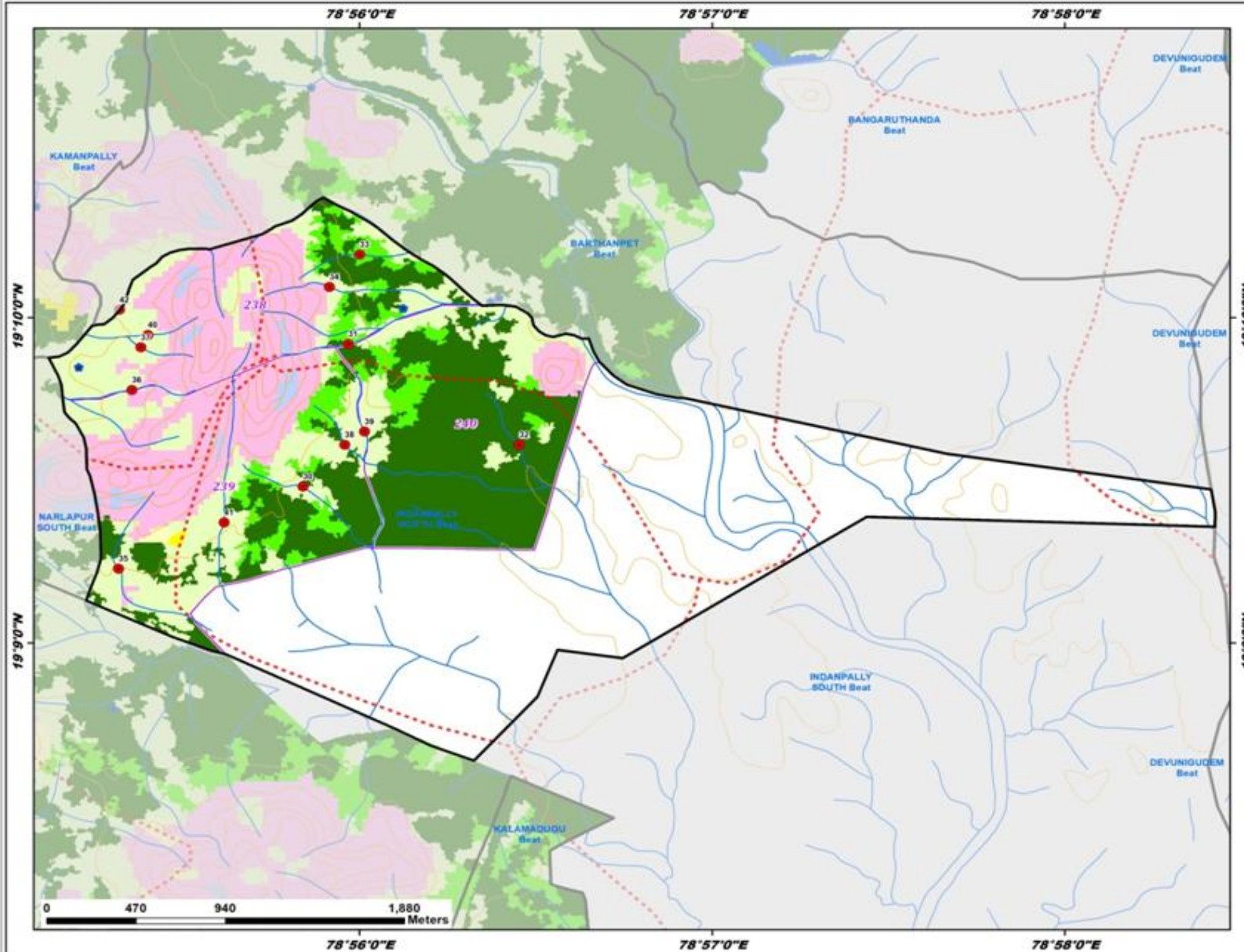
Suitability Index

- 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 Indanpally North Beat



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ma	Priority
30	19.158012	78.930660	10.25	I
31	19.165307	78.932803	5.07	I
32	19.160150	78.940885	16.26	I
33	19.169891	78.933332	8.44	II
34	19.168238	78.931909	4.67	IV
35	19.153798	78.921946	9.33	IV
36	19.162953	78.922568	8.86	IV
37	19.165135	78.922990	6.16	IV
38	19.160151	78.932624	13.33	IV
39	19.160822	78.933561	13.82	IV
40	19.165774	78.923323	9.26	IV
41	19.156173	78.926923	29.18	V
42	19.167065	78.921987	37.86	V

Legend

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

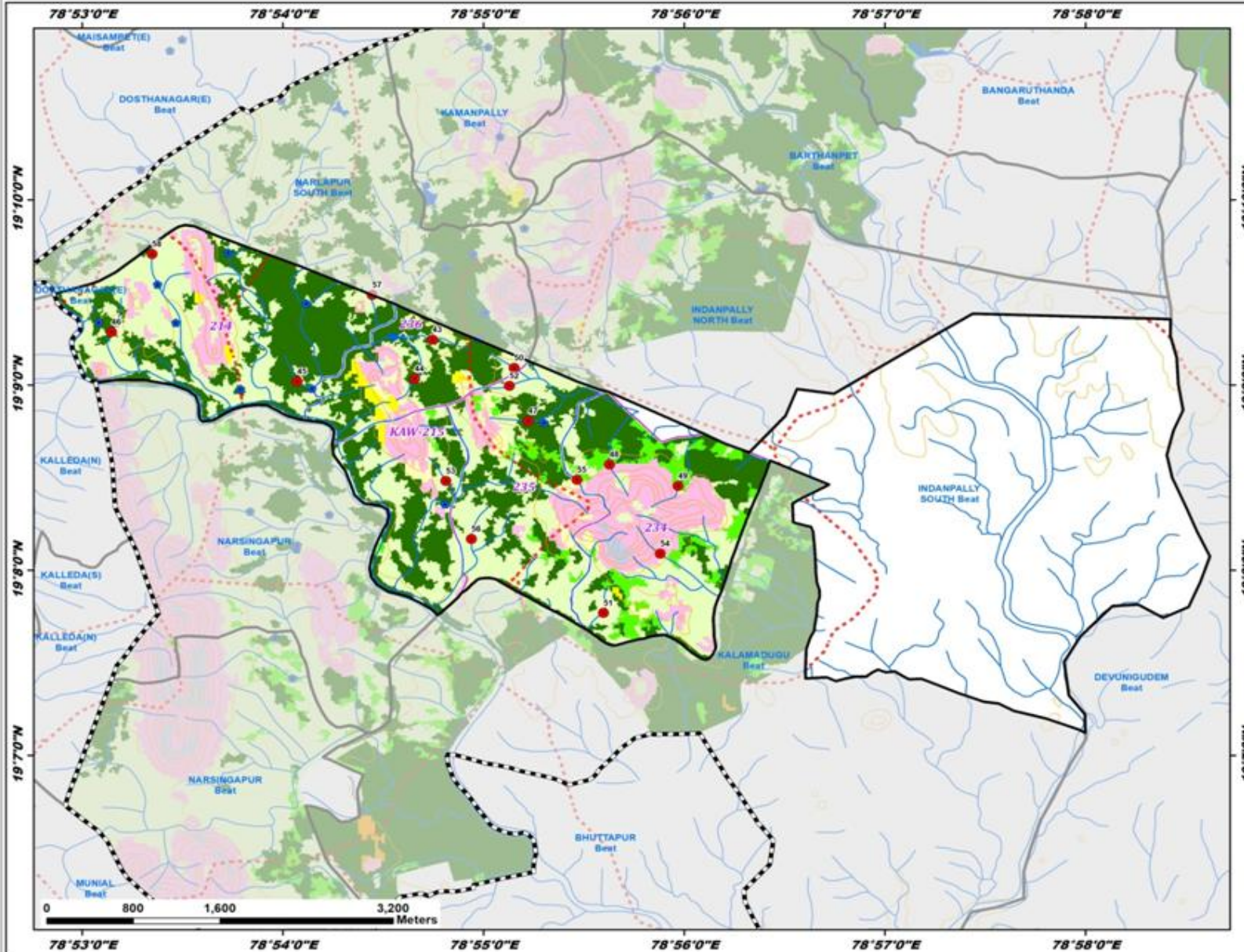
Suitability Index

- 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 Suitability index for Construction of SMC Works of Indanpally South Beat



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ha	Priority
43	19.154084	78.912423	15.76	I
44	19.150554	78.910944	6.43	I
45	19.150325	78.901185	9.29	I
46	19.154775	78.885760	14.33	I
47	19.146771	78.920361	9.44	I
48	19.142856	78.927143	9.59	II
49	19.140922	78.932839	8.86	IV
50	19.151544	78.919205	12.49	IV
51	19.129478	78.926631	9.90	IV
52	19.149934	78.918803	11.46	IV
53	19.141371	78.913533	11.65	IV
54	19.134814	78.931341	6.48	IV
55	19.141468	78.924419	10.86	IV
56	19.136150	78.915655	12.09	IV
57	19.158106	78.907403	10.97	IV
58	19.161788	78.889114	12.32	IV

Legend

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

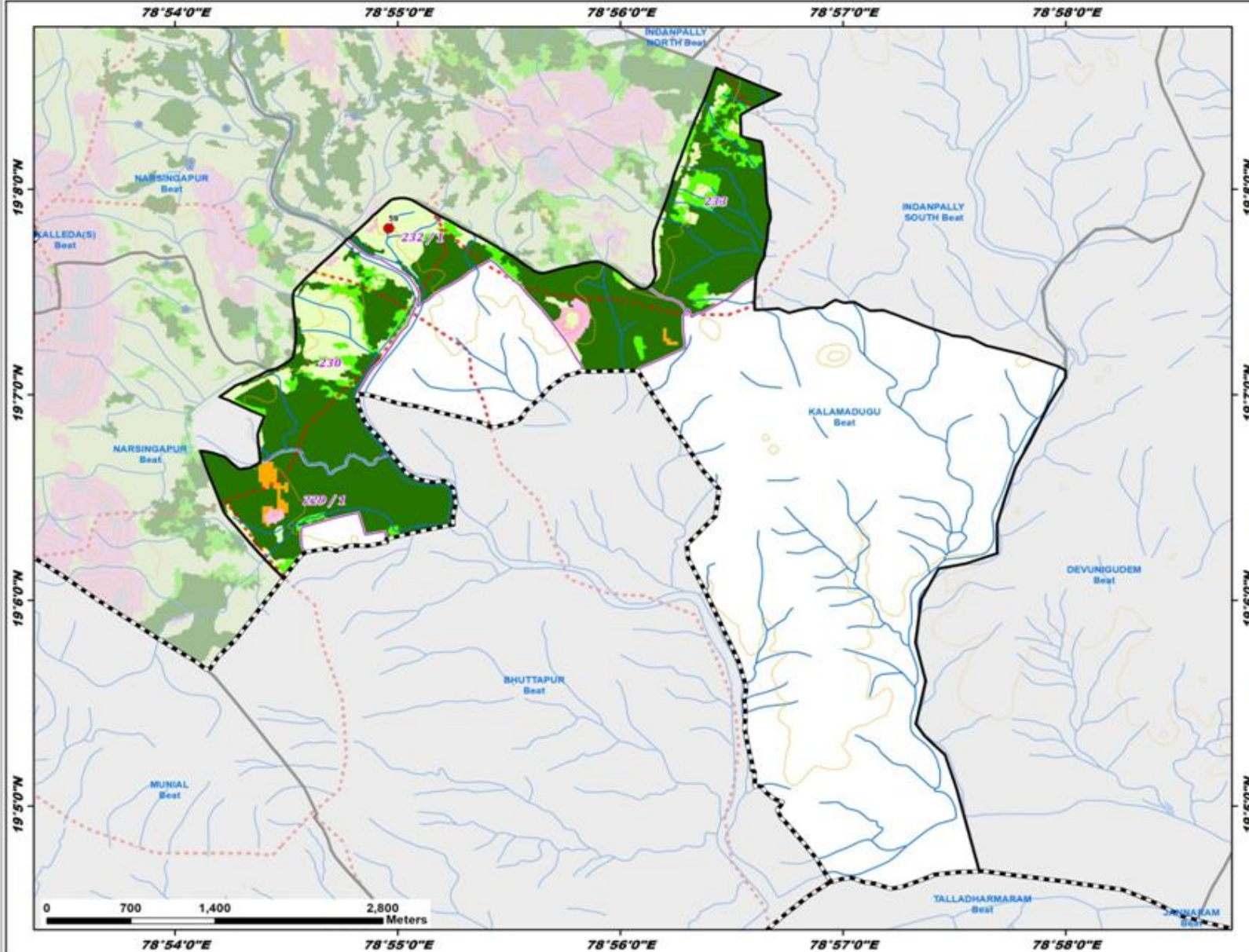
Suitability Index

- Orange: CCTs/SCTs - Highly Suitable
- Yellow: CCTs/SCTs - Moderately Suitable
- Light Yellow: CCTs/SCTs - Least Suitable
- Dark Green: PTs - Highly Suitable
- Light Green: PTs - Moderately Suitable
- Very Light Green: PTs - Least Suitable
- Pink: MPTs and SGP - Suitable
- Light Blue: Not Suitable
- Blue: Water Body

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



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ha	Priority
59	19.130154	78.915982	26.37	V

Legend

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

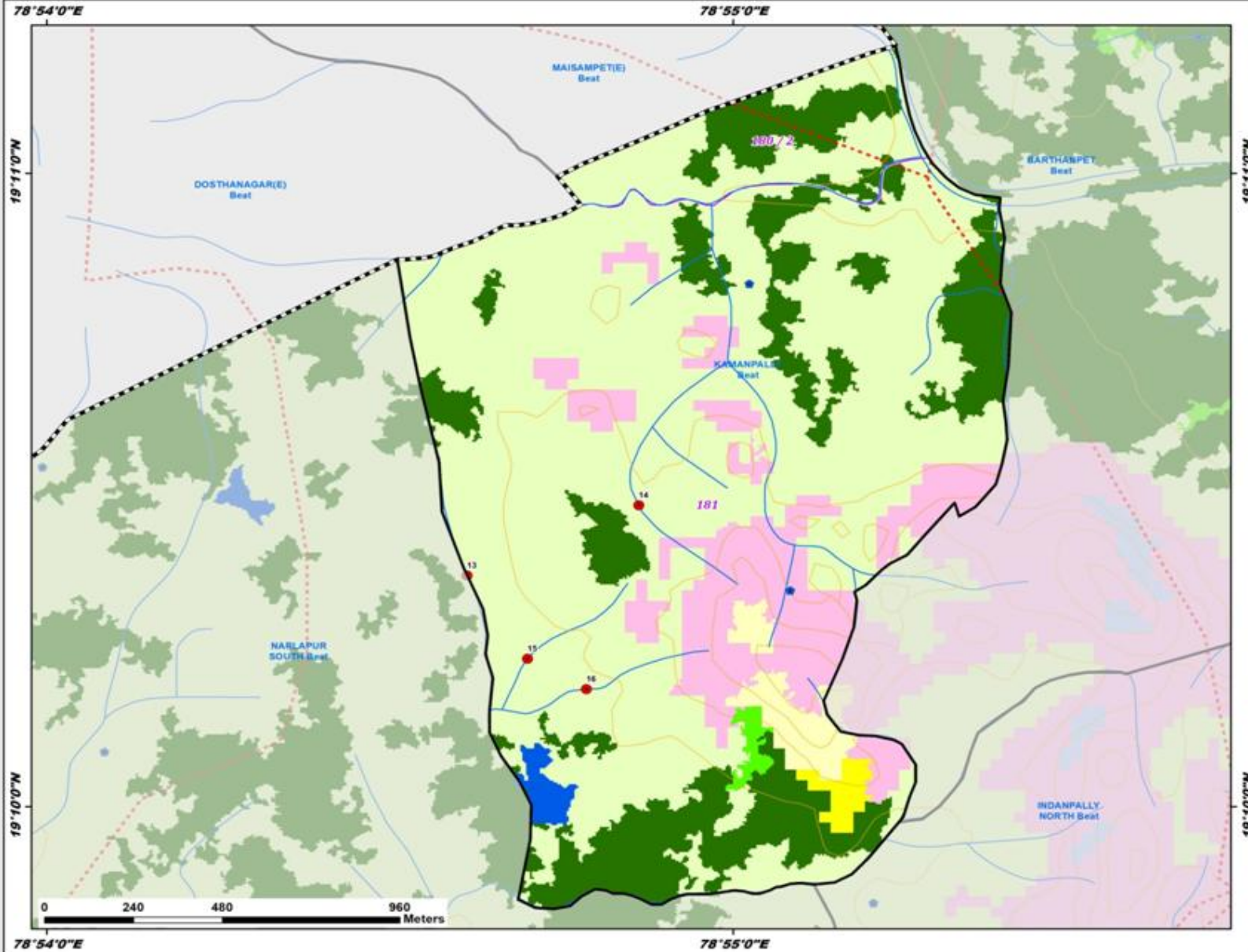
Suitability Index

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

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



Division : Jannaram
Range : Indanpally



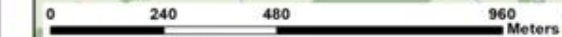
ID	Latitude	Longitude	Catchment Area_Ha	Priority
13	19.172750	78.910201	17.41	IV
14	19.174600	78.914366	6.09	IV
15	19.170560	78.911670	14.08	IV
16	19.169756	78.913092	7.77	IV

Legend

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

Suitability Index

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

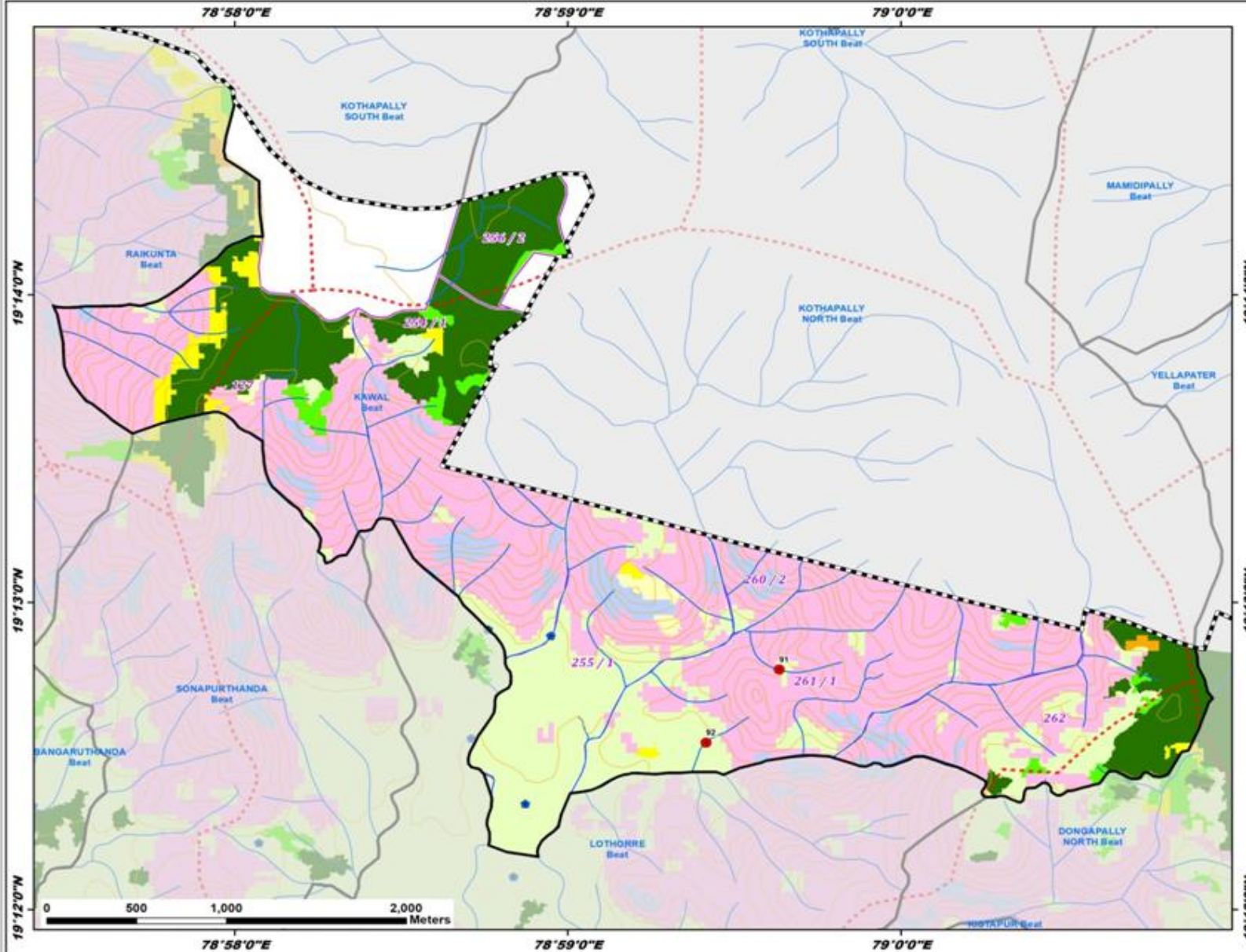


78°54'0"E 78°55'0"E 19°10'0"N 19°11'0"N

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



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ha	Priority
91	19.213007	78.993908	9.51	IV
92	19.209051	78.990251	7.40	IV

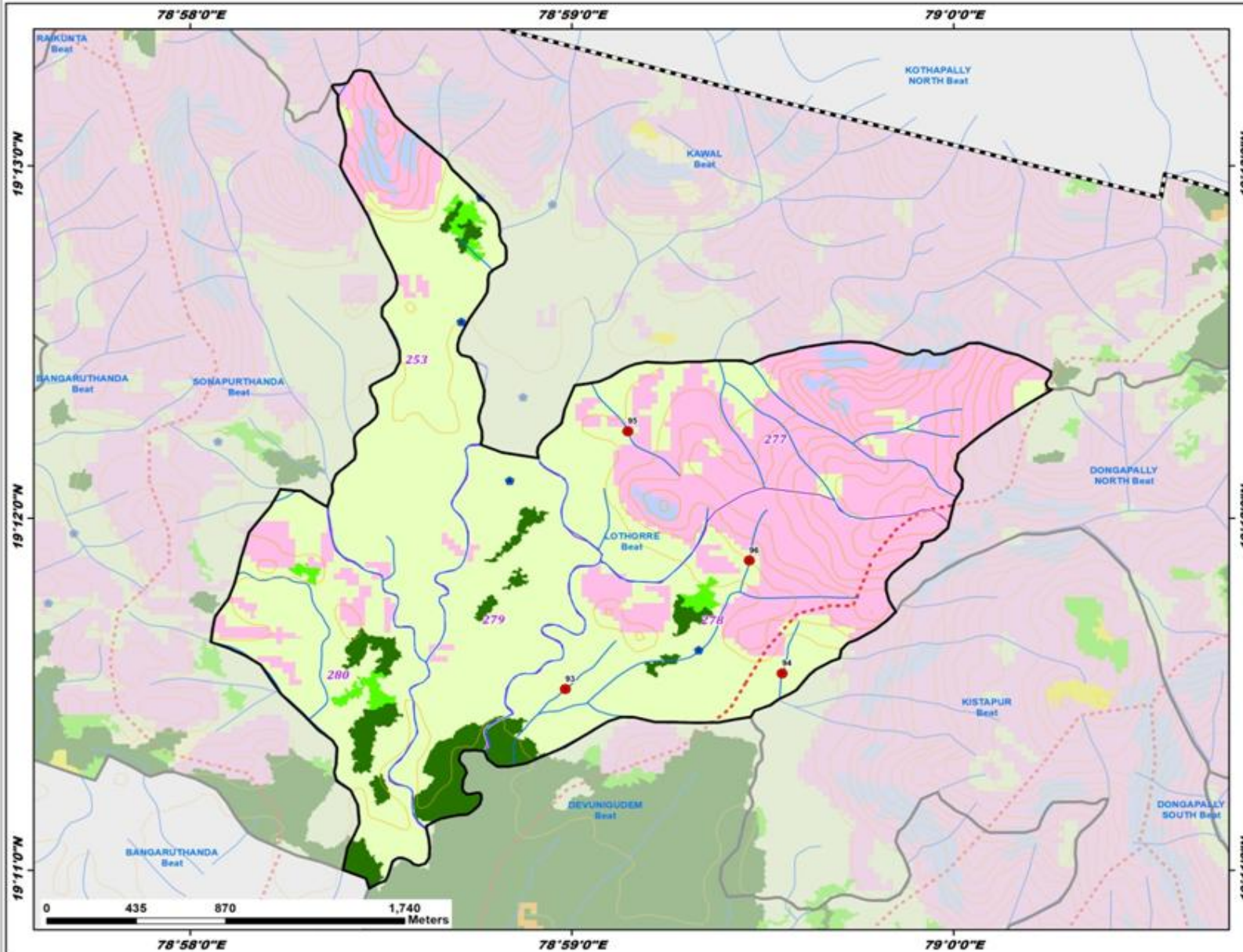
Legend

- 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 Lothorre Beat



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ha	Priority
93	19.191904	78.983041	7.37	IV
94	19.192650	78.992515	10.67	IV
95	19.204109	78.985776	12.93	IV
96	19.197988	78.991073	15.04	IV

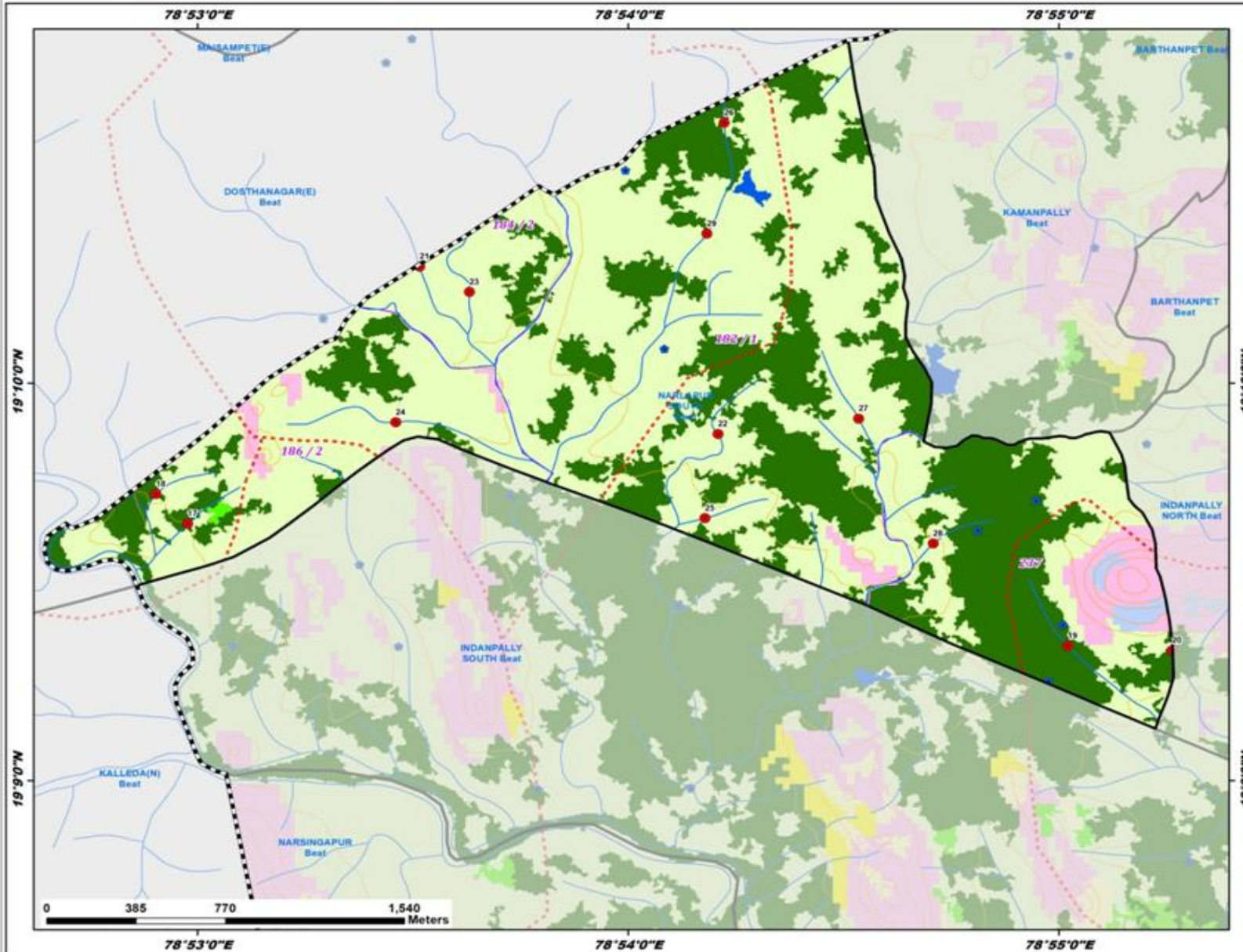
Legend

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

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



Division : Jannaram
Range : Indanpally



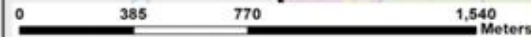
ID	Latitude	Longitude	Catchment Area_Ha	Priority
17	19.160778	78.882945	15.97	I
18	19.162021	78.881721	6.71	I
19	19.155653	78.917012	18.54	I
20	19.155462	78.921042	5.99	I
21	19.171560	78.891925	10.13	IV
22	19.164541	78.903469	16.23	IV
23	19.170495	78.893845	10.24	IV
24	19.165030	78.850994	18.14	IV
25	19.161004	78.902967	11.89	IV
26	19.177585	78.903703	9.96	IV
27	19.165185	78.908914	16.23	IV
28	19.159942	78.911806	11.74	IV
29	19.172940	78.903042	37.68	V

Legend

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

Suitability Index

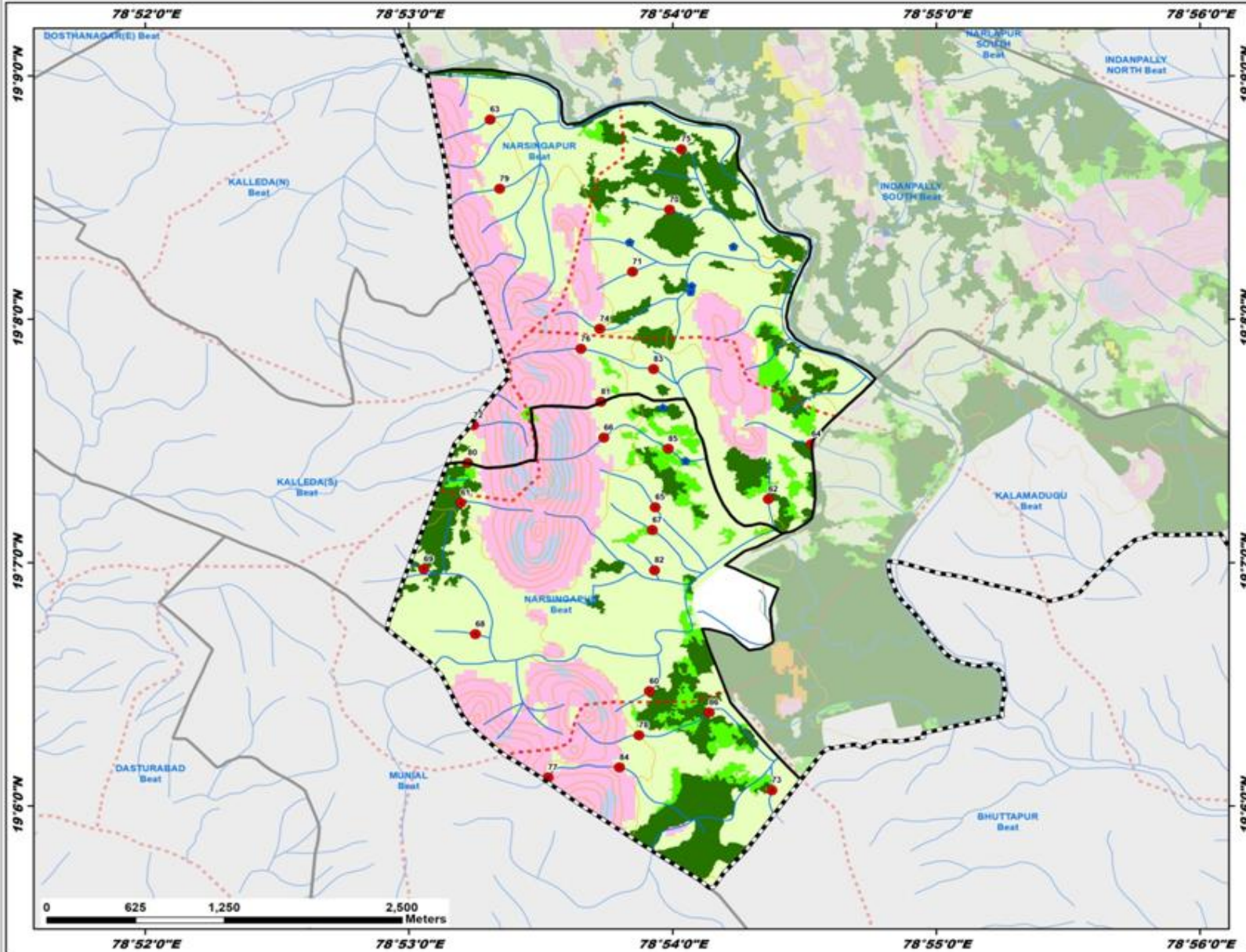
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ha	Priority
60	19.107855	78.898531	12.45	I
61	19.120757	78.886608	12.32	I
62	19.121010	78.906043	10.28	I
63	19.147009	78.888454	6.90	IV
64	19.124787	78.908766	13.29	IV
65	19.120457	78.898892	19.42	IV
66	19.125225	78.895642	11.13	IV
67	19.118900	78.898700	11.17	IV
68	19.111758	78.887528	20.63	IV
69	19.116213	78.884274	11.30	IV
70	19.140833	78.899796	18.85	IV
71	19.136584	78.897470	11.95	IV
72	19.126070	78.887408	8.33	IV
73	19.101077	78.906261	17.94	IV
74	19.132672	78.895383	10.69	IV
75	19.144973	78.900546	15.82	IV
76	19.131303	78.894189	14.01	IV
77	19.101953	78.892120	16.72	IV
78	19.104842	78.897866	9.19	IV
79	19.142270	78.889054	9.41	IV
80	19.123502	78.887038	9.48	IV
81	19.127684	78.895473	10.04	IV
82	19.116144	78.898861	5.90	IV
83	19.129920	78.898797	27.19	V
84	19.102644	78.896643	36.46	V
85	19.124461	78.899727	27.88	V
86	19.106402	78.902298	25.98	V

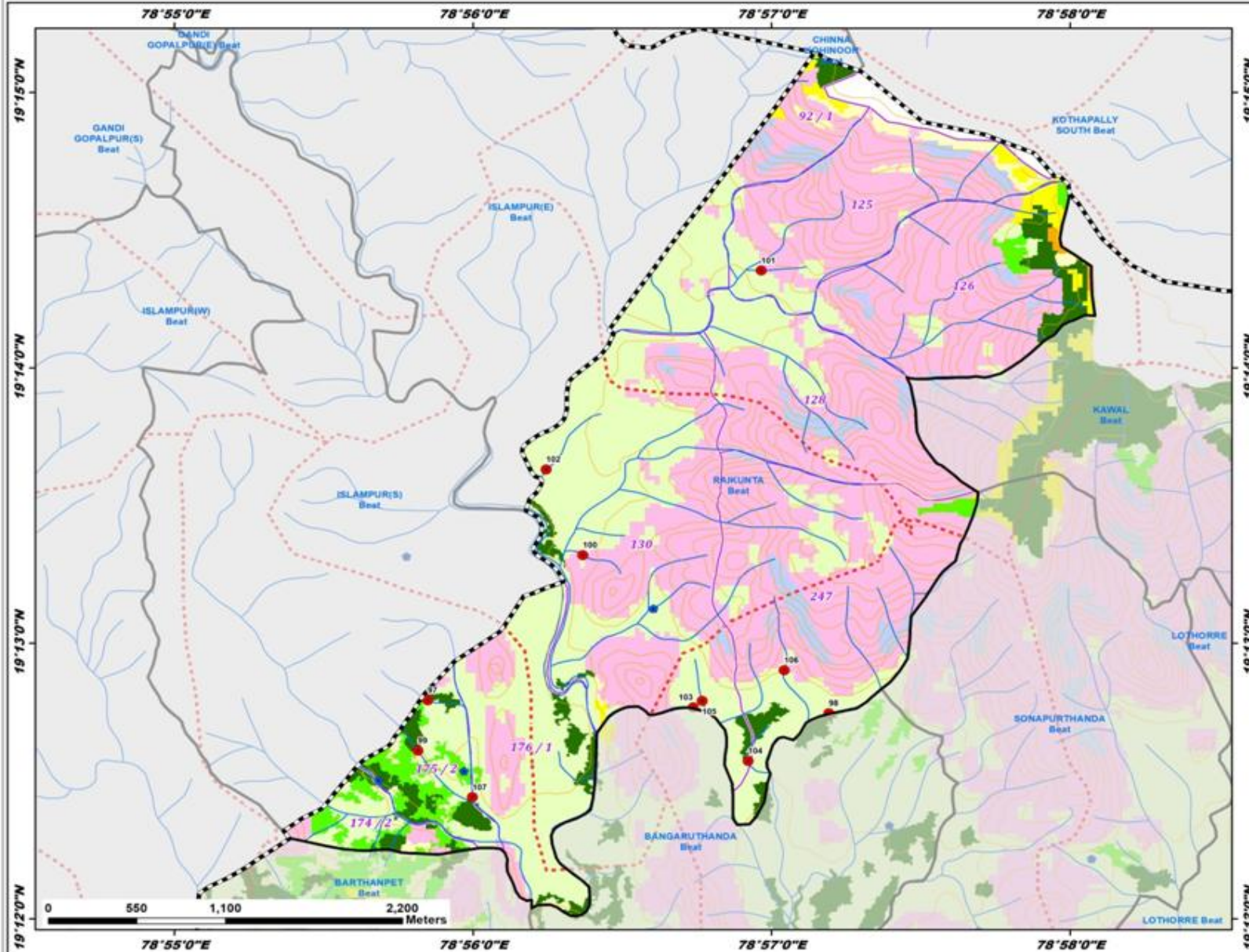
Legend

- 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 SGPts - Suitable
 - Not Suitable
 - Water Body

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



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ha	Priority
97	19.213217	78.930793	8.23	I
98	19.212436	78.953207	94.97	III
99	19.210171	78.930251	12.45	IV
100	19.222003	78.939452	5.01	IV
101	19.239222	78.949417	7.90	IV
102	19.227185	78.937415	23.72	IV
103	19.212790	78.945618	4.88	IV
104	19.209546	78.948697	4.75	IV
105	19.213172	78.946130	13.40	IV
106	19.215032	78.950711	28.64	V
107	19.207343	78.933300	94.78	V

Legend

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

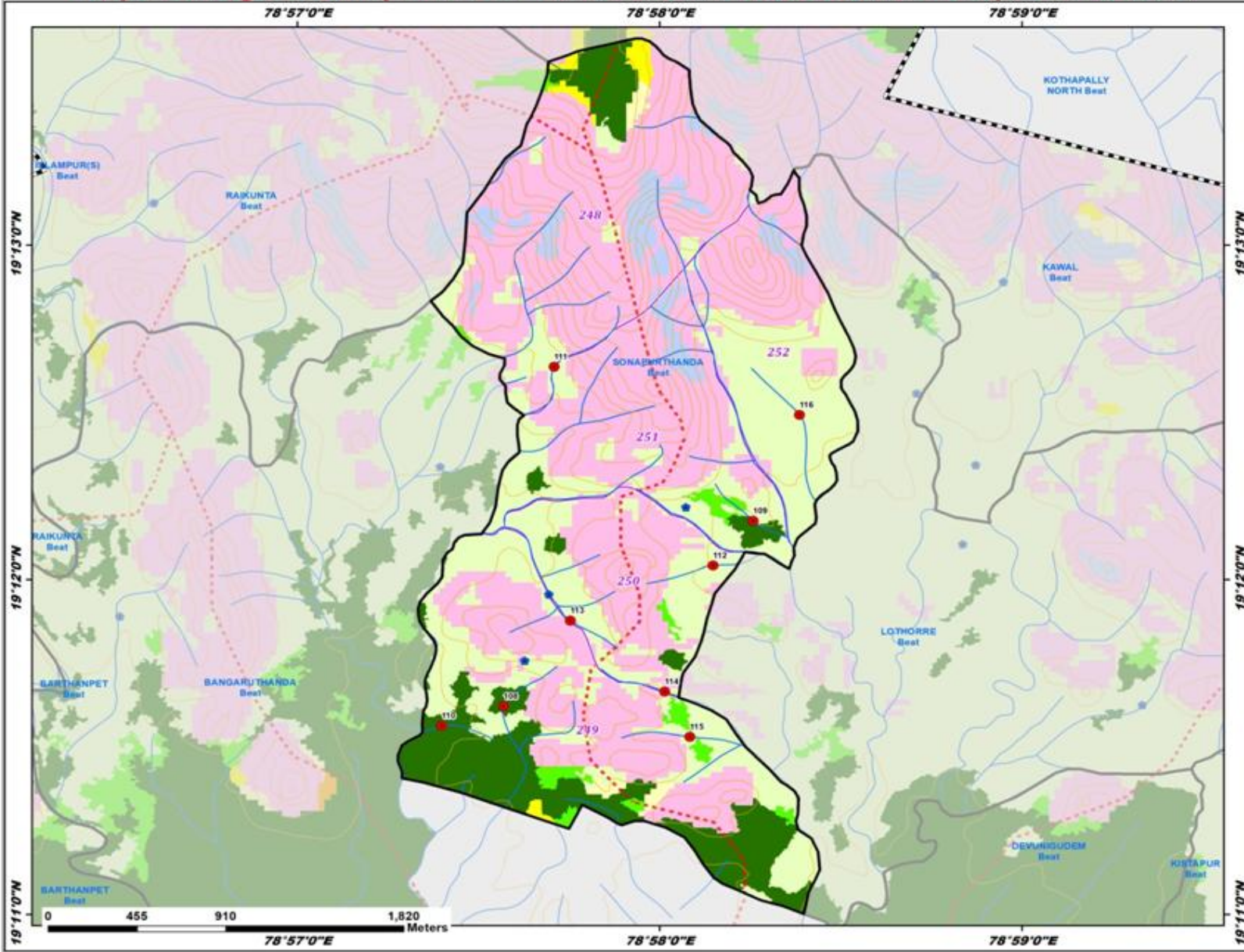
Suitability Index

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

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



Division : Jannaram
Range : Indanpally



ID	Latitude	Longitude	Catchment Area_Ha	Priority
108	19.193690	78.959483	13.92	I
109	19.202938	78.970972	11.32	I
110	19.192726	78.956640	9.21	I
111	19.210607	78.961820	9.60	IV
112	19.200711	78.969128	11.03	IV
113	19.197962	78.962565	7.71	IV
114	19.194430	78.966895	11.13	IV
115	19.192174	78.968064	8.25	IV
116	19.208218	78.973105	26.24	V

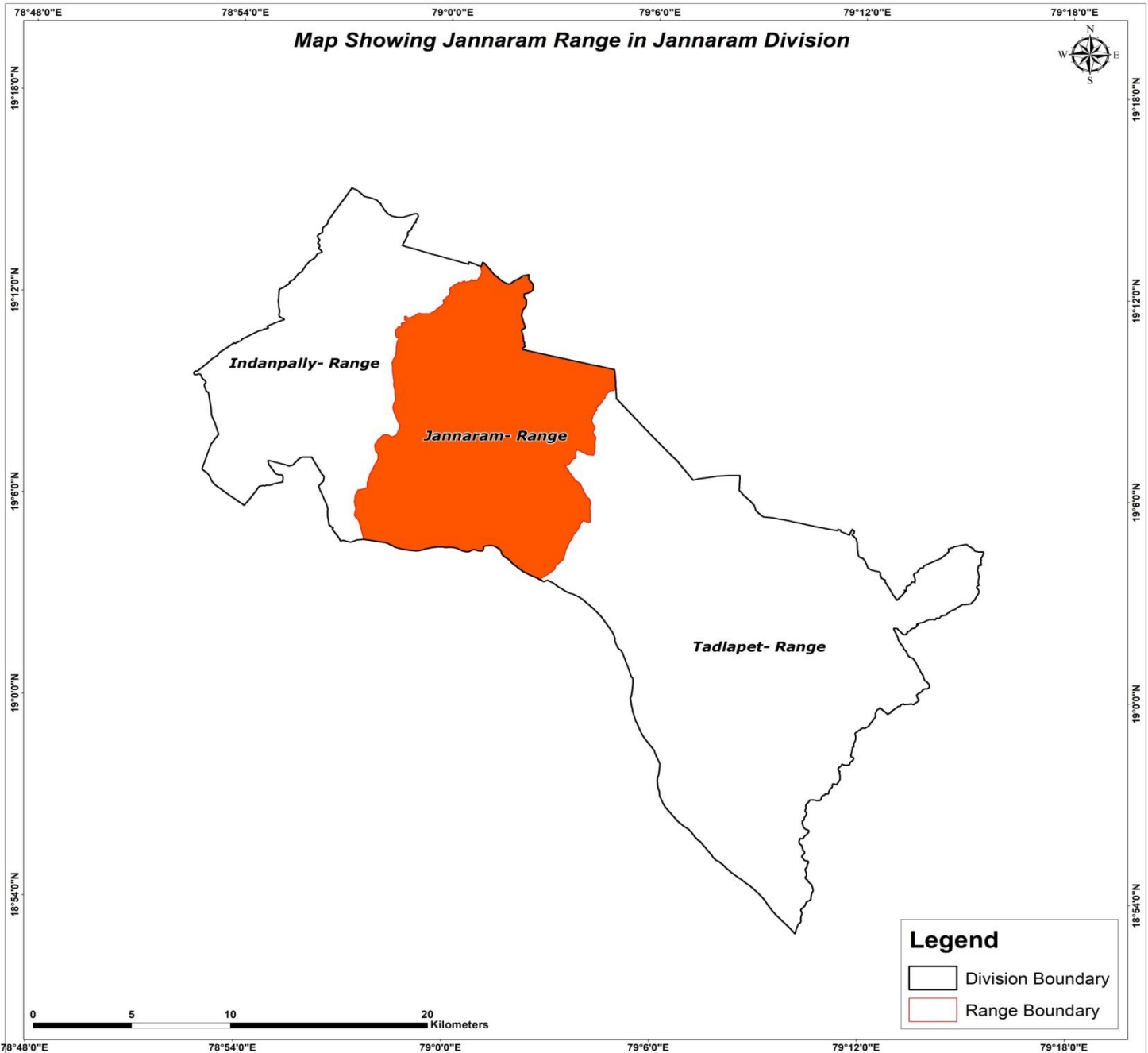
Legend

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

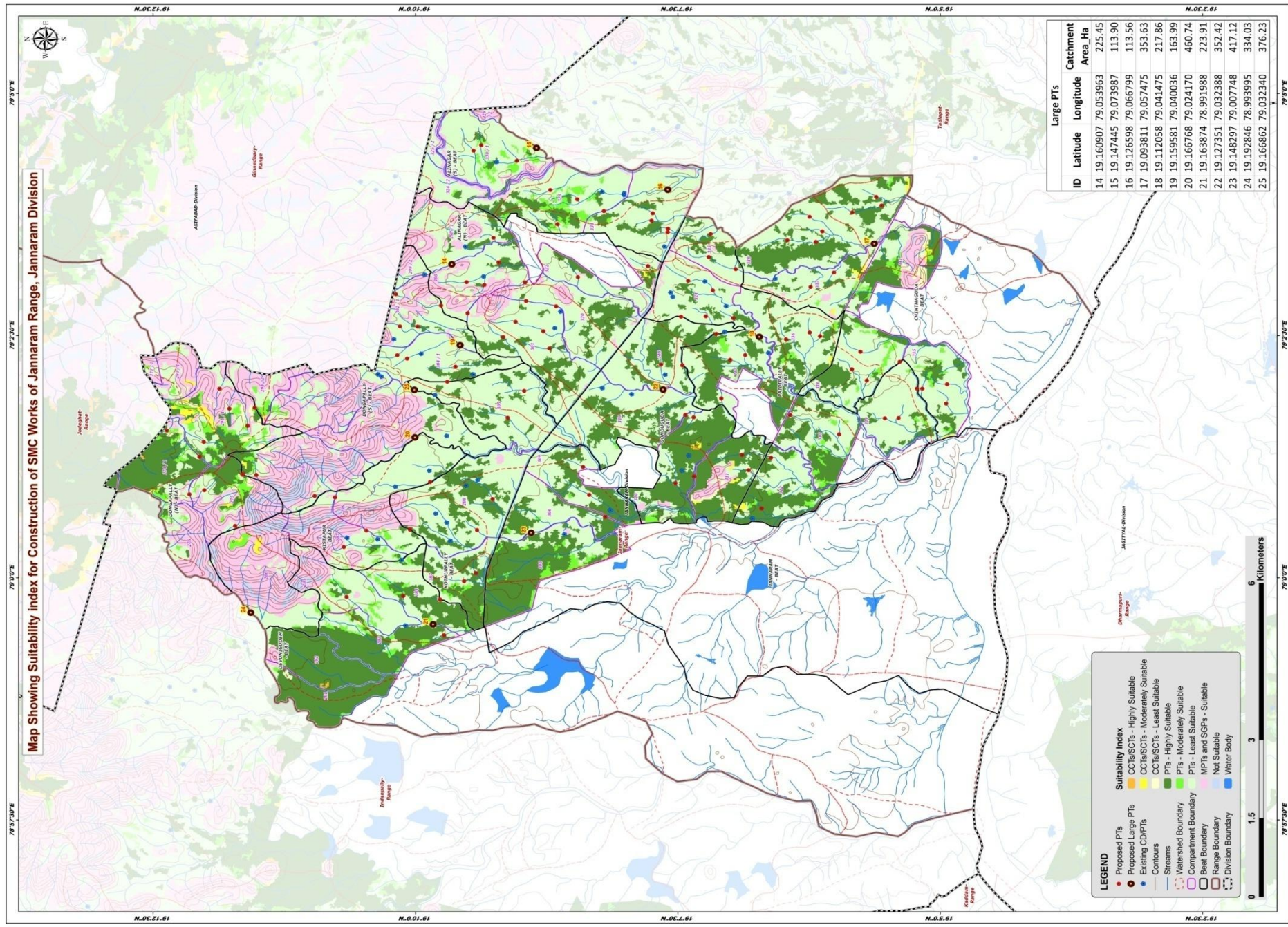
Suitability Index

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

Map Showing Jannaram Range in Jannaram Division

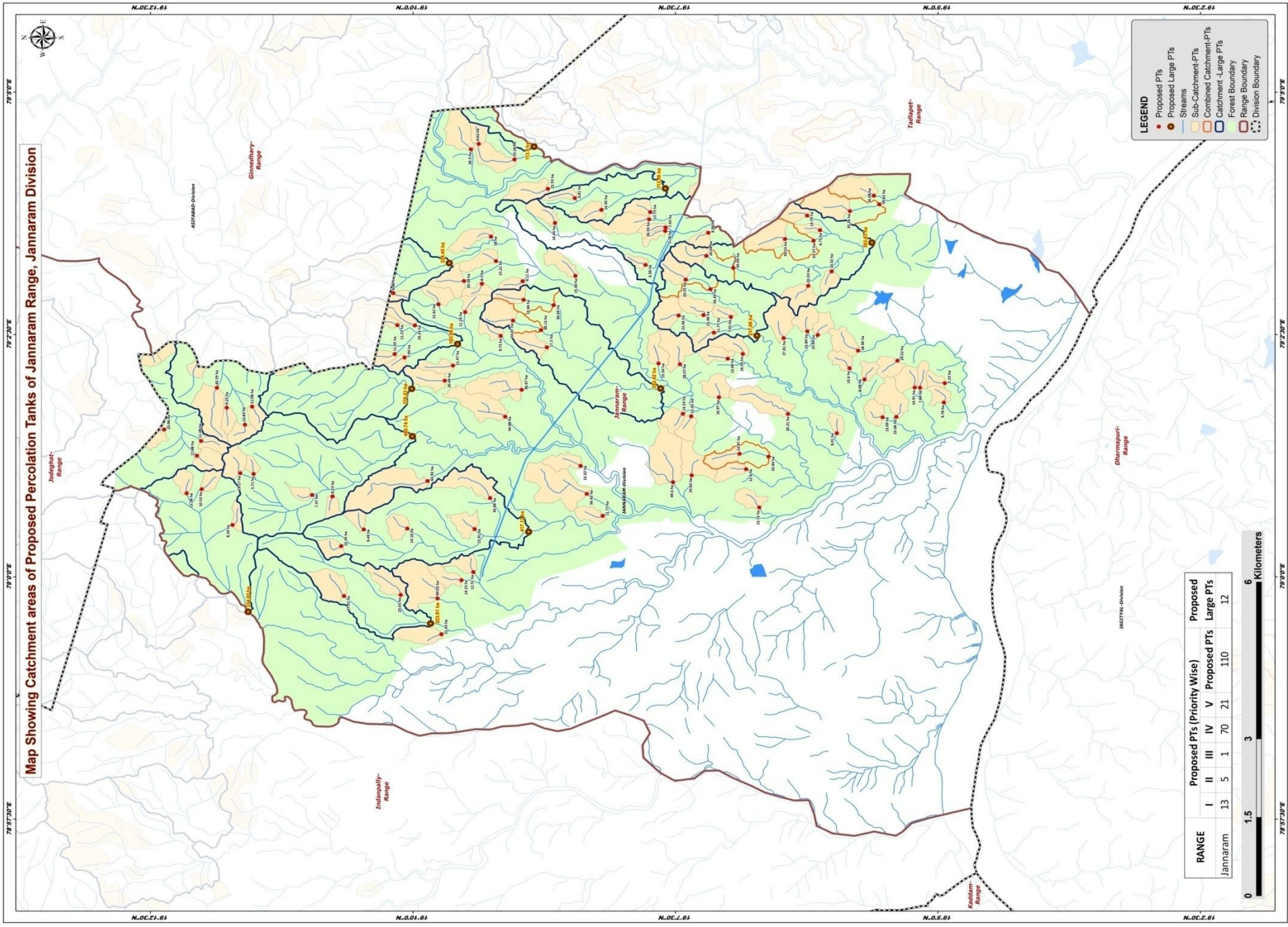


Map Showing Suitability Index for Construction of SMC Works of Jannaram Range, Jannaram Division



ID	Latitude	Longitude	Catchment Area_Ha
14	19.160907	79.053963	225.45
15	19.147445	79.073987	113.90
16	19.126598	79.066799	113.56
17	19.093811	79.057475	353.63
18	19.112058	79.041475	217.86
19	19.159581	79.040036	163.99
20	19.166768	79.024170	460.74
21	19.163874	78.991988	223.91
22	19.127351	79.032388	352.42
23	19.148297	79.007748	417.12
24	19.192846	78.993995	334.03
25	19.166862	79.032340	376.23

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



RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Jannaram	13	5	1	70	21	12



- 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 – Jannaram Range

S. No.	Beat	Proposed PT's
1	ALINAGAR NORTH	14
2	ALINAGAR SOUTH	11
3	CHINTHAGUDA	16
4	DEVUNIGUDEM	4
5	DONGAPALLY NORTH	10
6	DONGAPALLY SOUTH	11
7	GONDUGUDA	8
8	JANNARAM	3
9	KISTAPUR	5
10	KOTHURPALLY	6
11	PAIDIPALLY	22
	Total	110

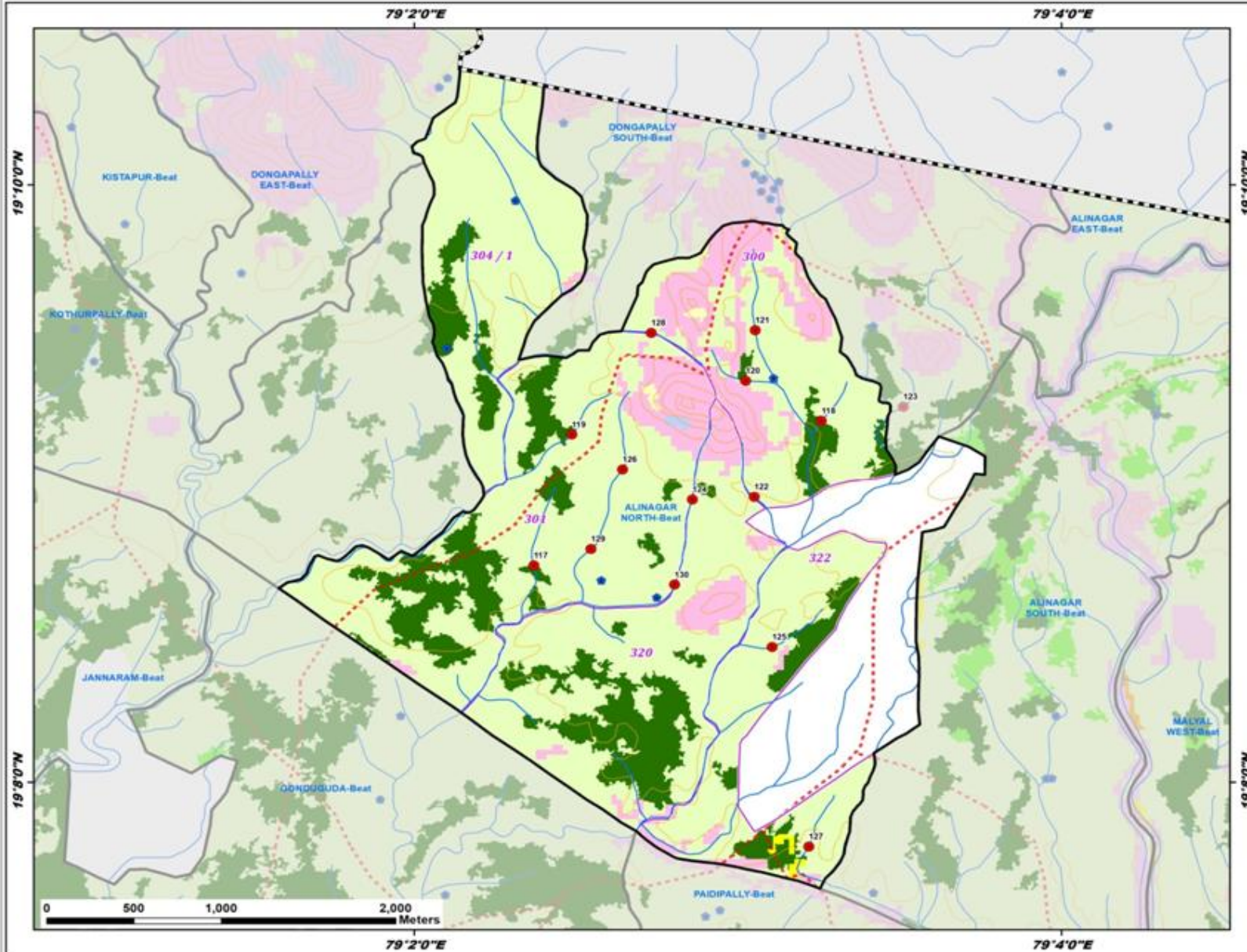
List of Proposed PTs – Jannaram Range

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat	ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
117	19.145417	79.039482	17.20	I	ALINAGAR NORTH	157	19.103075	79.057801	61.37	V	CHINTHAGUDA						
118	19.153488	79.054299	15.21	I	ALINAGAR NORTH	158	19.111697	79.011927	13.72	I	PAIDIPALLY	197	19.162611	79.046864	13.42	IV	DONGAPALLY SOUTH
119	19.152729	79.041443	9.73	I	ALINAGAR NORTH	159	19.107129	79.028027	34.31	II	PAIDIPALLY						
120	19.155732	79.050399	8.70	I	ALINAGAR NORTH	160	19.119781	79.059176	8.94	IV	PAIDIPALLY	198	19.160310	79.036334	11.47	IV	DONGAPALLY SOUTH
121	19.158554	79.050885	20.58	IV	ALINAGAR NORTH	161	19.118084	79.030865	16.97	IV	PAIDIPALLY						
122	19.149246	79.050832	8.11	IV	ALINAGAR NORTH	162	19.124491	79.044949	22.46	IV	PAIDIPALLY	199	19.169794	79.048795	6.86	IV	DONGAPALLY SOUTH
123	19.154282	79.058518	18.00	IV	ALINAGAR NORTH	163	19.120549	79.045008	15.46	IV	PAIDIPALLY						
124	19.149104	79.047645	12.66	IV	ALINAGAR NORTH	164	19.092101	79.027452	13.09	IV	PAIDIPALLY	200	19.191962	79.017698	5.71	IV	DONGAPALLY SOUTH
125	19.140875	79.051752	15.36	IV	ALINAGAR NORTH	165	19.116691	79.037511	13.68	IV	PAIDIPALLY	201	19.168608	78.996900	23.01	I	DEVUNIGUDEM
126	19.150776	79.044055	24.47	IV	ALINAGAR NORTH	166	19.116185	79.044686	7.01	IV	PAIDIPALLY	202	19.162136	78.990131	21.43	IV	DEVUNIGUDEM
127	19.129734	79.053643	6.58	IV	ALINAGAR NORTH	167	19.099376	79.024698	8.01	IV	PAIDIPALLY	203	19.177625	78.996700	27.91	V	DEVUNIGUDEM
128	19.158399	79.045535	11.24	IV	ALINAGAR NORTH	168	19.114295	79.038340	16.05	IV	PAIDIPALLY	204	19.162771	78.996285	49.03	V	DEVUNIGUDEM
129	19.146343	79.042424	38.13	V	ALINAGAR NORTH	169	19.104072	79.042224	15.84	IV	PAIDIPALLY	205	19.123798	79.028045	13.23	I	GONDUGUDA
130	19.144347	79.046729	36.69	V	ALINAGAR NORTH	170	19.120092	79.055198	20.04	IV	PAIDIPALLY	206	19.122421	79.017460	24.82	I	GONDUGUDA
131	19.156212	79.074467	9.62	IV	ALINAGAR SOUTH	171	19.118881	79.041998	11.77	IV	PAIDIPALLY	207	19.114821	79.021174	14.87	I	GONDUGUDA
132	19.145255	79.066731	22.53	IV	ALINAGAR SOUTH	172	19.102408	79.041597	10.84	IV	PAIDIPALLY	208	19.113772	79.018516	12.60	IV	GONDUGUDA
133	19.140979	79.065139	8.81	IV	ALINAGAR SOUTH	173	19.123357	79.051111	20.55	IV	PAIDIPALLY	209	19.122494	79.027612	12.05	IV	GONDUGUDA
134	19.129007	79.062735	11.75	IV	ALINAGAR SOUTH	174	19.087000	79.032551	14.91	IV	PAIDIPALLY	210	19.127692	79.036696	15.54	IV	GONDUGUDA
135	19.150546	79.071779	23.26	IV	ALINAGAR SOUTH	175	19.107817	79.041059	27.81	V	PAIDIPALLY	211	19.125387	79.016275	49.60	V	GONDUGUDA
136	19.126563	79.060098	7.43	IV	ALINAGAR SOUTH	176	19.089946	79.027499	25.06	V	PAIDIPALLY	212	19.124276	79.036562	28.57	V	GONDUGUDA
137	19.136749	79.063128	14.95	IV	ALINAGAR SOUTH	177	19.110205	79.020669	33.94	V	PAIDIPALLY	213	19.136535	79.010493	11.71	I	JANNARAM
138	19.126612	79.059479	5.78	IV	ALINAGAR SOUTH	178	19.119452	79.049478	43.49	V	PAIDIPALLY	214	19.140058	79.019094	15.32	IV	JANNARAM
139	19.144108	79.060845	14.45	IV	ALINAGAR SOUTH	179	19.115808	79.053122	43.04	V	PAIDIPALLY	215	19.139071	79.014268	56.42	V	JANNARAM
140	19.157450	79.073506	28.30	V	ALINAGAR SOUTH	180	19.192199	79.029283	11.08	II	DONGAPALLY (N)	216	19.167557	79.008306	14.18	I	KISTAPUR
141	19.129162	79.061486	26.33	V	ALINAGAR SOUTH	181	19.193345	79.026170	13.83	IV	DONGAPALLY (N)	217	19.179440	79.013834	8.23	IV	KISTAPUR
142	19.097288	79.062885	33.26	II	CHINTHAGUDA	182	19.202594	79.014362	11.38	IV	DONGAPALLY (N)	218	19.178051	79.005280	12.45	IV	KISTAPUR
143	19.093489	79.065557	26.08	II	CHINTHAGUDA	183	19.195312	79.008922	8.29	IV	DONGAPALLY (N)	219	19.174483	79.008149	9.49	IV	KISTAPUR
144	19.100193	79.052537	10.32	IV	CHINTHAGUDA	184	19.200983	79.020824	17.88	IV	DONGAPALLY (N)	220	19.164342	79.016487	63.92	V	KISTAPUR
145	19.102051	79.059611	6.73	IV	CHINTHAGUDA	185	19.206175	79.025339	10.96	IV	DONGAPALLY (N)	221	19.157083	79.000809	12.51	I	KOTHURPALLY
146	19.089747	79.037167	14.31	IV	CHINTHAGUDA	186	19.200205	79.015073	10.53	IV	DONGAPALLY (N)	222	19.156884	79.008226	15.91	IV	KOTHURPALLY
147	19.097352	79.035885	10.60	IV	CHINTHAGUDA	187	19.200309	79.023382	11.08	IV	DONGAPALLY (N)	223	19.158961	78.999431	14.23	IV	KOTHURPALLY
148	19.104084	79.062122	13.79	IV	CHINTHAGUDA	188	19.196232	79.029108	9.25	IV	DONGAPALLY (N)	224	19.149413	79.032163	36.67	V	KOTHURPALLY
149	19.086178	79.032530	7.84	IV	CHINTHAGUDA	189	19.197803	79.032527	40.29	V	DONGAPALLY (N)	225	19.154434	79.013551	34.86	V	KOTHURPALLY
150	19.103905	79.050061	20.53	IV	CHINTHAGUDA	190	19.194110	79.017840	19.17	I	DONGAPALLY (N)	226	19.152034	79.027549	34.88	V	KOTHURPALLY
151	19.082230	79.033316	7.23	IV	CHINTHAGUDA	191	19.166356	79.043242	25.23	II	DONGAPALLY (N)						
152	19.094979	79.033950	8.08	IV	CHINTHAGUDA	192	19.169558	79.038314	11.02	IV	DONGAPALLY (N)						
153	19.082380	79.029980	9.78	IV	CHINTHAGUDA	193	19.169141	79.043279	11.22	IV	DONGAPALLY (N)						
154	19.095989	79.038902	18.36	IV	CHINTHAGUDA	194	19.161633	79.033751	20.44	IV	DONGAPALLY (N)						
155	19.107607	79.058093	33.53	V	CHINTHAGUDA	195	19.168004	79.037724	7.94	IV	DONGAPALLY (N)						
156	19.092637	79.064074	55.62	III	CHINTHAGUDA	196	19.182688	79.014081	7.37	IV	DONGAPALLY (N)						

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



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area_Ha	Priority
117	19.145417	79.039482	17.20	I
118	19.153488	79.054299	15.21	I
119	19.152729	79.041443	9.73	I
120	19.155732	79.050399	8.70	I
121	19.158554	79.050885	20.58	IV
122	19.149246	79.050832	8.11	IV
123	19.154282	79.058518	18.00	IV
124	19.149104	79.047645	12.66	IV
125	19.140875	79.051752	15.36	IV
126	19.150776	79.044055	24.47	IV
127	19.129734	79.053643	6.58	IV
128	19.158399	79.045535	11.24	IV
129	19.146343	79.042424	38.13	V
130	19.144347	79.046729	36.69	V

Legend

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

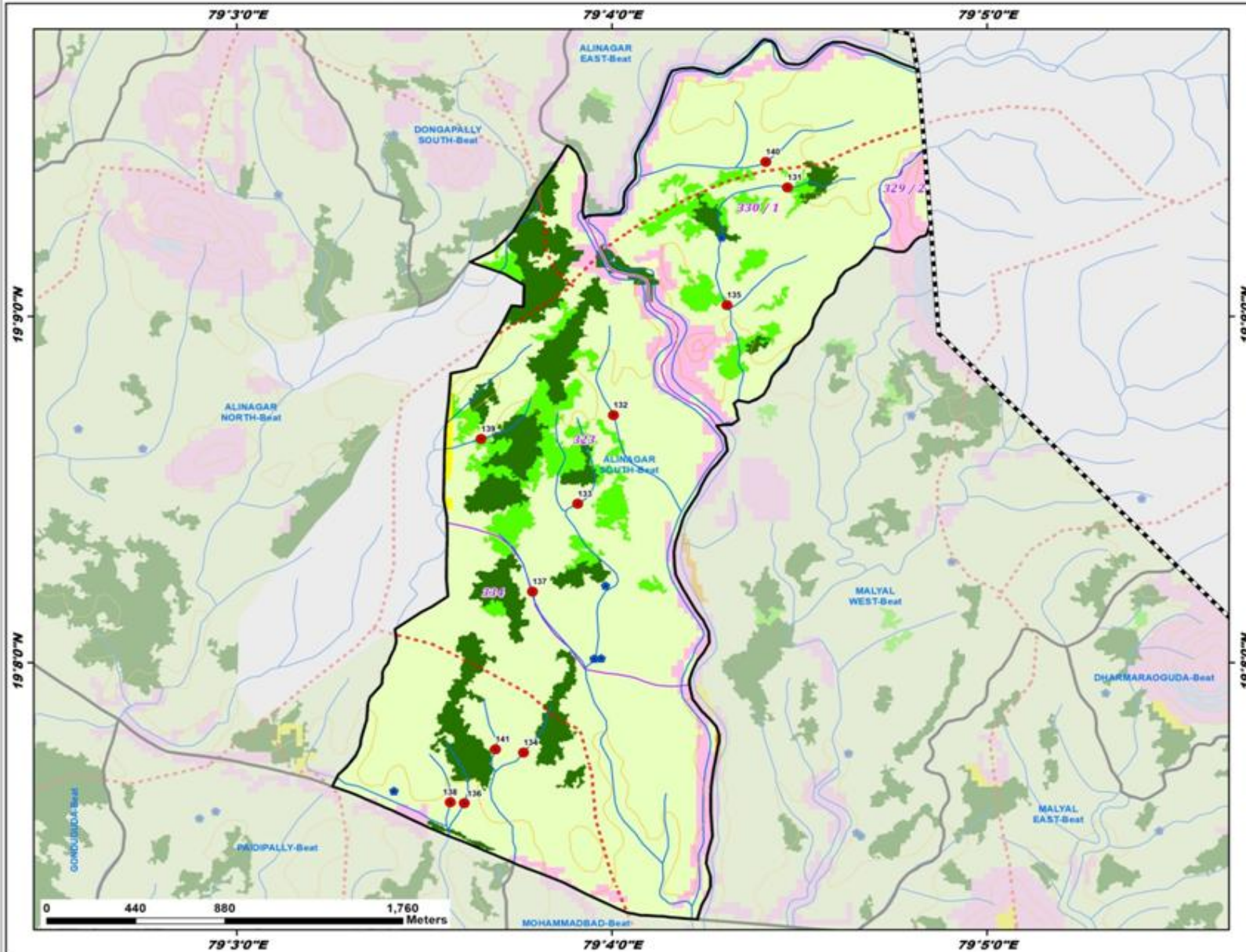
Suitability Index

- 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 Alinagar South Beat



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area, Ha	Priority
131	19.156212	79.074467	9.62	IV
132	19.145255	79.066731	22.53	IV
133	19.140979	79.065139	8.81	IV
134	19.129007	79.062735	11.75	IV
135	19.150546	79.071779	23.26	IV
136	19.126563	79.060098	7.43	IV
137	19.136749	79.063128	14.95	IV
138	19.126612	79.059479	5.78	IV
139	19.144108	79.060845	14.45	IV
140	19.157450	79.073506	28.30	V
141	19.129162	79.061486	26.33	V

Legend

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

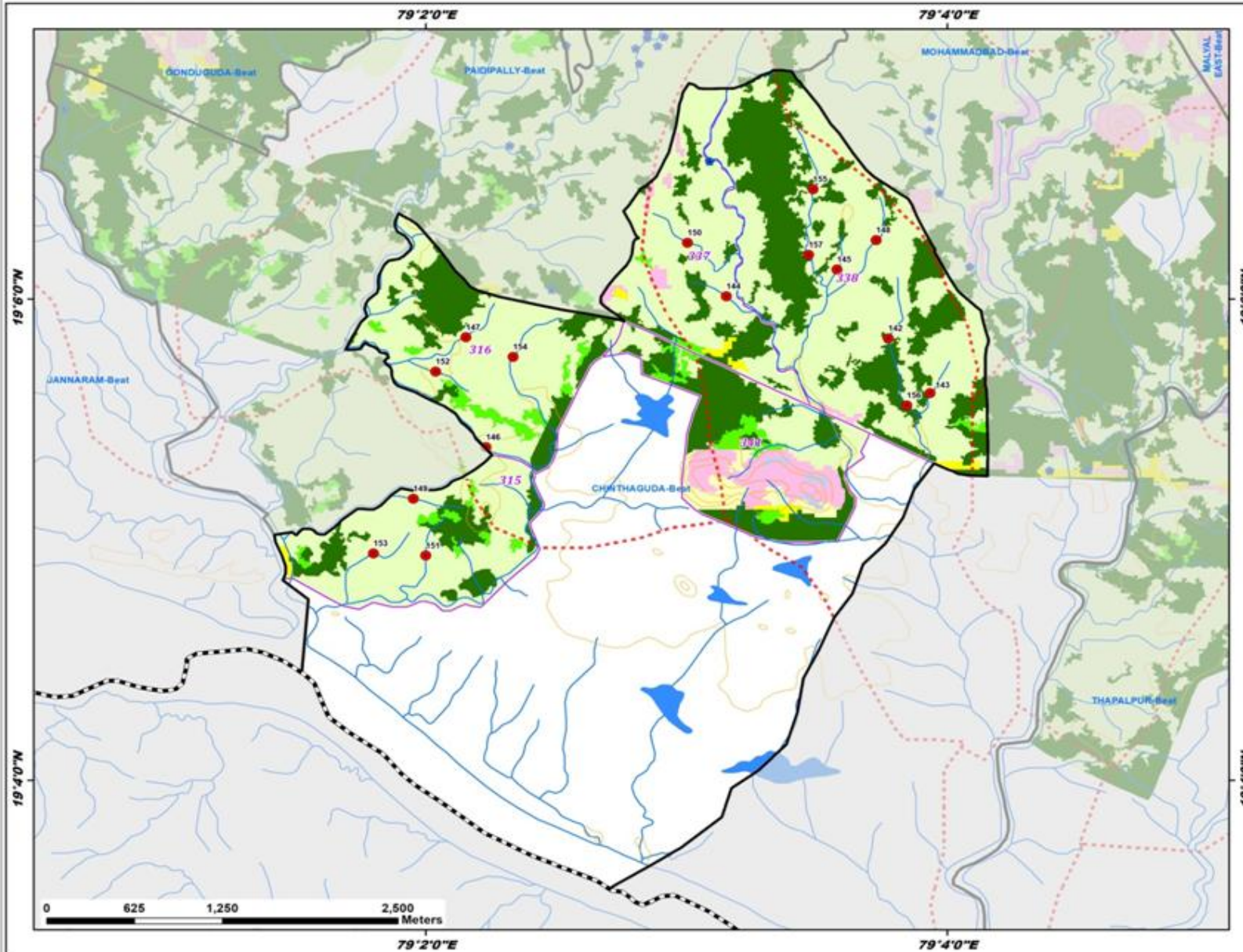
Suitability Index

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

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



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area_Ha	Priority
142	19.097288	79.062885	33.26	II
143	19.093489	79.065557	26.08	II
144	19.100193	79.052537	10.32	IV
145	19.102051	79.059611	6.73	IV
146	19.089747	79.037167	14.31	IV
147	19.097352	79.035885	10.60	IV
148	19.104084	79.062122	13.79	IV
149	19.086178	79.032530	7.84	IV
150	19.103905	79.050061	20.53	IV
151	19.082230	79.033316	7.23	IV
152	19.094979	79.033950	8.08	IV
153	19.082380	79.029980	9.78	IV
154	19.095989	79.038902	18.36	IV
155	19.107607	79.058093	33.53	V
156	19.092637	79.064074	55.62	III
157	19.103075	79.057801	61.37	V

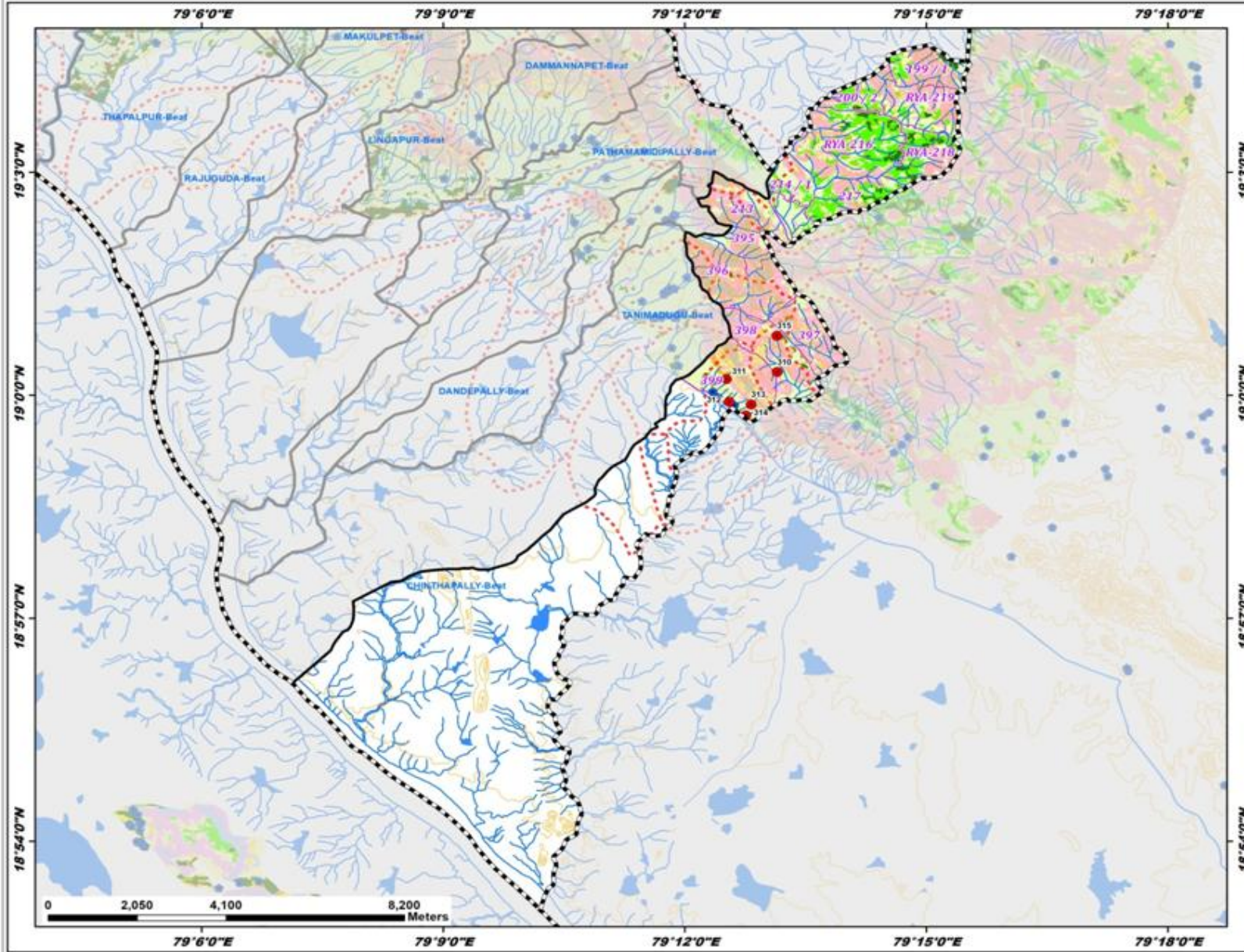
Legend

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

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



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area_Ha	Priority
310	19.005210	79.219117	16.54	IV
311	19.003630	79.208604	18.27	IV
312	18.998539	79.209197	10.97	IV
313	18.997929	79.213713	8.21	IV
314	18.995519	79.212602	9.86	IV
315	19.013358	79.219017	28.79	V

Legend

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

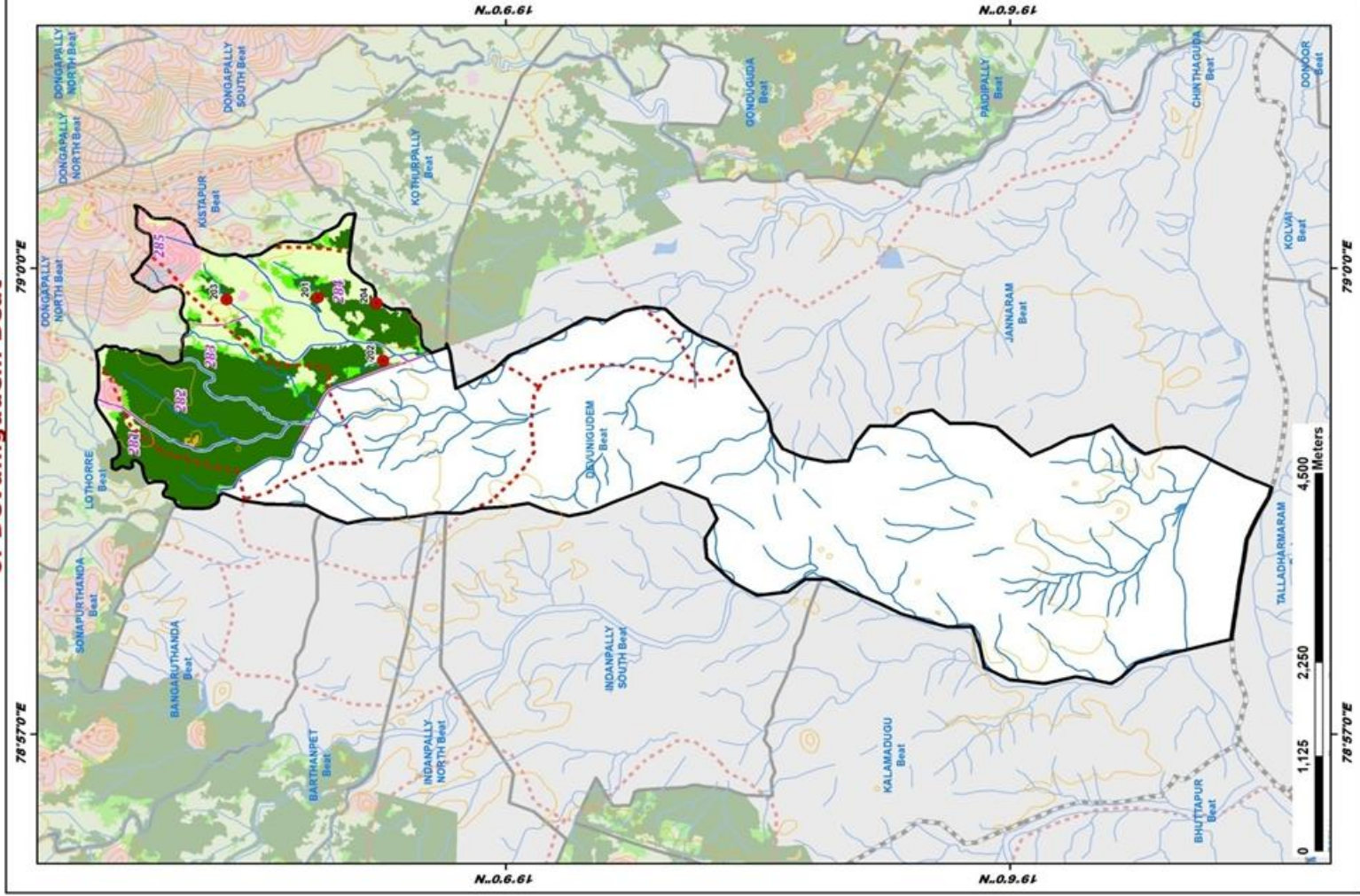
Suitability Index

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

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



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area_Ha	Priority
201	19.168608	78.996900	23.01	I
202	19.162136	78.990131	21.43	IV
203	19.177625	78.995700	27.91	V
204	19.162771	78.996285	49.03	V

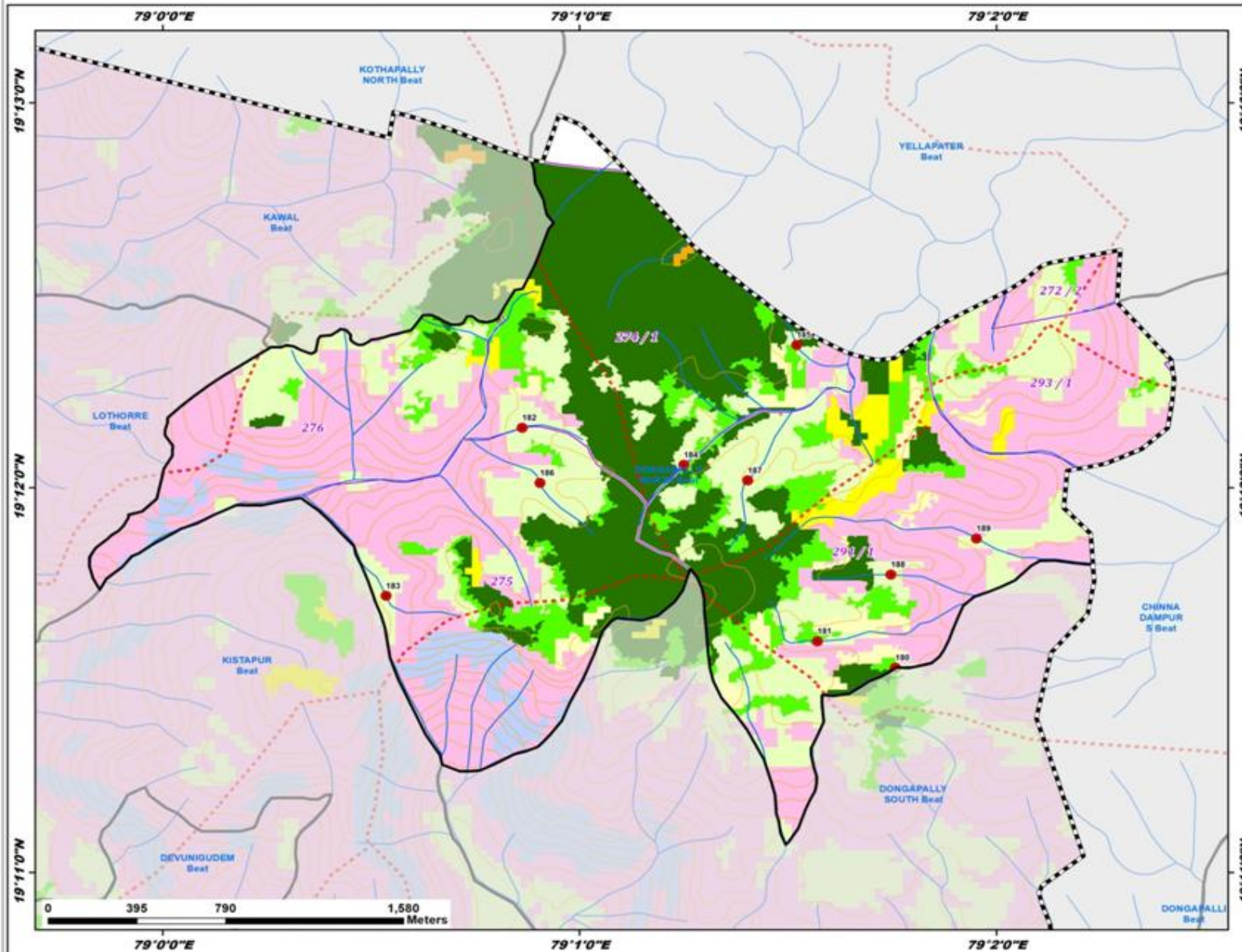
LEGEND

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

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



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area_Ha	Priority
180	19.192199	79.029283	11.08	II
181	19.193345	79.026170	13.83	IV
182	19.202594	79.014362	11.38	IV
183	19.195312	79.008922	8.29	IV
184	19.200983	79.020824	17.88	IV
185	19.206175	79.025339	10.96	IV
186	19.200205	79.015073	10.53	IV
187	19.200309	79.023382	11.08	IV
188	19.196232	79.029108	9.25	IV
189	19.197803	79.032527	40.29	V

Legend

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

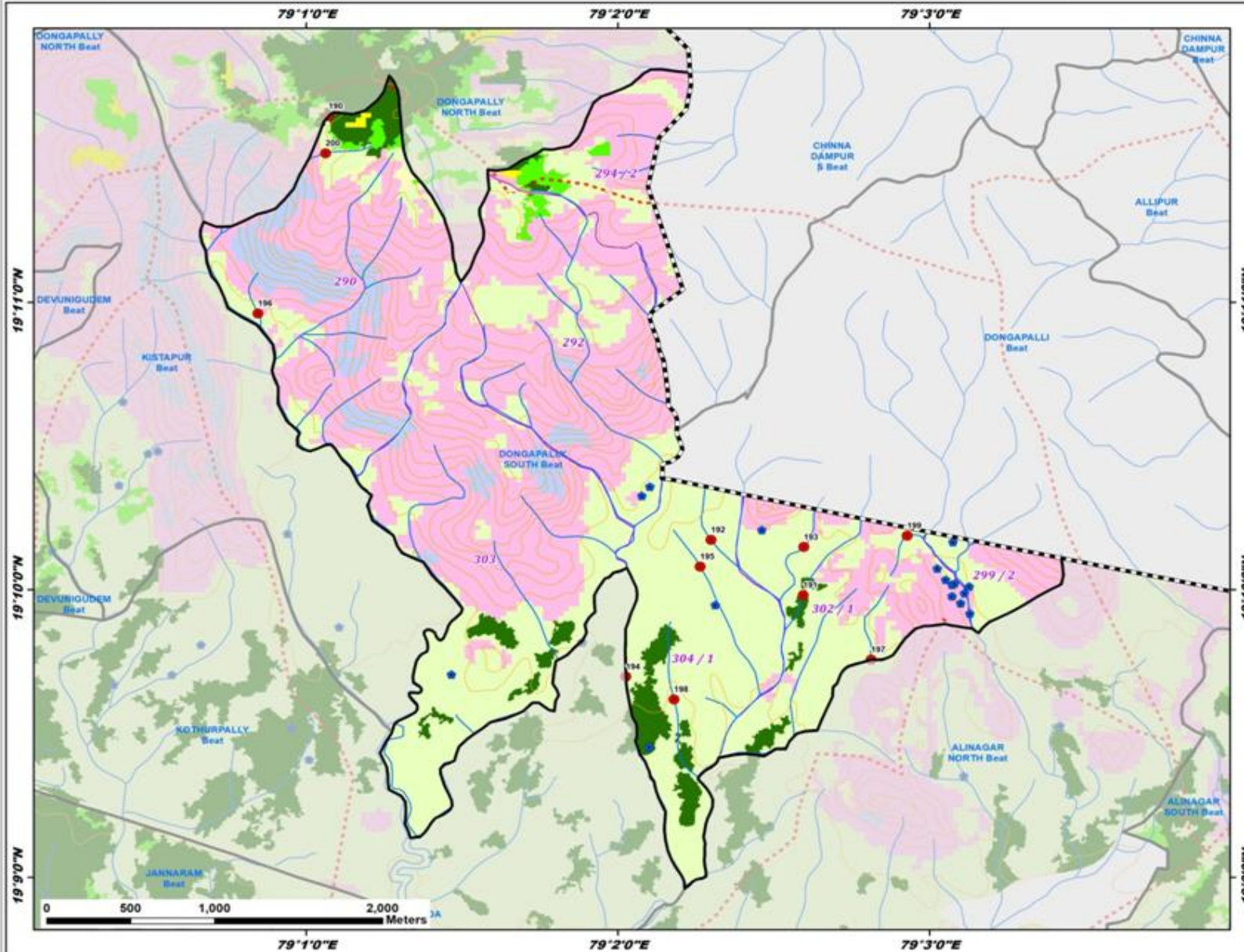
Suitability Index

- 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 Dongapally South Beat



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area_Ha	Priority
190	19.194110	79.017840	19.17	I
191	19.166356	79.043242	25.23	II
192	19.169558	79.038314	11.02	IV
193	19.169141	79.043279	11.22	IV
194	19.161633	79.033751	20.44	IV
195	19.168004	79.037724	7.94	IV
196	19.182688	79.014081	7.37	IV
197	19.162611	79.046864	13.42	IV
198	19.160310	79.036334	11.47	IV
199	19.169794	79.048795	6.86	IV
200	19.191962	79.017698	5.71	IV

Legend

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

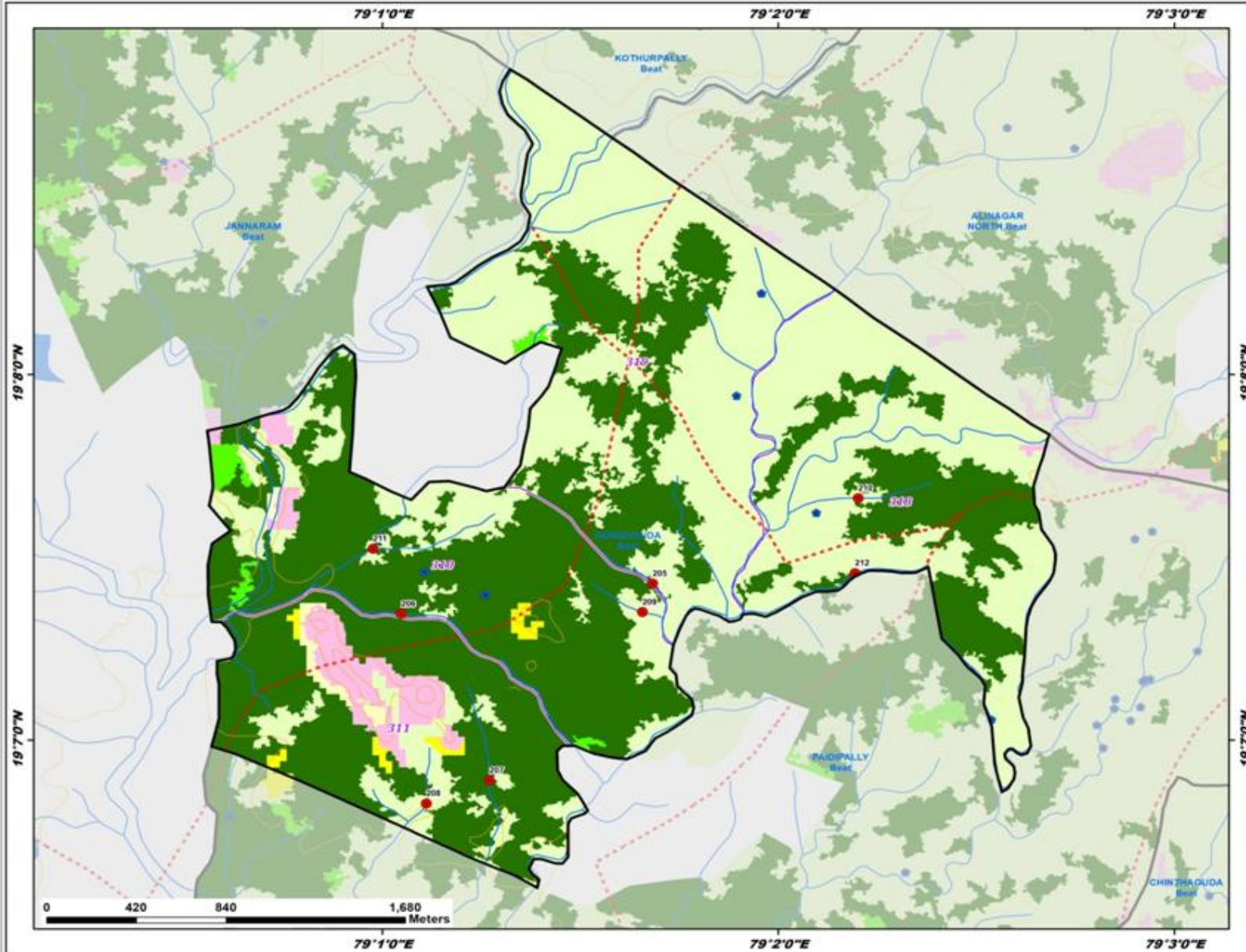
Suitability Index

- 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 Gonduguda Beat



Division : Jannaram
Range : Jannaram



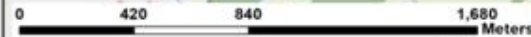
ID	Latitude	Longitude	Catchment Area_Ha	Priority
205	19.125798	79.028045	13.23	I
206	19.122421	79.017460	24.82	I
207	19.114821	79.021174	14.87	I
208	19.113772	79.018516	12.60	IV
209	19.122494	79.027612	12.05	IV
210	19.127692	79.036696	15.54	IV
211	19.125387	79.016275	49.60	V
212	19.124276	79.036562	28.57	V

Legend

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

Suitability Index

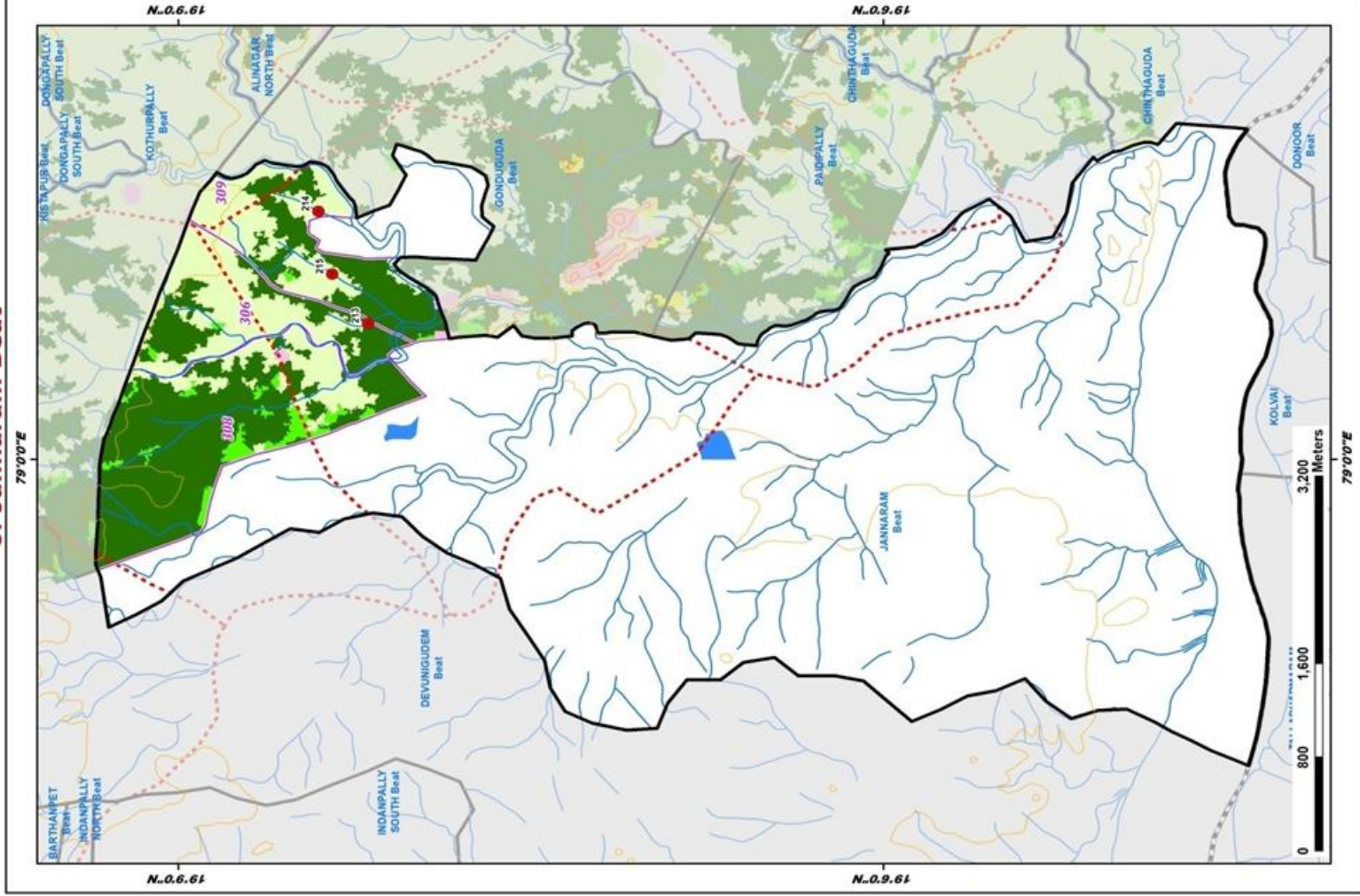
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPs - Suitable
- Not Suitable
- Water Body



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



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area Ha	Priority
213	19.136535	79.010493	11.71	I
214	19.140058	79.019094	15.32	IV
215	19.139071	79.014268	56.42	V

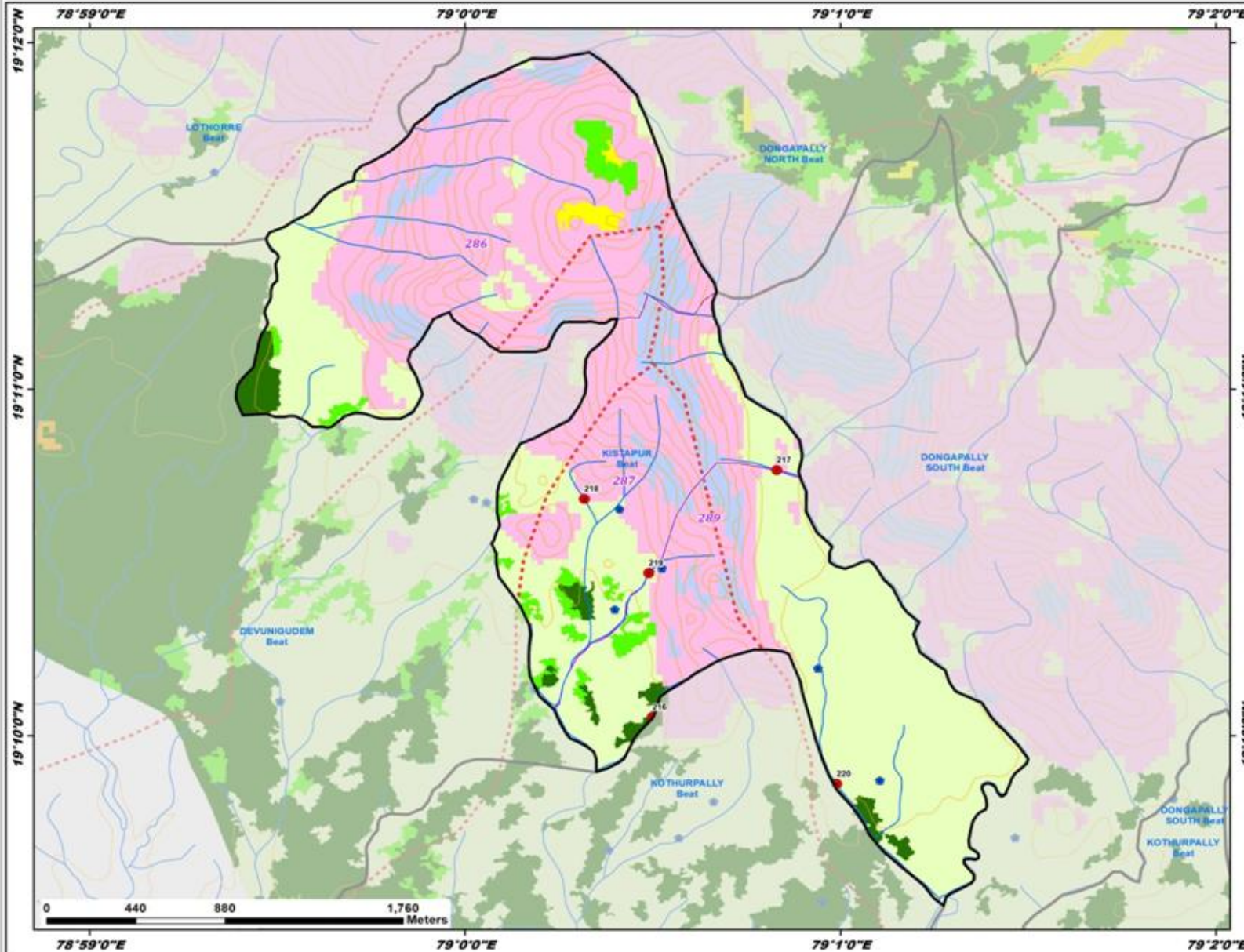
LEGEND

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

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



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area_Ha	Priority
216	19.167557	79.008306	14.18	I
217	19.179440	79.013834	8.23	IV
218	19.178051	79.005280	12.45	IV
219	19.174483	79.008149	9.49	IV
220	19.164342	79.016487	63.92	V

Legend

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

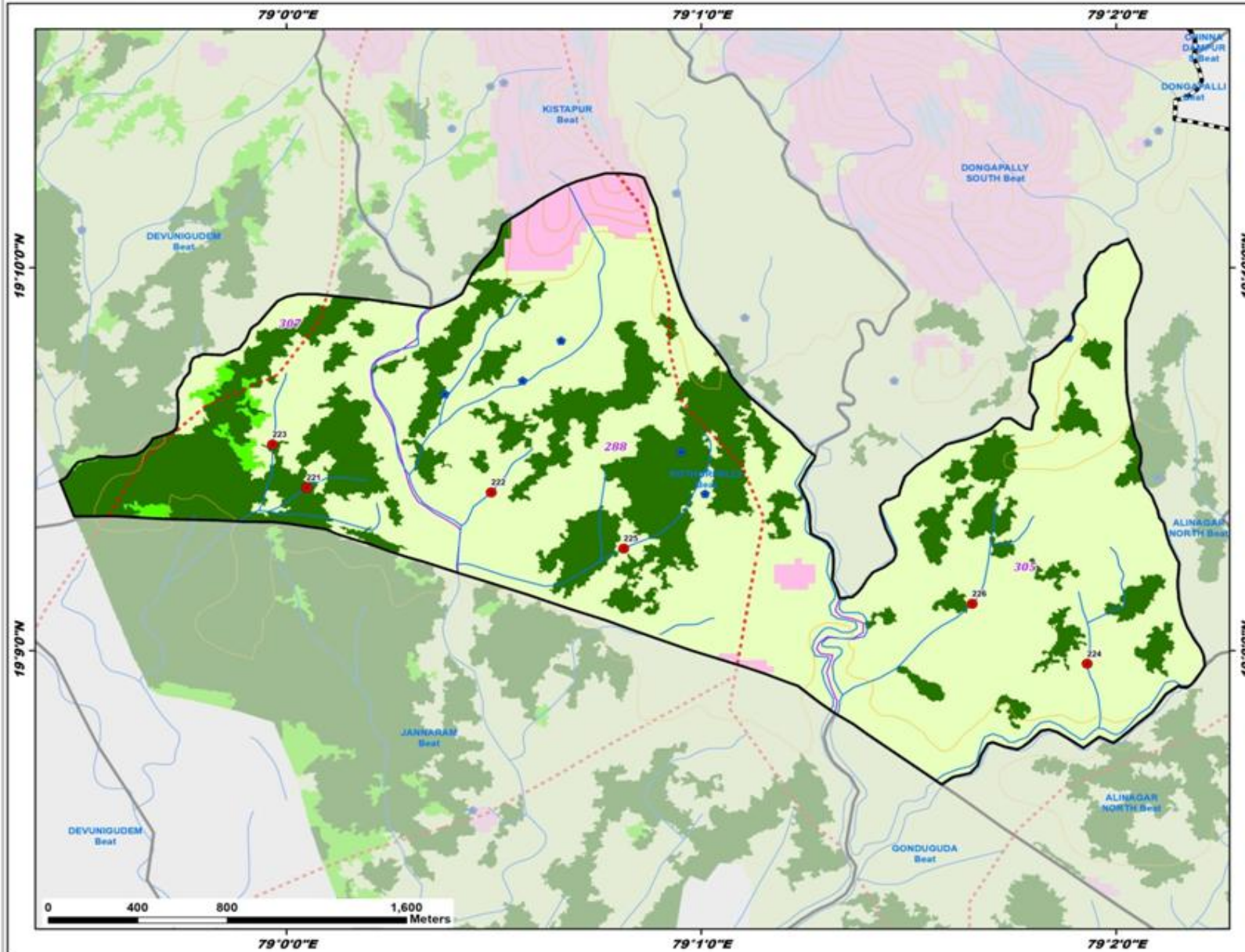
Suitability Index

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

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



Division : Jannaram
Range : Jannaram



ID	Latitude	Longitude	Catchment Area_Ha	Priority
221	19.157083	79.000809	12.51	I
222	19.156884	79.008226	15.91	IV
223	19.158961	78.999431	14.23	IV
224	19.149413	79.032163	36.67	V
225	19.154434	79.013551	34.86	V
226	19.152034	79.027549	34.88	V

Legend

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

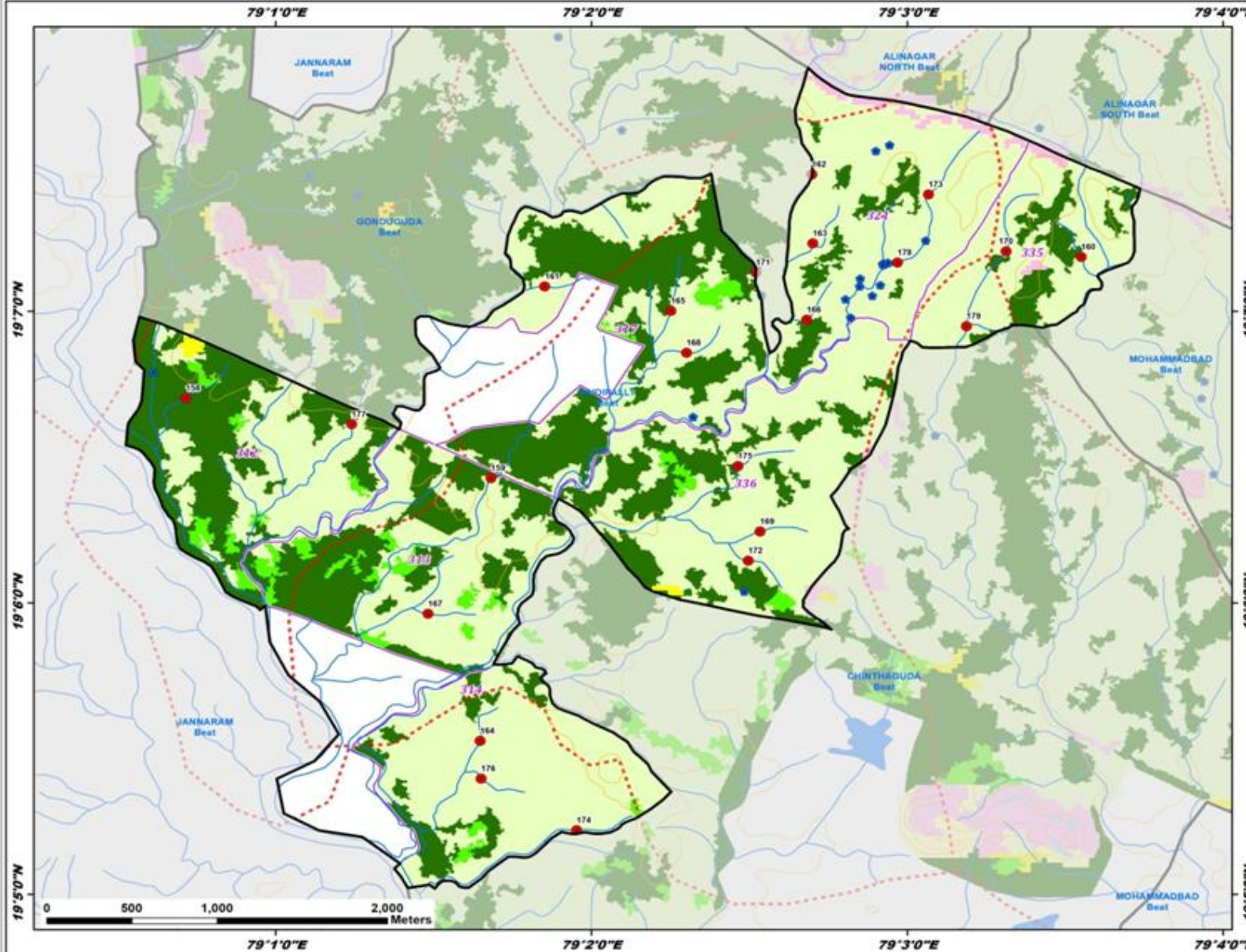
Suitability Index

- 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 Paidipally Beat



Division : Jannaram
Range : Jannaram

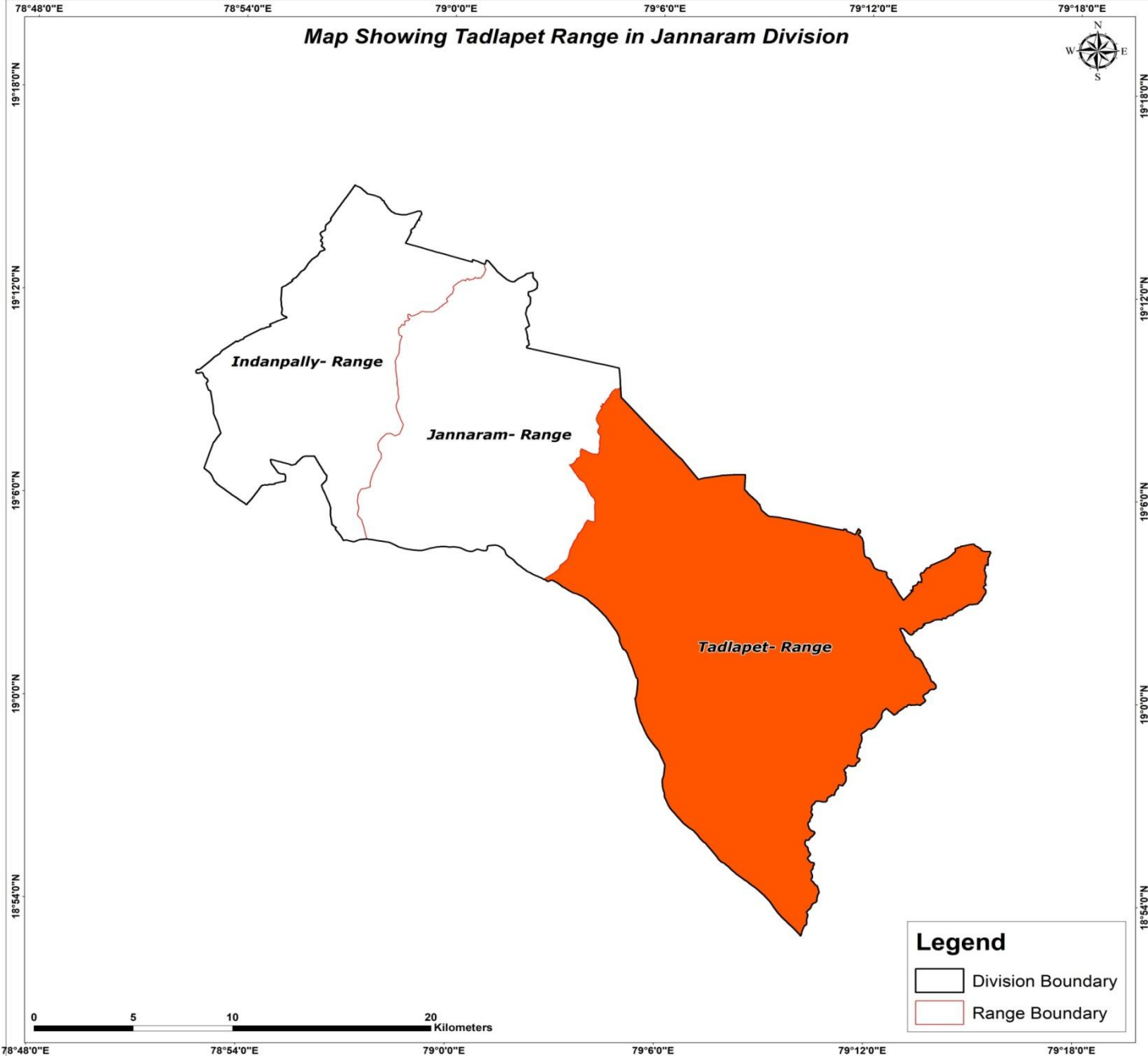


ID	Latitude	Longitude	Catchment Area_Ha	Priority
158	19.111697	79.011927	13.72	I
159	19.107129	79.028027	34.31	II
160	19.119781	79.059176	8.94	IV
161	19.118084	79.030865	16.97	IV
162	19.124491	79.044949	22.46	IV
163	19.120549	79.045008	15.46	IV
164	19.092101	79.027452	13.09	IV
165	19.116691	79.037511	13.68	IV
166	19.116185	79.044686	7.01	IV
167	19.099376	79.024698	8.01	IV
168	19.114295	79.038340	16.05	IV
169	19.104072	79.042224	15.84	IV
170	19.120092	79.055198	20.04	IV
171	19.118881	79.041998	11.77	IV
172	19.102408	79.041597	10.84	IV
173	19.123357	79.051111	20.55	IV
174	19.087000	79.032551	14.91	IV
175	19.107817	79.041059	27.81	V
176	19.089946	79.027499	25.06	V
177	19.110205	79.020669	33.94	V
178	19.119452	79.049478	43.49	V
179	19.115808	79.053122	43.04	V

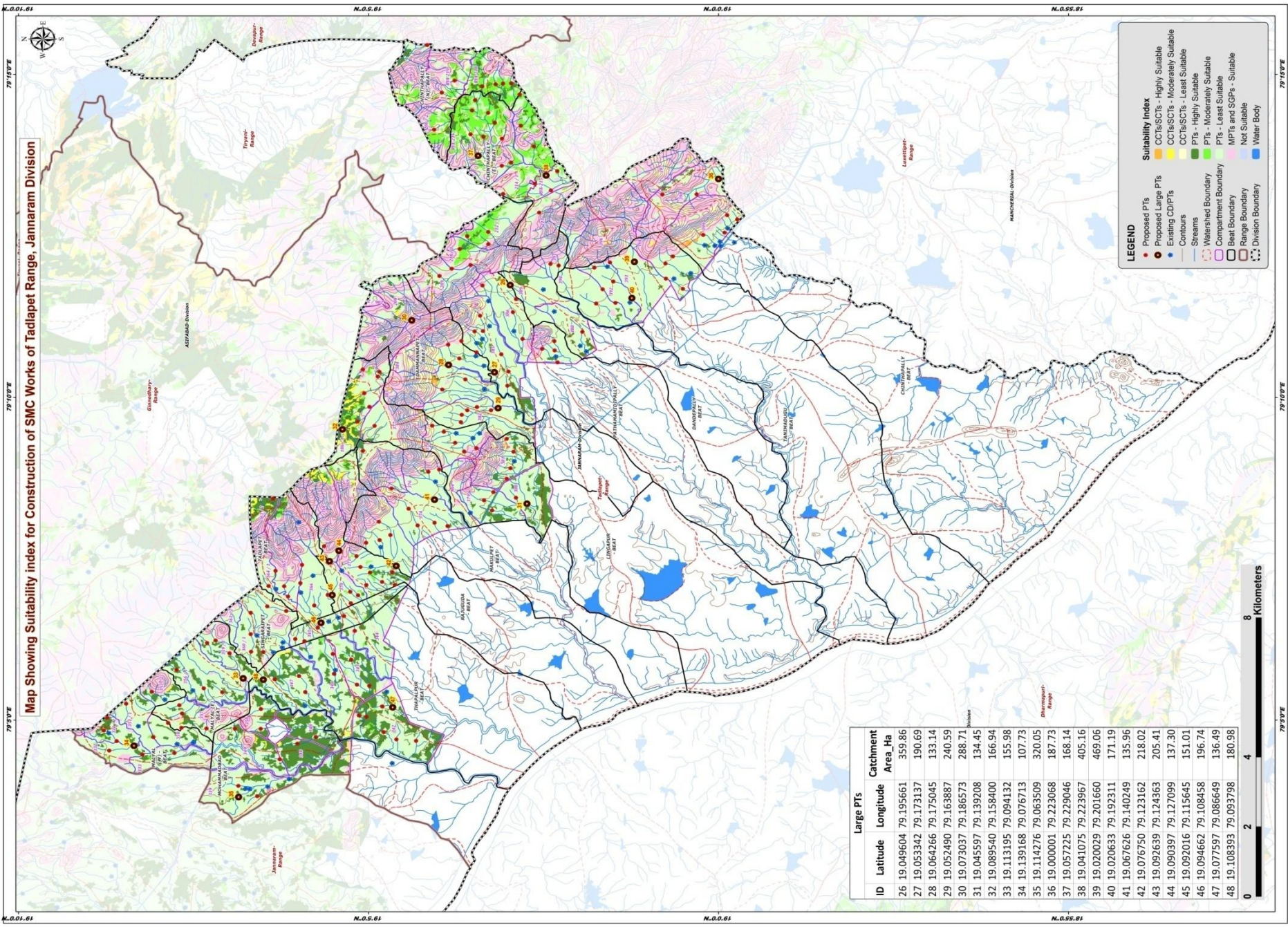
Legend

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

Map Showing Tadlapet Range in Jannaram Division



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



ID	Large PTs	Longitude	Catchment Area, Ha
26	19.049604	79.195661	359.86
27	19.053342	79.173137	190.69
28	19.064266	79.175045	133.14
29	19.052490	79.163887	240.59
30	19.073037	79.186573	288.71
31	19.045597	79.139708	134.45
32	19.089540	79.158400	166.94
33	19.113195	79.094132	155.98
34	19.139168	79.076713	107.73
35	19.114276	79.063509	320.05
36	19.000001	79.223068	187.73
37	19.057225	79.229046	168.14
38	19.041075	79.223967	405.16
39	19.020029	79.201660	469.06
40	19.020633	79.192311	171.19
41	19.067626	79.140249	135.96
42	19.076750	79.123162	218.02
43	19.092639	79.124363	205.41
44	19.090397	79.127099	137.30
45	19.092016	79.115645	151.01
46	19.094662	79.108458	196.74
47	19.077597	79.086649	136.49
48	19.108393	79.093798	180.98

0 2 4 8 Kilometers

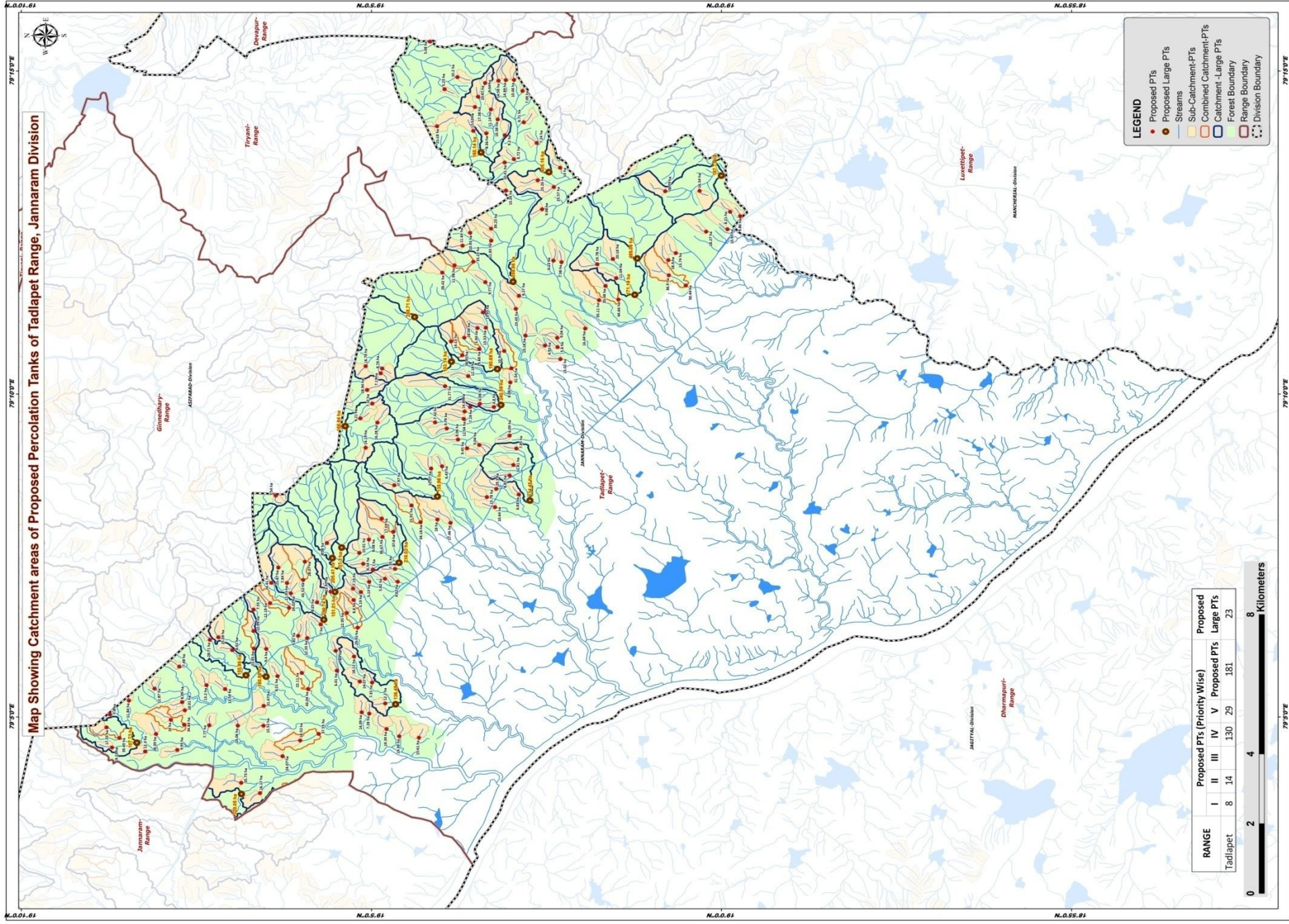
LEGEND

- Proposed PTs
- Existing CO/PTs
- Contours
- Streams
- Watershed Boundary
- Beal Boundary
- Range Boundary
- Division Boundary

Suitability Index

- CCIS/SCIS - Highly Suitable
- CCIS/SCIS - Moderately Suitable
- CCIS/SCIS - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SCPs - Suitable
- Not Suitable
- Water Body

Map Showing Catchment areas of Proposed Percolation Tanks of Tadlapet Range, Jannaram Division



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

RANGE	Proposed PTs (Priority Wise)					Proposed Large PTs
	I	II	III	IV	V	
Tadlapet	8	14	130	29	181	23



Beat wise Abstract of Proposed PT's – Tadlapet Range

S. No.	Beat	Proposed PT's
1	CHINTHAPALLY	6
2	CHINTHAPALLY EAST	17
3	CHINTHAPALLY NORTH	8
4	DAMMANNAPET	11
5	DANDEPALLY	3
6	LINGAPUR	20
7	MAKULPET	12
8	MALYAL EAST	10
9	MALYAL WEST	10
10	MOHAMMADBAD	8
11	PATHAMAMIDIPALLY	21
12	RAJUGUDA	11
13	SINGARAIPET	10
14	TADLAPET	9
15	TANIMADUGU	10
16	THAPALPUR	15
	Total	181

List of Proposed PTs – Tadlapet 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
227	19.032418	79.183591	16.44	IV	DANDEPALLY	267	19.068169	79.159374	7.42	IV	LINGAPUR	307	19.100290	79.077281	18.53	IV	MOHAMMADBAD
228	19.038067	79.200717	7.38	IV	DANDEPALLY	268	19.050443	79.155986	6.09	IV	LINGAPUR	308	19.114320	79.066390	35.73	V	MOHAMMADBAD
229	19.040005	79.201118	9.23	IV	DANDEPALLY	269	19.083112	79.164226	7.12	IV	LINGAPUR	309	19.095879	79.079015	37.55	V	MOHAMMADBAD
230	19.039108	79.181207	9.04	IV	PATHAMAMIDIPALLY	270	19.062707	79.154950	8.08	IV	LINGAPUR	310	19.005210	79.219117	16.54	IV	CHINTHAPALLY
231	19.041999	79.179205	4.92	IV	PATHAMAMIDIPALLY	271	19.081908	79.159319	14.28	IV	LINGAPUR	311	19.003630	79.208604	18.27	IV	CHINTHAPALLY
232	19.039020	79.178795	5.60	IV	PATHAMAMIDIPALLY	272	19.084342	79.167758	18.94	IV	LINGAPUR	312	18.998539	79.209197	10.97	IV	CHINTHAPALLY
233	19.038314	79.175715	15.02	IV	PATHAMAMIDIPALLY	273	19.081112	79.172071	7.13	IV	LINGAPUR	313	18.997929	79.213713	8.21	IV	CHINTHAPALLY
234	19.059821	79.208293	10.93	IV	PATHAMAMIDIPALLY	274	19.049523	79.148390	11.81	IV	LINGAPUR	314	18.995519	79.212602	9.86	IV	CHINTHAPALLY
235	19.058079	79.183716	5.94	IV	PATHAMAMIDIPALLY	275	19.065385	79.157812	9.79	IV	LINGAPUR	315	19.013358	79.219017	28.79	V	CHINTHAPALLY
236	19.056759	79.187752	13.93	IV	PATHAMAMIDIPALLY	276	19.050427	79.145664	8.87	IV	LINGAPUR	316	19.038384	79.225071	14.00	II	CHINTHAPALLY EAST
237	19.056073	79.183799	13.53	IV	PATHAMAMIDIPALLY	277	19.048789	79.152638	7.85	IV	LINGAPUR	317	19.047072	79.236828	8.71	II	CHINTHAPALLY EAST
238	19.051708	79.177793	10.90	IV	PATHAMAMIDIPALLY	278	19.055820	79.140115	15.78	IV	LINGAPUR	318	19.055971	79.233968	8.36	II	CHINTHAPALLY EAST
239	19.054785	79.206251	11.83	IV	PATHAMAMIDIPALLY	279	19.053918	79.137497	10.64	IV	LINGAPUR	319	19.043977	79.231485	7.24	II	CHINTHAPALLY EAST
240	19.050258	79.169701	8.08	IV	PATHAMAMIDIPALLY	280	19.048241	79.140771	8.83	IV	LINGAPUR	320	19.053243	79.237550	10.38	II	CHINTHAPALLY EAST
241	19.063538	79.199893	11.98	IV	PATHAMAMIDIPALLY	281	19.053601	79.142226	29.30	V	LINGAPUR	321	19.047355	79.244890	7.08	II	CHINTHAPALLY EAST
242	19.046670	79.181760	13.18	IV	PATHAMAMIDIPALLY	282	19.121935	79.081199	7.77	IV	MALYAL EAST	322	19.057926	79.243400	10.87	II	CHINTHAPALLY EAST
243	19.056198	79.195551	9.77	IV	PATHAMAMIDIPALLY	283	19.122574	79.091572	13.20	IV	MALYAL EAST	323	19.049392	79.227281	8.72	II	CHINTHAPALLY EAST
244	19.048932	79.188672	23.45	IV	PATHAMAMIDIPALLY	284	19.129059	79.096352	7.48	IV	MALYAL EAST	324	19.058682	79.240747	17.38	II	CHINTHAPALLY EAST
245	19.048212	79.192041	8.27	IV	PATHAMAMIDIPALLY	285	19.116432	79.100614	8.91	IV	MALYAL EAST	325	19.054856	79.240131	11.14	II	CHINTHAPALLY EAST
246	19.061612	79.204985	11.64	IV	PATHAMAMIDIPALLY	286	19.127758	79.085096	10.01	IV	MALYAL EAST	326	19.043706	79.221847	23.26	IV	CHINTHAPALLY EAST
247	19.066435	79.198014	28.42	V	PATHAMAMIDIPALLY	287	19.128370	79.087192	8.09	IV	MALYAL EAST	327	19.051563	79.233474	9.20	IV	CHINTHAPALLY EAST
248	19.054818	79.209379	39.23	V	PATHAMAMIDIPALLY	288	19.118153	79.090563	11.54	IV	MALYAL EAST	328	19.059042	79.234581	17.52	IV	CHINTHAPALLY EAST
249	19.059050	79.200852	33.23	V	PATHAMAMIDIPALLY	289	19.121792	79.103282	28.71	V	MALYAL EAST	329	19.051608	79.226445	10.41	IV	CHINTHAPALLY EAST
250	19.050012	79.173338	31.54	V	PATHAMAMIDIPALLY	290	19.119748	79.103930	25.09	V	MALYAL EAST	330	19.051281	79.219194	13.26	IV	CHINTHAPALLY EAST
251	19.064361	79.180292	14.13	IV	DAMMANNAPET	291	19.127903	79.081359	34.84	V	MALYAL EAST	331	19.042680	79.214385	9.98	IV	CHINTHAPALLY EAST
252	19.054159	79.163356	4.80	IV	DAMMANNAPET	292	19.145079	79.075497	9.22	IV	MALYAL WEST	332	19.039890	79.220121	25.57	V	CHINTHAPALLY EAST
253	19.057504	79.164167	6.08	IV	DAMMANNAPET	293	19.137176	79.074464	12.30	IV	MALYAL WEST	333	19.049377	79.247755	10.48	I	CHINTHAPALLY (N)
254	19.060286	79.171305	12.18	IV	DAMMANNAPET	294	19.146403	79.080695	17.55	IV	MALYAL WEST	334	19.056248	79.246964	9.34	II	CHINTHAPALLY (N)
255	19.059816	79.163342	7.14	IV	DAMMANNAPET	295	19.129540	79.074874	9.95	IV	MALYAL WEST	335	19.051328	79.247691	14.89	II	CHINTHAPALLY (N)
256	19.061226	79.181234	18.04	IV	DAMMANNAPET	296	19.145576	79.083993	7.40	IV	MALYAL WEST	336	19.062837	79.248474	10.20	II	CHINTHAPALLY (N)
257	19.061143	79.162187	14.89	IV	DAMMANNAPET	297	19.131071	79.082641	16.00	IV	MALYAL WEST	337	19.065898	79.245349	5.23	IV	CHINTHAPALLY (N)
258	19.061337	79.160257	11.54	IV	DAMMANNAPET	298	19.141046	79.087608	11.84	IV	MALYAL WEST	338	19.069353	79.257631	5.08	IV	CHINTHAPALLY (N)
259	19.065781	79.168703	31.77	V	DAMMANNAPET	299	19.134955	79.090689	12.87	IV	MALYAL WEST	339	19.067712	79.235782	21.18	IV	CHINTHAPALLY (N)
260	19.061706	79.176711	28.45	V	DAMMANNAPET	300	19.134612	79.078981	28.39	V	MALYAL WEST	340	19.053086	79.247512	14.58	IV	CHINTHAPALLY (N)
261	19.057627	79.178320	29.68	V	DAMMANNAPET	301	19.143329	79.077943	39.49	V	MALYAL WEST	341	19.027601	79.194587	20.38	IV	TANIMADUGU
262	19.085956	79.160409	9.21	I	LINGAPUR	302	19.115134	79.081119	14.06	I	MOHAMMADBAD	342	19.010864	79.203080	13.74	IV	TANIMADUGU
263	19.080761	79.173291	8.74	IV	LINGAPUR	303	19.104479	79.073239	24.07	IV	MOHAMMADBAD	343	19.012616	79.201250	18.90	IV	TANIMADUGU
264	19.057644	79.153543	9.04	IV	LINGAPUR	304	19.109020	79.081123	15.52	IV	MOHAMMADBAD	344	19.029570	79.200173	19.78	IV	TANIMADUGU
265	19.060580	79.152685	9.45	IV	LINGAPUR	305	19.108967	79.086229	21.67	IV	MOHAMMADBAD	345	19.025033	79.196593	11.04	IV	TANIMADUGU
266	19.084693	79.173896	16.78	IV	LINGAPUR	306	19.109844	79.063729	16.17	IV	MOHAMMADBAD	346	19.025855	79.201525	20.18	IV	TANIMADUGU

List of Proposed PTs – Tadlapet Range

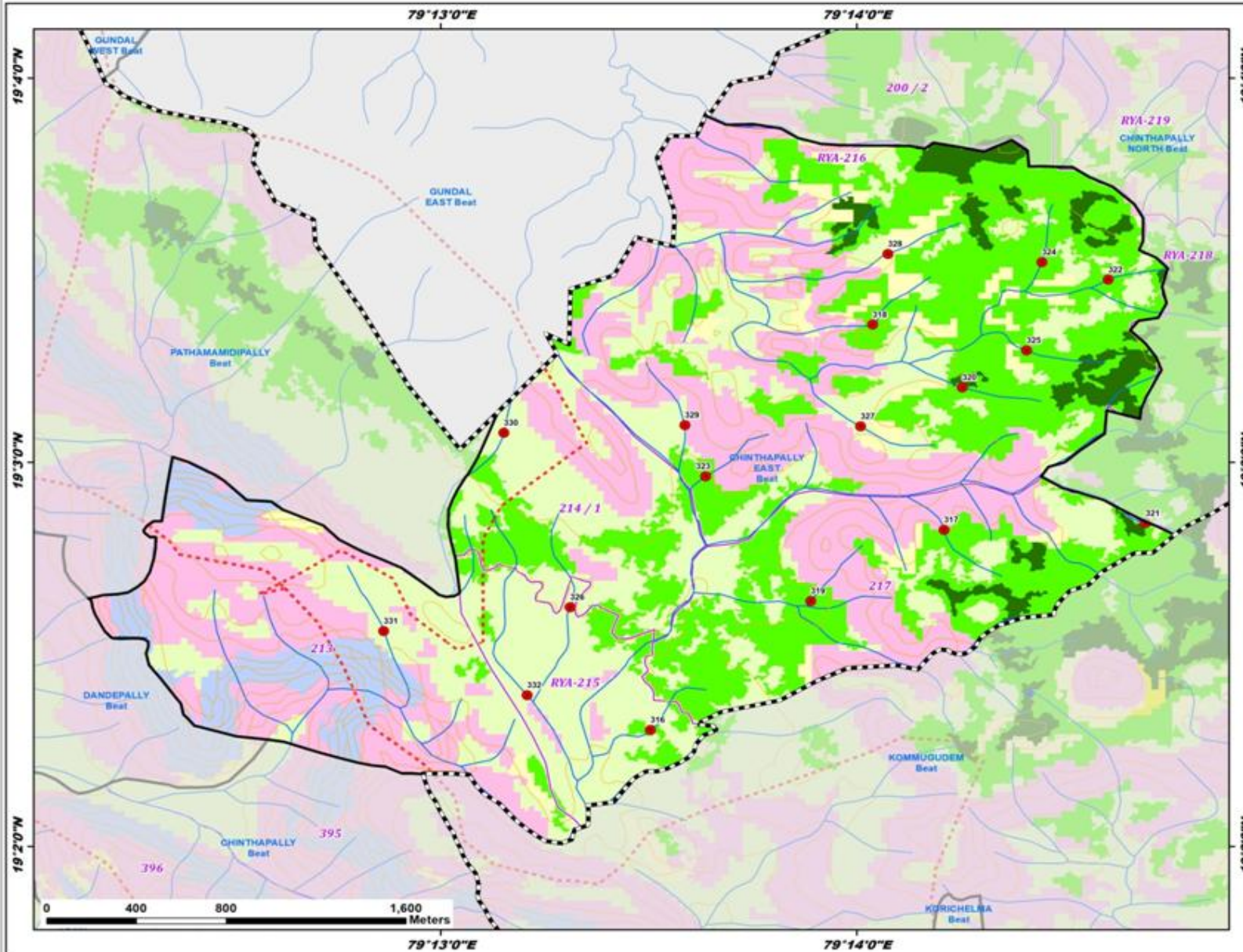
ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
347	19.012523	79.197334	36.90	V	TANIMADUGU
348	19.029130	79.190900	35.11	V	TANIMADUGU
349	19.024538	79.191088	44.66	V	TANIMADUGU
350	19.008478	79.194708	50.44	V	TANIMADUGU
351	19.066520	79.148045	6.43	IV	MAKULPET
352	19.069098	79.147483	12.07	IV	MAKULPET
353	19.084706	79.152852	14.19	IV	MAKULPET
354	19.080864	79.134580	17.03	IV	MAKULPET
355	19.083932	79.129147	8.38	IV	MAKULPET
356	19.073782	79.137927	15.91	IV	MAKULPET
357	19.077858	79.143165	7.97	IV	MAKULPET
358	19.067630	79.134311	18.00	IV	MAKULPET
359	19.080711	79.129828	36.67	V	MAKULPET
360	19.064511	79.133455	27.46	V	MAKULPET
361	19.078133	79.131145	37.80	V	MAKULPET
362	19.071639	79.133630	34.18	V	MAKULPET
363	19.082984	79.121427	7.00	II	RAJUGUDA
364	19.087686	79.116486	7.19	IV	RAJUGUDA
365	19.077062	79.118260	4.62	IV	RAJUGUDA
366	19.085827	79.115569	5.19	IV	RAJUGUDA
367	19.086207	79.125682	10.01	IV	RAJUGUDA
368	19.077699	79.121571	7.35	IV	RAJUGUDA
369	19.080097	79.119039	5.82	IV	RAJUGUDA
370	19.085276	79.122880	6.54	IV	RAJUGUDA
371	19.093922	79.128263	8.98	IV	RAJUGUDA
372	19.083877	79.118222	5.13	IV	RAJUGUDA
373	19.087543	79.113530	8.80	IV	RAJUGUDA
374	19.106120	79.140494	7.54	I	TADLAPET
375	19.105474	79.121916	21.87	IV	TADLAPET
376	19.096256	79.112949	8.25	IV	TADLAPET
377	19.093021	79.115702	13.92	IV	TADLAPET
378	19.107144	79.117968	24.41	IV	TADLAPET
379	19.102518	79.115278	11.93	IV	TADLAPET
380	19.103432	79.117933	7.84	IV	TADLAPET
381	19.099171	79.123422	28.07	V	TADLAPET
382	19.099573	79.118727	43.52	V	TADLAPET
383	19.107455	79.112724	12.19	IV	SINGARAIKET
384	19.100758	79.104296	5.82	IV	SINGARAIKET
385	19.095403	79.107247	7.00	IV	SINGARAIKET
386	19.098610	79.103739	12.33	IV	SINGARAIKET

ID	Latitude	Longitude	Catchment Area_Ha	Priority	Beat
387	19.108367	79.100943	9.40	IV	SINGARAIKET
388	19.111389	79.111075	7.55	IV	SINGARAIKET
389	19.089171	79.110216	12.95	IV	SINGARAIKET
390	19.111386	79.105564	12.99	IV	SINGARAIKET
391	19.111308	79.101019	23.85	IV	SINGARAIKET
392	19.102947	79.111520	24.02	IV	SINGARAIKET
393	19.087451	79.098965	18.12	I	THAPALPUR
394	19.085639	79.084565	14.09	I	THAPALPUR
395	19.083831	79.084233	7.28	I	THAPALPUR
396	19.105688	79.093909	8.21	I	THAPALPUR
397	19.080042	79.086867	12.20	IV	THAPALPUR
398	19.072016	79.078015	15.61	IV	THAPALPUR
399	19.083163	79.092264	7.35	IV	THAPALPUR
400	19.079716	79.080269	19.39	IV	THAPALPUR
401	19.091537	79.095310	6.01	IV	THAPALPUR
402	19.091820	79.100445	7.69	IV	THAPALPUR
403	19.099892	79.094736	22.11	IV	THAPALPUR
404	19.076685	79.078361	19.39	IV	THAPALPUR
405	19.086081	79.092512	14.07	IV	THAPALPUR
406	19.086609	79.106398	29.91	V	THAPALPUR
407	19.098408	79.090589	43.04	V	THAPALPUR

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



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
316	19.038384	79.225071	14.00	II
317	19.047072	79.236828	8.71	II
318	19.055971	79.233968	8.36	II
319	19.043977	79.231485	7.24	II
320	19.053243	79.237550	10.38	II
321	19.047355	79.244890	7.08	II
322	19.057926	79.243400	10.87	II
323	19.049392	79.227281	8.72	II
324	19.058682	79.240747	17.38	II
325	19.054856	79.240131	11.14	II
326	19.043706	79.221847	23.26	IV
327	19.051563	79.233474	9.20	IV
328	19.059042	79.234581	17.52	IV
329	19.051608	79.226445	10.41	IV
330	19.051281	79.219194	13.26	IV
331	19.042580	79.214385	9.98	IV
332	19.039890	79.220121	25.57	V

Legend

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

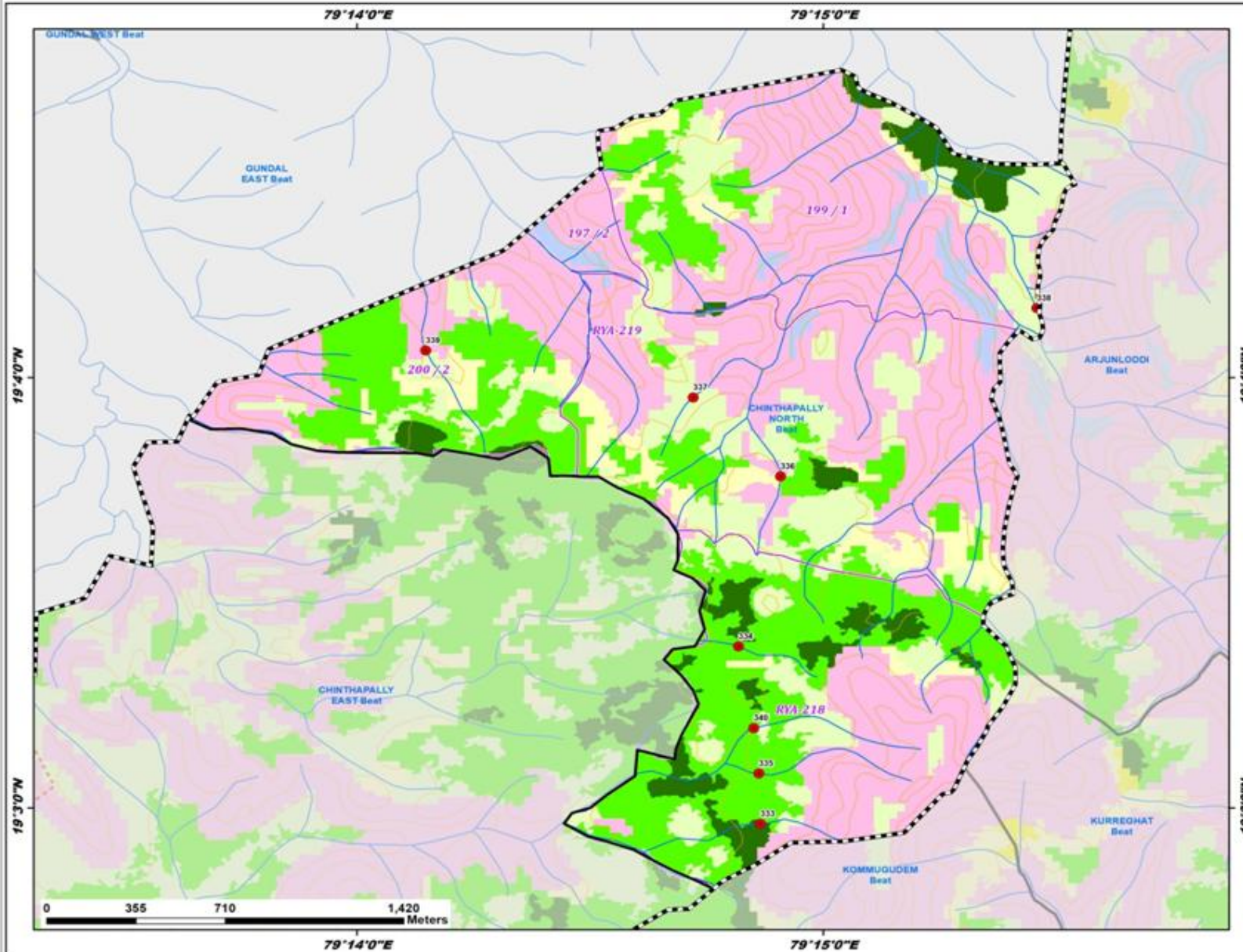
Suitability Index

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

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



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
333	19.049377	79.247755	10.48	I
334	19.056248	79.246964	9.34	II
335	19.051328	79.247691	14.89	II
336	19.062837	79.248474	10.20	II
337	19.065898	79.245349	5.23	IV
338	19.069353	79.257631	5.08	IV
339	19.067712	79.235782	21.18	IV
340	19.053086	79.247512	14.58	IV

Legend

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

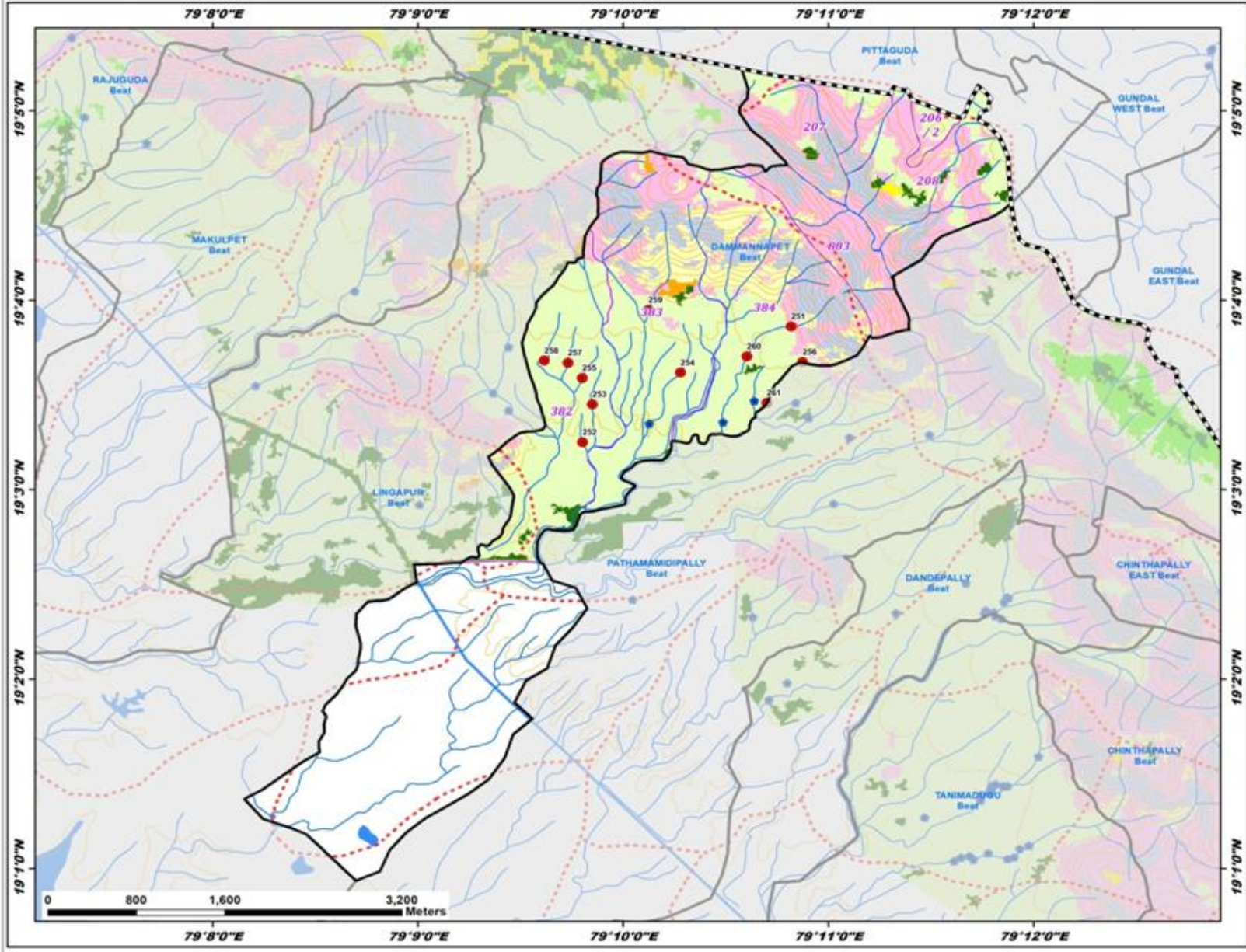
Suitability Index

- 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 Dammannapet Beat



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
251	19.064361	79.180292	14.13	IV
252	19.054159	79.163356	4.80	IV
253	19.057504	79.164167	6.08	IV
254	19.060286	79.171305	12.18	IV
255	19.059816	79.163342	7.14	IV
256	19.061226	79.181234	18.04	IV
257	19.061143	79.162187	14.89	IV
258	19.061337	79.160257	11.54	IV
259	19.065781	79.168703	31.77	V
260	19.061706	79.176711	28.45	V
261	19.057627	79.178320	29.68	V

Legend

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

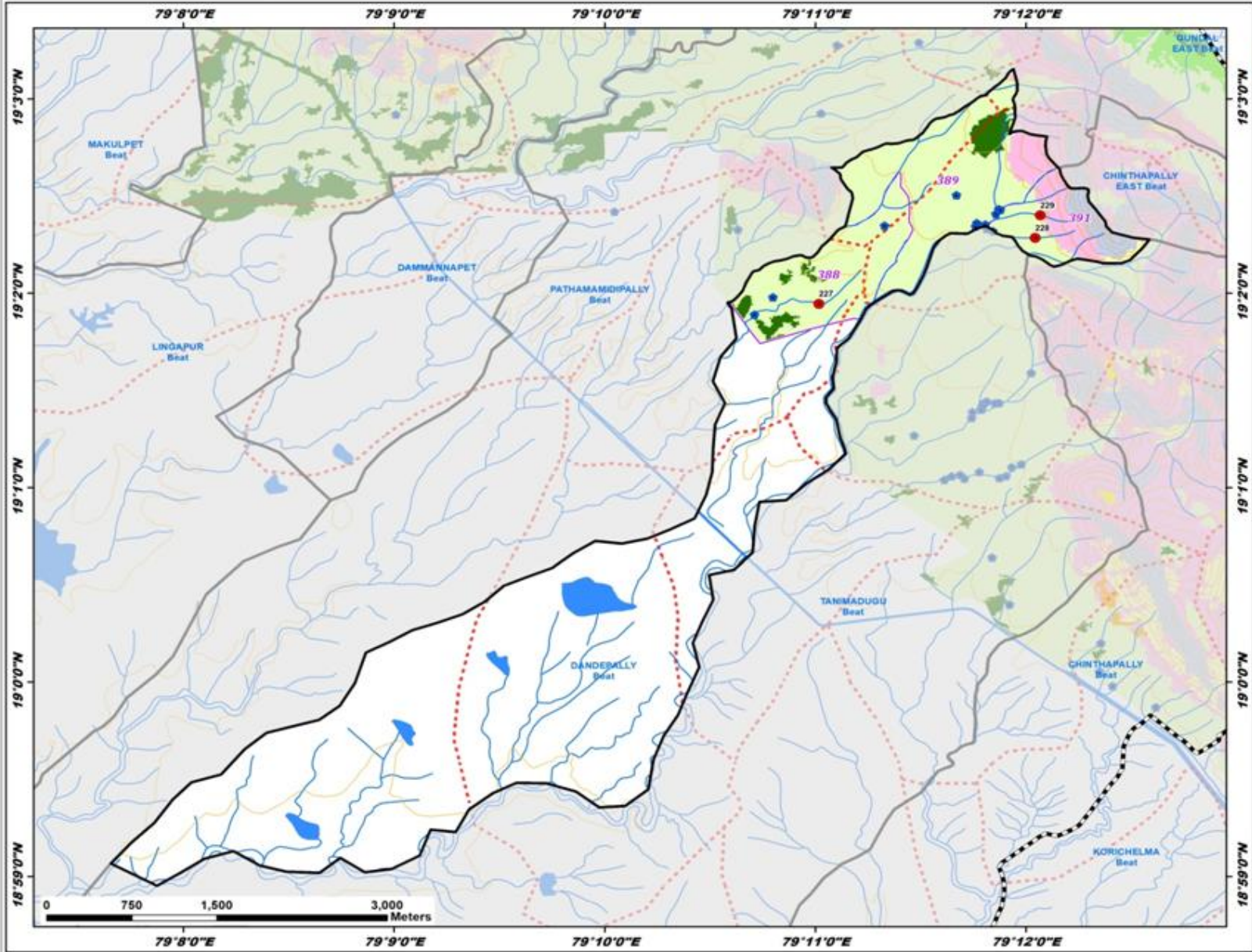
Suitability Index

- 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 Dandepally Beat



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
227	19.032418	79.183591	16.44	IV
228	19.038067	79.200717	7.38	IV
229	19.040005	79.201118	9.23	IV

Legend

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

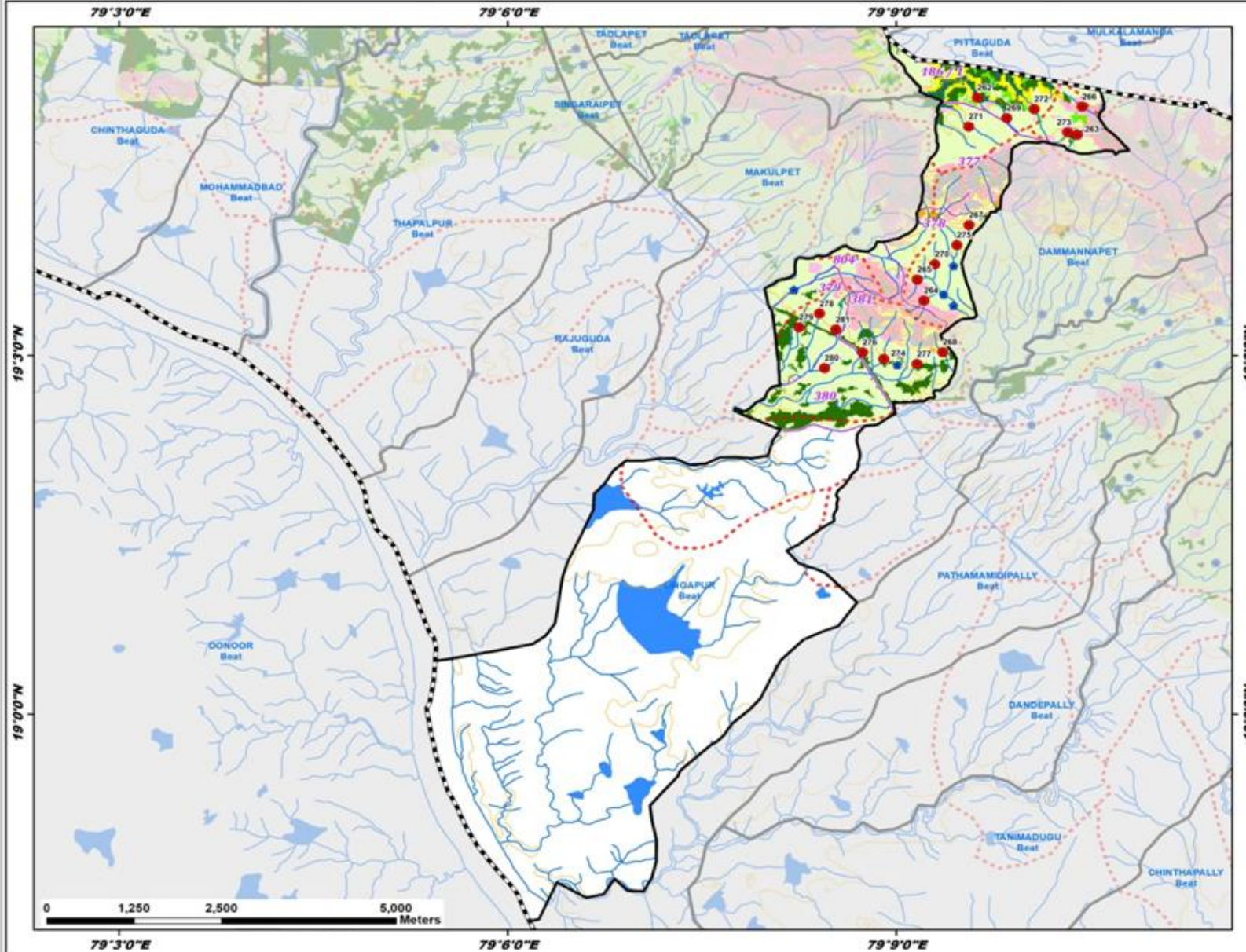
Suitability Index

- 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 Lingapur Beat



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
262	19.085956	79.160409	9.21	I
263	19.080761	79.173291	8.74	IV
264	19.057644	79.153543	9.04	IV
265	19.060580	79.152685	9.45	IV
266	19.094693	79.173896	16.78	IV
267	19.068169	79.159374	7.42	IV
268	19.050443	79.155986	6.09	IV
269	19.083112	79.164226	7.12	IV
270	19.062707	79.154950	8.08	IV
271	19.081908	79.159319	14.28	IV
272	19.084342	79.167758	18.94	IV
273	19.081112	79.172071	7.13	IV
274	19.049523	79.148390	11.81	IV
275	19.065385	79.157812	9.79	IV
276	19.050427	79.145664	8.87	IV
277	19.048789	79.152638	7.85	IV
278	19.055820	79.140115	15.78	IV
279	19.053918	79.137497	10.64	IV
280	19.048241	79.140771	8.83	IV
281	19.053601	79.142226	29.30	V

Legend

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

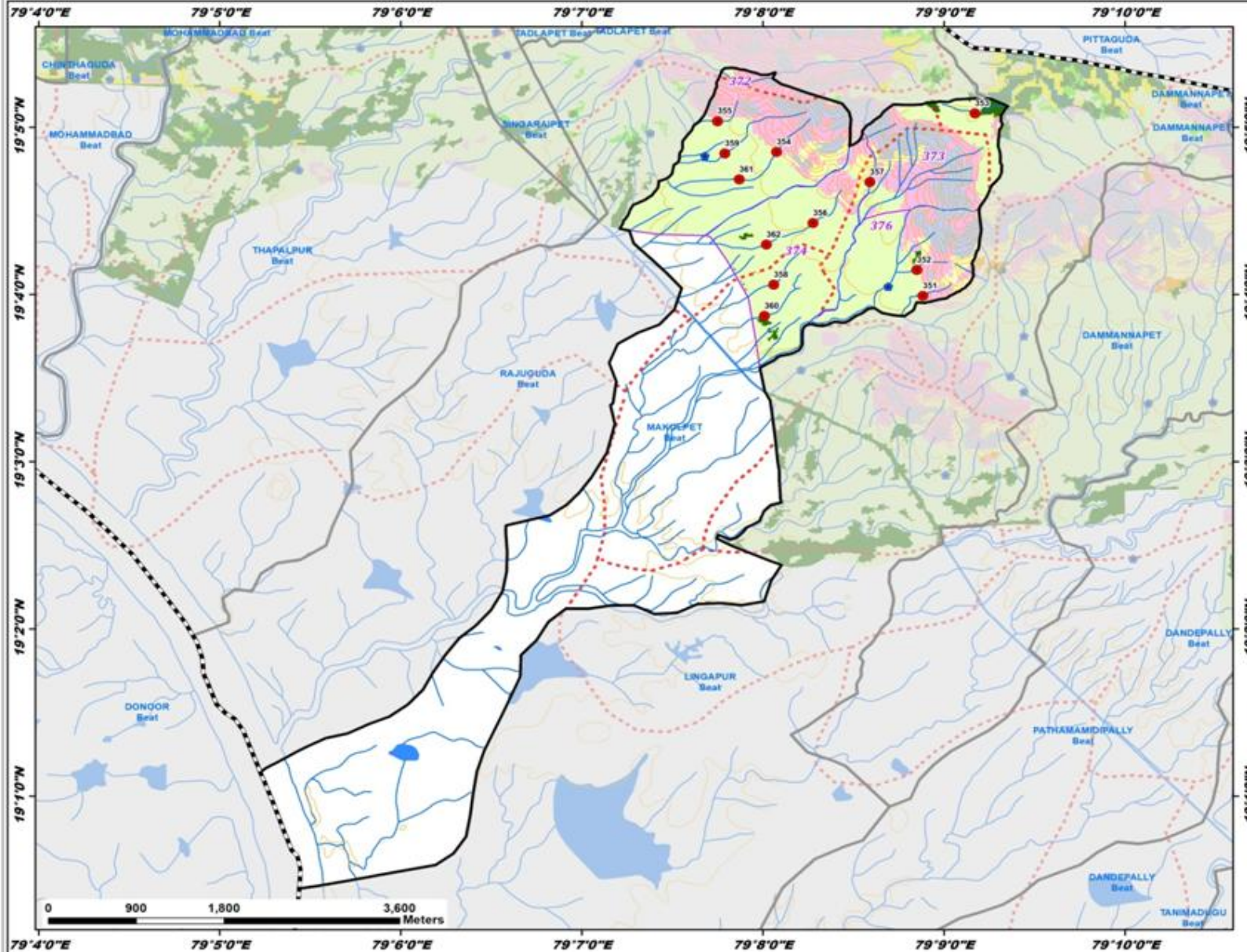
Suitability Index

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

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



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
351	19.066520	79.148045	6.43	IV
352	19.069098	79.147483	12.07	IV
353	19.084706	79.152852	14.19	IV
354	19.080864	79.134580	17.03	IV
355	19.083932	79.129147	8.38	IV
356	19.073782	79.137927	15.91	IV
357	19.077858	79.143165	7.97	IV
358	19.067630	79.134311	18.00	IV
359	19.080711	79.129828	36.67	V
360	19.064511	79.133455	27.46	V
361	19.078133	79.131145	37.80	V
362	19.071639	79.133630	34.18	V

Legend

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

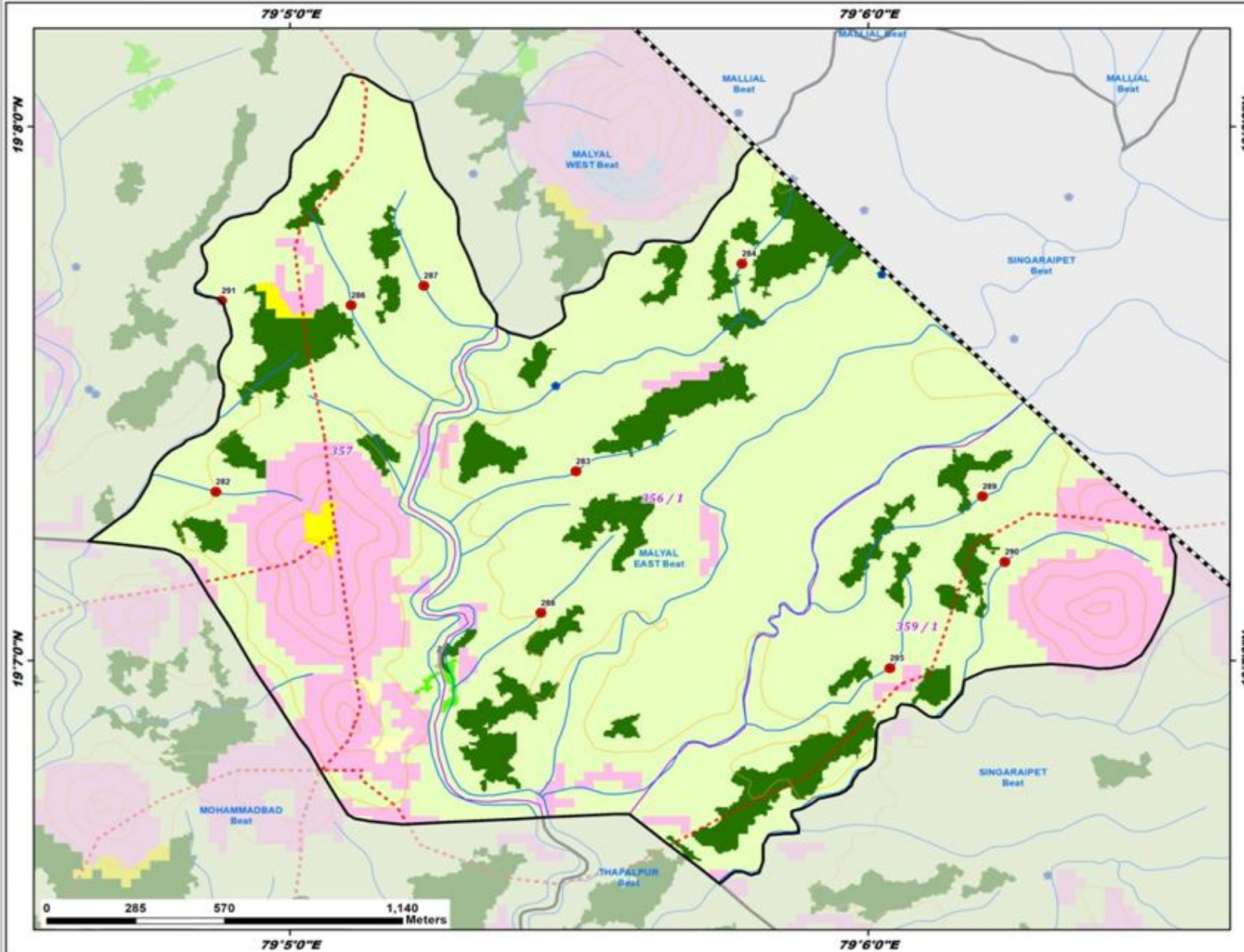
Suitability Index

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

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



Division : Jannaram
Range : Tadlapet



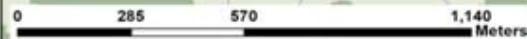
ID	Latitude	Longitude	Catchment Area_Ha	Priority
282	19.121935	79.081199	7.77	IV
283	19.122574	79.091572	13.20	IV
284	19.129059	79.096352	7.48	IV
285	19.116432	79.100614	8.91	IV
286	19.127758	79.085096	10.01	IV
287	19.128370	79.087192	8.09	IV
288	19.118153	79.090563	11.54	IV
289	19.121792	79.103282	28.71	V
290	19.119748	79.103930	25.09	V
291	19.127903	79.081359	34.84	V

Legend

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

Suitability Index

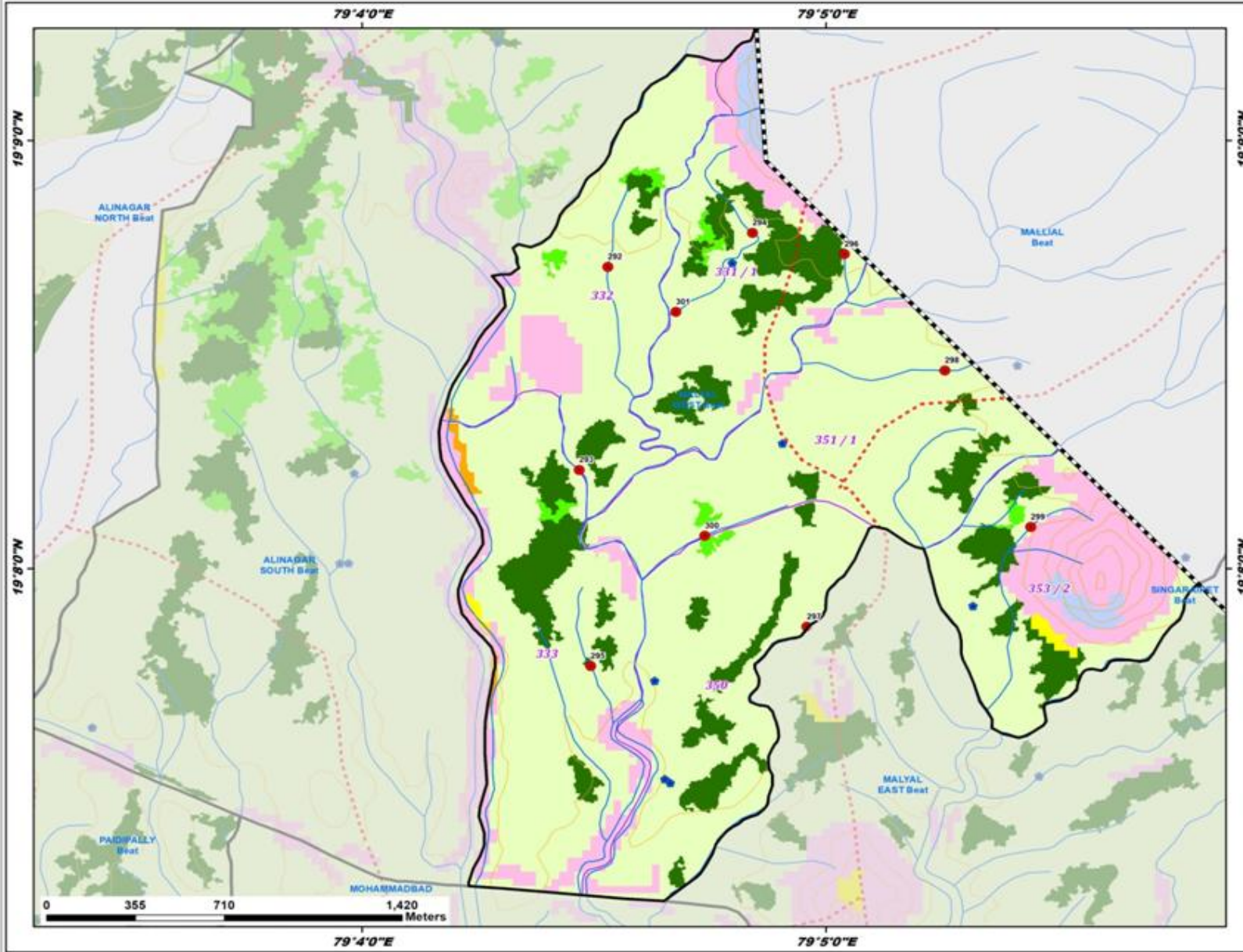
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SGPts - Suitable
- Not Suitable
- Water Body



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



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
292	19.145079	79.075497	9.22	IV
293	19.137176	79.074464	12.30	IV
294	19.146403	79.080695	17.55	IV
295	19.129540	79.074874	9.95	IV
296	19.145576	79.083993	7.40	IV
297	19.131071	79.082641	16.00	IV
298	19.141046	79.087608	11.84	IV
299	19.134955	79.090689	12.87	IV
300	19.134612	79.078981	28.39	V
301	19.143329	79.077943	39.49	V

Legend

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

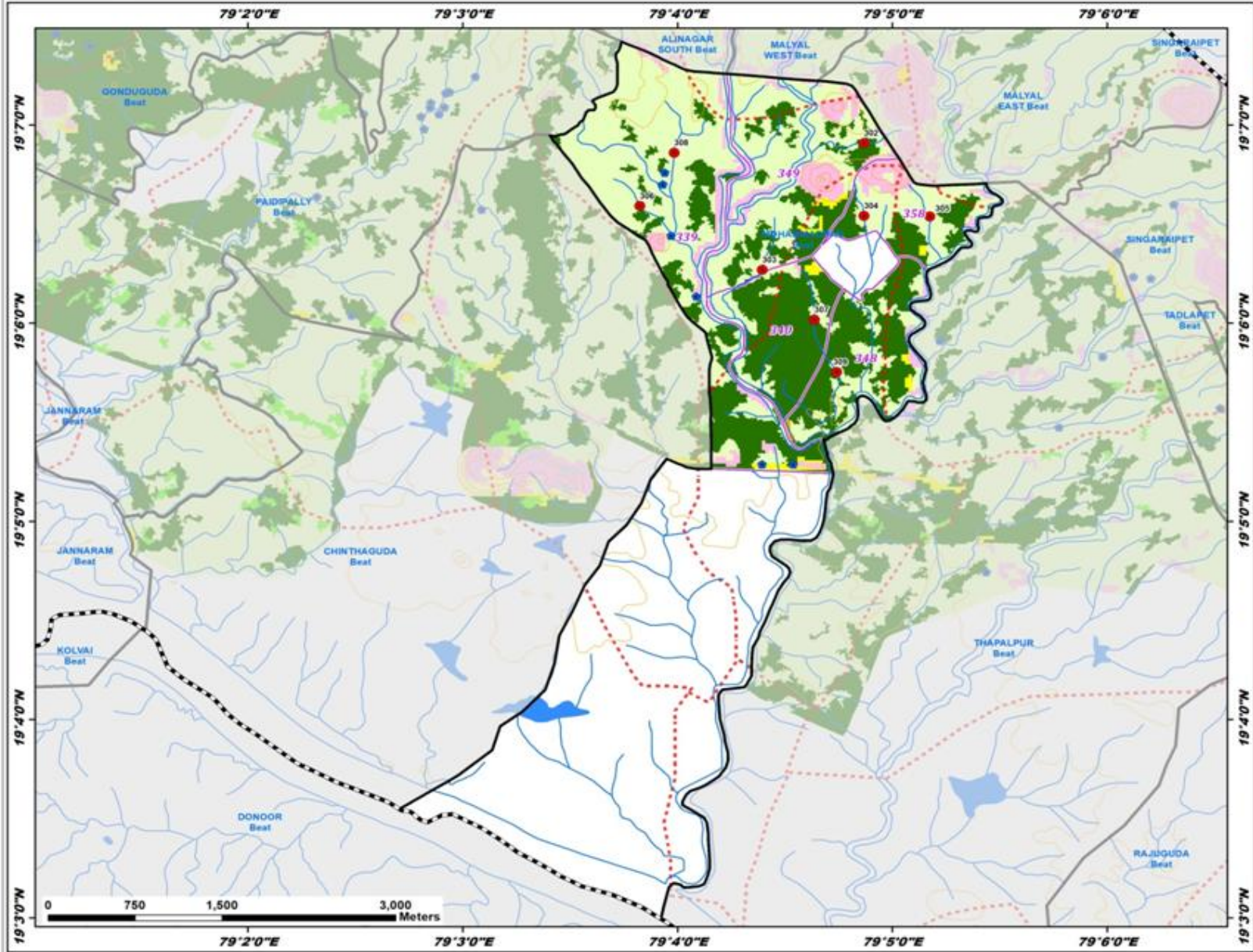
Suitability Index

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

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



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
302	19.115134	79.081119	14.06	I
303	19.104479	79.073239	24.07	IV
304	19.109020	79.081123	15.52	IV
305	19.108967	79.086229	21.67	IV
306	19.109844	79.063729	16.17	IV
307	19.100290	79.077281	18.53	IV
308	19.114320	79.066390	35.73	V
309	19.095879	79.079015	37.55	V

Legend

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

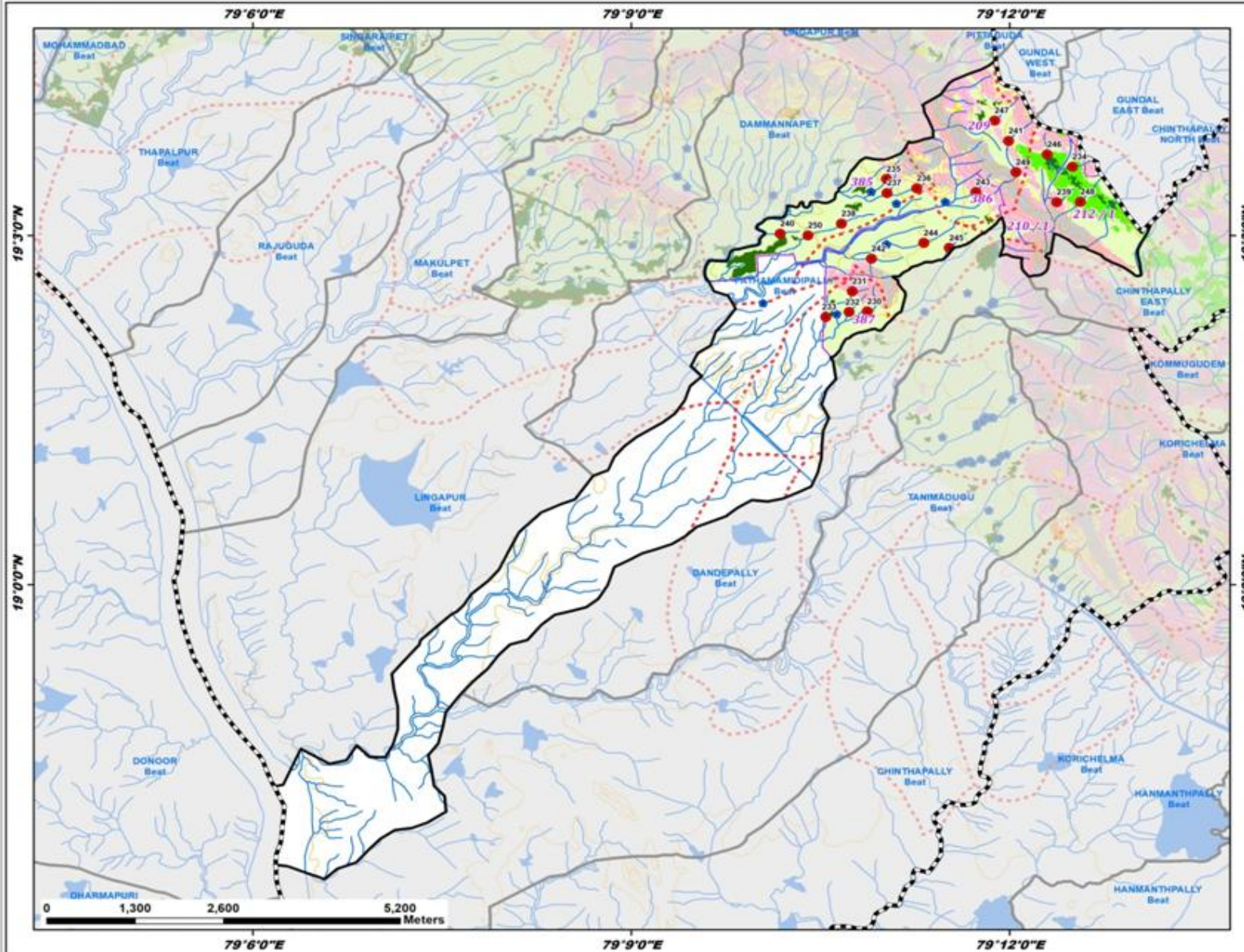
Suitability Index

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

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



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
230	19.039108	79.181207	9.04	IV
231	19.041999	79.179205	4.92	IV
232	19.039020	79.178795	5.60	IV
233	19.038314	79.175715	15.02	IV
234	19.059821	79.208293	10.93	IV
235	19.058079	79.183716	5.94	IV
236	19.056759	79.187752	13.93	IV
237	19.056073	79.183799	13.53	IV
238	19.051708	79.177793	10.90	IV
239	19.054785	79.206251	11.83	IV
240	19.050258	79.169701	8.08	IV
241	19.063538	79.199893	11.98	IV
242	19.046670	79.181760	13.18	IV
243	19.056198	79.195551	9.77	IV
244	19.048932	79.188072	23.45	IV
245	19.048212	79.192041	8.27	IV
246	19.061612	79.204985	11.64	IV
247	19.066435	79.198014	28.42	V
248	19.054818	79.209379	39.23	V
249	19.059050	79.200852	33.23	V
250	19.050032	79.173338	31.54	V

Legend

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

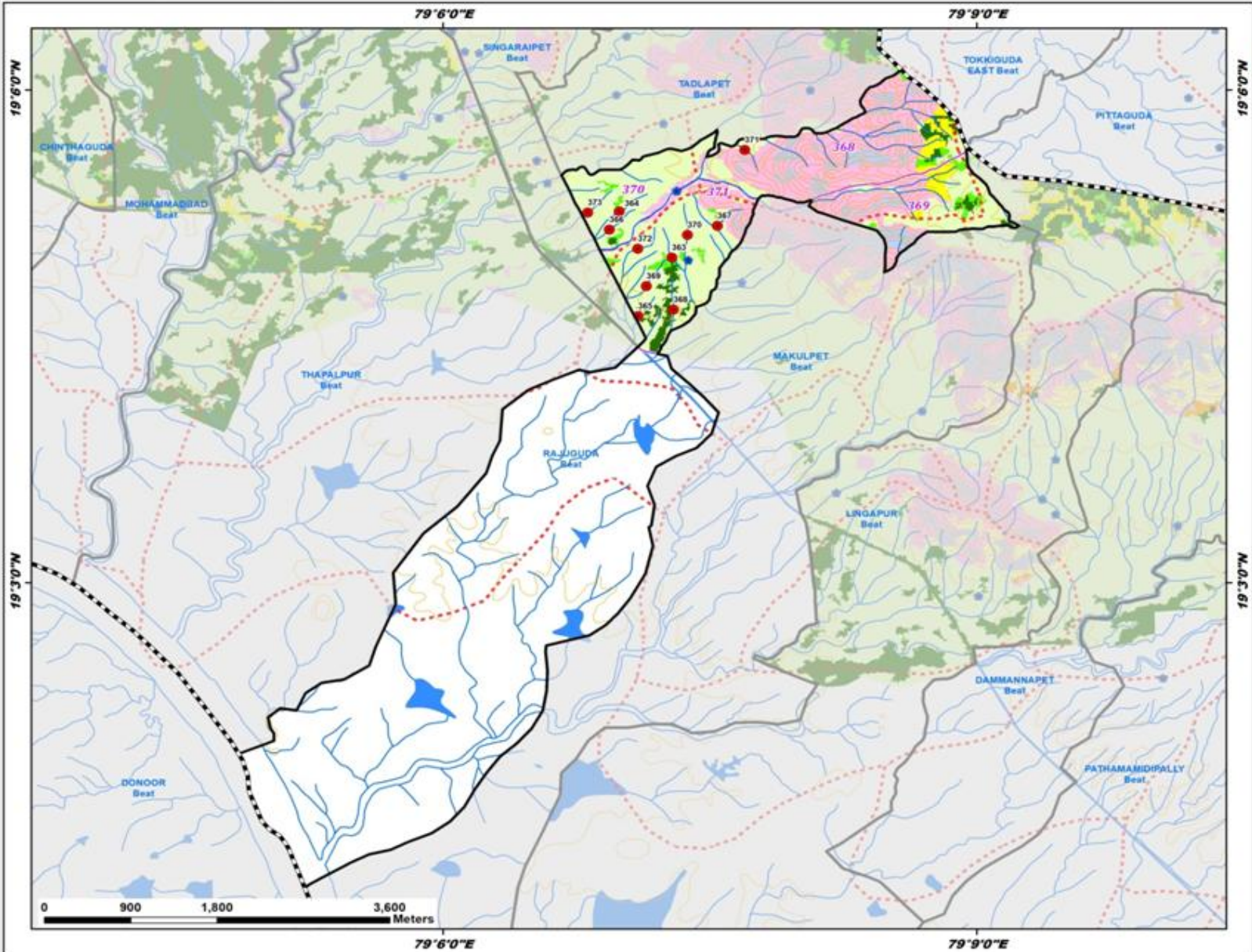
Suitability Index

- 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 Rajuguda Beat



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
363	19.082984	79.121427	7.00	II
364	19.087686	79.116486	7.19	IV
365	19.077062	79.118260	4.62	IV
366	19.085827	79.115569	5.19	IV
367	19.086207	79.125682	10.01	IV
368	19.077699	79.121571	7.35	IV
369	19.080097	79.119039	5.82	IV
370	19.085276	79.122880	6.54	IV
371	19.093922	79.128263	8.98	IV
372	19.083877	79.118222	5.13	IV
373	19.087543	79.113530	8.80	IV

Legend

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

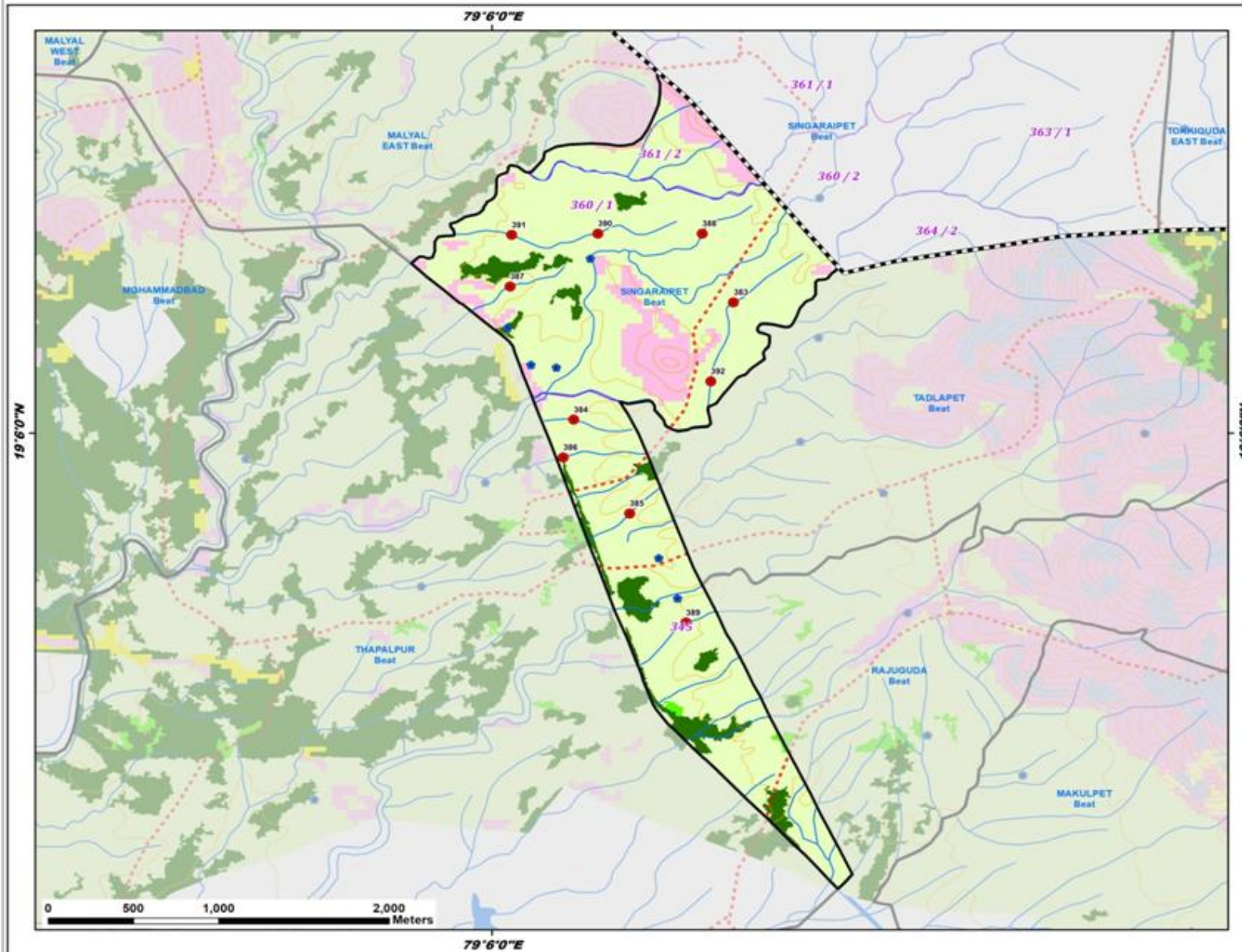
Suitability Index

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

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



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
383	19.107455	79.112724	12.19	IV
384	19.100758	79.104296	5.82	IV
385	19.095403	79.107247	7.00	IV
386	19.098610	79.103739	12.33	IV
387	19.108367	79.100943	9.40	IV
388	19.111389	79.111075	7.55	IV
389	19.089171	79.110216	12.95	IV
390	19.111386	79.105564	12.99	IV
391	19.111308	79.101019	23.85	IV
392	19.102947	79.111520	24.02	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

0 500 1,000 2,000 Meters

79°6'0"E

19°6'0"N

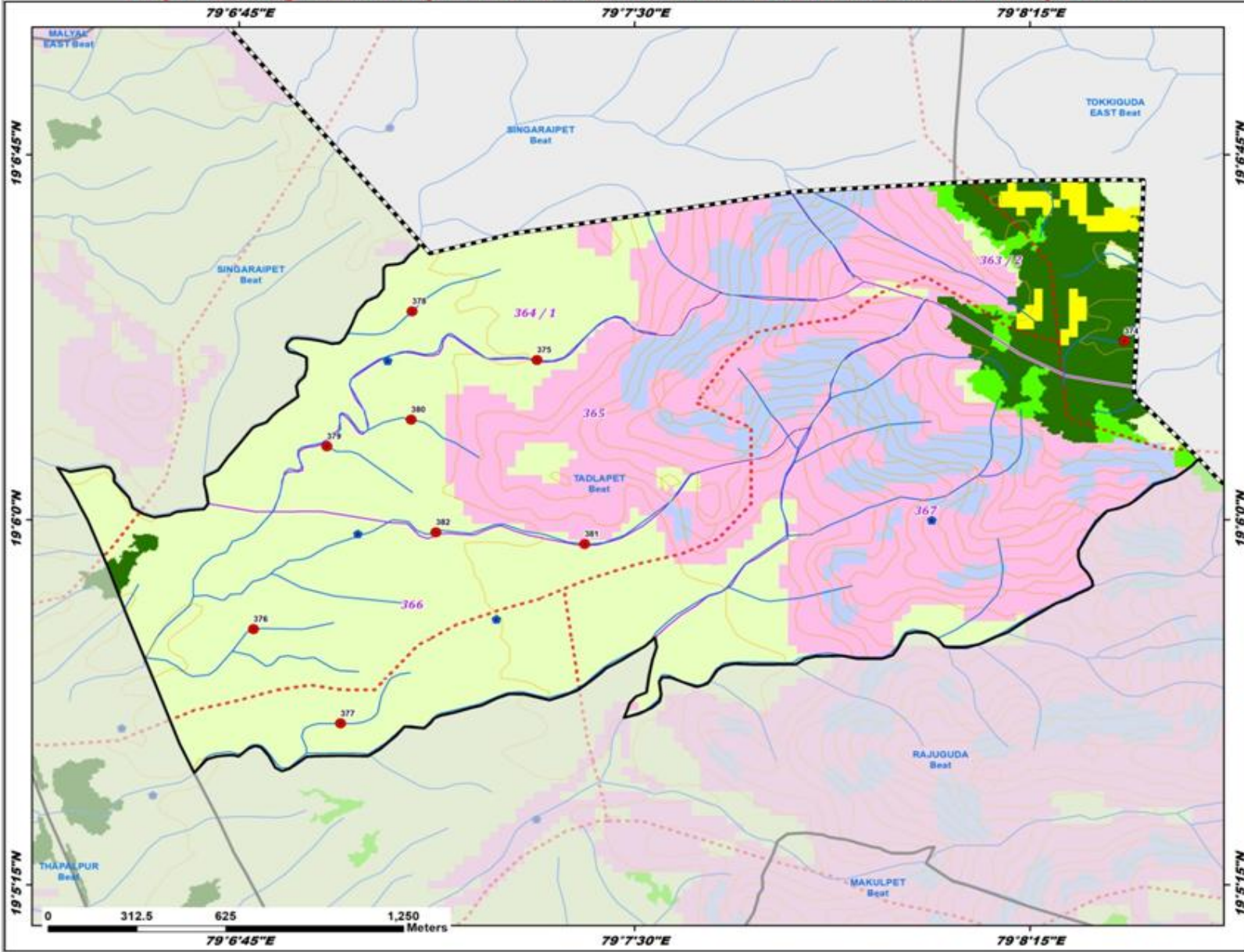
19°6'0"N

79°6'0"E

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



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
374	19.106120	79.140494	7.54	I
375	19.105474	79.121916	21.87	IV
376	19.096256	79.112949	8.25	IV
377	19.093021	79.115702	13.92	IV
378	19.107144	79.117968	24.41	IV
379	19.102518	79.115278	11.93	IV
380	19.103432	79.117933	7.84	IV
381	19.099171	79.123422	28.07	V
382	19.099573	79.118727	43.52	V

Legend

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

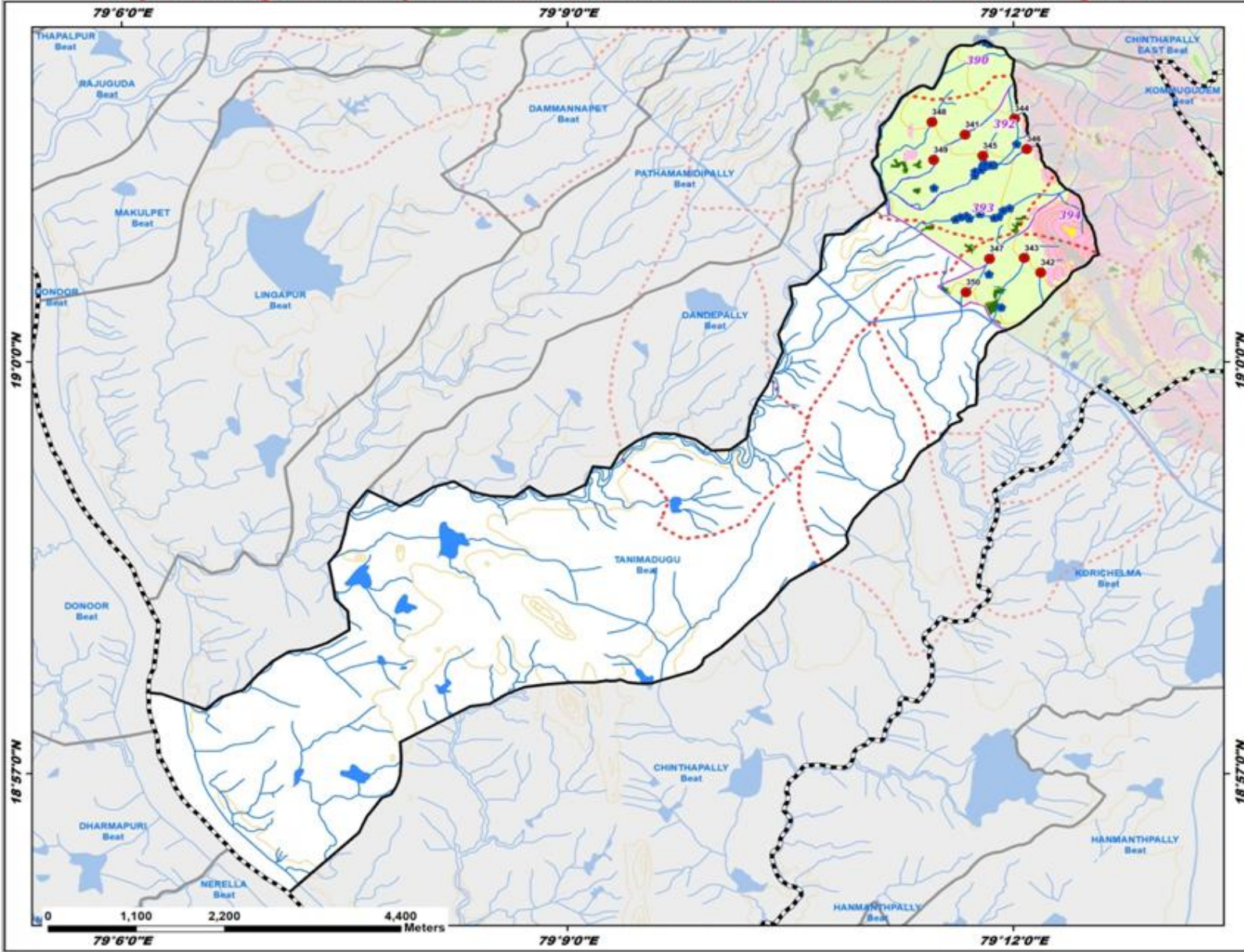
Suitability Index

- 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 Tanimadugu Beat



Division : Jannaram
Range : Tadlapet



ID	Latitude	Longitude	Catchment Area_Ha	Priority
341	19.027601	79.194587	20.38	IV
342	19.010864	79.203080	13.74	IV
343	19.012616	79.201250	18.90	IV
344	19.029570	79.200173	19.78	IV
345	19.025033	79.196593	11.04	IV
346	19.025855	79.201525	20.18	IV
347	19.012523	79.197334	36.90	V
348	19.029130	79.190900	35.11	V
349	19.024538	79.191088	44.66	V
350	19.008478	79.194708	50.44	V

Legend

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

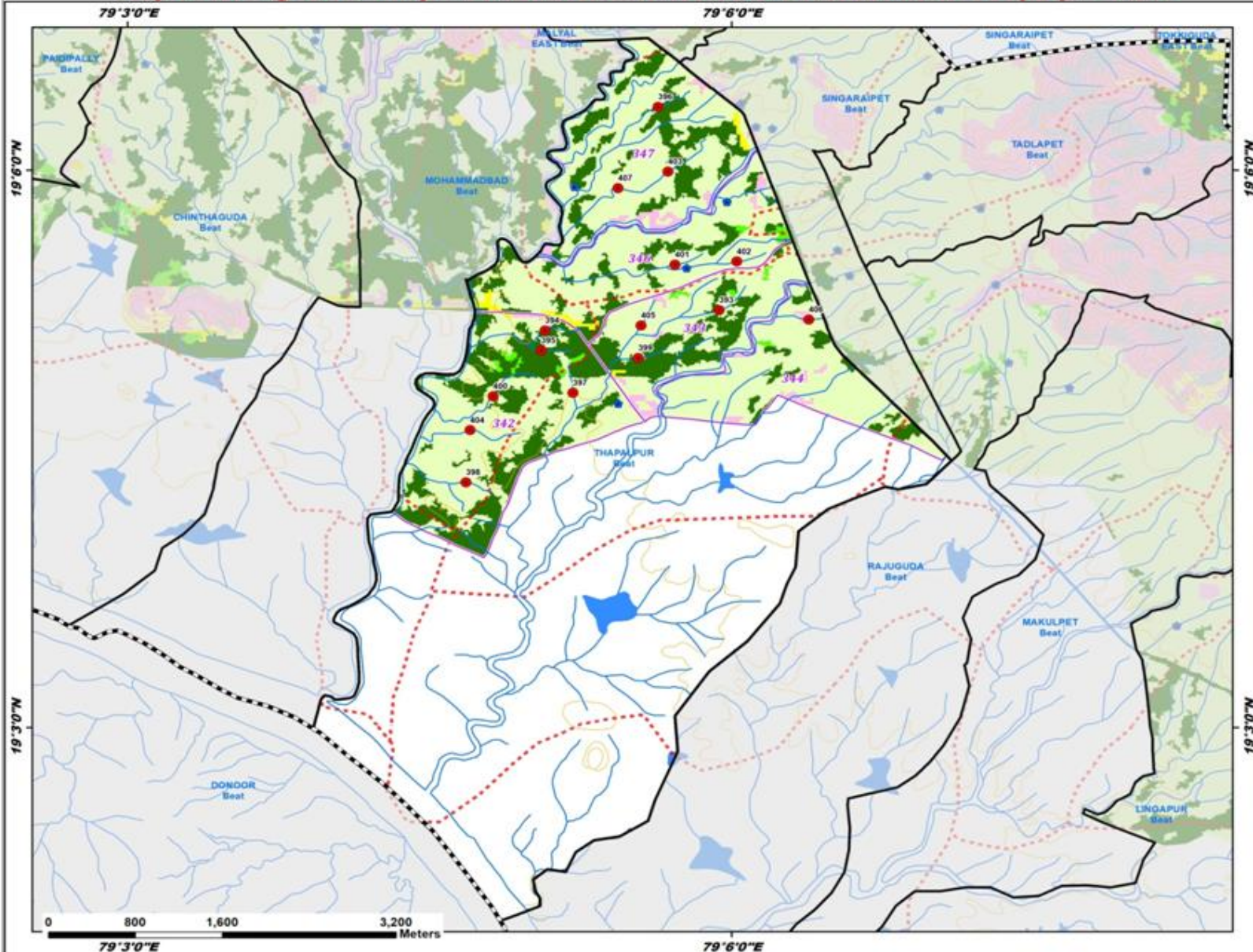
Suitability Index

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

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



Division : Jannaram
Range : Tadlapet



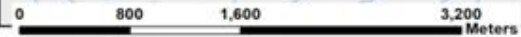
ID	Latitude	Longitude	Catchment Area_Ha	Priority
393	19.087451	79.098965	18.12	I
394	19.085639	79.084565	14.09	I
395	19.083831	79.084233	7.28	I
396	19.105688	79.093909	8.21	I
397	19.080042	79.086867	12.20	IV
398	19.072016	79.078015	15.61	IV
399	19.083163	79.092264	7.35	IV
400	19.079716	79.080269	19.39	IV
401	19.091537	79.095310	6.01	IV
402	19.091820	79.100445	7.69	IV
403	19.099892	79.094736	22.11	IV
404	19.076685	79.078361	19.39	IV
405	19.086081	79.092512	14.07	IV
406	19.086609	79.106398	29.91	V
407	19.098408	79.090589	43.04	V

Legend

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

Suitability Index

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



19°6'0"N

79°6'0"E

19°6'0"N

19°3'0"N

79°6'0"E

19°3'0"N

79°3'0"E