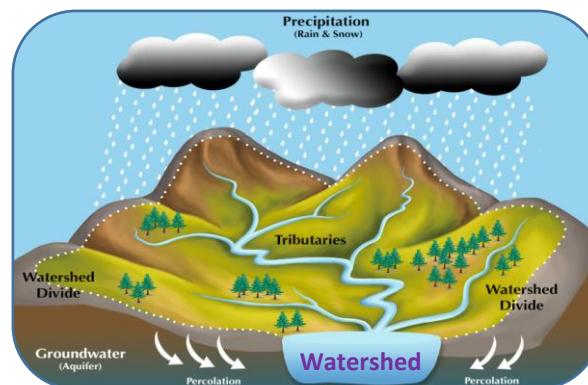


Government of Telangana – Forest Department



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



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

**Circle: Basara
District: Nizamabad
Division: Armoor**

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

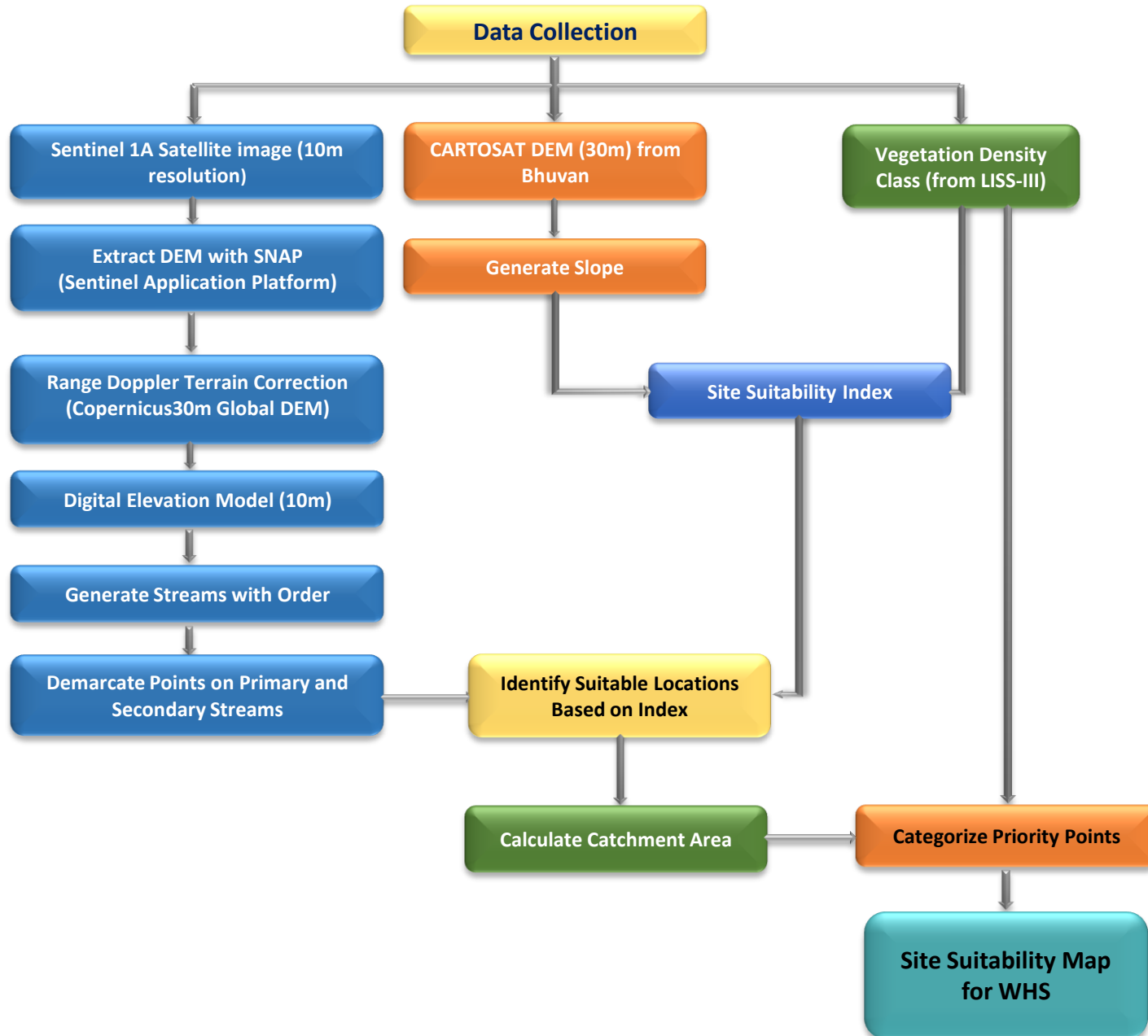
METHODOLOGY

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.



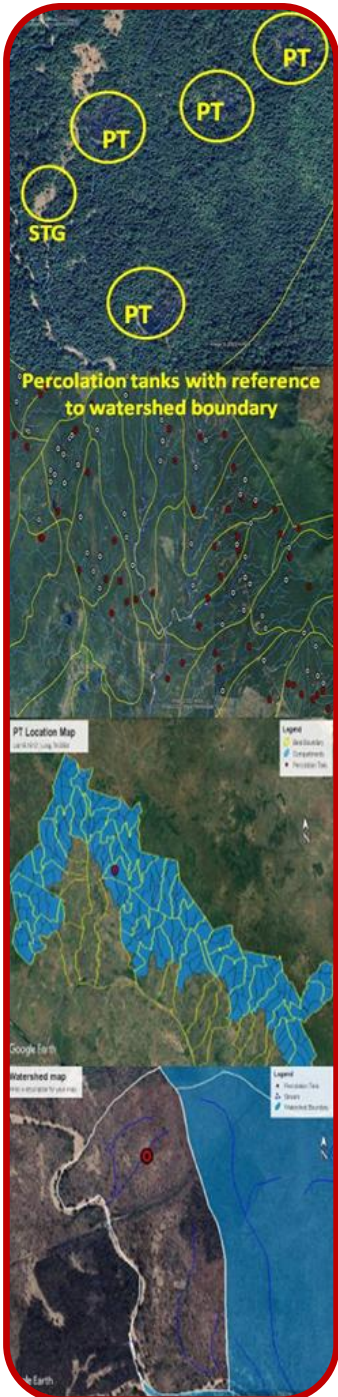
Suitability criteria for Check-Dams and Percolation Tanks (SITE SUITABILITY INDEX)

| 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 |



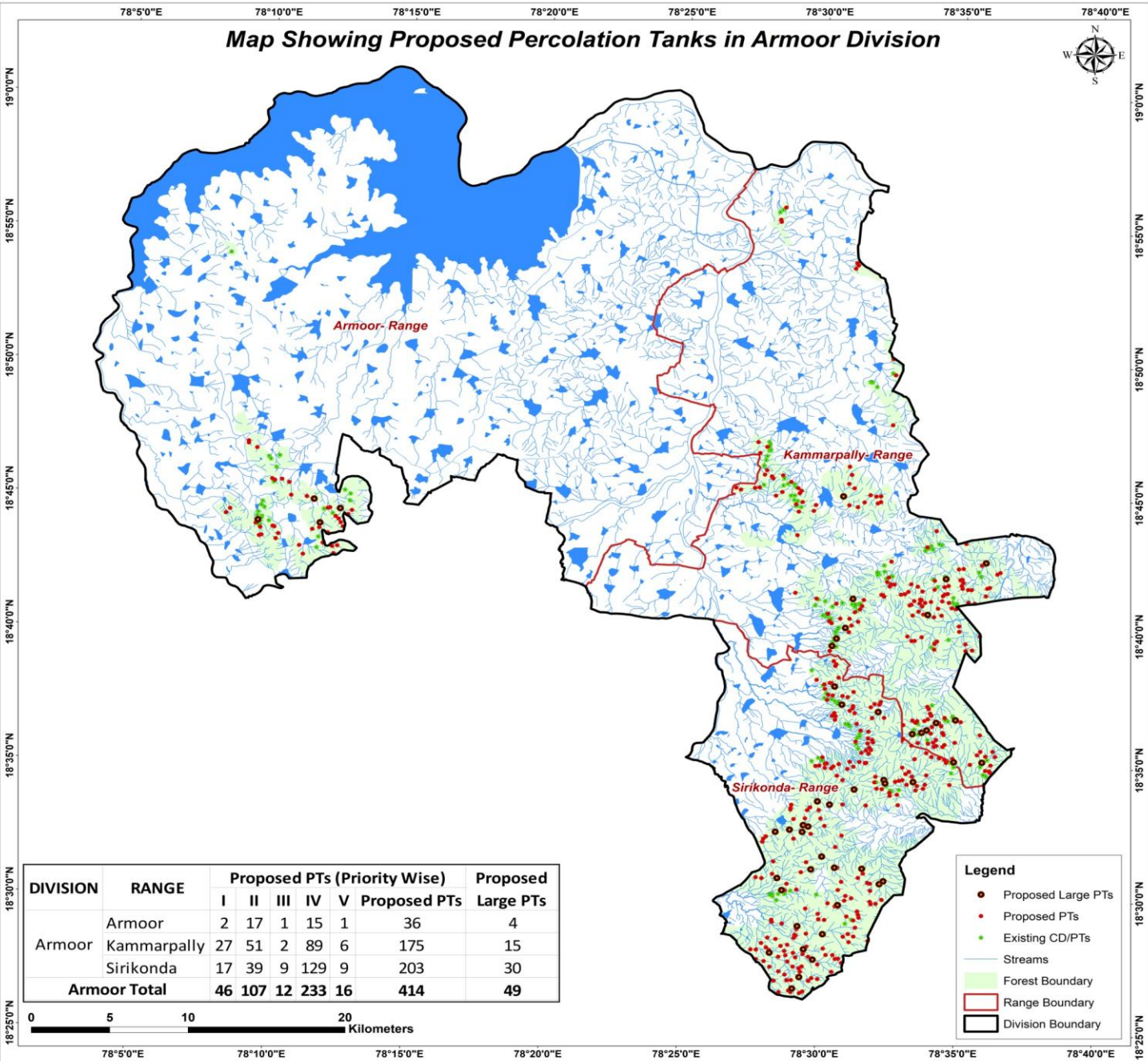


PRIORITY CLASSES FOR PERCOLATION TANK

| 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 |



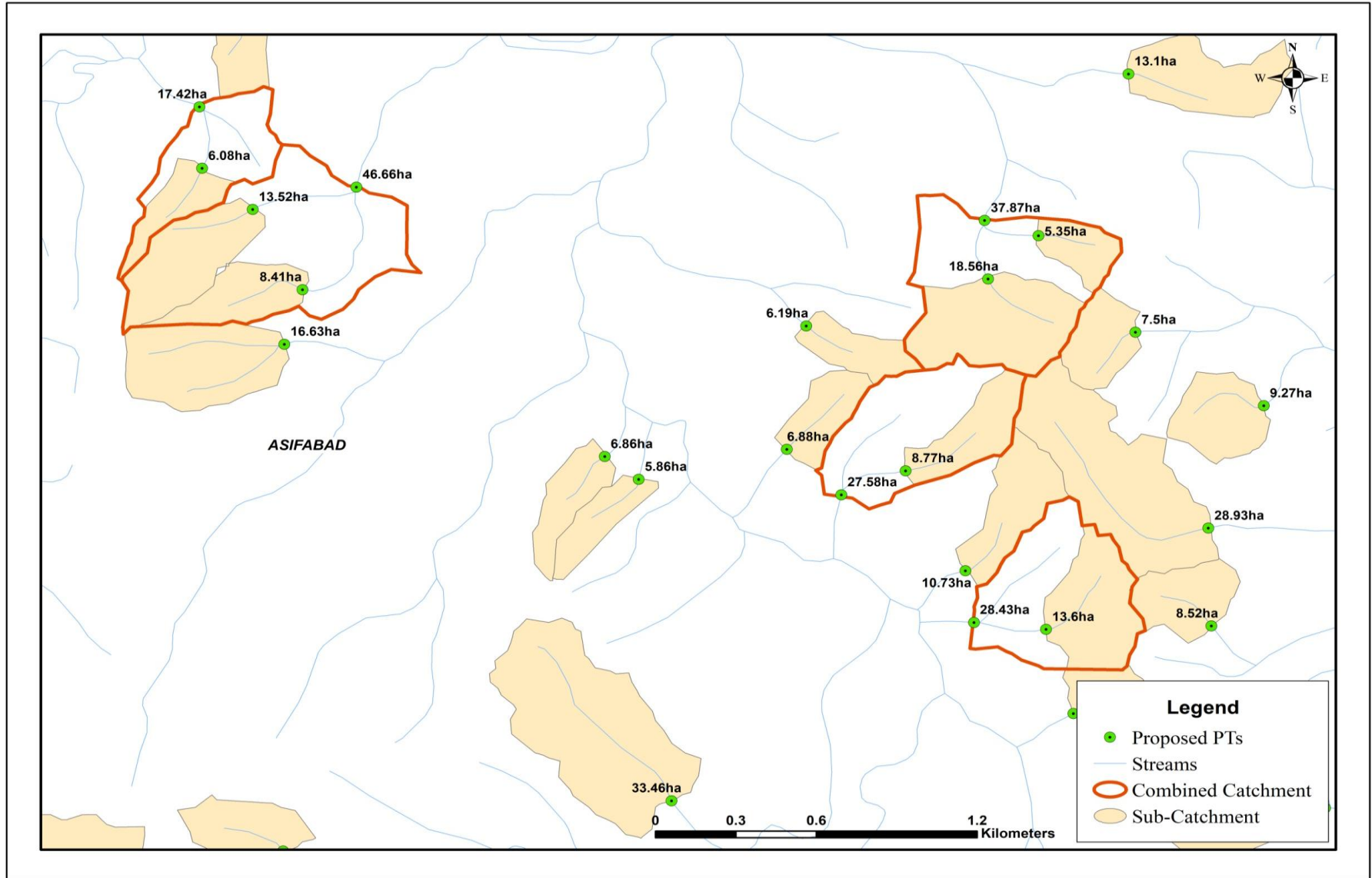
Map Showing Proposed Percolation Tanks in Armoor Division



| DIVISION | RANGE | Proposed PTs (Priority Wise) | | | | | Proposed Large PTs | |
|---------------------|-------------|------------------------------|------------|-----------|------------|-----------|--------------------|-----------|
| | | I | II | III | IV | V | | |
| Armoor | Armoor | 2 | 17 | 1 | 15 | 1 | 36 | 4 |
| | Kammarpally | 27 | 51 | 2 | 89 | 6 | 175 | 15 |
| | Sirikonda | 17 | 39 | 9 | 129 | 9 | 203 | 30 |
| Armoor Total | | 46 | 107 | 12 | 233 | 16 | 414 | 49 |

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

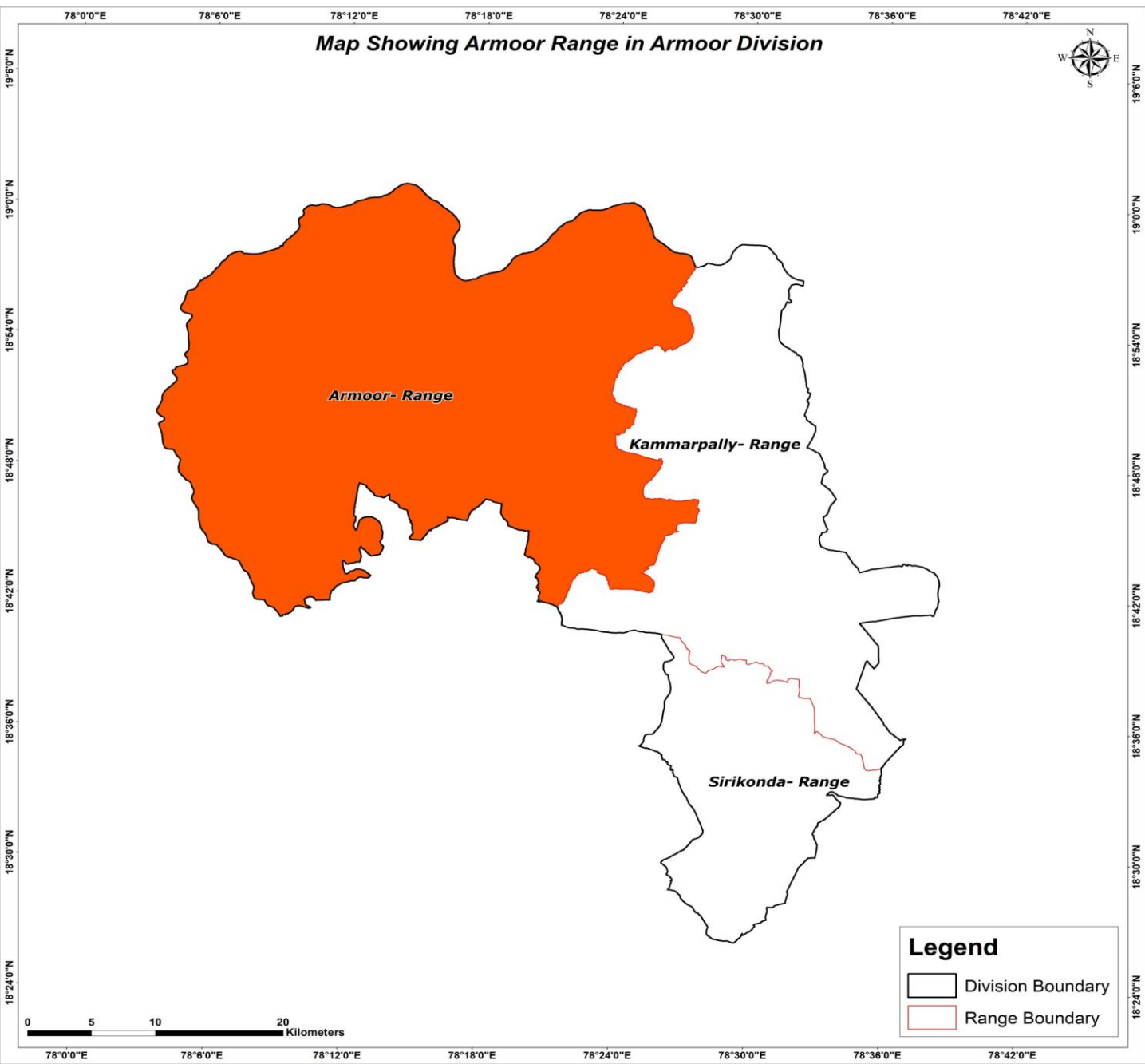
CATCHMENT AREA



Sample Catchment Map



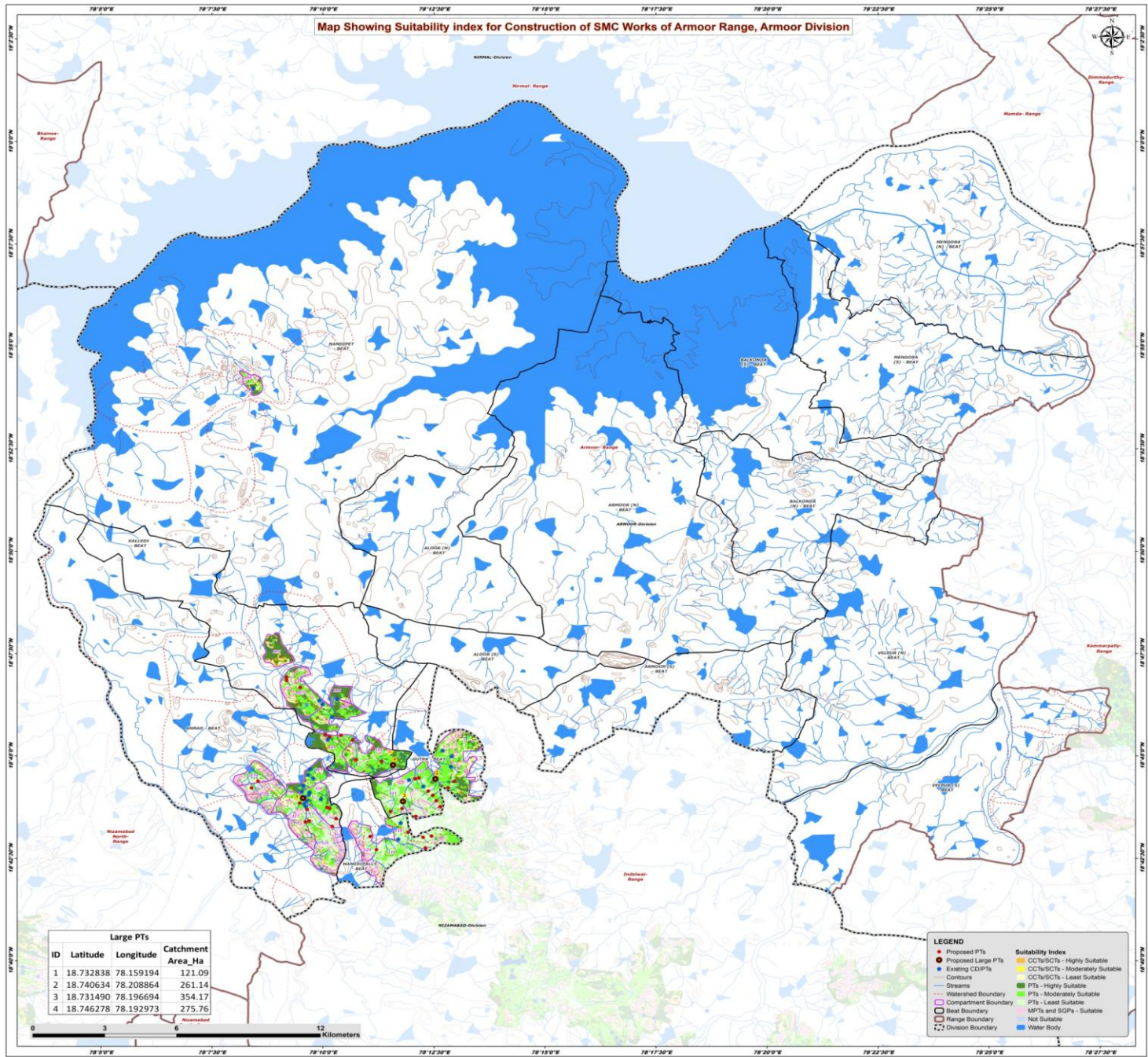
Map Showing Armour Range in Armour Division



Legend

- Division Boundary
- Range Boundary

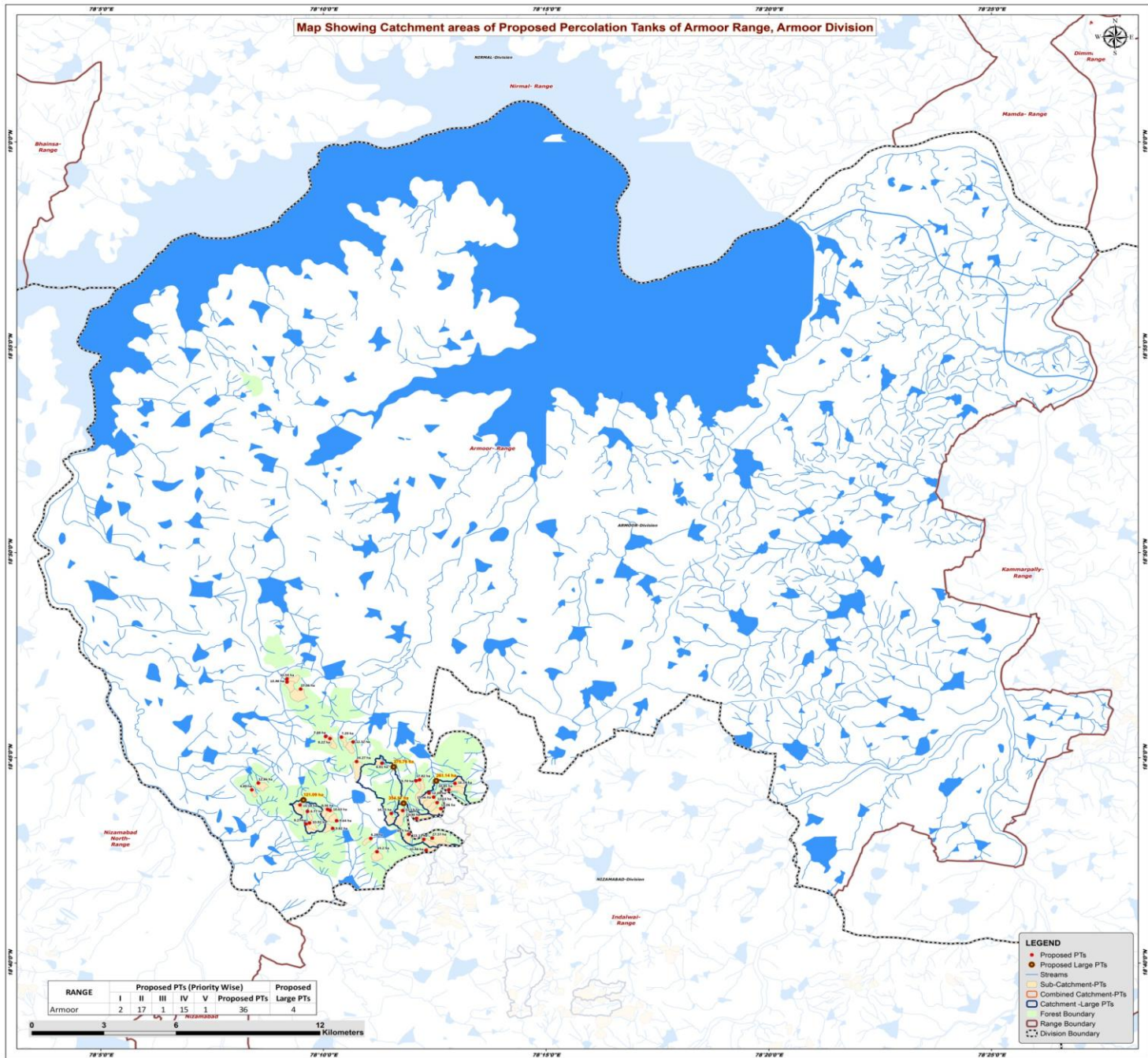
Map Showing Suitability index for Construction of SMC Works of Armour Range, Armour Division



| Large PTs | | | |
|-----------|-----------|-----------|-------------------|
| ID | Latitude | Longitude | Catchment Area_Ha |
| 1 | 18.732838 | 78.159194 | 121.09 |
| 2 | 18.740634 | 78.208864 | 261.14 |
| 3 | 18.731490 | 78.196694 | 354.17 |
| 4 | 18.746278 | 78.192973 | 275.76 |

- LEGEND**
- Proposed PTs
 - Existing CDPTs
 - Contours
 - Streams
 - Watershed Boundary
 - Compartment Boundary
 - Best Boundary
 - Range Boundary
 - Division Boundary
 - Water Body
 - 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

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



Beat wise Abstract of Proposed PT's – Armour Range

| S. No. | Beat | Proposed PT's |
|--------|--------------|---------------|
| 1 | AMRAD | 10 |
| 2 | GUTPA | 11 |
| 3 | KALLEDI | 9 |
| 4 | MAMIDIPALLY | 6 |
| | Total | 36 |

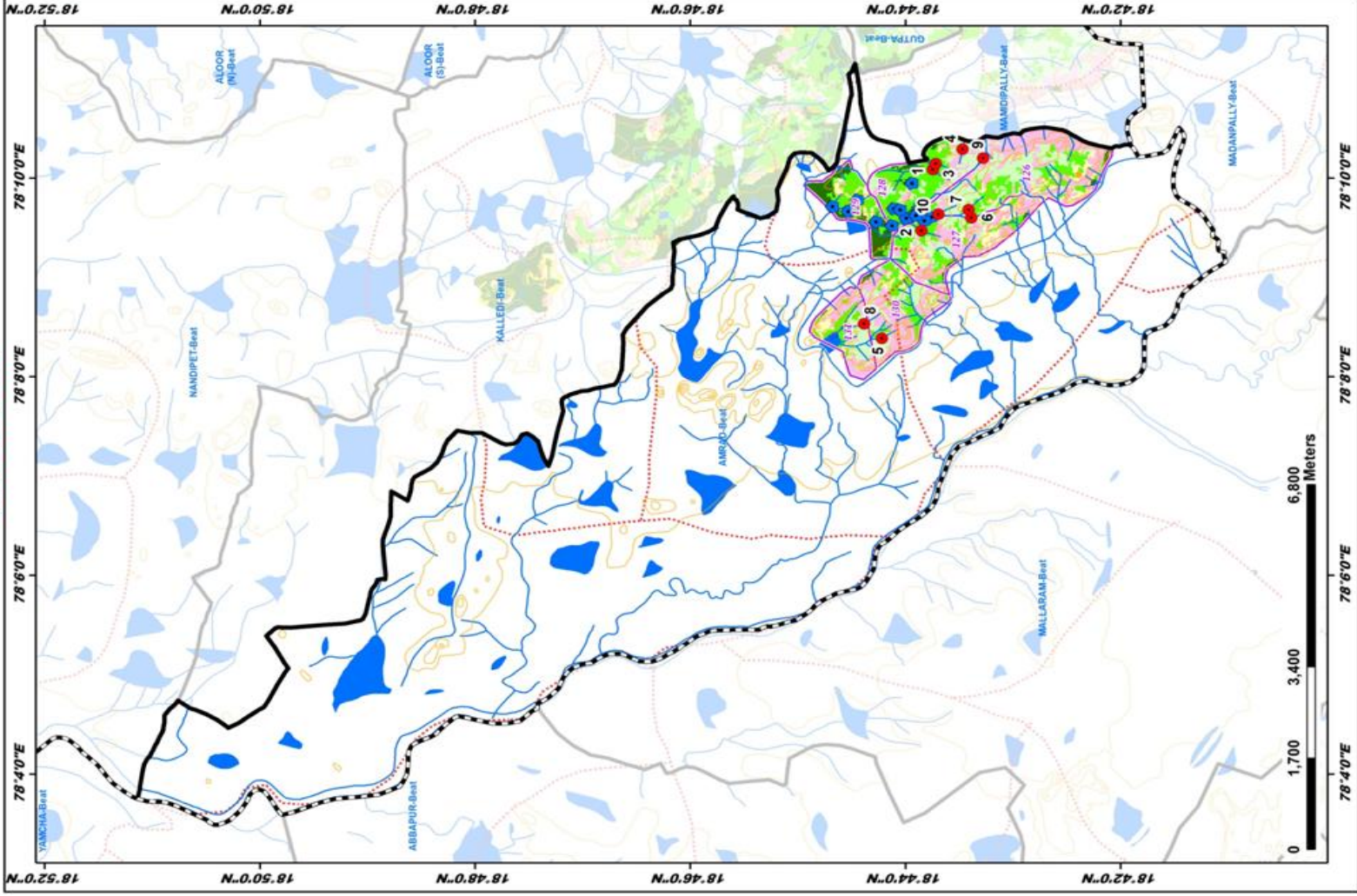
List of Proposed PTs – Armour Range

| ID | Latitude | Longitude | Catchment Area_Ha | Priority | Beat |
|----|-----------|-----------|-------------------|----------|-------------|
| 1 | 18.729064 | 78.168158 | 8.36 | II | AMRAD |
| 2 | 18.730835 | 78.157933 | 15.18 | II | AMRAD |
| 3 | 18.728649 | 78.169162 | 10.63 | II | AMRAD |
| 4 | 18.724440 | 78.171600 | 9.64 | II | AMRAD |
| 5 | 18.736973 | 78.139860 | 4.89 | II | AMRAD |
| 6 | 18.723114 | 78.160086 | 9.27 | II | AMRAD |
| 7 | 18.723519 | 78.161448 | 10.92 | II | AMRAD |
| 8 | 18.739733 | 78.142312 | 12.86 | IV | AMRAD |
| 9 | 18.721300 | 78.170121 | 9.82 | IV | AMRAD |
| 10 | 18.728219 | 78.160700 | 4.77 | IV | AMRAD |
| 11 | 18.739577 | 78.215910 | 16.14 | I | GUTPA |
| 12 | 18.737023 | 78.213625 | 14.85 | II | GUTPA |
| 13 | 18.740671 | 78.201305 | 5.74 | II | GUTPA |
| 14 | 18.729323 | 78.210671 | 13.06 | II | GUTPA |
| 15 | 18.731792 | 78.209243 | 11.13 | II | GUTPA |
| 16 | 18.725408 | 78.201528 | 21.36 | IV | GUTPA |
| 17 | 18.727407 | 78.192101 | 14.75 | IV | GUTPA |
| 18 | 18.735653 | 78.206190 | 12.49 | IV | GUTPA |
| 19 | 18.734022 | 78.207956 | 15.56 | IV | GUTPA |
| 20 | 18.741064 | 78.202655 | 17.82 | IV | GUTPA |
| 21 | 18.728554 | 78.196344 | 22.13 | IV | GUTPA |
| 22 | 18.757760 | 78.169133 | 8.22 | I | KALLEDI |
| 23 | 18.758652 | 78.167488 | 7.66 | II | KALLEDI |
| 24 | 18.748465 | 78.179108 | 24.27 | II | KALLEDI |
| 25 | 18.758379 | 78.173415 | 7.29 | II | KALLEDI |
| 26 | 18.780740 | 78.153030 | 12.46 | II | KALLEDI |
| 27 | 18.747795 | 78.188619 | 6.81 | II | KALLEDI |
| 28 | 18.782057 | 78.153028 | 10.54 | II | KALLEDI |
| 29 | 18.777862 | 78.158125 | 27.06 | III | KALLEDI |
| 30 | 18.756421 | 78.177788 | 12.32 | IV | KALLEDI |
| 31 | 18.712488 | 78.205124 | 10.48 | IV | MAMIDIPALLY |
| 32 | 18.716886 | 78.204230 | 13.11 | IV | MAMIDIPALLY |
| 33 | 18.718940 | 78.198588 | 10.50 | IV | MAMIDIPALLY |
| 34 | 18.717240 | 78.184409 | 6.28 | IV | MAMIDIPALLY |
| 35 | 18.711827 | 78.186731 | 14.20 | IV | MAMIDIPALLY |
| 36 | 18.717401 | 78.207375 | 27.57 | V | MAMIDIPALLY |

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



Division : Amroor
Range : Amroor



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|----|-----------|-----------|-------------------|----------|
| 1 | 18.729064 | 78.166158 | 8.36 | II |
| 2 | 18.730835 | 78.157933 | 15.18 | II |
| 3 | 18.728649 | 78.169162 | 10.03 | II |
| 4 | 18.724460 | 78.171600 | 9.64 | II |
| 5 | 18.736973 | 78.139660 | 4.89 | II |
| 6 | 18.723114 | 78.160006 | 9.27 | II |
| 7 | 18.723519 | 78.161448 | 10.92 | II |
| 8 | 18.739733 | 78.142312 | 12.86 | IV |
| 9 | 18.721300 | 78.170121 | 9.82 | IV |
| 10 | 18.728219 | 78.160700 | 4.77 | IV |

LEGEND

- Proposed PTIs
- Existing CDPTIs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

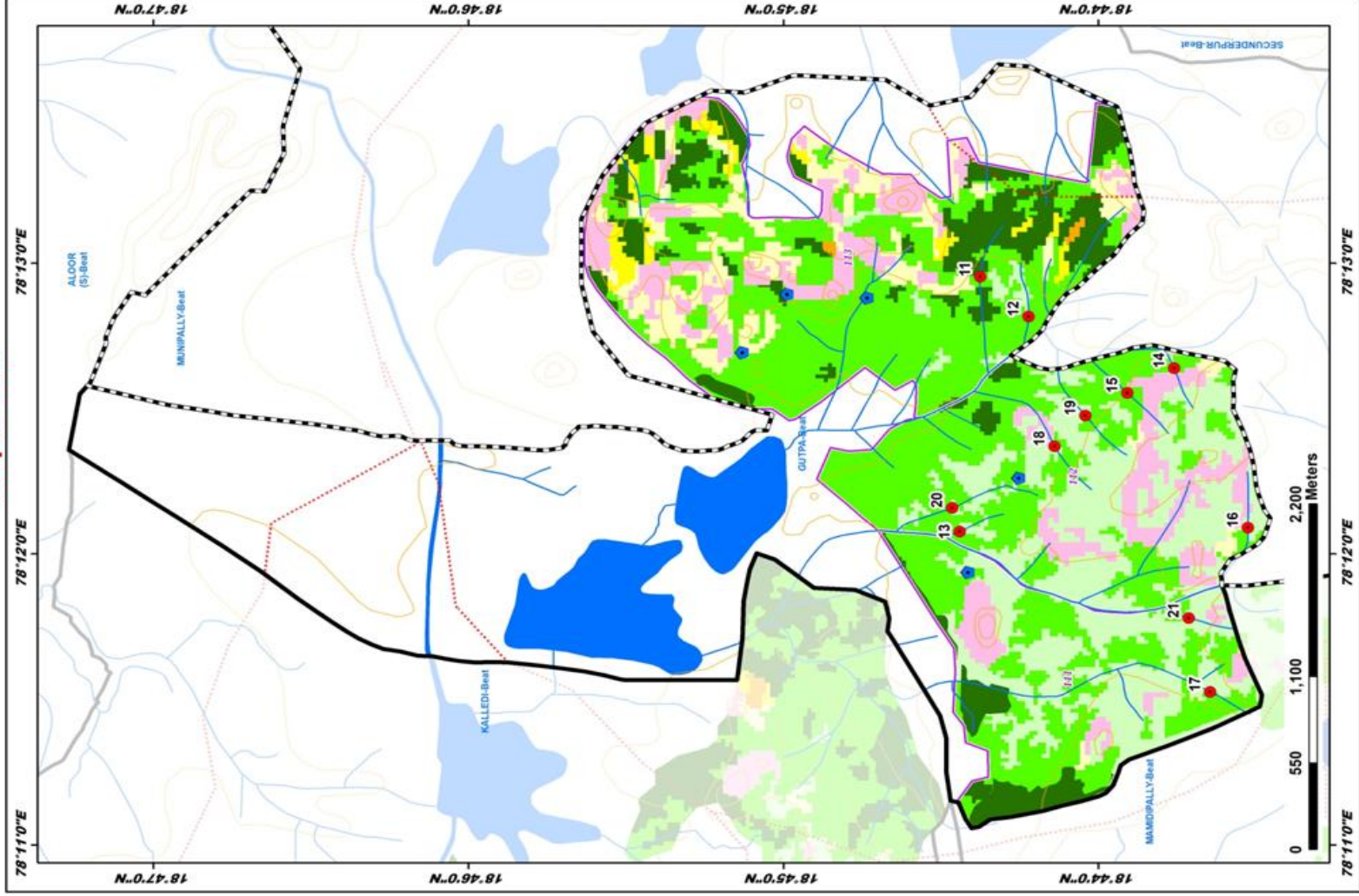
SUITABILITY INDEX

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

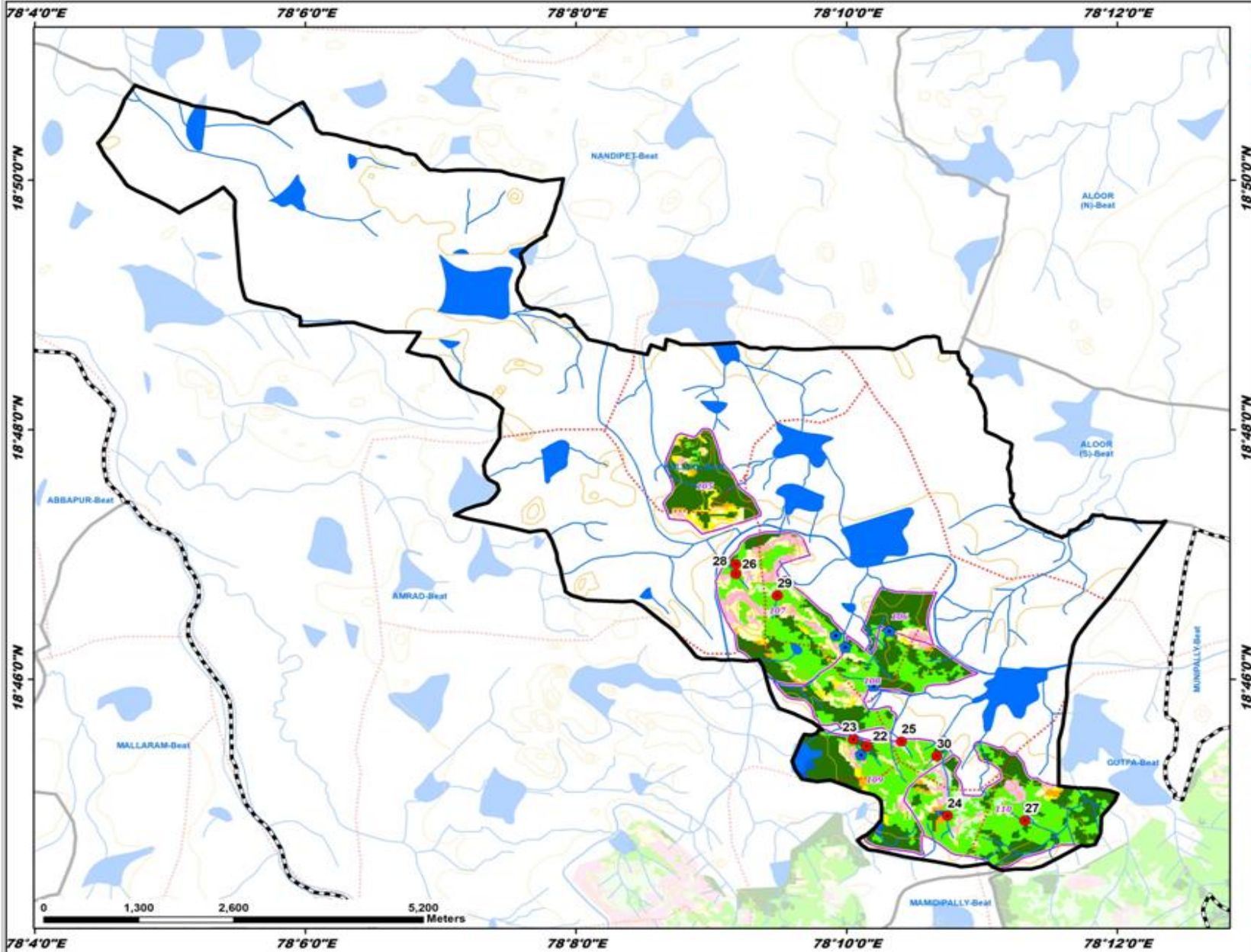
Map Showing Suitability Index for Construction of SMC Works of Gutpa Beat



Division : Armoor
Range : Armoor



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

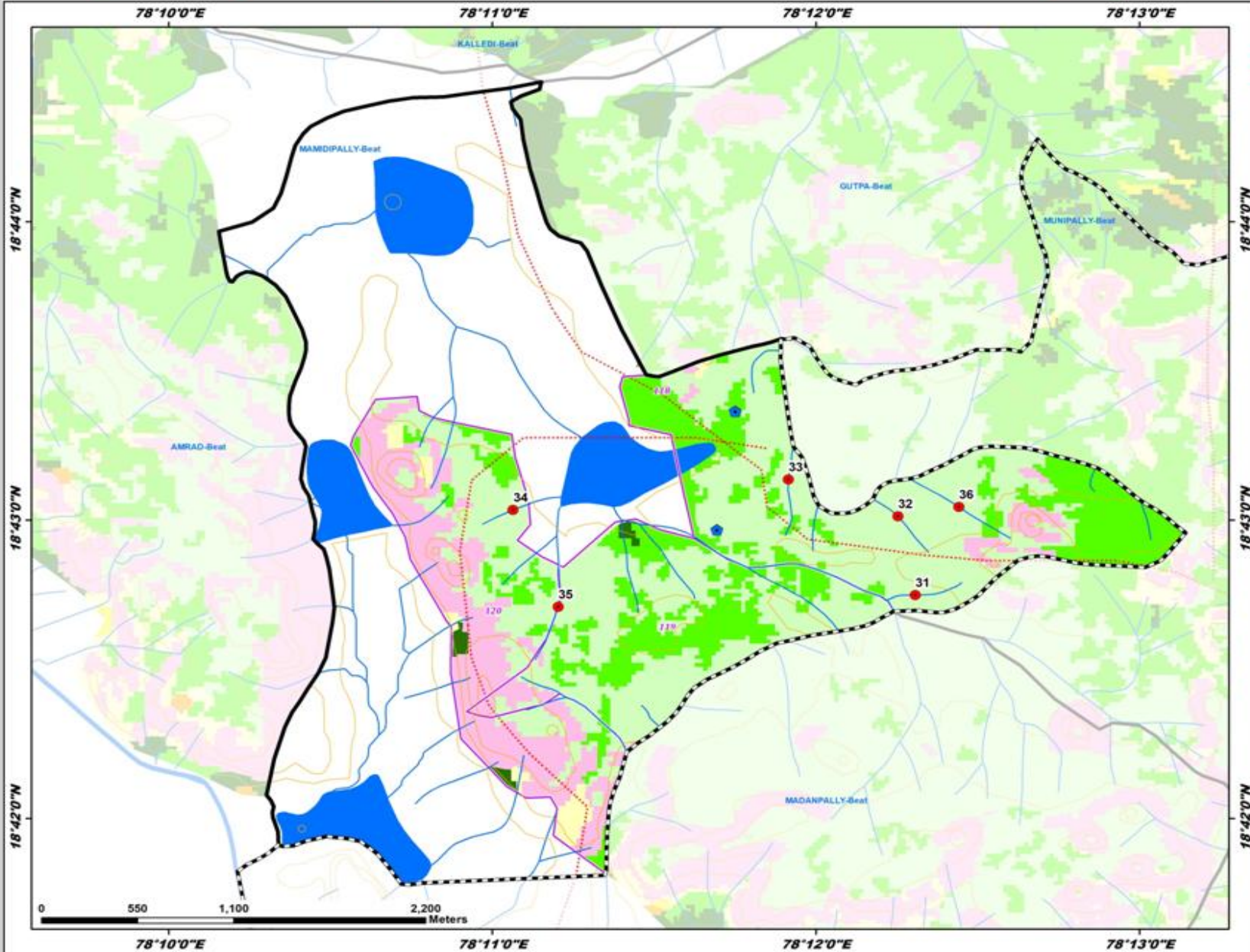


Division : Armour
Range : Armour

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|----|-----------|-----------|-------------------|----------|
| 22 | 18.757760 | 78.169133 | 8.22 | I |
| 23 | 18.758652 | 78.167488 | 7.66 | II |
| 24 | 18.748465 | 78.179108 | 24.27 | II |
| 25 | 18.758379 | 78.173415 | 7.29 | II |
| 26 | 18.780740 | 78.153030 | 12.46 | II |
| 27 | 18.747795 | 78.188619 | 6.81 | II |
| 28 | 18.782057 | 78.153028 | 10.54 | II |
| 29 | 18.777862 | 78.158125 | 27.06 | III |
| 30 | 18.756421 | 78.177788 | 12.32 | 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 Mamidipally Beat



Division : Armour
Range : Armour

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|----|-----------|-----------|-------------------|----------|
| 31 | 18.712488 | 78.205124 | 10.48 | IV |
| 32 | 18.716886 | 78.204230 | 13.11 | IV |
| 33 | 18.718940 | 78.198588 | 10.50 | IV |
| 34 | 18.717240 | 78.184409 | 6.28 | IV |
| 35 | 18.715827 | 78.186731 | 14.20 | IV |
| 36 | 18.717401 | 78.207375 | 27.57 | V |

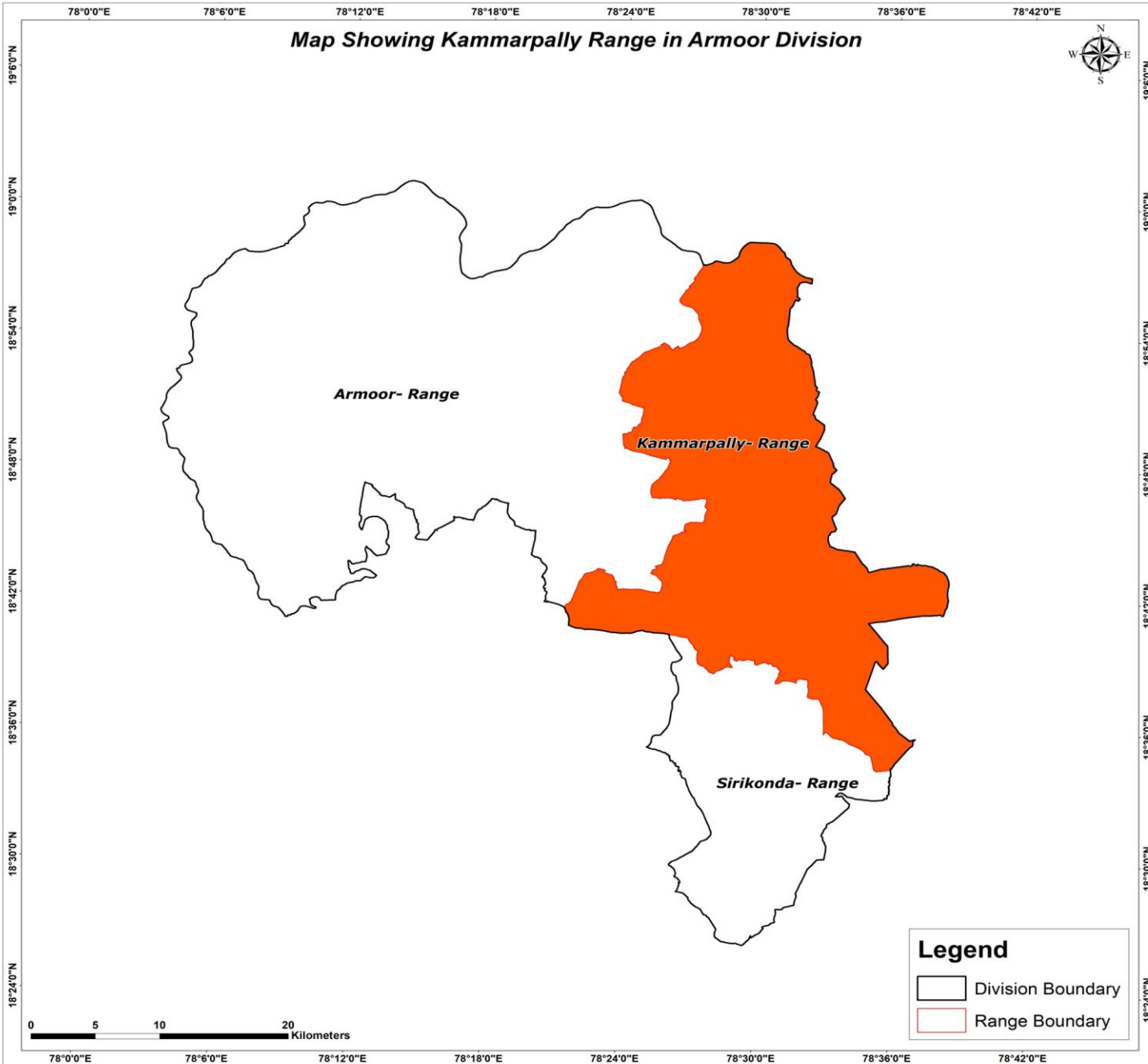
LEGEND

- 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 Kammarpally Range in Armour Division



Legend

- Division Boundary
- Range Boundary

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

| Large PTs | | Catchment | |
|-----------|-----------|-----------|---------|
| ID | Longitude | Latitude | Area_Ha |
| 5 | 18.752156 | 78.512673 | 104.91 |
| 6 | 18.678877 | 78.564549 | 191.16 |
| 7 | 18.688305 | 78.519282 | 142.60 |
| 8 | 18.670112 | 78.514937 | 105.91 |
| 9 | 18.658771 | 78.507038 | 114.55 |
| 10 | 18.663387 | 78.509686 | 133.55 |
| 11 | 18.587145 | 78.581478 | 160.27 |
| 12 | 18.587036 | 78.598471 | 196.98 |
| 13 | 18.613323 | 78.582212 | 169.14 |
| 14 | 18.611559 | 78.570545 | 141.93 |
| 15 | 18.604375 | 78.556249 | 142.37 |
| 16 | 18.605279 | 78.561793 | 145.20 |
| 17 | 18.606813 | 78.564861 | 152.28 |
| 18 | 18.701346 | 78.575357 | 201.03 |
| 19 | 18.711488 | 78.599421 | 384.62 |

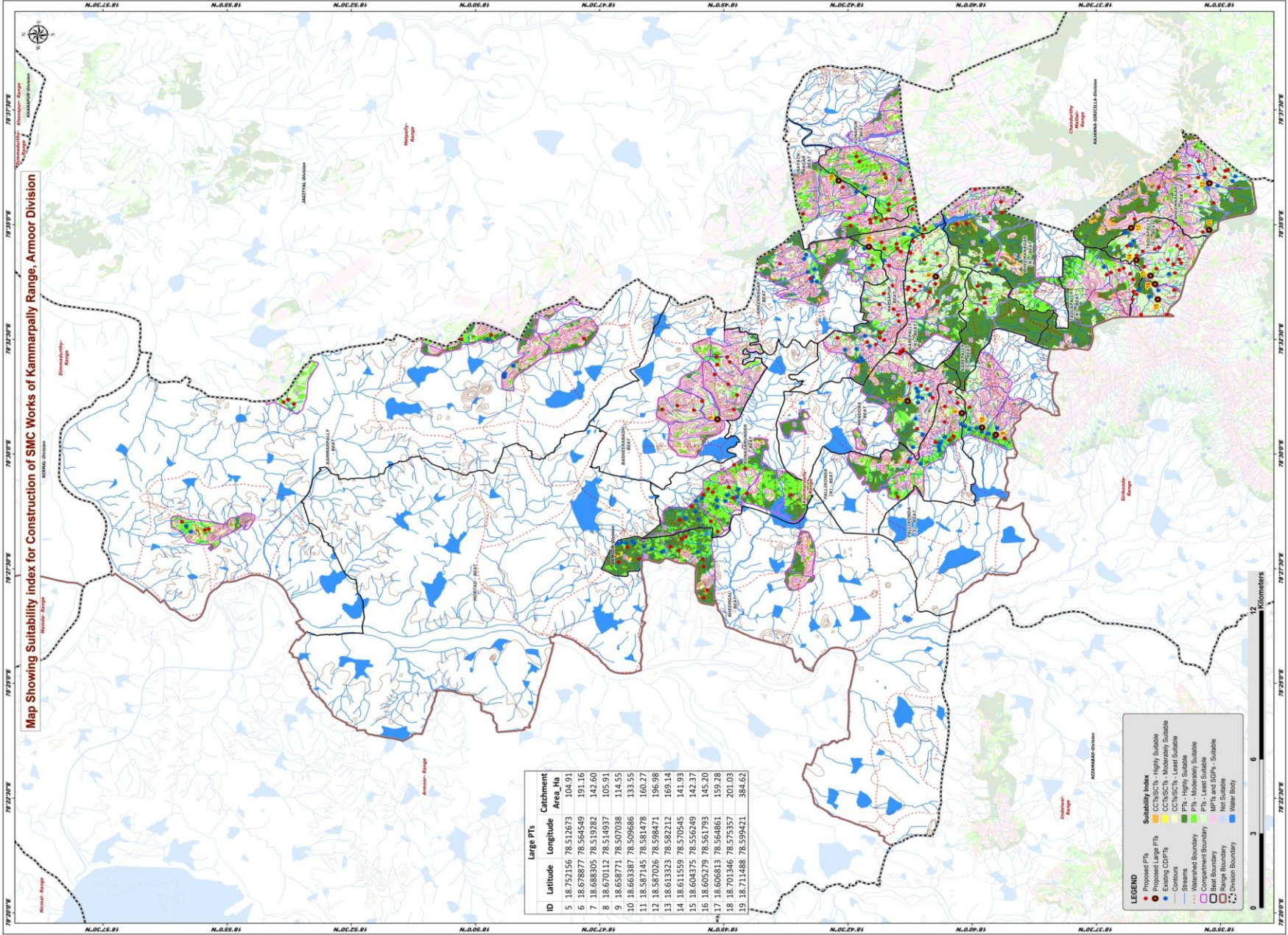
LEGEND

- Proposed PTs
- Existing CDDPTs
- Streams
- Watershed Boundary
- Basin Boundary
- Range Boundary
- Division Boundary
- Water Body

Suitability Index

- CC/HS/CTs - Highly Suitable
- CC/HS/CTs - Moderately Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable
- PTs - Least Suitable
- MPTs and SOPs - Suitable
- Not Suitable

0 3 6 9 12 Kilometers



Beat wise Abstract of Proposed PT's – Kammarpally Range

| S. No. | Beat | Proposed PT's |
|--------|-------------------|---------------|
| 1 | AMEERNAGAR | 3 |
| 2 | BASHEERABADH | 12 |
| 3 | BHEEMANAGAR NORTH | 9 |
| 4 | BHEEMGAL | 11 |
| 5 | BHEEMNAGAR SOUTH | 13 |
| 6 | INAYATH NAGAR | 11 |
| 7 | KAMMARPALLY | 9 |
| 8 | KAREPALLY NORTH | 21 |
| 9 | KAREPALLY SOUTH | 4 |
| 10 | KONAPUR | 8 |
| 11 | KONASAMUNDER | 13 |
| 12 | MENDORA | 5 |
| 13 | NARSAPUR | 18 |
| 14 | PALLIKONDA NORTH | 9 |
| 15 | PALLIKONDA SOUTH | 2 |
| 16 | TADLAPALLY NORTH | 7 |
| 17 | TADLAPALLY SOUTH | 20 |
| | Total | 175 |

List of Proposed PTs – Kammarpally 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 |
|----|-----------|-----------|-------------------|----------|--------------|-----|-----------|-----------|-------------------|----------|------------------|-----|-----------|-----------|-------------------|----------|-------------------|
| 37 | 18.770703 | 78.516299 | 13.93 | II | BASHEERABADH | 77 | 18.767909 | 78.466297 | 7.19 | I | BHEEMGAL | 117 | 18.675894 | 78.511759 | 13.48 | IV | PALLIKONDA NORTH |
| 38 | 18.746664 | 78.516257 | 13.39 | II | BASHEERABADH | 78 | 18.782428 | 78.466240 | 8.44 | I | BHEEMGAL | 118 | 18.671609 | 78.518634 | 12.17 | IV | PALLIKONDA NORTH |
| 39 | 18.765580 | 78.517654 | 15.28 | IV | BASHEERABADH | 79 | 18.764119 | 78.469260 | 9.31 | I | BHEEMGAL | 119 | 18.675812 | 78.517353 | 9.19 | IV | PALLIKONDA NORTH |
| 40 | 18.748853 | 78.535331 | 10.33 | IV | BASHEERABADH | 80 | 18.762824 | 78.470089 | 8.23 | II | BHEEMGAL | 120 | 18.674065 | 78.522563 | 18.11 | IV | PALLIKONDA NORTH |
| 41 | 18.748550 | 78.525435 | 10.50 | IV | BASHEERABADH | 81 | 18.757076 | 78.461921 | 6.53 | II | BHEEMGAL | 121 | 18.667550 | 78.517082 | 10.09 | II | PALLIKONDA SOUTH |
| 42 | 18.745523 | 78.521482 | 6.82 | IV | BASHEERABADH | 82 | 18.690796 | 78.537373 | 8.81 | I | KAREPALLY NORTH | 122 | 18.655674 | 78.505732 | 6.94 | II | PALLIKONDA SOUTH |
| 43 | 18.753110 | 78.528998 | 22.11 | IV | BASHEERABADH | 83 | 18.680852 | 78.558956 | 8.65 | I | KAREPALLY NORTH | 123 | 18.671851 | 78.583577 | 7.34 | I | BHEEMANAGAR NORTH |
| 44 | 18.757272 | 78.519295 | 8.32 | IV | BASHEERABADH | 84 | 18.678370 | 78.555463 | 19.01 | I | KAREPALLY NORTH | 124 | 18.660749 | 78.568867 | 6.82 | I | BHEEMANAGAR NORTH |
| 45 | 18.760038 | 78.516004 | 11.77 | IV | BASHEERABADH | 85 | 18.678452 | 78.572903 | 9.47 | II | KAREPALLY NORTH | 125 | 18.668551 | 78.583781 | 6.90 | I | BHEEMANAGAR NORTH |
| 46 | 18.748048 | 78.533496 | 9.86 | IV | BASHEERABADH | 86 | 18.687406 | 78.573177 | 8.53 | IV | KAREPALLY NORTH | 126 | 18.656578 | 78.587709 | 18.29 | I | BHEEMANAGAR NORTH |
| 47 | 18.752256 | 78.532546 | 33.33 | V | BASHEERABADH | 87 | 18.683145 | 78.579031 | 13.11 | IV | KAREPALLY NORTH | 127 | 18.660717 | 78.587564 | 10.80 | IV | BHEEMANAGAR NORTH |
| 48 | 18.752461 | 78.535352 | 32.77 | III | BASHEERABADH | 88 | 18.688039 | 78.560694 | 5.26 | IV | KAREPALLY NORTH | 128 | 18.662318 | 78.570382 | 11.59 | IV | BHEEMANAGAR NORTH |
| 49 | 18.896325 | 78.519814 | 18.65 | I | KAMMARPALLY | 89 | 18.685056 | 78.554535 | 12.84 | IV | KAREPALLY NORTH | 129 | 18.665664 | 78.596233 | 8.65 | IV | BHEEMANAGAR NORTH |
| 50 | 18.924249 | 78.472448 | 8.08 | II | KAMMARPALLY | 90 | 18.686951 | 78.566458 | 17.99 | IV | KAREPALLY NORTH | 130 | 18.657317 | 78.568762 | 7.54 | IV | BHEEMANAGAR NORTH |
| 51 | 18.897789 | 78.518947 | 7.39 | II | KAMMARPALLY | 91 | 18.684147 | 78.561114 | 4.99 | IV | KAREPALLY NORTH | 131 | 18.656972 | 78.591692 | 7.33 | IV | BHEEMANAGAR NORTH |
| 52 | 18.838067 | 78.541730 | 12.80 | II | KAMMARPALLY | 92 | 18.689862 | 78.538085 | 9.83 | IV | KAREPALLY NORTH | 132 | 18.621538 | 78.565182 | 15.59 | II | TADLAPALLY NORTH |
| 53 | 18.894311 | 78.518214 | 14.62 | II | KAMMARPALLY | 93 | 18.677475 | 78.568392 | 7.90 | IV | KAREPALLY NORTH | 133 | 18.620051 | 78.565988 | 10.10 | II | TADLAPALLY NORTH |
| 54 | 18.922952 | 78.472809 | 15.80 | II | KAMMARPALLY | 94 | 18.686311 | 78.562919 | 16.18 | IV | KAREPALLY NORTH | 134 | 18.613645 | 78.565517 | 5.92 | IV | TADLAPALLY NORTH |
| 55 | 18.796927 | 78.541983 | 11.29 | II | KAMMARPALLY | 95 | 18.691043 | 78.536478 | 13.01 | IV | KAREPALLY NORTH | 135 | 18.617293 | 78.566881 | 7.23 | IV | TADLAPALLY NORTH |
| 56 | 18.931883 | 78.475465 | 18.49 | II | KAMMARPALLY | 96 | 18.688345 | 78.559869 | 9.91 | IV | KAREPALLY NORTH | 136 | 18.615859 | 78.567599 | 5.51 | IV | TADLAPALLY NORTH |
| 57 | 18.828109 | 78.543311 | 33.04 | III | KAMMARPALLY | 97 | 18.684610 | 78.553607 | 8.85 | IV | KAREPALLY NORTH | 137 | 18.612500 | 78.559101 | 7.21 | IV | TADLAPALLY NORTH |
| 58 | 18.760805 | 78.481014 | 9.74 | I | KONASAMUNDER | 98 | 18.679067 | 78.561921 | 10.83 | IV | KAREPALLY NORTH | 138 | 18.612644 | 78.563511 | 10.95 | IV | TADLAPALLY NORTH |
| 59 | 18.727591 | 78.485225 | 10.43 | I | KONASAMUNDER | 99 | 18.682843 | 78.570728 | 15.51 | IV | KAREPALLY NORTH | 139 | 18.598844 | 78.559644 | 15.98 | I | TADLAPALLY SOUTH |
| 60 | 18.764804 | 78.476058 | 9.18 | I | KONASAMUNDER | 100 | 18.687397 | 78.556276 | 20.06 | IV | KAREPALLY NORTH | 140 | 18.604843 | 78.567450 | 6.33 | II | TADLAPALLY SOUTH |
| 61 | 18.746867 | 78.484107 | 24.44 | I | KONASAMUNDER | 101 | 18.685960 | 78.559588 | 22.60 | IV | KAREPALLY NORTH | 141 | 18.597865 | 78.575758 | 8.68 | II | TADLAPALLY SOUTH |
| 62 | 18.748305 | 78.488002 | 6.58 | II | KONASAMUNDER | 102 | 18.686495 | 78.577311 | 25.22 | V | KAREPALLY NORTH | 142 | 18.609945 | 78.550722 | 18.24 | IV | TADLAPALLY SOUTH |
| 63 | 18.742873 | 78.494880 | 5.75 | II | KONASAMUNDER | 103 | 18.665199 | 78.552463 | 14.21 | I | KAREPALLY SOUTH | 143 | 18.609410 | 78.573683 | 9.67 | IV | TADLAPALLY SOUTH |
| 64 | 18.746543 | 78.496121 | 18.51 | II | KONASAMUNDER | 104 | 18.662423 | 78.554969 | 5.46 | IV | KAREPALLY SOUTH | 144 | 18.597176 | 78.570749 | 6.70 | IV | TADLAPALLY SOUTH |
| 65 | 18.752083 | 78.471869 | 11.24 | II | KONASAMUNDER | 105 | 18.662535 | 78.556904 | 11.15 | IV | KAREPALLY SOUTH | 145 | 18.608923 | 78.568111 | 8.15 | IV | TADLAPALLY SOUTH |
| 66 | 18.753757 | 78.486242 | 8.52 | II | KONASAMUNDER | 106 | 18.664890 | 78.561081 | 28.09 | V | KAREPALLY SOUTH | 146 | 18.599250 | 78.581982 | 8.49 | IV | TADLAPALLY SOUTH |
| 67 | 18.754396 | 78.475676 | 18.01 | II | KONASAMUNDER | 107 | 18.683851 | 78.524888 | 10.26 | IV | MENDORA | 147 | 18.600932 | 78.570591 | 8.62 | IV | TADLAPALLY SOUTH |
| 68 | 18.742281 | 78.485824 | 14.85 | II | KONASAMUNDER | 108 | 18.685160 | 78.509274 | 6.02 | IV | MENDORA | 148 | 18.598566 | 78.565831 | 5.55 | IV | TADLAPALLY SOUTH |
| 69 | 18.755283 | 78.487318 | 5.53 | II | KONASAMUNDER | 109 | 18.687705 | 78.525864 | 8.15 | IV | MENDORA | 149 | 18.599150 | 78.568993 | 5.64 | IV | TADLAPALLY SOUTH |
| 70 | 18.756916 | 78.485346 | 24.87 | II | KONASAMUNDER | 110 | 18.681763 | 78.523640 | 5.69 | IV | MENDORA | 150 | 18.596547 | 78.569441 | 5.48 | IV | TADLAPALLY SOUTH |
| 71 | 18.755610 | 78.450640 | 7.95 | I | BHEEMGAL | 111 | 18.679959 | 78.520536 | 6.41 | IV | MENDORA | 151 | 18.605331 | 78.574541 | 8.88 | IV | TADLAPALLY SOUTH |
| 72 | 18.756791 | 78.459192 | 9.39 | I | BHEEMGAL | 112 | 18.672946 | 78.506570 | 11.65 | I | PALLIKONDA NORTH | 152 | 18.596538 | 78.574625 | 9.89 | IV | TADLAPALLY SOUTH |
| 73 | 18.756770 | 78.447825 | 9.80 | I | BHEEMGAL | 113 | 18.688201 | 78.497268 | 13.19 | II | PALLIKONDA NORTH | 153 | 18.601342 | 78.550729 | 15.88 | IV | TADLAPALLY SOUTH |
| 74 | 18.778553 | 78.461952 | 15.13 | I | BHEEMGAL | 114 | 18.674330 | 78.505156 | 5.62 | II | PALLIKONDA NORTH | 154 | 18.611499 | 78.572218 | 6.79 | IV | TADLAPALLY SOUTH |
| 75 | 18.785323 | 78.460801 | 7.30 | I | BHEEMGAL | 115 | 18.678903 | 78.504379 | 5.74 | II | PALLIKONDA NORTH | 155 | 18.612843 | 78.556219 | 8.70 | IV | TADLAPALLY SOUTH |
| 76 | 18.765128 | 78.465011 | 9.80 | I | BHEEMGAL | 116 | 18.691618 | 78.484435 | 8.02 | II | PALLIKONDA NORTH | 156 | 18.604057 | 78.575147 | 9.72 | IV | TADLAPALLY SOUTH |

List of Proposed PTs – Kammarpally Range

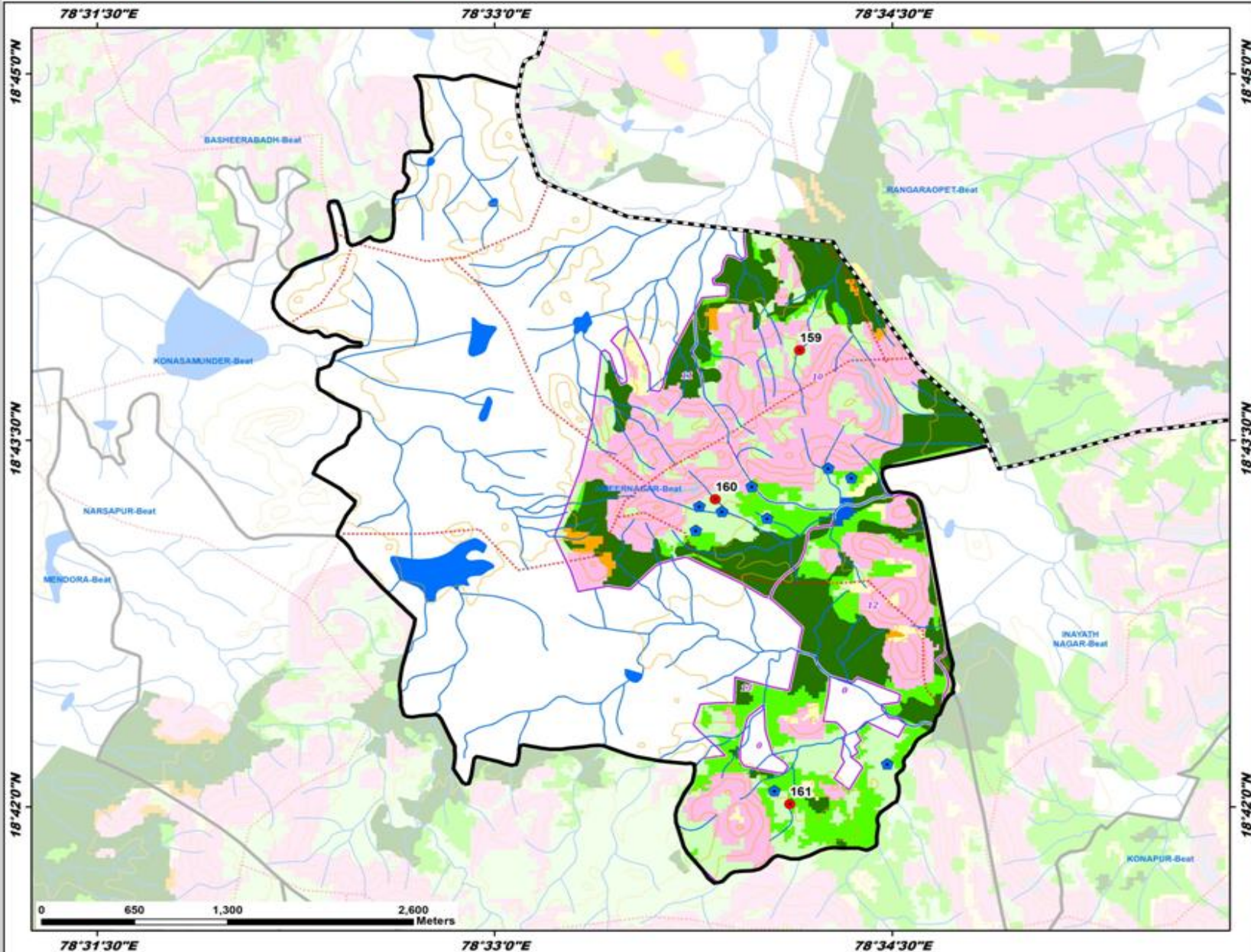
| ID | Latitude | Longitude | Catchment Area_Ha | Priority | Beat |
|-----|-----------|-----------|-------------------|----------|------------------|
| 157 | 18.611471 | 78.558118 | 9.25 | IV | TADLAPALLY SOUTH |
| 158 | 18.614680 | 78.575664 | 44.66 | V | TADLAPALLY SOUTH |
| 159 | 18.731160 | 78.569190 | 15.45 | IV | AMEERNAGAR |
| 160 | 18.720987 | 78.563876 | 7.04 | IV | AMEERNAGAR |
| 161 | 18.700204 | 78.568565 | 9.79 | IV | AMEERNAGAR |
| 162 | 18.604041 | 78.597069 | 15.26 | I | BHEEMNAGAR SOUTH |
| 163 | 18.585610 | 78.591344 | 11.41 | IV | BHEEMNAGAR SOUTH |
| 164 | 18.593783 | 78.597448 | 7.48 | IV | BHEEMNAGAR SOUTH |
| 165 | 18.580832 | 78.603376 | 11.25 | IV | BHEEMNAGAR SOUTH |
| 166 | 18.593861 | 78.604872 | 7.89 | IV | BHEEMNAGAR SOUTH |
| 167 | 18.585282 | 78.603743 | 15.26 | IV | BHEEMNAGAR SOUTH |
| 168 | 18.591643 | 78.595495 | 8.93 | IV | BHEEMNAGAR SOUTH |
| 169 | 18.612188 | 78.585436 | 14.11 | IV | BHEEMNAGAR SOUTH |
| 170 | 18.590676 | 78.606436 | 7.17 | IV | BHEEMNAGAR SOUTH |
| 171 | 18.589247 | 78.580717 | 7.62 | IV | BHEEMNAGAR SOUTH |
| 172 | 18.581714 | 78.602940 | 8.84 | IV | BHEEMNAGAR SOUTH |
| 173 | 18.590778 | 78.600528 | 4.51 | IV | BHEEMNAGAR SOUTH |
| 174 | 18.581924 | 78.600603 | 32.29 | V | BHEEMNAGAR SOUTH |
| 175 | 18.710036 | 78.597009 | 6.99 | II | INAYATH NAGAR |
| 176 | 18.697168 | 78.584886 | 17.45 | II | INAYATH NAGAR |
| 177 | 18.695451 | 78.585493 | 8.06 | II | INAYATH NAGAR |
| 178 | 18.686682 | 78.588994 | 8.42 | II | INAYATH NAGAR |
| 179 | 18.707764 | 78.585884 | 19.07 | II | INAYATH NAGAR |
| 180 | 18.682605 | 78.581677 | 7.51 | II | INAYATH NAGAR |
| 181 | 18.723413 | 78.587336 | 5.86 | II | INAYATH NAGAR |
| 182 | 18.701028 | 78.585256 | 7.86 | II | INAYATH NAGAR |
| 183 | 18.699006 | 78.585863 | 5.71 | II | INAYATH NAGAR |
| 184 | 18.707460 | 78.583057 | 10.06 | II | INAYATH NAGAR |
| 185 | 18.700742 | 78.584017 | 29.48 | V | INAYATH NAGAR |
| 186 | 18.694669 | 78.588715 | 10.56 | I | KONAPUR |
| 187 | 18.705525 | 78.608163 | 10.03 | II | KONAPUR |
| 188 | 18.694652 | 78.590892 | 11.57 | II | KONAPUR |
| 189 | 18.686172 | 78.592846 | 23.08 | II | KONAPUR |
| 190 | 18.696116 | 78.601861 | 10.20 | II | KONAPUR |
| 191 | 18.690850 | 78.599584 | 7.29 | II | KONAPUR |
| 192 | 18.695618 | 78.600308 | 5.77 | II | KONAPUR |
| 193 | 18.704538 | 78.606319 | 10.47 | II | KONAPUR |
| 194 | 18.697530 | 78.544303 | 7.12 | I | NARSAPUR |
| 195 | 18.692042 | 78.576445 | 16.61 | II | NARSAPUR |
| 196 | 18.690649 | 78.573603 | 9.67 | II | NARSAPUR |

| ID | Latitude | Longitude | Catchment Area_Ha | Priority | Beat |
|-----|-----------|-----------|-------------------|----------|----------|
| 197 | 18.696240 | 78.574618 | 8.69 | II | NARSAPUR |
| 198 | 18.691265 | 78.548291 | 11.97 | IV | NARSAPUR |
| 199 | 18.696231 | 78.541431 | 12.72 | IV | NARSAPUR |
| 200 | 18.696341 | 78.558334 | 9.10 | IV | NARSAPUR |
| 201 | 18.701854 | 78.540800 | 7.74 | IV | NARSAPUR |
| 202 | 18.711831 | 78.542214 | 14.02 | IV | NARSAPUR |
| 203 | 18.691746 | 78.574770 | 10.71 | IV | NARSAPUR |
| 204 | 18.693434 | 78.561193 | 6.23 | IV | NARSAPUR |
| 205 | 18.697078 | 78.576948 | 18.55 | IV | NARSAPUR |
| 206 | 18.697643 | 78.542174 | 7.26 | IV | NARSAPUR |
| 207 | 18.694640 | 78.568518 | 5.30 | IV | NARSAPUR |
| 208 | 18.699052 | 78.539852 | 5.31 | IV | NARSAPUR |
| 209 | 18.693079 | 78.552700 | 5.44 | IV | NARSAPUR |
| 210 | 18.697839 | 78.554366 | 8.98 | IV | NARSAPUR |
| 211 | 18.691593 | 78.550623 | 6.72 | IV | NARSAPUR |

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

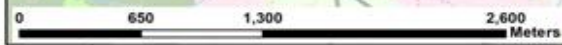


Division : Armour
Range : Kammarpally

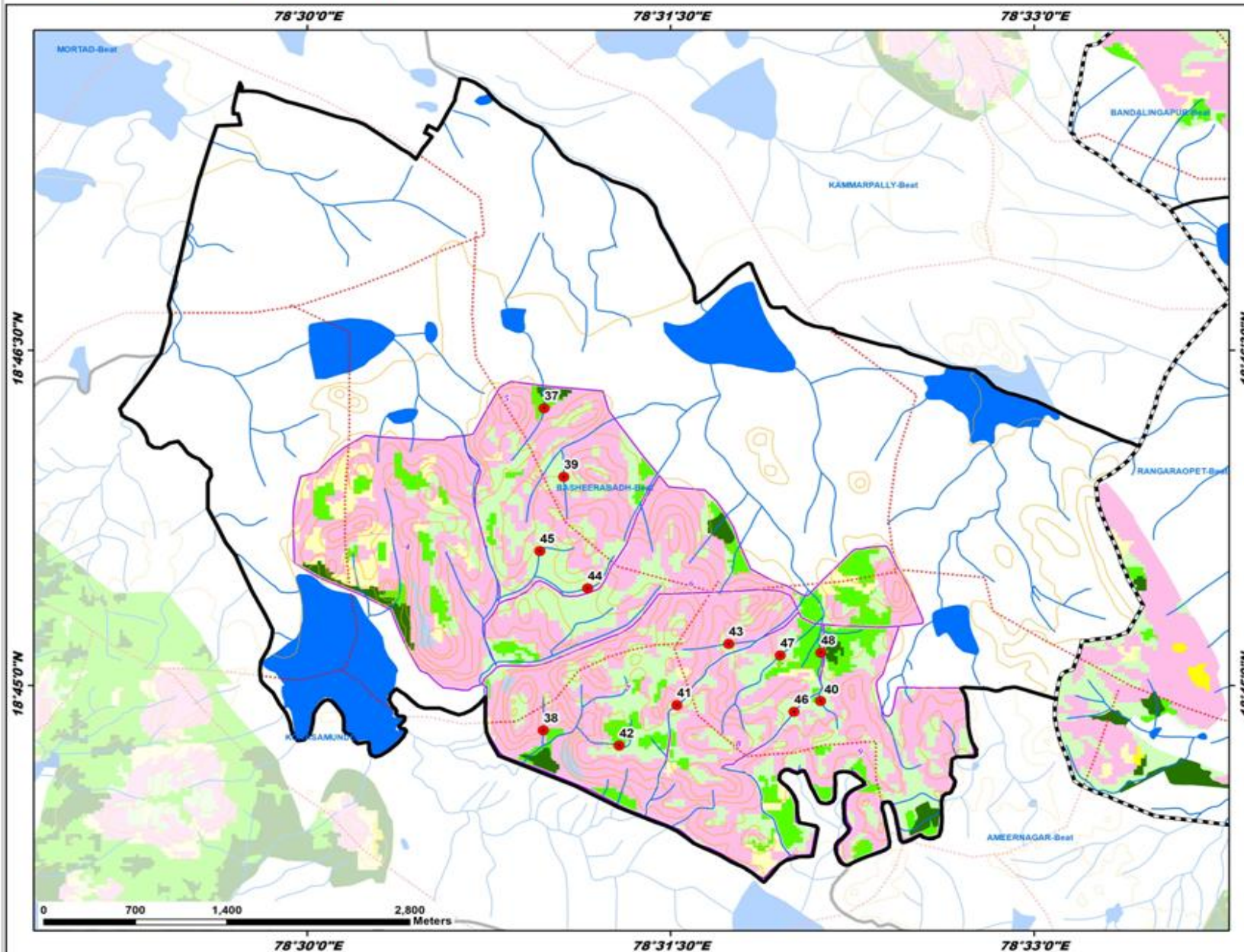


| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 159 | 18.731160 | 78.569290 | 25.45 | IV |
| 160 | 18.720987 | 78.563876 | 7.04 | IV |
| 161 | 18.700204 | 78.568565 | 9.79 | IV |

- 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 Basheerabadh Beat



Division : Armour
Range : Kammarpally

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|----|-----------|-----------|-------------------|----------|
| 37 | 18.770703 | 78.516299 | 13.93 | III |
| 38 | 18.746664 | 78.516257 | 13.39 | III |
| 39 | 18.765580 | 78.517654 | 15.28 | IV |
| 40 | 18.748853 | 78.535331 | 10.33 | IV |
| 41 | 18.748530 | 78.525435 | 10.50 | IV |
| 42 | 18.745523 | 78.521462 | 6.82 | IV |
| 43 | 18.753110 | 78.528998 | 22.11 | IV |
| 44 | 18.757272 | 78.519295 | 8.32 | IV |
| 45 | 18.760038 | 78.516004 | 11.77 | IV |
| 46 | 18.748048 | 78.533496 | 9.86 | IV |
| 47 | 18.752256 | 78.532546 | 33.33 | V |
| 48 | 18.752461 | 78.535352 | 32.77 | III |

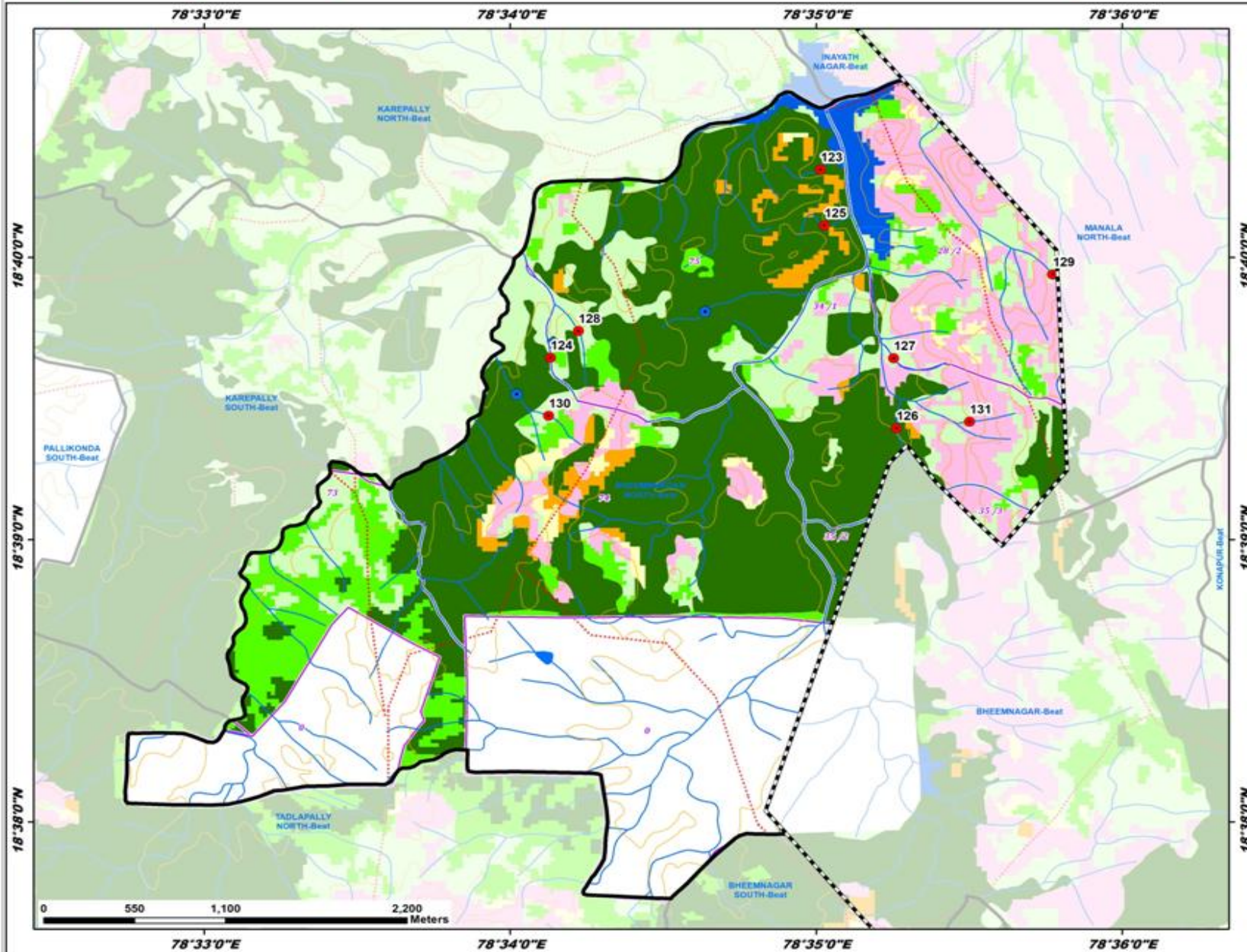
LEGEND

- 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 SGPts - Suitable
- Not Suitable
- Water Body

Map Showing Suitability Index for Construction of SMC Works of Bheemanagar North Beat



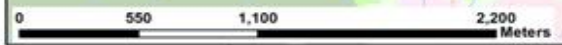
Division : Armour
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 123 | 18.671851 | 78.583577 | 7.34 | I |
| 124 | 18.660749 | 78.568867 | 6.82 | I |
| 125 | 18.668551 | 78.583781 | 6.90 | I |
| 126 | 18.656578 | 78.587709 | 18.29 | I |
| 127 | 18.660717 | 78.587564 | 10.80 | IV |
| 128 | 18.662318 | 78.570382 | 11.59 | IV |
| 129 | 18.665664 | 78.596233 | 8.65 | IV |
| 130 | 18.657317 | 78.568762 | 7.54 | IV |
| 131 | 18.666972 | 78.591692 | 7.33 | IV |

LEGEND

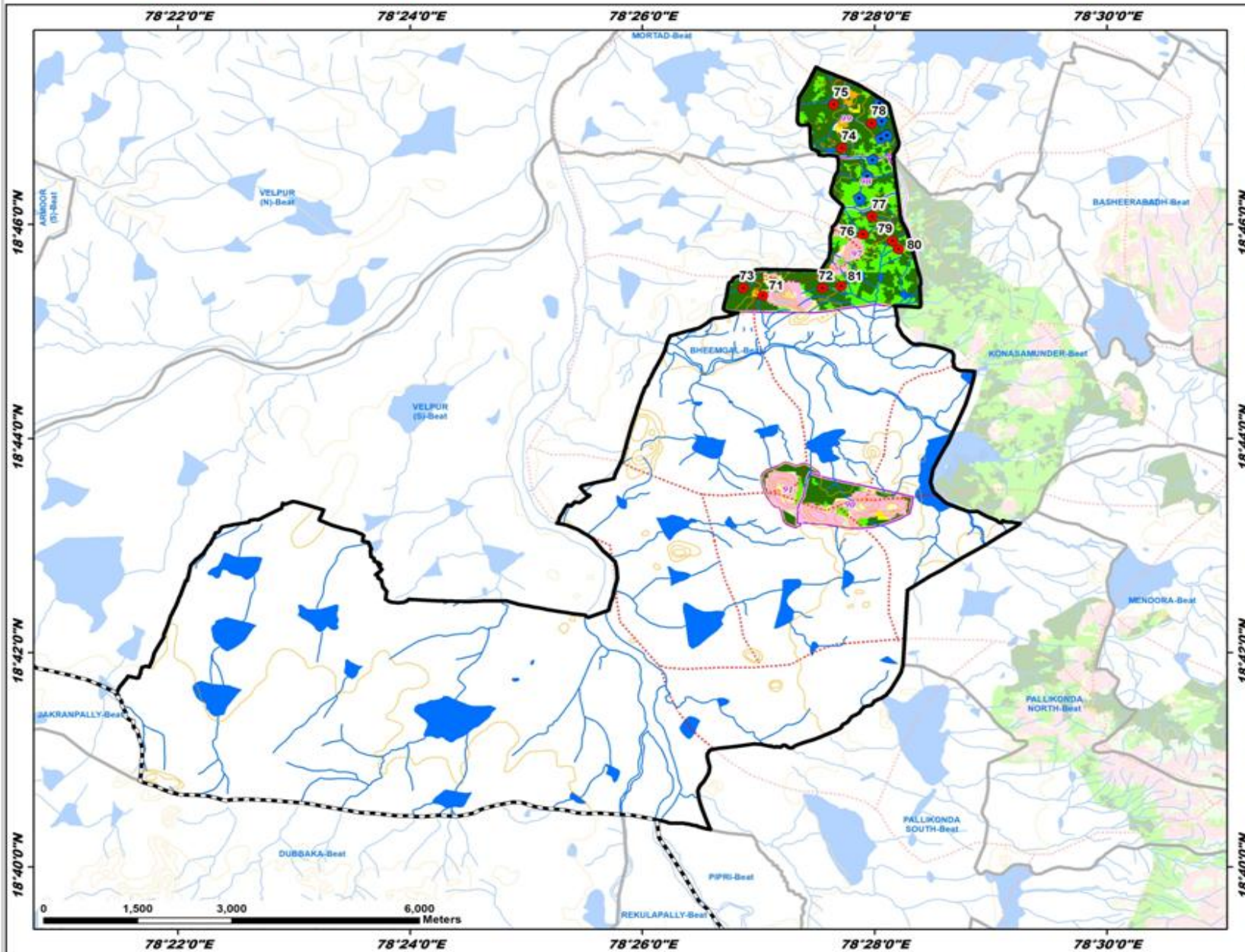
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable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



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



Division : Armour
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|----|-----------|-----------|-------------------|----------|
| 71 | 18.755610 | 78.450640 | 7.95 | I |
| 72 | 18.756791 | 78.459192 | 9.39 | I |
| 73 | 18.756770 | 78.447825 | 9.80 | I |
| 74 | 18.778553 | 78.461952 | 15.13 | I |
| 75 | 18.785123 | 78.460801 | 7.30 | I |
| 76 | 18.765128 | 78.465011 | 9.80 | I |
| 77 | 18.767909 | 78.466297 | 7.19 | I |
| 78 | 18.782428 | 78.466240 | 8.44 | I |
| 79 | 18.764119 | 78.469260 | 9.31 | I |
| 80 | 18.762824 | 78.470089 | 8.23 | II |
| 81 | 18.757076 | 78.461921 | 6.53 | II |

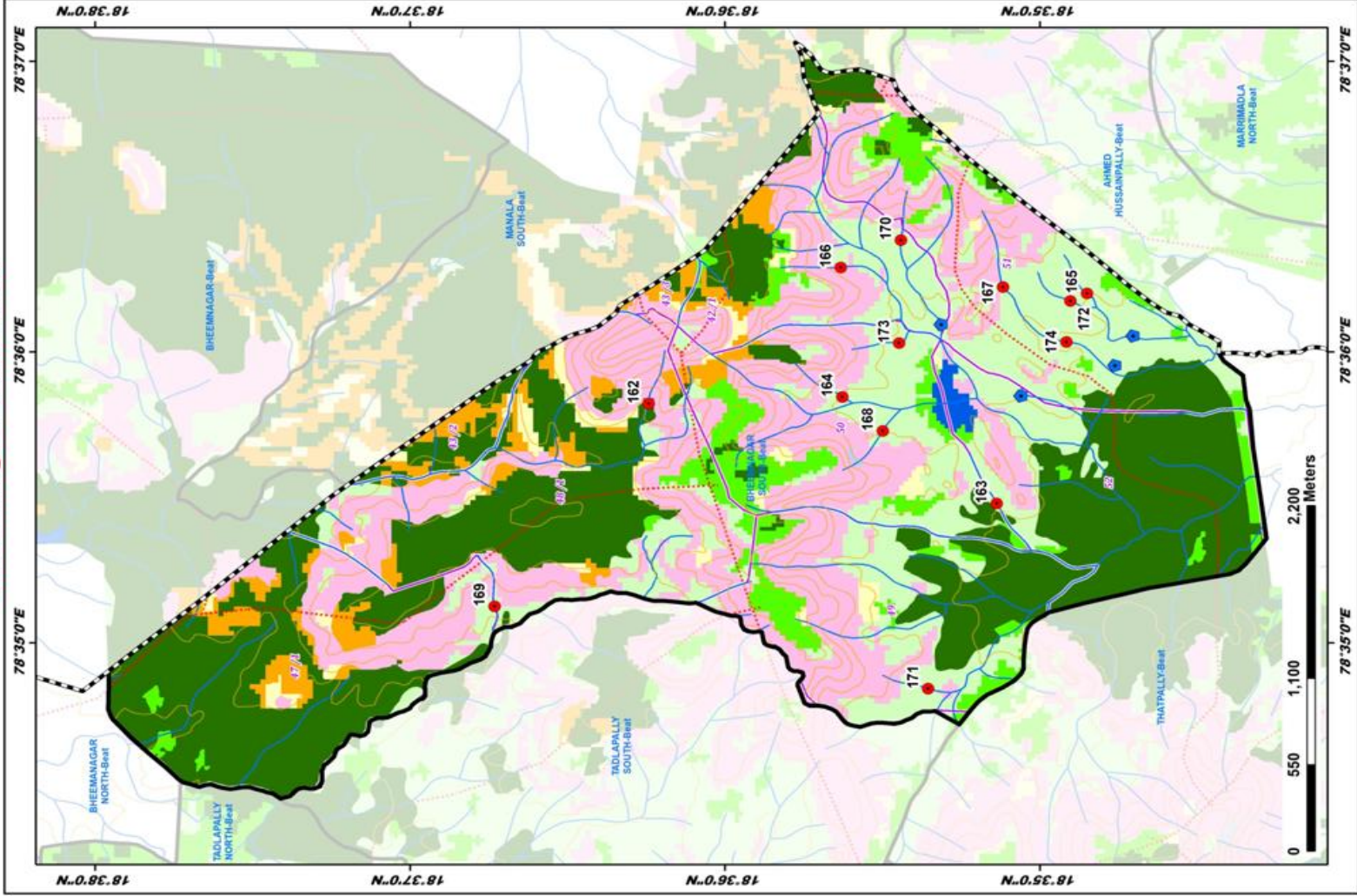
LEGEND

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

Map Showing Suitability Index for Construction of SMC Works of Bheemnagar South Beat



Division : Armour
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 162 | 18.604041 | 78.597069 | 15.26 | I |
| 163 | 18.585610 | 78.593344 | 11.41 | IV |
| 164 | 18.593783 | 78.597448 | 7.48 | IV |
| 165 | 18.580832 | 78.603376 | 11.25 | IV |
| 166 | 18.593861 | 78.600872 | 7.89 | IV |
| 167 | 18.585282 | 78.607743 | 15.26 | IV |
| 168 | 18.591643 | 78.595495 | 8.93 | IV |
| 169 | 18.612188 | 78.584336 | 14.11 | IV |
| 170 | 18.590676 | 78.606436 | 2.17 | IV |
| 171 | 18.589247 | 78.580717 | 7.62 | IV |
| 172 | 18.581714 | 78.602940 | 8.84 | IV |
| 173 | 18.590778 | 78.606528 | 4.51 | IV |
| 174 | 18.581024 | 78.600603 | 32.29 | V |

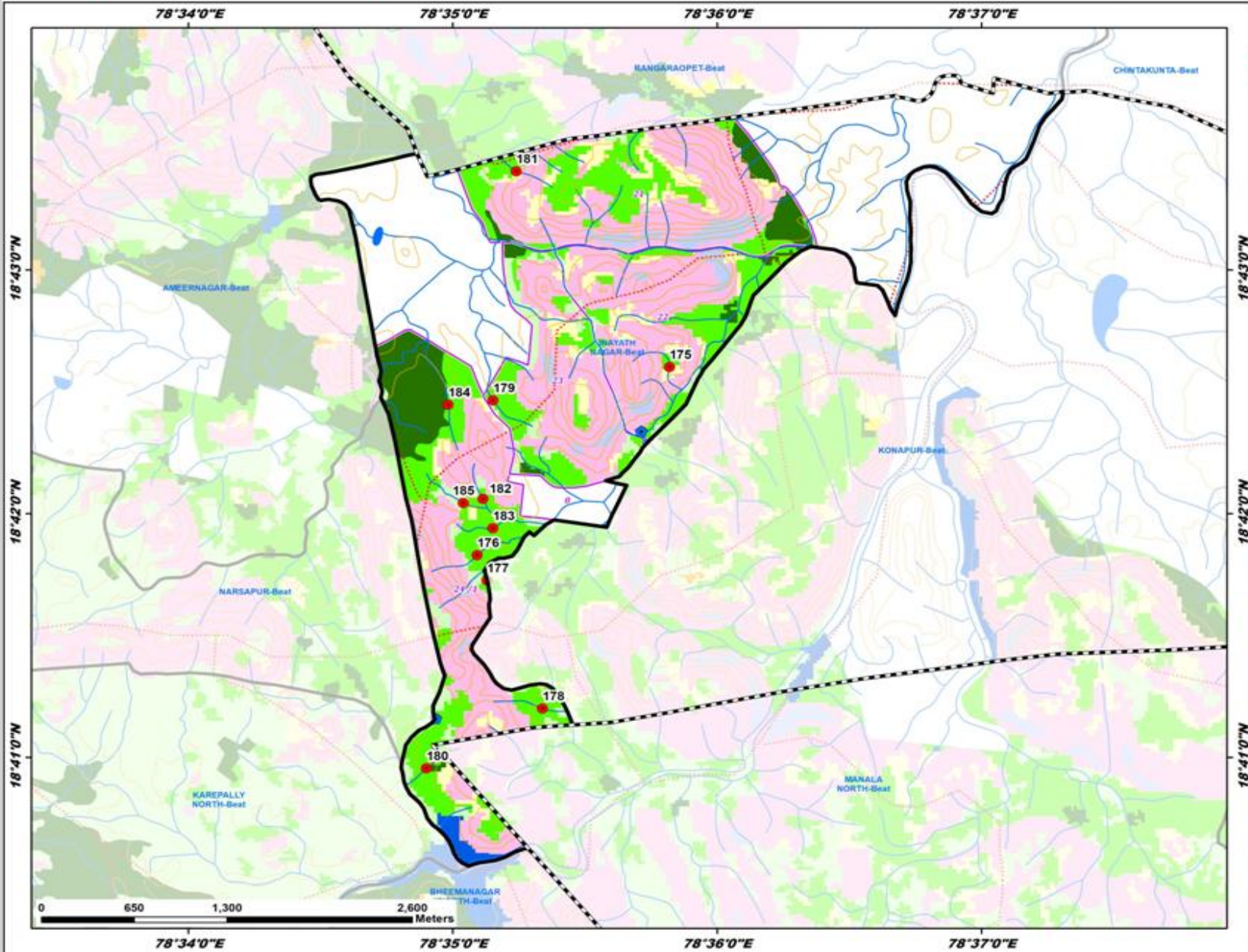
LEGEND

- Proposed PTIs
- Existing CDIPs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- Beat Boundary
- Division Boundary

SUITABILITY INDEX

- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTIs - Highly Suitable
- PTIs - Moderately Suitable
- PTIs - Least Suitable
- MPTIs and SGPs - Suitable
- Not Suitable
- Water Body

Map Showing Suitability Index for Construction of SMC Works of Inayath Nagar Beat



Division : Armour
Range : Kammarpally

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 175 | 18.710036 | 78.597009 | 6.99 | III |
| 176 | 18.697168 | 78.584886 | 17.45 | III |
| 177 | 18.695451 | 78.585493 | 8.06 | III |
| 178 | 18.686682 | 78.588994 | 8.42 | III |
| 179 | 18.707764 | 78.585884 | 19.07 | III |
| 180 | 18.682605 | 78.581677 | 7.51 | III |
| 181 | 18.723413 | 78.587336 | 5.86 | III |
| 182 | 18.701028 | 78.585256 | 7.86 | III |
| 183 | 18.699006 | 78.585863 | 5.71 | III |
| 184 | 18.707460 | 78.583057 | 10.06 | III |
| 185 | 18.700742 | 78.584017 | 29.48 | V |

LEGEND

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

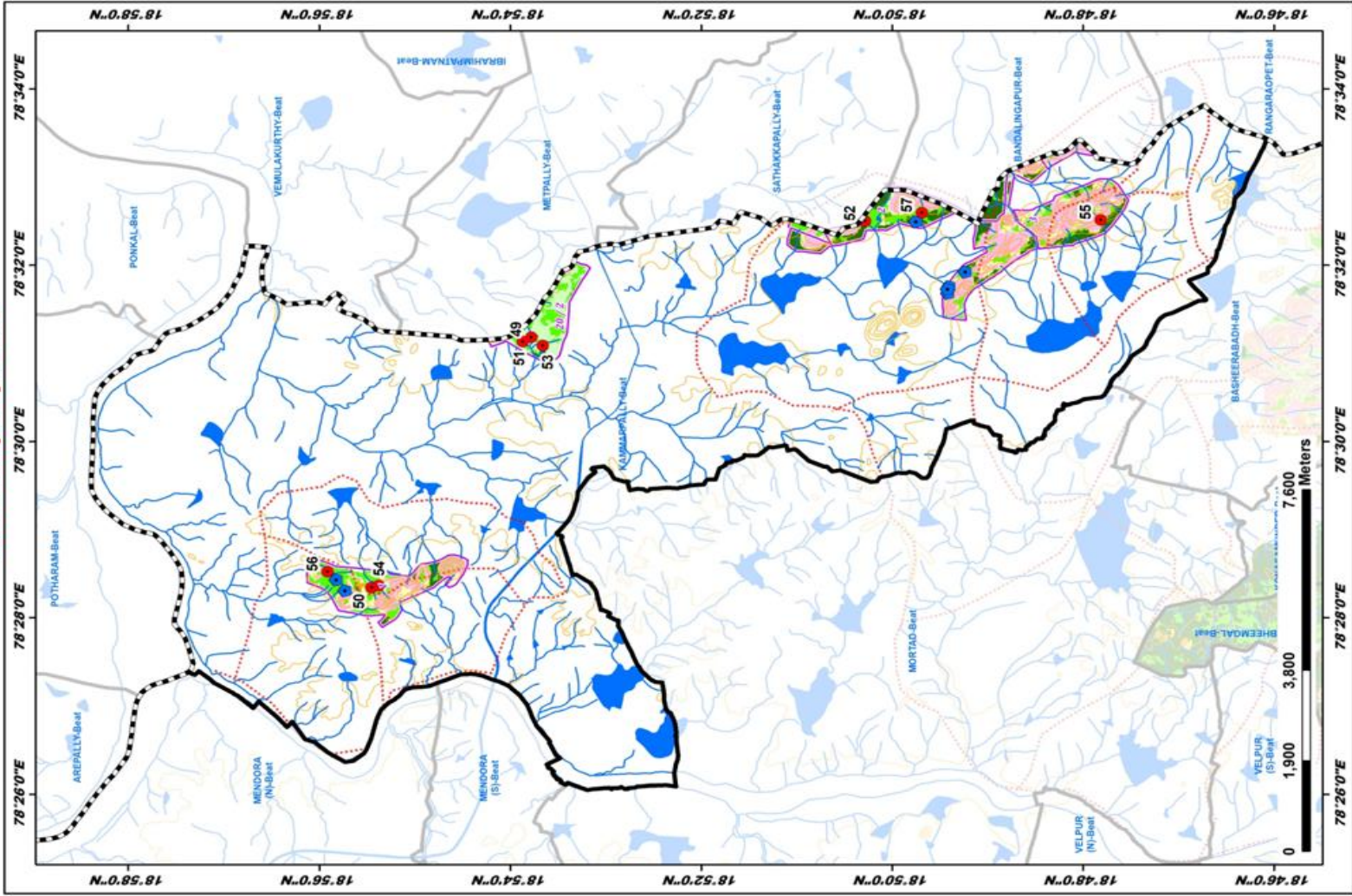
Suitability Index

- 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 Kammarpally Beat



Division : Armoor
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|----|-----------|-----------|-------------------|----------|
| 49 | 18.896325 | 78.519814 | 18.65 | I |
| 50 | 18.924249 | 78.472448 | 8.08 | II |
| 51 | 18.897789 | 78.519947 | 7.39 | II |
| 52 | 18.838067 | 78.541790 | 12.80 | II |
| 53 | 18.894811 | 78.519214 | 14.62 | II |
| 54 | 18.922952 | 78.472009 | 15.80 | II |
| 55 | 18.799277 | 78.541983 | 11.29 | II |
| 56 | 18.918883 | 78.475465 | 18.49 | II |
| 57 | 18.820109 | 78.543311 | 31.04 | III |

LEGEND

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

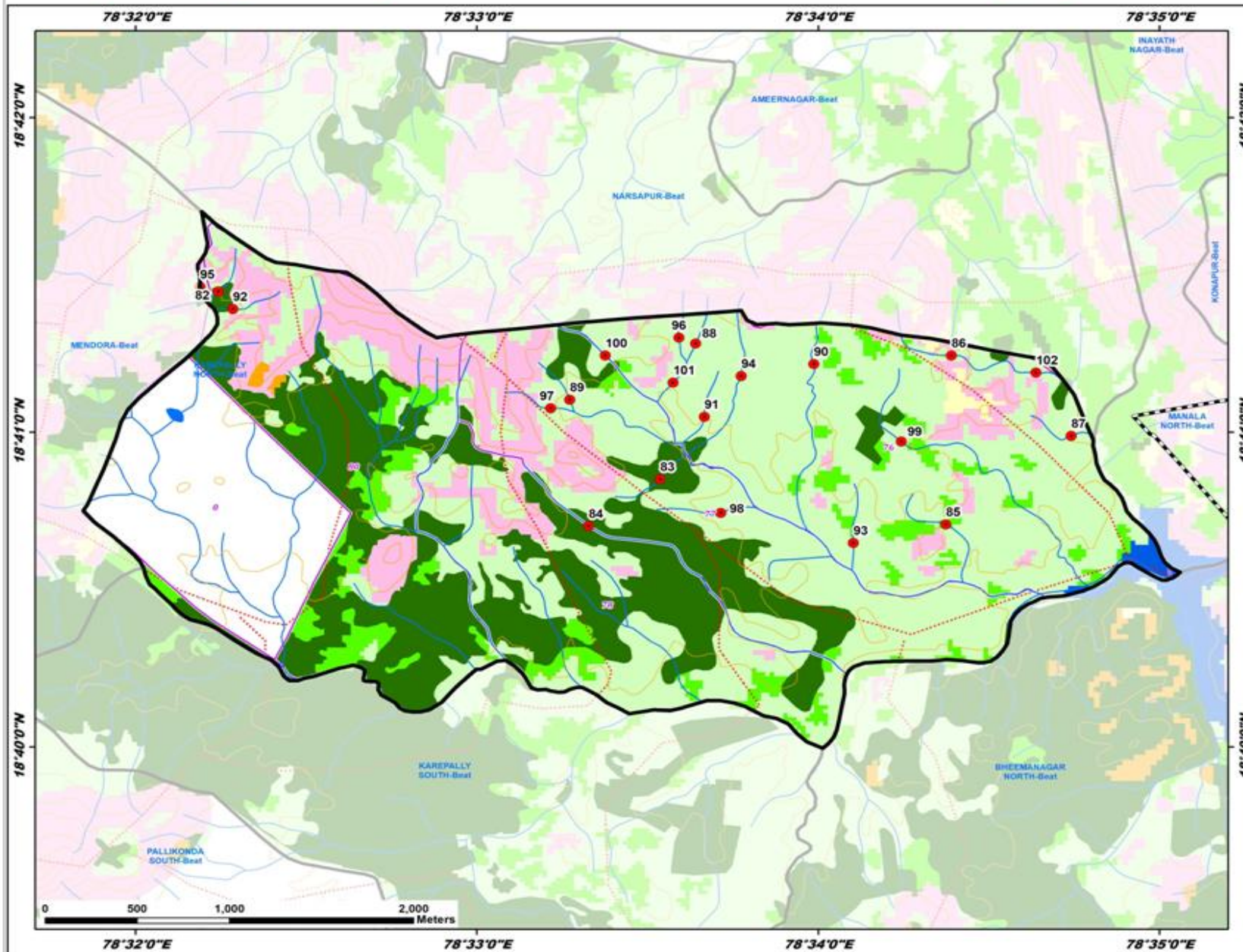
SUITABILITY INDEX

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

Map Showing Suitability Index for Construction of SMC Works of Karepally North Beat



Division : Armour
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 82 | 18.690796 | 78.537373 | 8.81 | I |
| 83 | 18.680852 | 78.558956 | 8.65 | I |
| 84 | 18.678370 | 78.555463 | 19.01 | I |
| 85 | 18.678452 | 78.572903 | 9.47 | II |
| 86 | 18.687406 | 78.573177 | 5.53 | IV |
| 87 | 18.683145 | 78.579031 | 13.11 | IV |
| 88 | 18.688039 | 78.560694 | 5.26 | IV |
| 89 | 18.685056 | 78.554535 | 12.84 | IV |
| 90 | 18.686951 | 78.566458 | 17.99 | IV |
| 91 | 18.684147 | 78.561114 | 4.99 | IV |
| 92 | 18.689962 | 78.538085 | 9.83 | IV |
| 93 | 18.677475 | 78.568392 | 7.90 | IV |
| 94 | 18.686311 | 78.562319 | 16.18 | IV |
| 95 | 18.691043 | 78.536478 | 13.01 | IV |
| 96 | 18.688345 | 78.559869 | 5.91 | IV |
| 97 | 18.684610 | 78.553607 | 8.85 | IV |
| 98 | 18.679067 | 78.561921 | 10.83 | IV |
| 99 | 18.682843 | 78.570728 | 15.51 | IV |
| 100 | 18.687397 | 78.556276 | 20.06 | IV |
| 101 | 18.685960 | 78.559588 | 22.60 | IV |
| 102 | 18.686495 | 78.577311 | 25.22 | V |

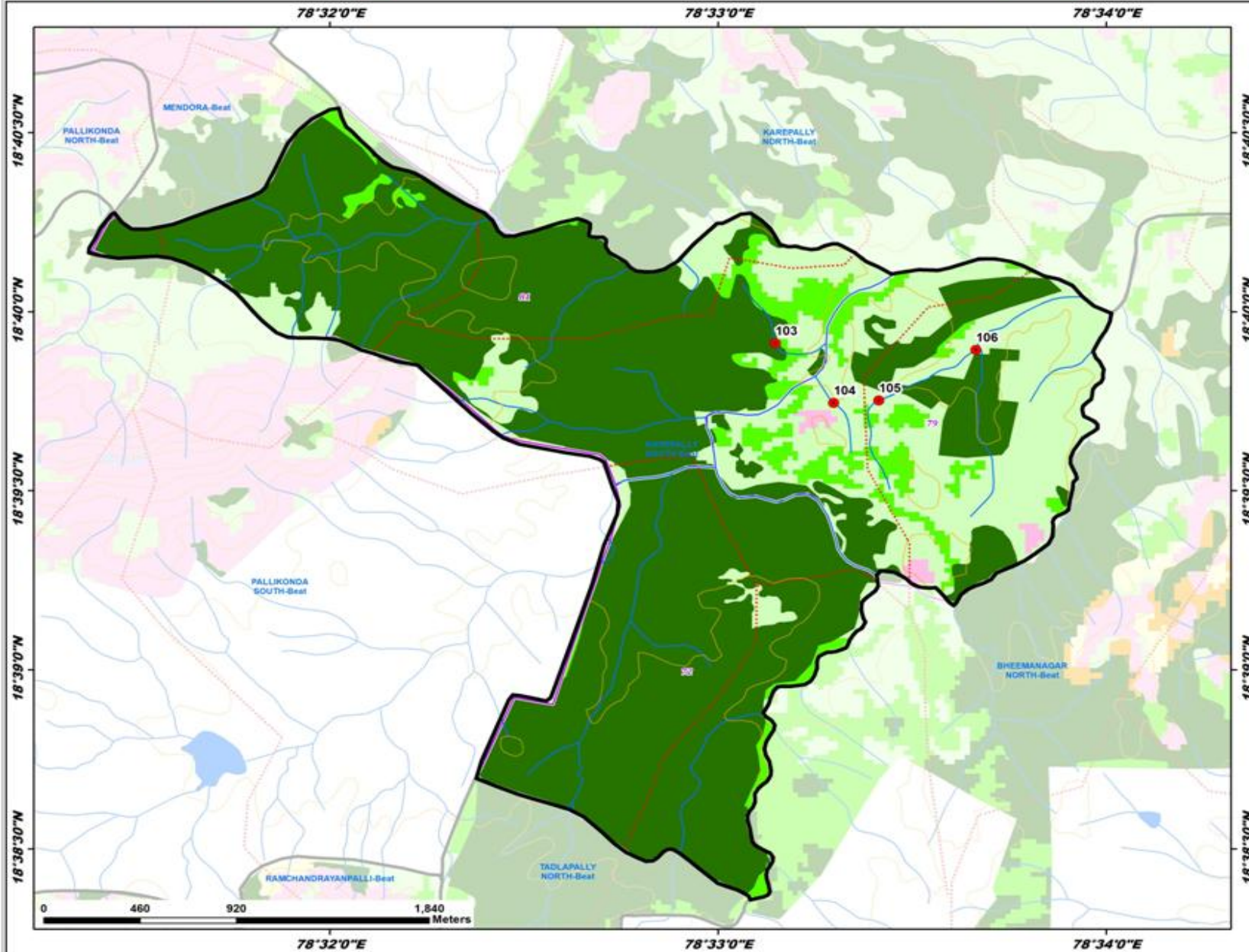
LEGEND

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

Map Showing Suitability Index for Construction of SMC Works of Karepally South Beat



Division : Armour
Range : Kammarpally



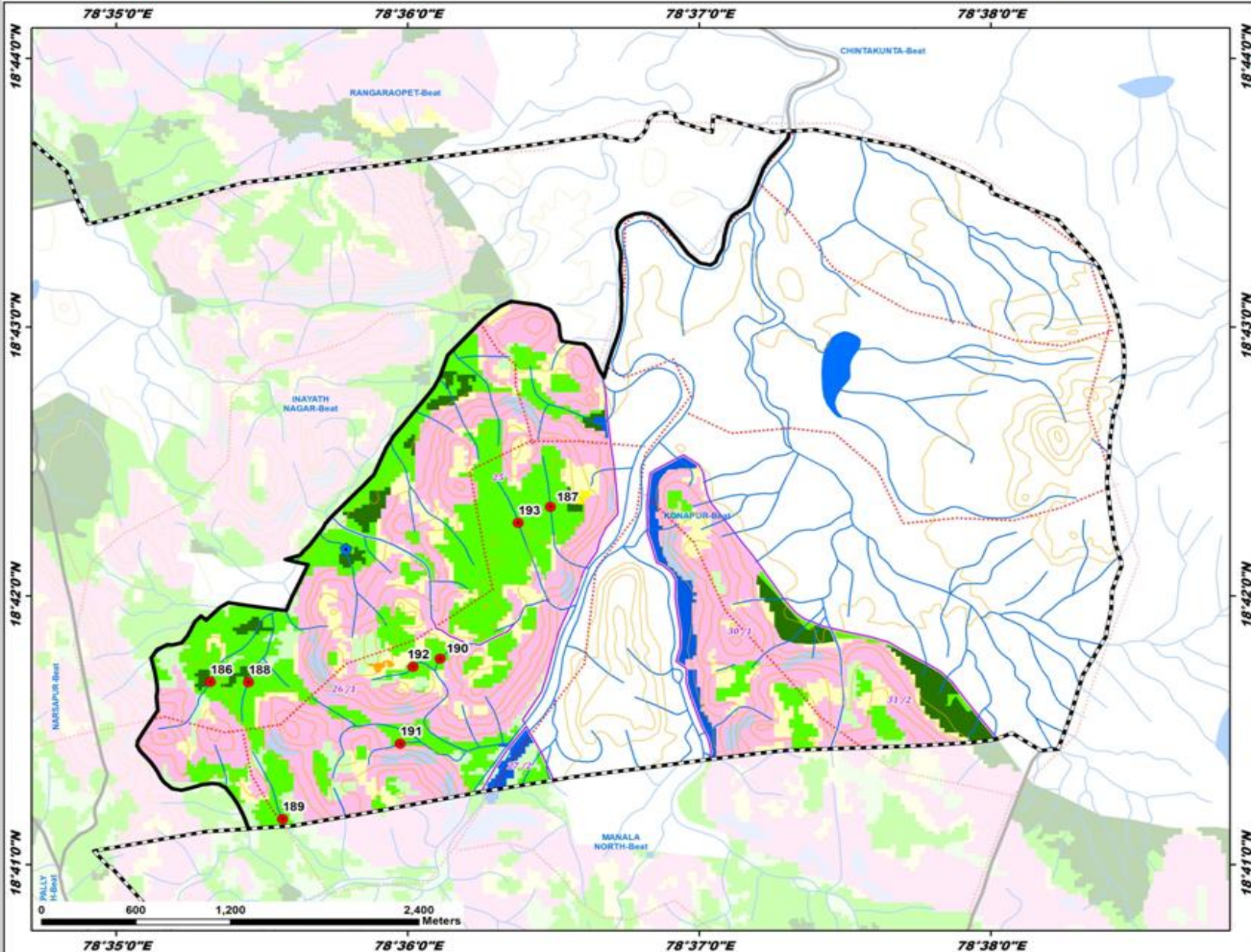
| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 103 | 18.665199 | 78.552463 | 14.21 | I |
| 104 | 18.662423 | 78.554969 | 5.46 | IV |
| 105 | 18.662535 | 78.556904 | 11.15 | IV |
| 106 | 18.664890 | 78.561081 | 28.09 | V |

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

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



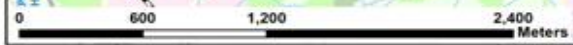
Division : Armour
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 186 | 18.694669 | 78.588715 | 10.56 | I |
| 187 | 18.705525 | 78.608363 | 10.03 | II |
| 188 | 18.694652 | 78.590892 | 11.57 | III |
| 189 | 18.686172 | 78.592846 | 23.08 | III |
| 190 | 18.696116 | 78.601861 | 10.20 | III |
| 191 | 18.690850 | 78.599584 | 7.29 | III |
| 192 | 18.695618 | 78.600308 | 5.77 | III |
| 193 | 18.704538 | 78.606319 | 10.47 | III |

LEGEND

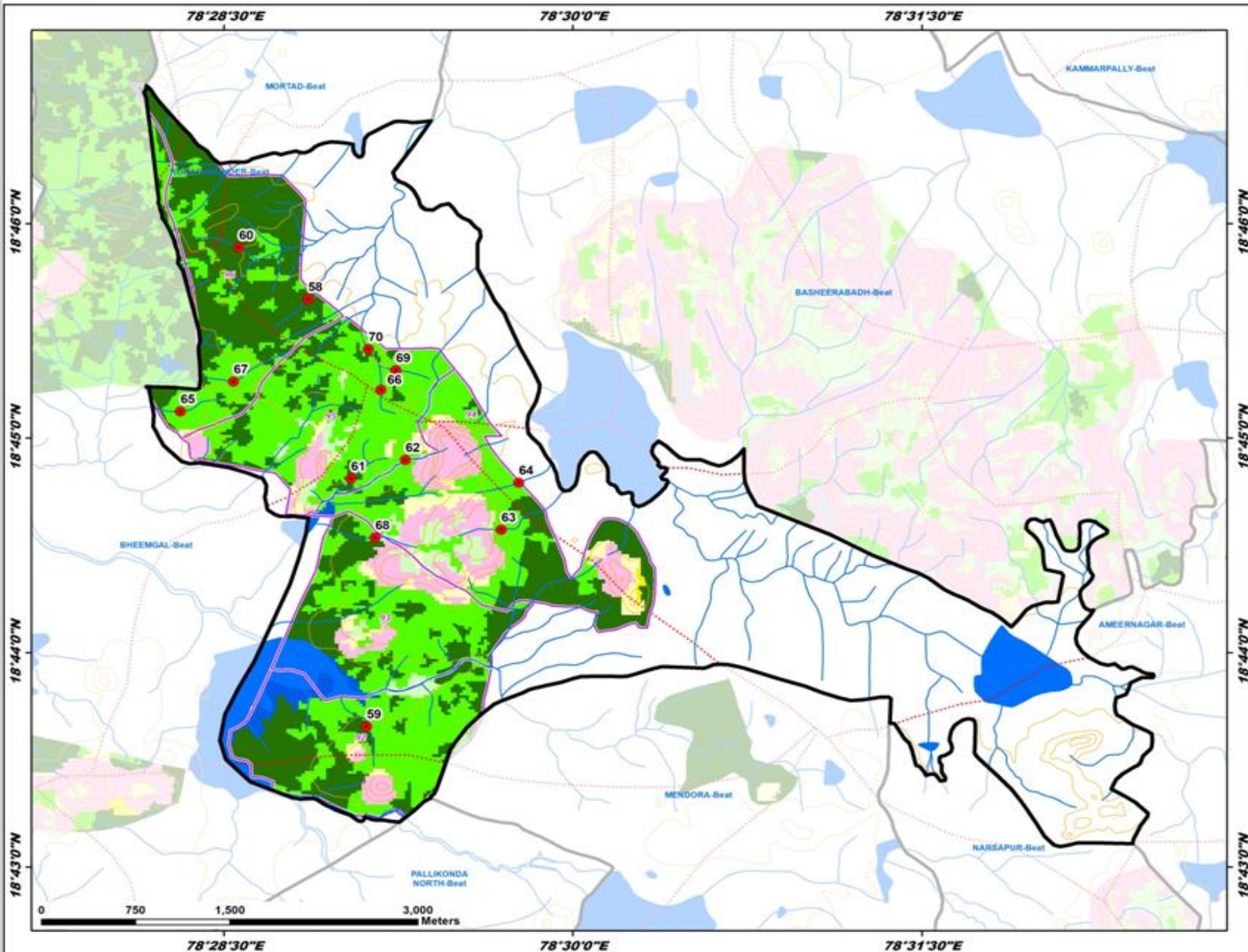
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable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



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



Division : Armour
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|----|-----------|-----------|-------------------|----------|
| 58 | 18.760805 | 78.481014 | 9.74 | I |
| 59 | 18.727991 | 78.485225 | 10.43 | I |
| 60 | 18.764804 | 78.476058 | 9.18 | I |
| 61 | 18.746867 | 78.484107 | 24.44 | I |
| 62 | 18.748305 | 78.488002 | 6.58 | II |
| 63 | 18.742878 | 78.494880 | 5.75 | II |
| 64 | 18.746543 | 78.496121 | 18.51 | II |
| 65 | 18.752083 | 78.471869 | 11.24 | II |
| 66 | 18.753757 | 78.486242 | 8.52 | II |
| 67 | 18.754396 | 78.475676 | 18.01 | II |
| 68 | 18.742281 | 78.485824 | 14.85 | II |
| 69 | 18.755283 | 78.487318 | 5.53 | II |
| 70 | 18.756916 | 78.485346 | 24.87 | II |

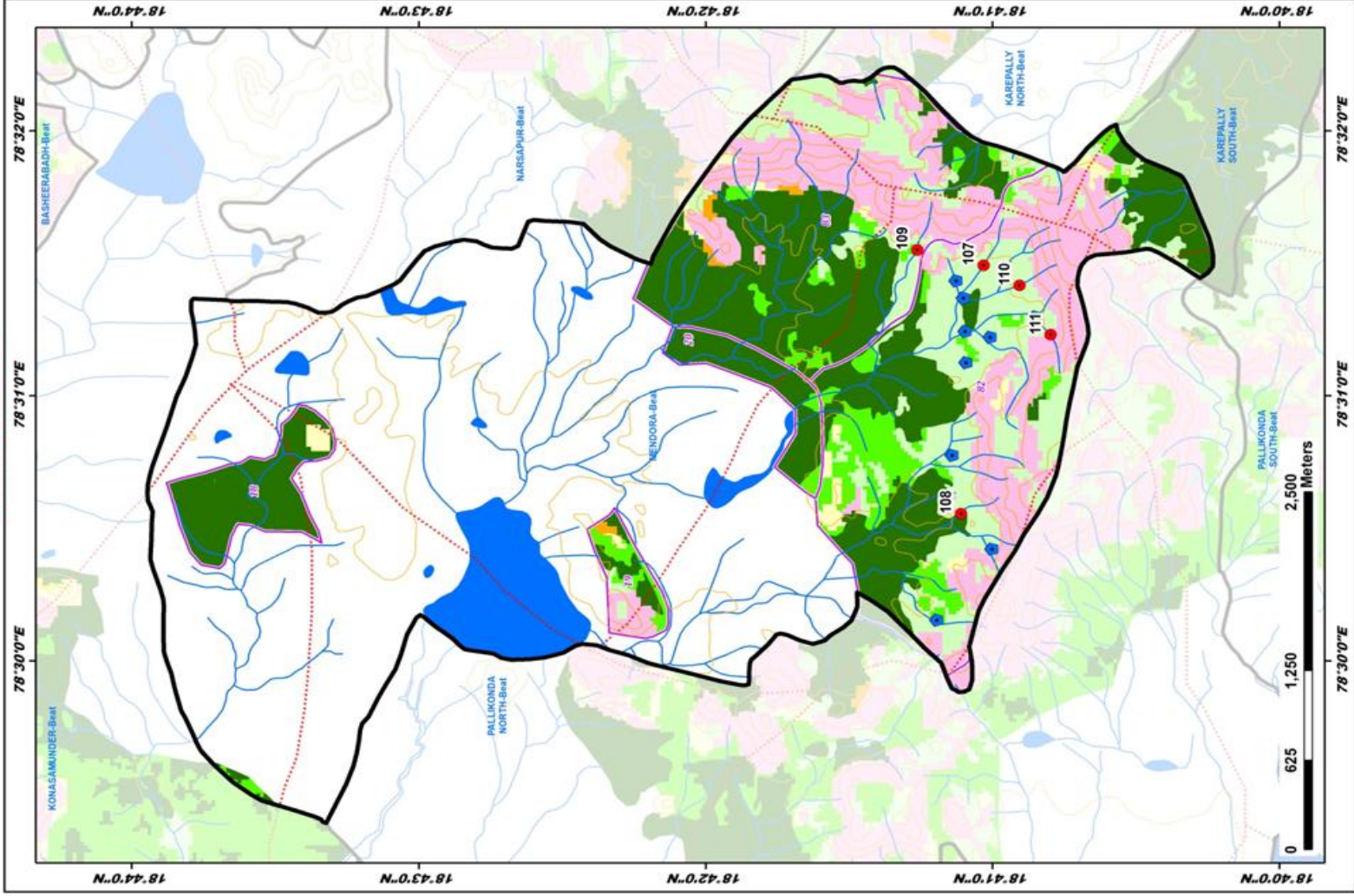
LEGEND

- 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 Mendora Beat



Division : Armoor
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 107 | 18.68851 | 78.524888 | 10.26 | IV |
| 108 | 18.685160 | 78.509274 | 6.02 | IV |
| 109 | 18.687705 | 78.52864 | 8.15 | IV |
| 110 | 18.681763 | 78.523640 | 5.69 | IV |
| 111 | 18.679959 | 78.520536 | 6.41 | IV |

LEGEND

- Proposed PTs (Red dot)
- Existing CD/PTs (Blue dot)
- Contours (Orange line)
- Streams (Blue line)
- Watershed Boundary (Dotted line)
- Compartment Boundary (Purple outline)
- Beat Boundary (Black outline)
- Division Boundary (Dashed line)

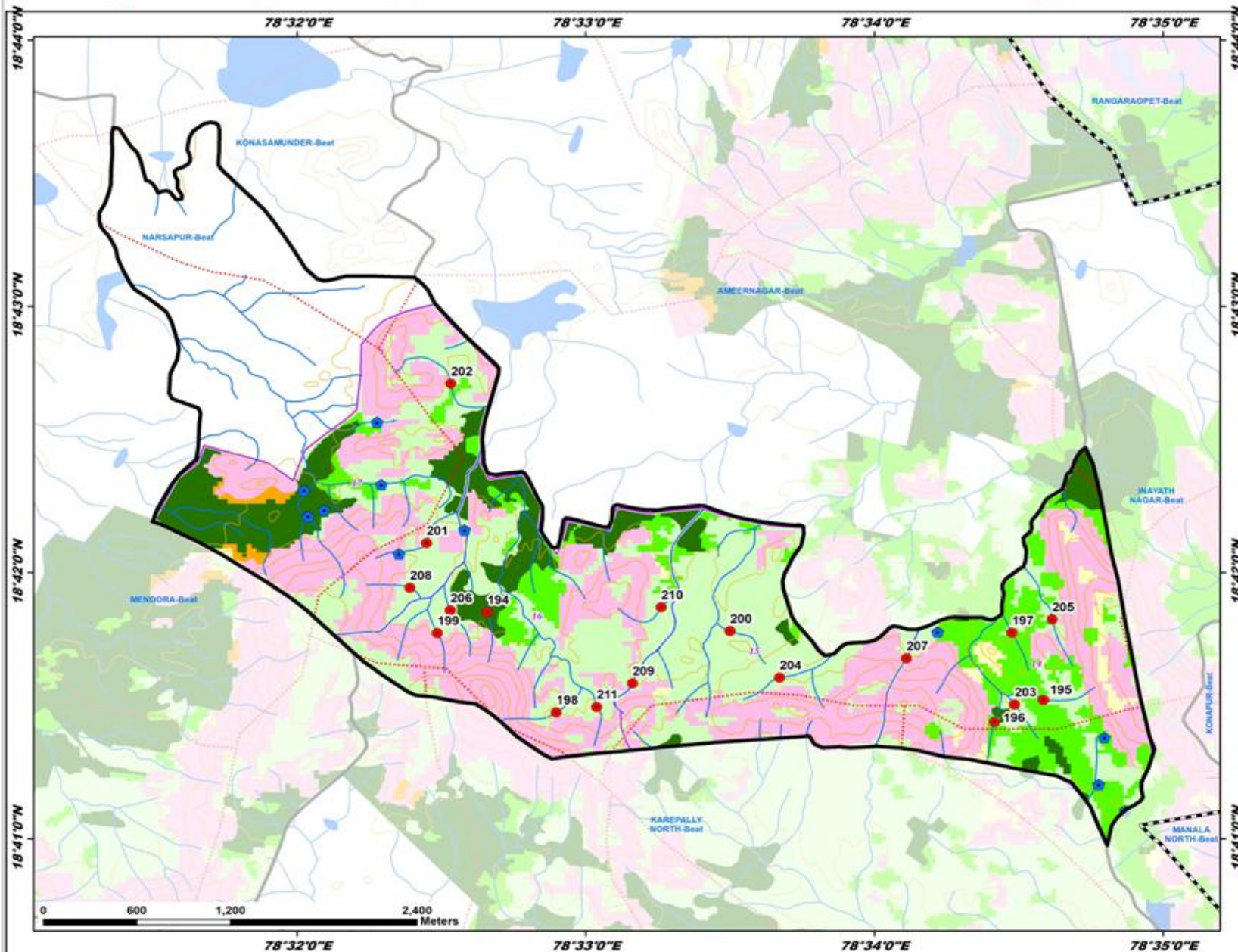
SUITABILITY INDEX

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

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



Division : Armour
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 194 | 18.697530 | 78.544303 | 7.12 | I |
| 195 | 18.692042 | 78.576445 | 16.61 | II |
| 196 | 18.690649 | 78.579603 | 9.67 | II |
| 197 | 18.696240 | 78.574618 | 8.69 | II |
| 198 | 18.691265 | 78.548291 | 11.97 | IV |
| 199 | 18.696231 | 78.541431 | 12.72 | IV |
| 200 | 18.696341 | 78.558134 | 9.10 | IV |
| 201 | 18.701854 | 78.540800 | 7.74 | IV |
| 202 | 18.711811 | 78.542214 | 14.02 | IV |
| 203 | 18.691746 | 78.574770 | 10.71 | IV |
| 204 | 18.694344 | 78.561193 | 6.23 | IV |
| 205 | 18.697078 | 78.576948 | 18.55 | IV |
| 206 | 18.697643 | 78.542174 | 7.26 | IV |
| 207 | 18.694640 | 78.568518 | 5.30 | IV |
| 208 | 18.699052 | 78.539852 | 5.31 | IV |
| 209 | 18.693079 | 78.552700 | 5.44 | IV |
| 210 | 18.697839 | 78.554366 | 8.98 | IV |
| 211 | 18.691593 | 78.550623 | 6.72 | IV |

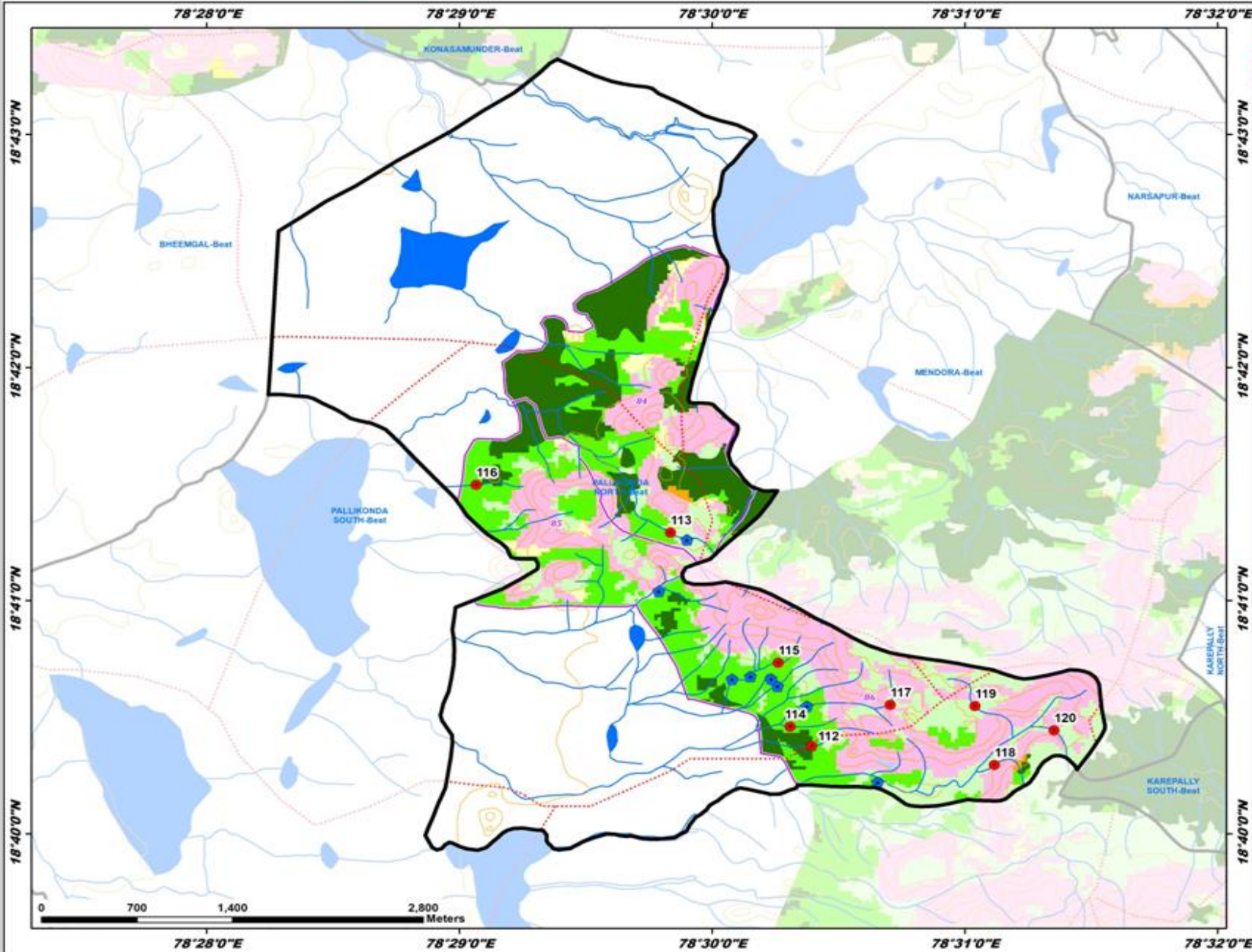
LEGEND

- 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 Pallikonda North Beat



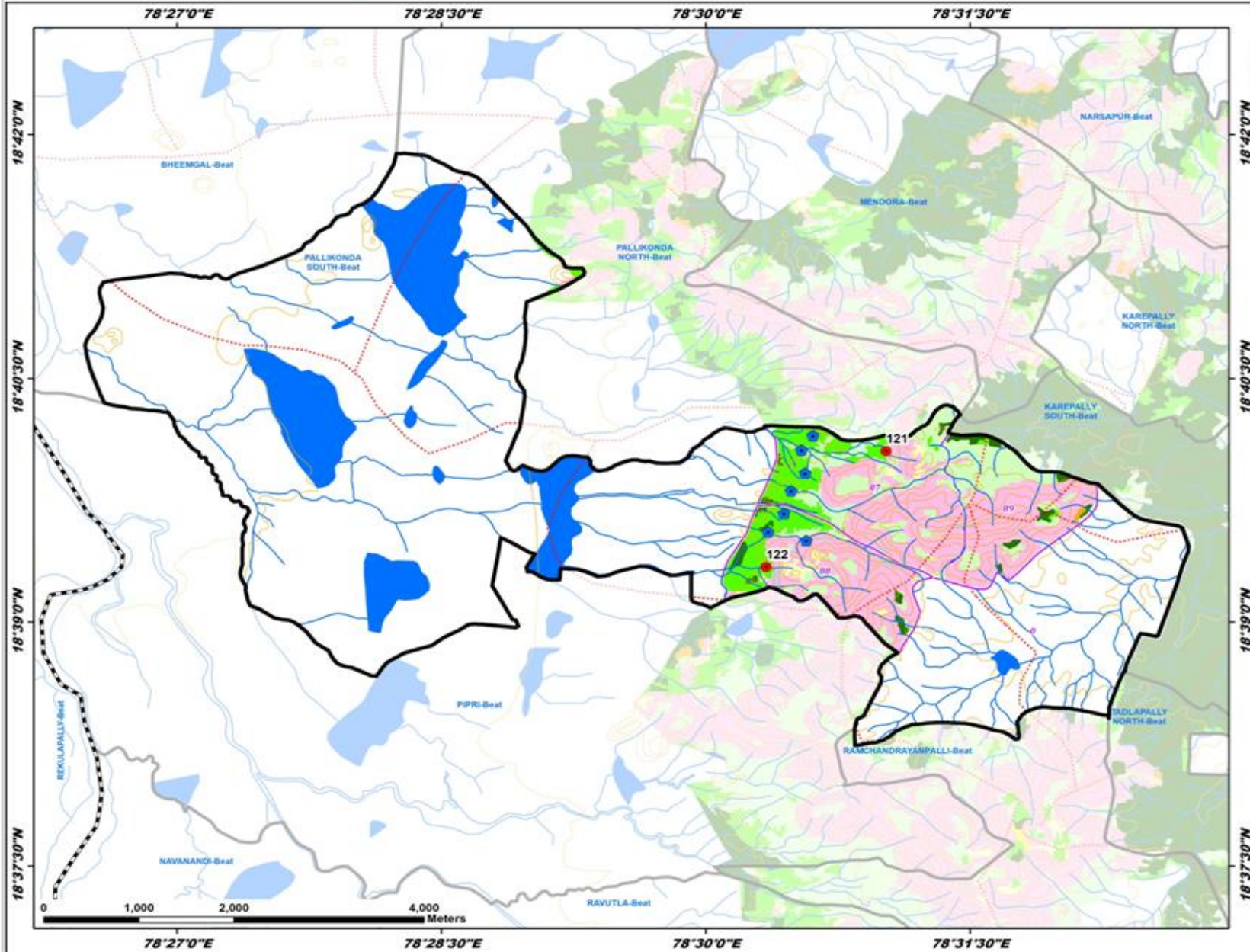
Division : Armour
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 112 | 18.672946 | 78.506570 | 11.65 | I |
| 113 | 18.688201 | 78.497268 | 13.19 | II |
| 114 | 18.674330 | 78.505156 | 5.62 | II |
| 115 | 18.678908 | 78.504379 | 5.74 | II |
| 116 | 18.691618 | 78.484435 | 8.02 | III |
| 117 | 18.675894 | 78.511759 | 13.48 | IV |
| 118 | 18.671609 | 78.518634 | 12.17 | IV |
| 119 | 18.675812 | 78.517353 | 9.19 | IV |
| 120 | 18.674065 | 78.522563 | 18.11 | IV |

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

Map Showing Suitability Index for Construction of SMC Works of Pallikonda South Beat



Division : Armour
Range : Kammarpally

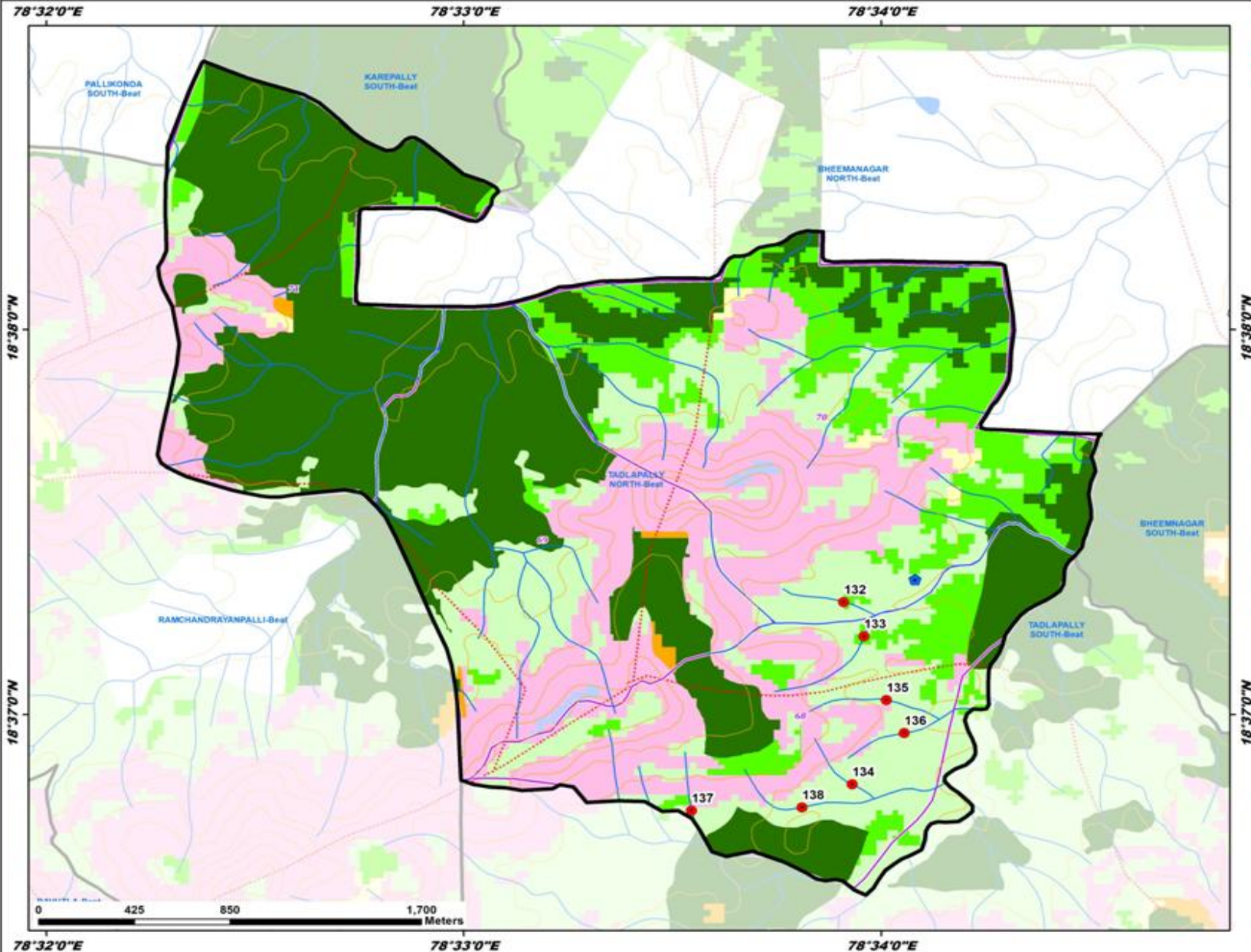
| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 121 | 18.667590 | 78.517082 | 10.09 | II |
| 122 | 18.655674 | 78.505732 | 6.94 | II |

- 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 Tadlapally North Beat



Division : Armour
Range : Kammarpally



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 132 | 18.621538 | 78.565182 | 15.99 | III |
| 133 | 18.620051 | 78.565988 | 10.10 | III |
| 134 | 18.613645 | 78.565517 | 5.92 | IV |
| 135 | 18.617293 | 78.566881 | 7.23 | IV |
| 136 | 18.615859 | 78.567599 | 5.51 | IV |
| 137 | 18.612500 | 78.569101 | 7.21 | IV |
| 138 | 18.612644 | 78.563511 | 10.95 | IV |

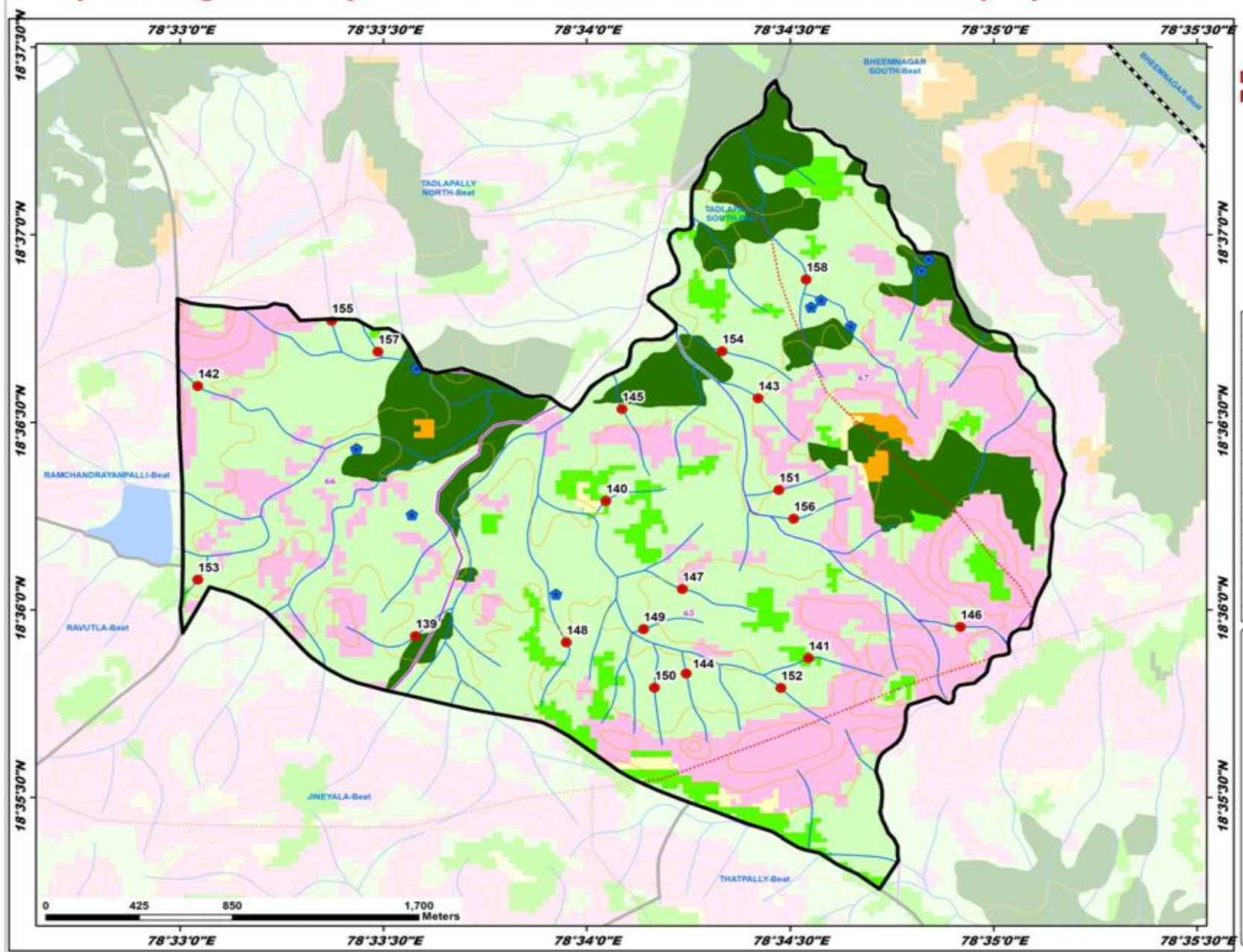
LEGEND

- 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 Tadlapally South Beat



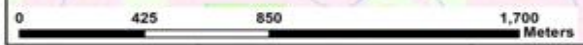
Division : Armour
Range : Kammarpally



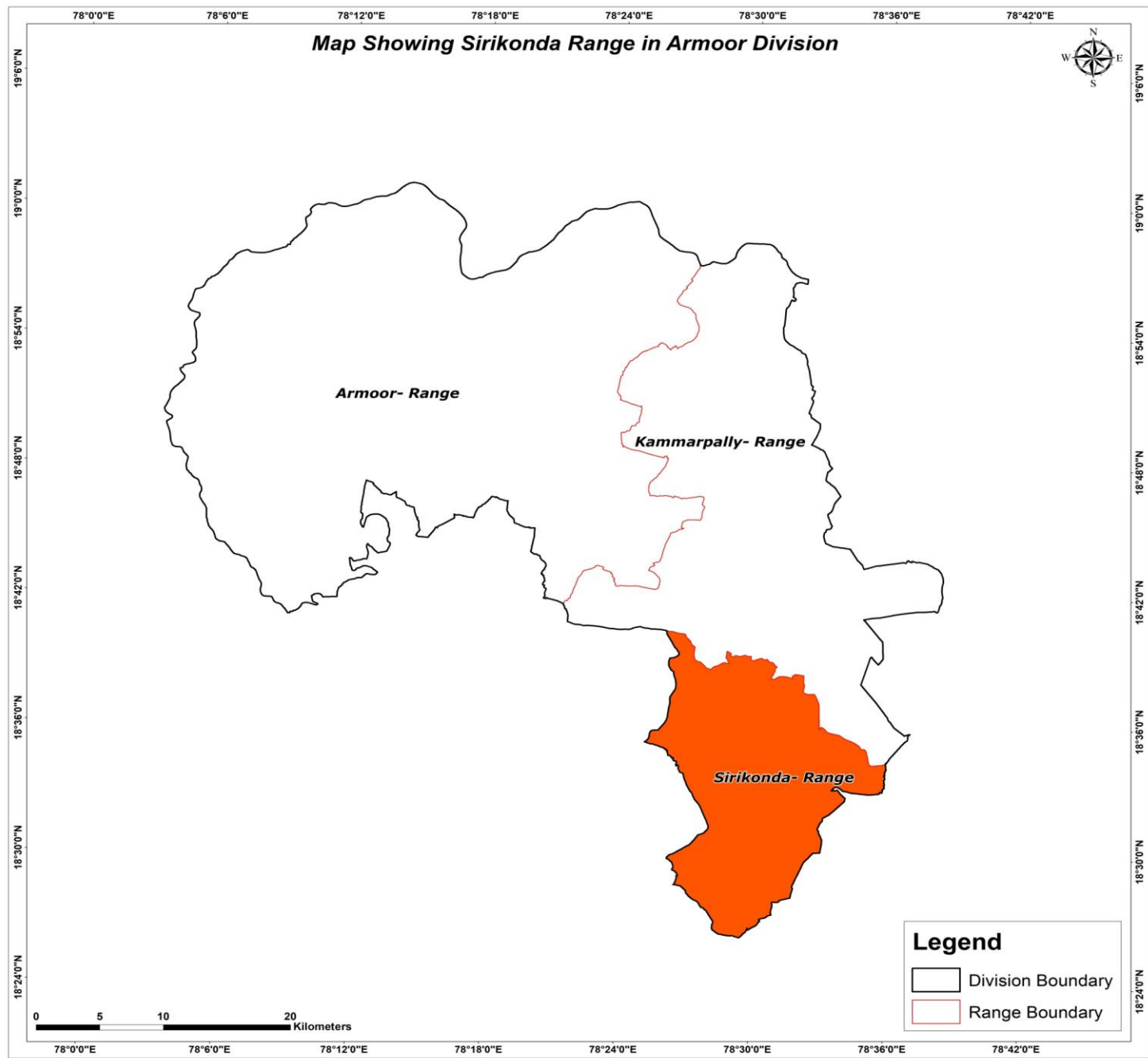
| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 139 | 18.598844 | 78.559644 | 15.98 | I |
| 140 | 18.604843 | 78.567450 | 6.33 | II |
| 141 | 18.597865 | 78.575758 | 8.68 | II |
| 142 | 18.609945 | 78.550722 | 18.24 | IV |
| 143 | 18.609410 | 78.573683 | 9.67 | IV |
| 144 | 18.597176 | 78.570749 | 6.70 | IV |
| 145 | 18.608923 | 78.568111 | 8.15 | IV |
| 146 | 18.599250 | 78.581982 | 8.49 | IV |
| 147 | 18.609832 | 78.570591 | 8.62 | IV |
| 148 | 18.598566 | 78.565831 | 5.55 | IV |
| 149 | 18.599150 | 78.568993 | 5.64 | IV |
| 150 | 18.596547 | 78.569441 | 5.48 | IV |
| 151 | 18.605131 | 78.574541 | 8.88 | IV |
| 152 | 18.596538 | 78.574625 | 9.80 | IV |
| 153 | 18.601342 | 78.550729 | 15.88 | IV |
| 154 | 18.611499 | 78.572218 | 6.79 | IV |
| 155 | 18.612843 | 78.566219 | 8.70 | IV |
| 156 | 18.604057 | 78.575147 | 9.72 | IV |
| 157 | 18.611471 | 78.558118 | 9.25 | IV |
| 158 | 18.614680 | 78.575664 | 44.66 | 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



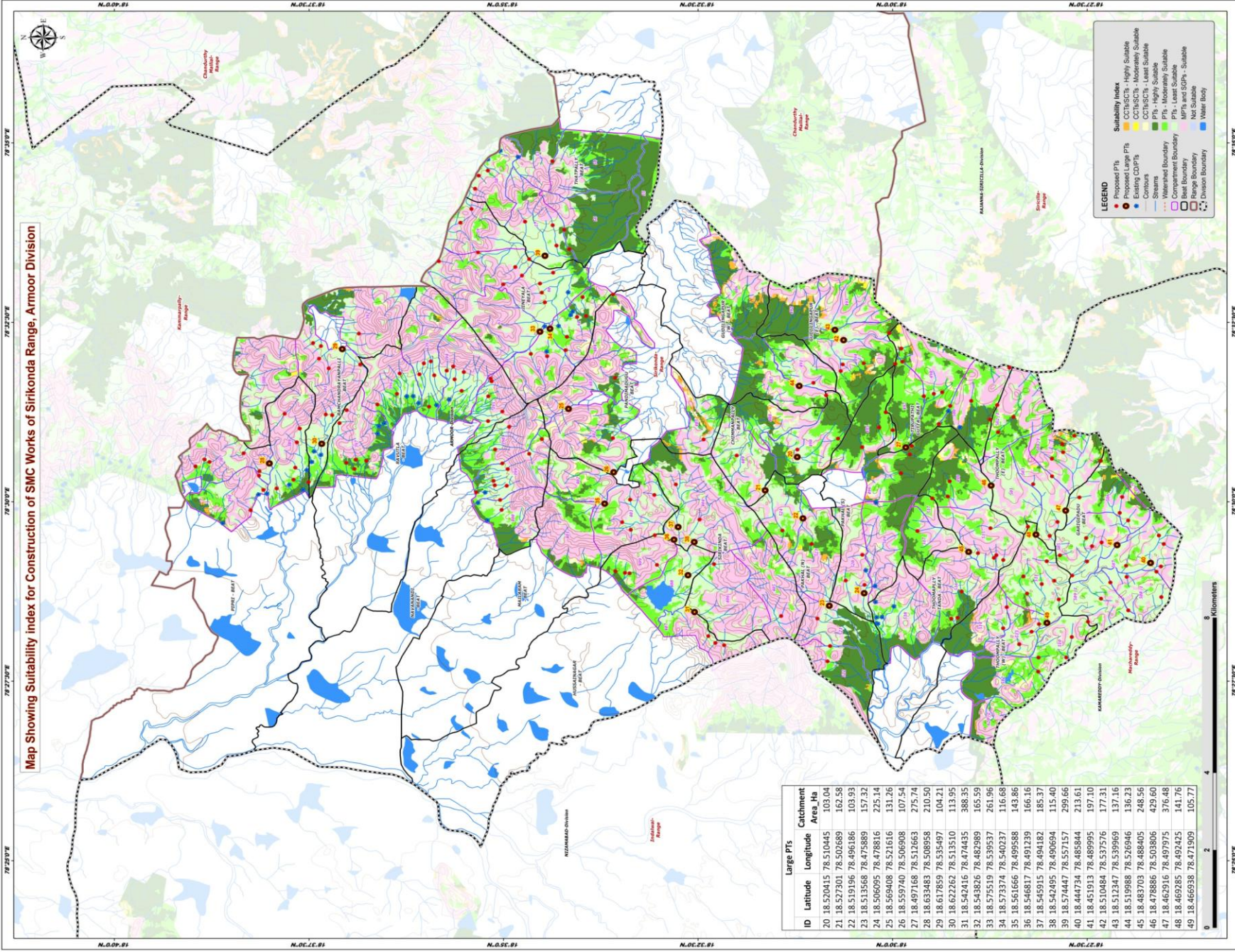
Map Showing Sirikonda Range in Armour Division



Legend

- Division Boundary
- Range Boundary

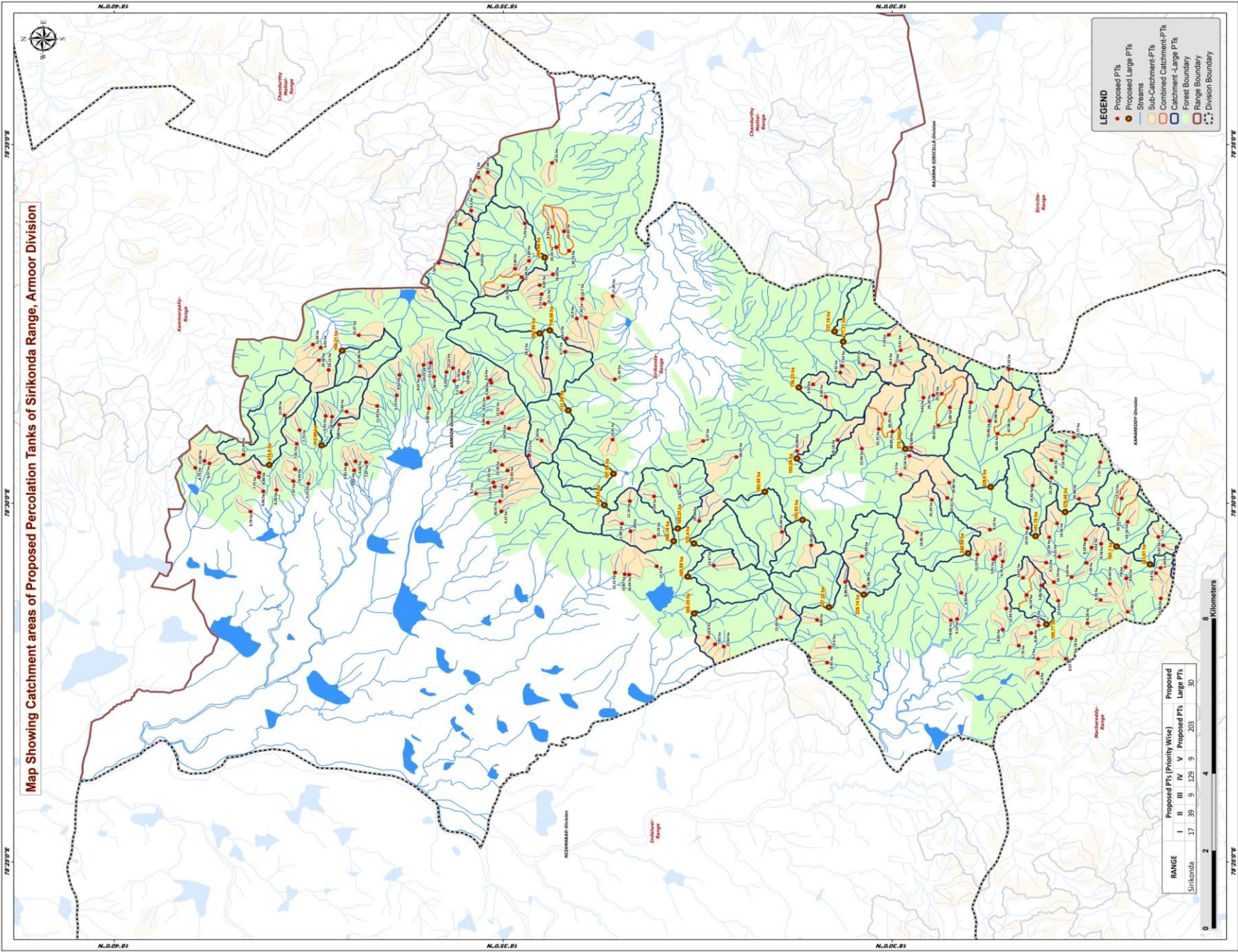
Map Showing Suitability Index for Construction of SMC Works of Sirkonda Range, Armour Division



- LEGEND**
- Proposed PTFs
 - Existing Large PTFs
 - Contours
 - Watershed Boundary
 - Compartment Boundary
 - Range Boundary
 - Division Boundary
 - Water Body
- Suitability Index**
- CCT's/SCT's - Highly Suitable
 - CCT's/SCT's - Moderately Suitable
 - CCT's/SCT's - Least Suitable
 - PTFs - Highly Suitable
 - PTFs - Moderately Suitable
 - PTFs - Least Suitable
 - MFTs and SGTs - Suitable
 - MFTs and SGTs - Not Suitable

| Large PTFs | | Catchment Area, Ha |
|------------|---------------------|--------------------|
| ID | Latitude Longitude | |
| 20 | 18.520415 78.510445 | 103.04 |
| 21 | 18.527301 78.502689 | 162.58 |
| 22 | 18.519196 78.496186 | 103.93 |
| 23 | 18.513568 78.475889 | 157.32 |
| 24 | 18.506095 78.478816 | 225.14 |
| 25 | 18.509408 78.521616 | 131.26 |
| 26 | 18.559740 78.506908 | 107.54 |
| 27 | 18.497168 78.512663 | 275.74 |
| 28 | 18.634883 78.508958 | 210.50 |
| 29 | 18.617859 78.535497 | 104.21 |
| 30 | 18.622262 78.513510 | 113.95 |
| 31 | 18.542416 78.474435 | 388.35 |
| 32 | 18.543826 78.482989 | 165.59 |
| 33 | 18.575519 78.539537 | 261.96 |
| 34 | 18.573374 78.540237 | 116.68 |
| 35 | 18.561666 78.495588 | 143.86 |
| 36 | 18.546817 78.491239 | 166.16 |
| 37 | 18.545915 78.494182 | 185.37 |
| 38 | 18.542495 78.490694 | 115.40 |
| 39 | 18.574447 78.571757 | 299.66 |
| 40 | 18.444734 78.485844 | 213.61 |
| 41 | 18.451913 78.489995 | 197.10 |
| 42 | 18.512447 78.537576 | 177.31 |
| 43 | 18.512347 78.539969 | 137.16 |
| 44 | 18.519988 78.526946 | 136.23 |
| 45 | 18.483703 78.488405 | 248.56 |
| 46 | 18.478886 78.503806 | 429.60 |
| 47 | 18.462916 78.497925 | 376.48 |
| 48 | 18.469285 78.492425 | 141.76 |
| 49 | 18.466938 78.471909 | 105.77 |

Map Showing Catchment areas of Proposed Percolation Tanks of Sirikonda Range, Armoor Division



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

0 2 4 8 Kilometers

N.6.0P.01 N.6.0S.01 N.6.0C.01

78.207E 78.207E 78.207E

Armoor Division

Sirikonda Range

Armoor Range

Chandrayy Market Range

Chandrayy Range

RAJANNA SIREKULLA DIVISION

KAMMADUR DIVISION

REKANNAD DIVISION

78.207E 78.207E 78.207E

N.6.0P.01 N.6.0S.01 N.6.0C.01

Beat wise Abstract of Proposed PT's – Sirkonda Range

| S. No. | Beat | Proposed PT's |
|--------|--------------------|---------------|
| 1 | CHIMMANPALLY | 3 |
| 2 | GARIGEPADU | 20 |
| 3 | GUDI LINGAPUR EAST | 5 |
| 4 | GUDILINGAPUR WEST | 2 |
| 5 | HUSSAINAGAR | 8 |
| 6 | JINEYALA | 19 |
| 7 | MAILARAM | 4 |
| 8 | NAVANANDI | 12 |
| 9 | PAKHAL NORTH | 5 |
| 10 | PAKHAL SOUTH | 11 |
| 11 | PANDIMADUGU | 4 |
| 12 | PIPRI | 15 |
| 13 | RAMCHANDRAYANPALLI | 8 |
| 14 | RAVUTLA | 24 |
| 15 | SIRIKINDA | 4 |
| 16 | THATPALLY | 9 |
| 17 | THOOMAPLLY TANDA | 11 |
| 18 | THOOMPALLY EAST | 12 |
| 19 | THOOMPALLY WEST | 16 |
| 20 | TIRUPATHI GUTTA | 11 |
| | Total | 203 |

List of Proposed PTs – Sirikonda 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 |
|-----|-----------|-----------|-------------------|----------|-----------------|-----|-----------|-----------|-------------------|----------|--------------------|-----|-----------|-----------|-------------------|----------|-------------|
| 212 | 18.511685 | 78.514706 | 20.18 | II | CHIMMANPALLY | 252 | 18.626961 | 78.517032 | 7.73 | IV | PIPRI | 292 | 18.601333 | 78.529644 | 9.01 | IV | RAVUTLA |
| 213 | 18.520381 | 78.512167 | 10.08 | IV | CHIMMANPALLY | 253 | 18.635695 | 78.506120 | 7.75 | IV | PIPRI | 293 | 18.559357 | 78.483913 | 12.12 | I | HUSSAINAGAR |
| 214 | 18.533372 | 78.510772 | 28.37 | V | CHIMMANPALLY | 254 | 18.630221 | 78.520491 | 13.99 | IV | PIPRI | 294 | 18.557298 | 78.483535 | 15.87 | II | HUSSAINAGAR |
| 215 | 18.523614 | 78.493389 | 14.44 | II | PAKHAL NORTH | 255 | 18.639030 | 78.511291 | 11.44 | IV | PIPRI | 295 | 18.537950 | 78.467240 | 7.65 | IV | HUSSAINAGAR |
| 216 | 18.517336 | 78.490278 | 26.06 | III | PAKHAL NORTH | 256 | 18.634737 | 78.502792 | 9.06 | IV | PIPRI | 296 | 18.556339 | 78.483433 | 16.04 | IV | HUSSAINAGAR |
| 217 | 18.513918 | 78.462997 | 6.95 | IV | PAKHAL NORTH | 257 | 18.627598 | 78.513855 | 7.81 | IV | PIPRI | 297 | 18.539475 | 78.468856 | 10.80 | IV | HUSSAINAGAR |
| 218 | 18.516092 | 78.472916 | 8.89 | IV | PAKHAL NORTH | 258 | 18.627926 | 78.507950 | 9.93 | IV | PIPRI | 298 | 18.550466 | 78.485402 | 12.90 | IV | HUSSAINAGAR |
| 219 | 18.513387 | 78.466557 | 15.60 | IV | PAKHAL NORTH | 259 | 18.631908 | 78.503140 | 6.28 | IV | PIPRI | 299 | 18.550960 | 78.492281 | 23.79 | IV | HUSSAINAGAR |
| 220 | 18.498197 | 78.506669 | 11.30 | I | PAKHAL SOUTH | 260 | 18.628337 | 78.505197 | 7.97 | IV | PIPRI | 300 | 18.536076 | 78.466730 | 25.44 | V | HUSSAINAGAR |
| 221 | 18.496301 | 78.511030 | 24.56 | I | PAKHAL SOUTH | 261 | 18.614013 | 78.531904 | 14.86 | IV | RAMCHANDRAYANPALLI | 301 | 18.565653 | 78.543176 | 27.95 | II | JINEYALA |
| 222 | 18.502870 | 78.517327 | 22.25 | I | PAKHAL SOUTH | 262 | 18.614288 | 78.539101 | 22.37 | IV | RAMCHANDRAYANPALLI | 302 | 18.569762 | 78.538355 | 16.20 | II | JINEYALA |
| 223 | 18.495883 | 78.513006 | 6.69 | I | PAKHAL SOUTH | 263 | 18.620007 | 78.520137 | 4.54 | IV | RAMCHANDRAYANPALLI | 303 | 18.573990 | 78.533856 | 11.74 | IV | JINEYALA |
| 224 | 18.494684 | 78.493266 | 19.86 | II | PAKHAL SOUTH | 264 | 18.624127 | 78.536918 | 11.64 | IV | RAMCHANDRAYANPALLI | 304 | 18.574481 | 78.546358 | 10.21 | IV | JINEYALA |
| 225 | 18.506502 | 78.512746 | 22.04 | II | PAKHAL SOUTH | 265 | 18.621392 | 78.520315 | 5.91 | IV | RAMCHANDRAYANPALLI | 305 | 18.566380 | 78.547548 | 10.70 | IV | JINEYALA |
| 226 | 18.501457 | 78.520838 | 45.93 | III | PAKHAL SOUTH | 266 | 18.620769 | 78.531012 | 24.11 | IV | RAMCHANDRAYANPALLI | 306 | 18.577834 | 78.556395 | 5.69 | IV | JINEYALA |
| 227 | 18.510037 | 78.481750 | 8.98 | IV | PAKHAL SOUTH | 267 | 18.622450 | 78.536207 | 6.01 | IV | RAMCHANDRAYANPALLI | 307 | 18.575525 | 78.550715 | 9.85 | IV | JINEYALA |
| 228 | 18.506003 | 78.480744 | 16.98 | IV | PAKHAL SOUTH | 268 | 18.622833 | 78.533280 | 25.56 | V | RAMCHANDRAYANPALLI | 308 | 18.583374 | 78.550539 | 13.79 | IV | JINEYALA |
| 229 | 18.506491 | 78.487729 | 11.69 | IV | PAKHAL SOUTH | 269 | 18.616988 | 78.509063 | 6.81 | I | RAVUTLA | 309 | 18.575128 | 78.548628 | 5.73 | IV | JINEYALA |
| 230 | 18.499947 | 78.516660 | 69.85 | IV | PAKHAL SOUTH | 270 | 18.612719 | 78.509541 | 7.07 | I | RAVUTLA | 310 | 18.570047 | 78.535254 | 6.77 | IV | JINEYALA |
| 231 | 18.559898 | 78.514823 | 13.91 | I | PANDIMADUGU | 271 | 18.614998 | 78.509781 | 6.66 | II | RAVUTLA | 311 | 18.592557 | 78.564847 | 10.41 | IV | JINEYALA |
| 232 | 18.559417 | 78.528821 | 11.34 | I | PANDIMADUGU | 272 | 18.610340 | 78.522625 | 11.93 | II | RAVUTLA | 312 | 18.567582 | 78.542958 | 14.90 | IV | JINEYALA |
| 233 | 18.559887 | 78.548183 | 17.04 | II | PANDIMADUGU | 273 | 18.599287 | 78.522121 | 5.48 | II | RAVUTLA | 313 | 18.590189 | 78.568055 | 4.50 | IV | JINEYALA |
| 234 | 18.540493 | 78.514527 | 8.37 | IV | PANDIMADUGU | 274 | 18.615276 | 78.507669 | 5.63 | II | RAVUTLA | 314 | 18.588777 | 78.557941 | 9.63 | IV | JINEYALA |
| 235 | 18.479132 | 78.519180 | 10.86 | I | TIRUPATHI GUTTA | 275 | 18.592299 | 78.525792 | 5.20 | II | RAVUTLA | 315 | 18.580810 | 78.554548 | 5.84 | IV | JINEYALA |
| 236 | 18.489378 | 78.525482 | 23.98 | II | TIRUPATHI GUTTA | 276 | 18.606156 | 78.525101 | 5.15 | II | RAVUTLA | 316 | 18.572694 | 78.553250 | 18.43 | IV | JINEYALA |
| 237 | 18.493307 | 78.524554 | 9.63 | II | TIRUPATHI GUTTA | 277 | 18.605552 | 78.529842 | 9.52 | IV | RAVUTLA | 317 | 18.597186 | 78.555892 | 7.56 | IV | JINEYALA |
| 238 | 18.497917 | 78.532587 | 17.00 | II | TIRUPATHI GUTTA | 278 | 18.586078 | 78.528665 | 6.60 | IV | RAVUTLA | 318 | 18.577485 | 78.534392 | 28.20 | V | JINEYALA |
| 239 | 18.483147 | 78.523483 | 15.69 | II | TIRUPATHI GUTTA | 279 | 18.598172 | 78.529427 | 7.38 | IV | RAVUTLA | 319 | 18.579383 | 78.552582 | 31.66 | V | JINEYALA |
| 240 | 18.498171 | 78.535597 | 9.61 | II | TIRUPATHI GUTTA | 280 | 18.586584 | 78.524542 | 5.61 | IV | RAVUTLA | 320 | 18.556221 | 78.500548 | 11.16 | IV | MAILARAM |
| 241 | 18.491162 | 78.525140 | 29.29 | III | TIRUPATHI GUTTA | 281 | 18.618448 | 78.518311 | 9.88 | IV | RAVUTLA | 321 | 18.556074 | 78.493526 | 7.26 | IV | MAILARAM |
| 242 | 18.477586 | 78.522503 | 30.98 | III | TIRUPATHI GUTTA | 282 | 18.595488 | 78.530512 | 6.33 | IV | RAVUTLA | 322 | 18.551035 | 78.501628 | 7.24 | IV | MAILARAM |
| 243 | 18.487643 | 78.522308 | 27.88 | III | TIRUPATHI GUTTA | 283 | 18.586637 | 78.518779 | 5.06 | IV | RAVUTLA | 323 | 18.557938 | 78.495280 | 11.88 | IV | MAILARAM |
| 244 | 18.474983 | 78.531167 | 6.32 | IV | TIRUPATHI GUTTA | 284 | 18.583598 | 78.520992 | 13.52 | IV | RAVUTLA | 324 | 18.589174 | 78.502278 | 4.70 | II | NAVANANDI |
| 245 | 18.490096 | 78.518129 | 49.97 | III | TIRUPATHI GUTTA | 285 | 18.591826 | 78.530151 | 10.94 | IV | RAVUTLA | 325 | 18.575115 | 78.514595 | 8.19 | II | NAVANANDI |
| 246 | 18.625098 | 78.504607 | 5.15 | I | PIPRI | 286 | 18.616931 | 78.521325 | 5.94 | IV | RAVUTLA | 326 | 18.577812 | 78.511172 | 6.71 | IV | NAVANANDI |
| 247 | 18.637485 | 78.498093 | 9.79 | II | PIPRI | 287 | 18.600387 | 78.532190 | 10.23 | IV | RAVUTLA | 327 | 18.585196 | 78.503881 | 5.14 | IV | NAVANANDI |
| 248 | 18.649326 | 78.508284 | 6.75 | II | PIPRI | 288 | 18.594098 | 78.531462 | 13.22 | IV | RAVUTLA | 328 | 18.583747 | 78.498172 | 6.15 | IV | NAVANANDI |
| 249 | 18.647361 | 78.509865 | 23.68 | IV | PIPRI | 289 | 18.593811 | 78.528475 | 5.78 | IV | RAVUTLA | 329 | 18.582122 | 78.517427 | 14.59 | IV | NAVANANDI |
| 250 | 18.646301 | 78.509291 | 8.57 | IV | PIPRI | 290 | 18.585892 | 78.528013 | 5.96 | IV | RAVUTLA | 330 | 18.585117 | 78.512185 | 4.54 | IV | NAVANANDI |
| 251 | 18.635610 | 78.507144 | 8.88 | IV | PIPRI | 291 | 18.598914 | 78.532662 | 11.60 | IV | RAVUTLA | 331 | 18.582648 | 78.503759 | 10.07 | IV | NAVANANDI |

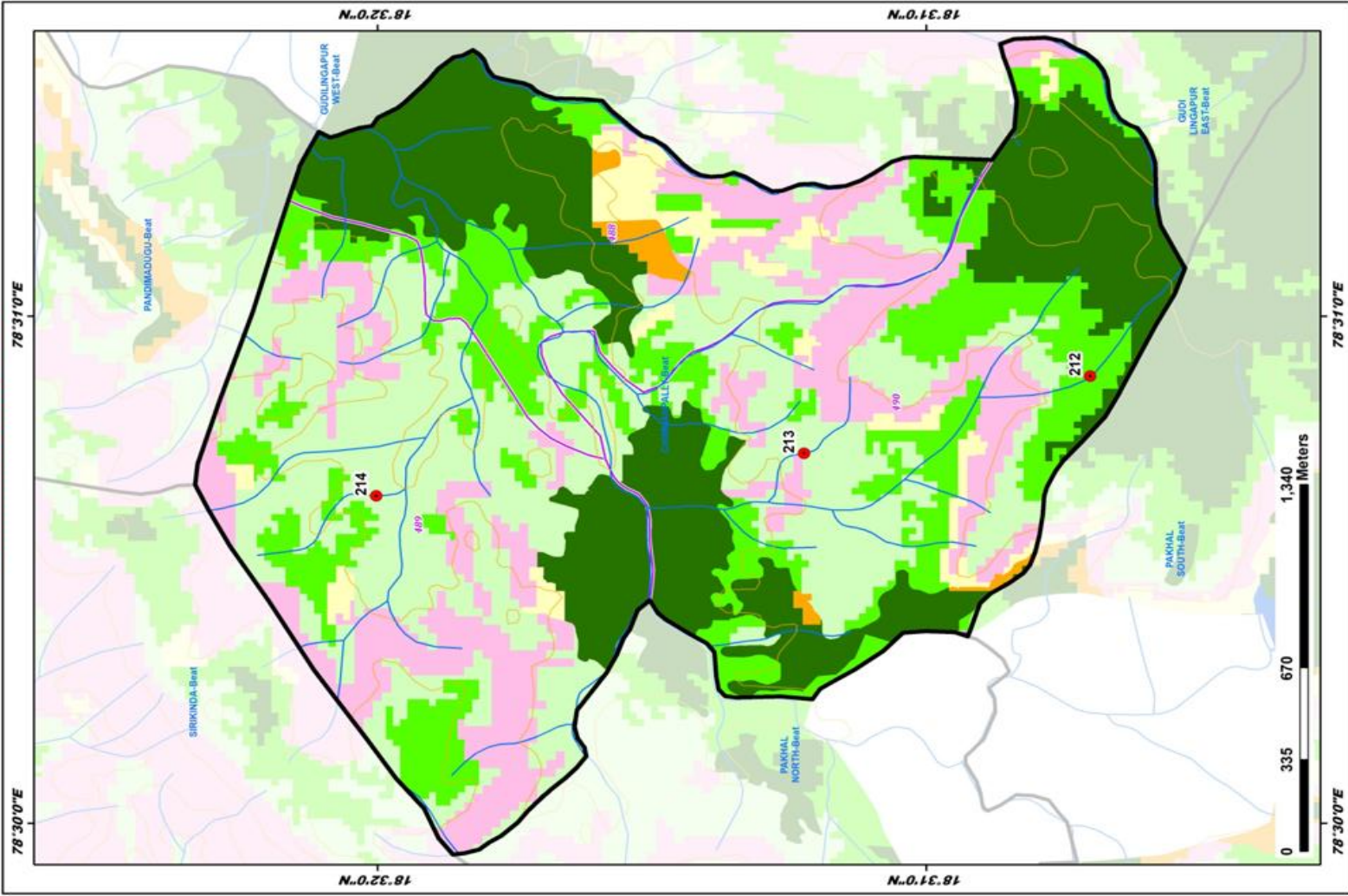
List of Proposed PTs – Sirikonda Range

| ID | Latitude | Longitude | Catchment Area_Ha | Priority | Beat | ID | Latitude | Longitude | Catchment Area_Ha | Priority | Beat | ID | Latitude | Longitude | Catchment Area_Ha | Priority | Beat |
|-----|-----------|-----------|-------------------|----------|--------------------|-----|-----------|-----------|-------------------|----------|--------------------|-----|-----------|-----------|-------------------|----------|-----------------|
| 332 | 18.582419 | 78.507637 | 10.85 | IV | NAVANANDI | 372 | 18.499412 | 78.532056 | 28.30 | III | GUDI LINGAPUR EAST | 412 | 18.462794 | 78.463875 | 9.57 | IV | THOOMPALLY WEST |
| 333 | 18.583600 | 78.508959 | 13.38 | IV | NAVANANDI | 373 | 18.510679 | 78.531948 | 7.24 | IV | GUDI LINGAPUR EAST | 413 | 18.468638 | 78.471633 | 6.75 | IV | THOOMPALLY WEST |
| 334 | 18.585467 | 78.504880 | 17.55 | IV | NAVANANDI | 374 | 18.514222 | 78.524750 | 8.09 | II | GUDILINGAPUR WEST | | | | | | |
| 335 | 18.584054 | 78.500470 | 30.97 | V | NAVANANDI | 375 | 18.516943 | 78.527665 | 9.92 | IV | GUDILINGAPUR WEST | 414 | 18.471190 | 78.478734 | 46.74 | V | THOOMPALLY WEST |
| 336 | 18.523867 | 78.473525 | 12.45 | IV | SIRIKINDA | 376 | 18.485179 | 78.479233 | 4.93 | I | THOOMPALLY TANDA | | | | | | |
| 337 | 18.546424 | 78.504079 | 5.83 | IV | SIRIKINDA | 377 | 18.487436 | 78.472861 | 8.06 | II | THOOMPALLY TANDA | | | | | | |
| 338 | 18.538239 | 78.485565 | 13.67 | IV | SIRIKINDA | 378 | 18.488180 | 78.501276 | 10.61 | II | THOOMPALLY TANDA | | | | | | |
| 339 | 18.541356 | 78.495902 | 29.44 | V | SIRIKINDA | 379 | 18.487765 | 78.504820 | 30.86 | III | THOOMPALLY TANDA | | | | | | |
| 340 | 18.570328 | 78.563223 | 14.85 | I | THATPALLY | 380 | 18.491471 | 78.500827 | 35.34 | III | THOOMPALLY TANDA | | | | | | |
| 341 | 18.572876 | 78.579131 | 16.31 | I | THATPALLY | 381 | 18.479030 | 78.493909 | 8.15 | IV | THOOMPALLY TANDA | | | | | | |
| 342 | 18.586681 | 78.576959 | 7.44 | IV | THATPALLY | 382 | 18.477771 | 78.487641 | 11.92 | IV | THOOMPALLY TANDA | | | | | | |
| 343 | 18.572808 | 78.564270 | 9.74 | IV | THATPALLY | 383 | 18.486090 | 78.473122 | 9.14 | IV | THOOMPALLY TANDA | | | | | | |
| 344 | 18.578720 | 78.565110 | 7.79 | IV | THATPALLY | 384 | 18.476291 | 78.486529 | 4.76 | IV | THOOMPALLY TANDA | | | | | | |
| 345 | 18.589423 | 78.572752 | 5.02 | IV | THATPALLY | 385 | 18.481702 | 78.488122 | 13.22 | IV | THOOMPALLY TANDA | | | | | | |
| 346 | 18.588639 | 78.575763 | 11.10 | IV | THATPALLY | 386 | 18.478296 | 78.487032 | 5.91 | IV | THOOMPALLY TANDA | | | | | | |
| 347 | 18.569247 | 78.558716 | 30.72 | II | THATPALLY | 387 | 18.463654 | 78.513420 | 6.98 | I | THOOMPALLY EAST | | | | | | |
| 348 | 18.571982 | 78.559544 | 20.34 | IV | THATPALLY | 388 | 18.455414 | 78.509540 | 7.97 | I | THOOMPALLY EAST | | | | | | |
| 349 | 18.464163 | 78.487626 | 5.21 | II | GARIGEPADU | 389 | 18.463474 | 78.511537 | 9.16 | II | THOOMPALLY EAST | | | | | | |
| 350 | 18.458539 | 78.491625 | 8.18 | II | GARIGEPADU | 390 | 18.465866 | 78.510049 | 12.46 | II | THOOMPALLY EAST | | | | | | |
| 351 | 18.449976 | 78.485202 | 7.80 | II | GARIGEPADU | 391 | 18.474091 | 78.519728 | 42.96 | II | THOOMPALLY EAST | | | | | | |
| 352 | 18.449508 | 78.474829 | 7.88 | IV | GARIGEPADU | 392 | 18.461056 | 78.515374 | 12.77 | II | THOOMPALLY EAST | | | | | | |
| 353 | 18.442425 | 78.477920 | 14.56 | IV | GARIGEPADU | 393 | 18.464652 | 78.495369 | 14.95 | IV | THOOMPALLY EAST | | | | | | |
| 354 | 18.449849 | 78.482604 | 4.62 | IV | GARIGEPADU | 394 | 18.470987 | 78.494247 | 10.01 | IV | THOOMPALLY EAST | | | | | | |
| 355 | 18.455226 | 78.490602 | 9.78 | IV | GARIGEPADU | 395 | 18.465857 | 78.505949 | 10.28 | IV | THOOMPALLY EAST | | | | | | |
| 356 | 18.455350 | 78.477548 | 8.33 | IV | GARIGEPADU | 396 | 18.469889 | 78.504157 | 14.42 | IV | THOOMPALLY EAST | | | | | | |
| 357 | 18.443485 | 78.483803 | 6.80 | IV | GARIGEPADU | 397 | 18.466353 | 78.492111 | 10.54 | IV | THOOMPALLY EAST | | | | | | |
| 358 | 18.453356 | 78.481321 | 10.63 | IV | GARIGEPADU | 398 | 18.477394 | 78.516212 | 68.43 | IV | THOOMPALLY EAST | | | | | | |
| 359 | 18.459980 | 78.501052 | 20.48 | IV | GARIGEPADU | 399 | 18.468820 | 78.460588 | 11.20 | II | THOOMPALLY WEST | | | | | | |
| 360 | 18.457278 | 78.489727 | 4.62 | IV | GARIGEPADU | 400 | 18.468745 | 78.463850 | 9.10 | II | THOOMPALLY WEST | | | | | | |
| 361 | 18.441909 | 78.490252 | 6.62 | IV | GARIGEPADU | 401 | 18.471989 | 78.482709 | 13.51 | II | THOOMPALLY WEST | | | | | | |
| 362 | 18.458349 | 78.486172 | 5.39 | IV | GARIGEPADU | 402 | 18.475540 | 78.475572 | 12.93 | IV | THOOMPALLY WEST | | | | | | |
| 363 | 18.449551 | 78.495704 | 14.16 | IV | GARIGEPADU | 403 | 18.470221 | 78.469878 | 8.36 | IV | THOOMPALLY WEST | | | | | | |
| 364 | 18.450824 | 78.501153 | 17.51 | IV | GARIGEPADU | 404 | 18.461602 | 78.468635 | 16.78 | IV | THOOMPALLY WEST | | | | | | |
| 365 | 18.442955 | 78.492216 | 9.58 | IV | GARIGEPADU | 405 | 18.476319 | 78.470660 | 8.83 | IV | THOOMPALLY WEST | | | | | | |
| 366 | 18.442520 | 78.485021 | 6.45 | IV | GARIGEPADU | 406 | 18.468061 | 78.480928 | 5.86 | IV | THOOMPALLY WEST | | | | | | |
| 367 | 18.461541 | 78.482917 | 4.63 | IV | GARIGEPADU | 407 | 18.465362 | 78.481709 | 10.74 | IV | THOOMPALLY WEST | | | | | | |
| 368 | 18.451354 | 78.497468 | 30.59 | V | GARIGEPADU | 408 | 18.464414 | 78.477381 | 12.10 | IV | THOOMPALLY WEST | | | | | | |
| 369 | 18.500715 | 78.539189 | 7.79 | I | GUDI LINGAPUR EAST | 409 | 18.458145 | 78.472171 | 8.28 | IV | THOOMPALLY WEST | | | | | | |
| 370 | 18.506190 | 78.532213 | 10.77 | II | GUDI LINGAPUR EAST | 410 | 18.466972 | 78.486237 | 9.11 | IV | THOOMPALLY WEST | | | | | | |
| 371 | 18.511117 | 78.530400 | 8.92 | II | GUDI LINGAPUR EAST | 411 | 18.472886 | 78.466944 | 7.76 | IV | THOOMPALLY WEST | | | | | | |

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



Division : Armoor
Range : Sirikonda



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 212 | 18.511685 | 78.514706 | 20.18 | II |
| 213 | 18.520381 | 78.512167 | 10.08 | IV |
| 214 | 18.533372 | 78.510772 | 28.37 | V |

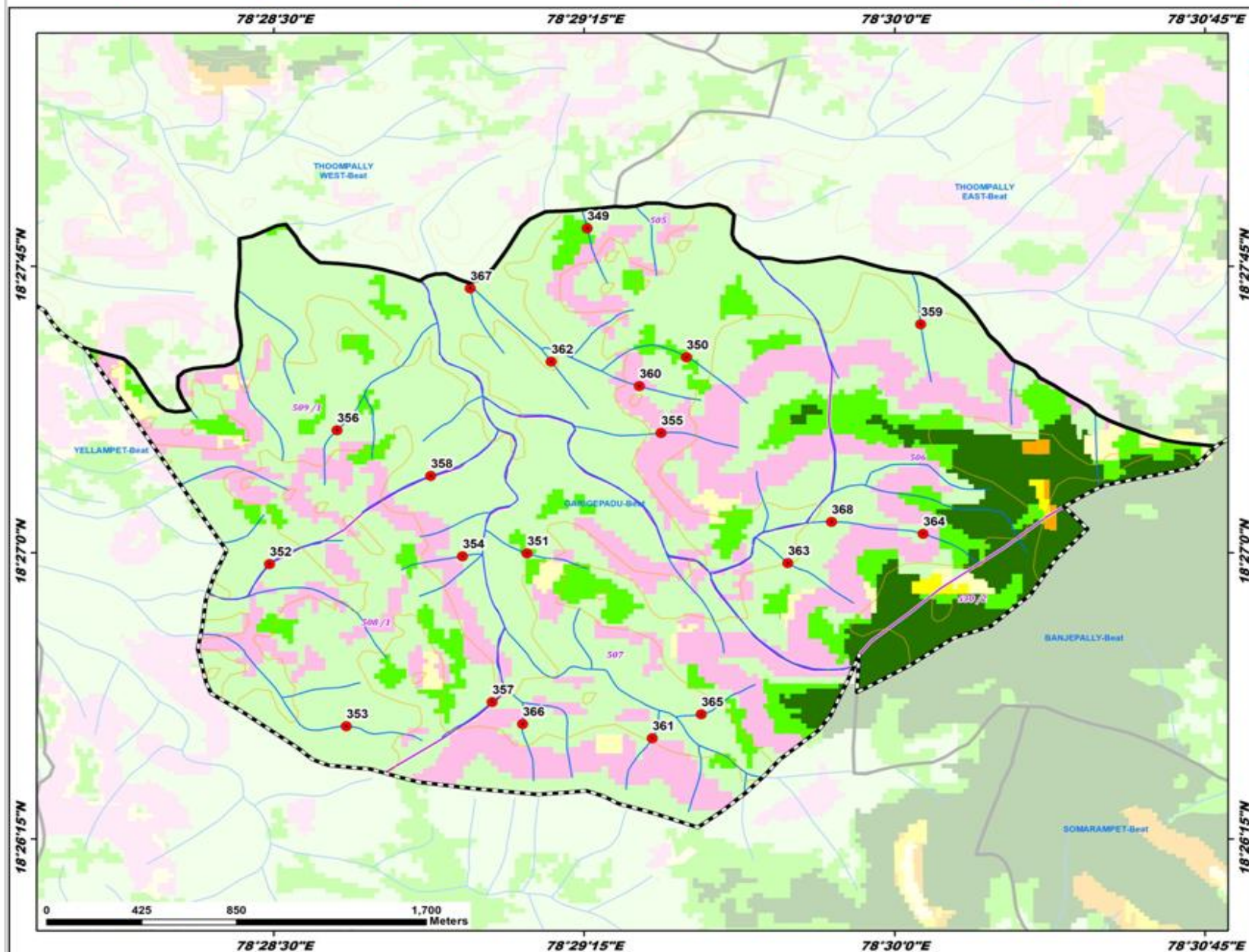
LEGEND

- Proposed PTs (Red dot)
 - Existing CDIPs (Blue dot)
 - Contours (Orange line)
 - Streams (Blue line)
 - Watershed Boundary (Dotted line)
 - Compartment Boundary (Dashed line)
 - Beat Boundary (Solid line)
 - Division Boundary (Thick solid line)
- ### SUITABILITY INDEX
- CCTs/SCTs - Highly Suitable (Dark Green)
 - CCTs/SCTs - Moderately Suitable (Light Green)
 - CCTs/SCTs - Least Suitable (Yellow)
 - PTs - Highly Suitable (Dark Green)
 - PTs - Moderately Suitable (Light Green)
 - PTs - Least Suitable (Yellow)
 - MPTs and SGPs - Suitable (Pink)
 - Not Suitable (Light Blue)
 - Water Body (Blue)

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



Division : Armour
Range : Sirikonda



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 349 | 18.464163 | 78.487626 | 5.21 | II |
| 350 | 18.458539 | 78.491625 | 8.18 | II |
| 351 | 18.449976 | 78.485202 | 7.80 | II |
| 352 | 18.449506 | 78.474829 | 7.88 | IV |
| 353 | 18.442425 | 78.477920 | 14.56 | IV |
| 354 | 18.449849 | 78.482604 | 4.62 | IV |
| 355 | 18.455226 | 78.490602 | 9.78 | IV |
| 356 | 18.455350 | 78.477548 | 8.33 | IV |
| 357 | 18.443485 | 78.483803 | 6.80 | IV |
| 358 | 18.453356 | 78.481321 | 10.63 | IV |
| 359 | 18.459980 | 78.501052 | 20.48 | IV |
| 360 | 18.457278 | 78.489727 | 4.62 | IV |
| 361 | 18.441909 | 78.490252 | 6.62 | IV |
| 362 | 18.458349 | 78.486172 | 5.39 | IV |
| 363 | 18.449551 | 78.495704 | 14.16 | IV |
| 364 | 18.450824 | 78.501153 | 17.51 | IV |
| 365 | 18.442955 | 78.492216 | 9.58 | IV |
| 366 | 18.442520 | 78.485021 | 6.45 | IV |
| 367 | 18.461541 | 78.482917 | 4.63 | IV |
| 368 | 18.451354 | 78.497468 | 30.59 | V |

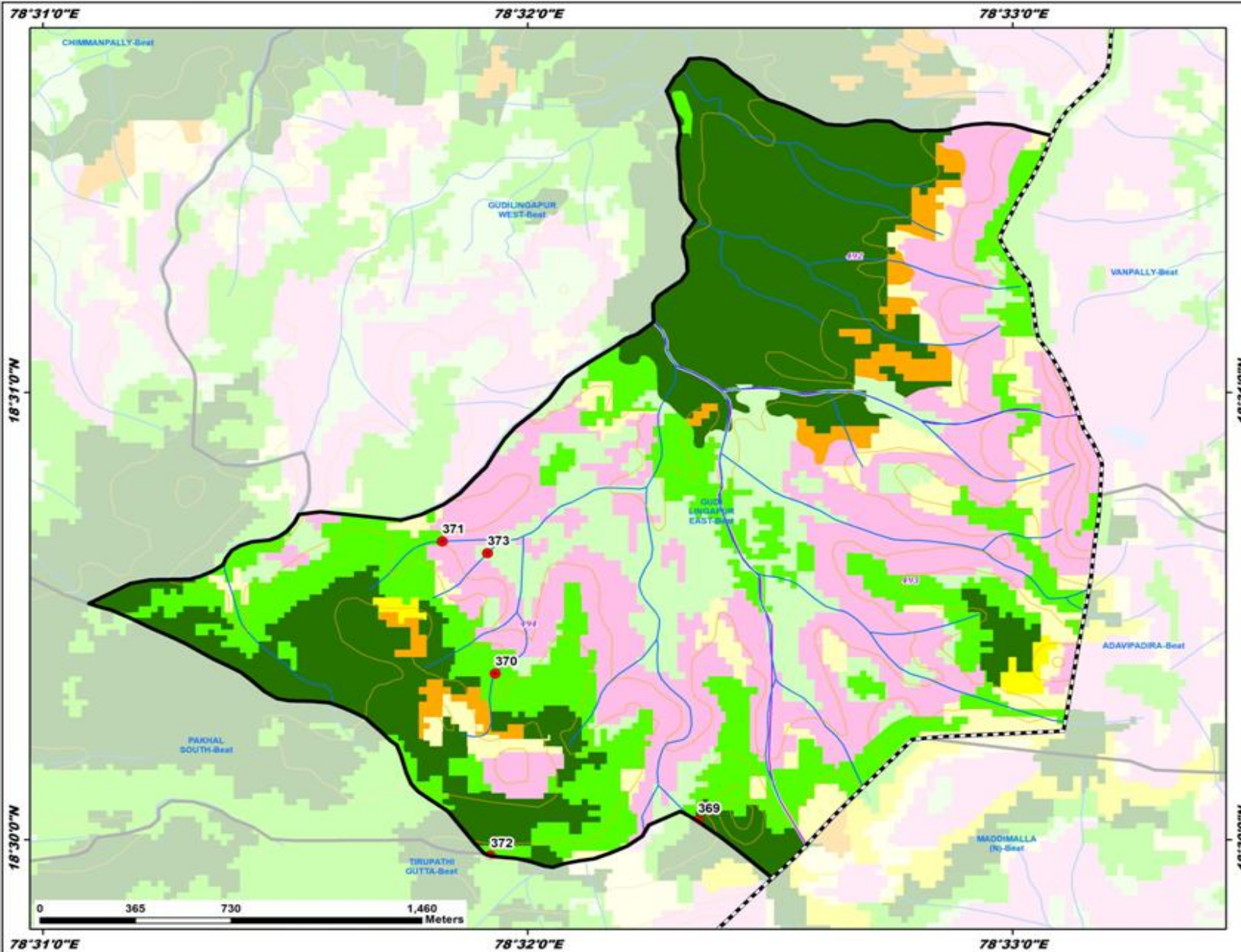
LEGEND

- 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 Gudi Lingapur East Beat



Division : Armour
Range : Sirikonda

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 369 | 18.500715 | 78.539189 | 7.79 | I |
| 370 | 18.506190 | 78.532213 | 10.77 | II |
| 371 | 18.511117 | 78.530400 | 8.92 | III |
| 372 | 18.499412 | 78.532056 | 28.30 | III |
| 373 | 18.510679 | 78.531948 | 7.24 | IV |

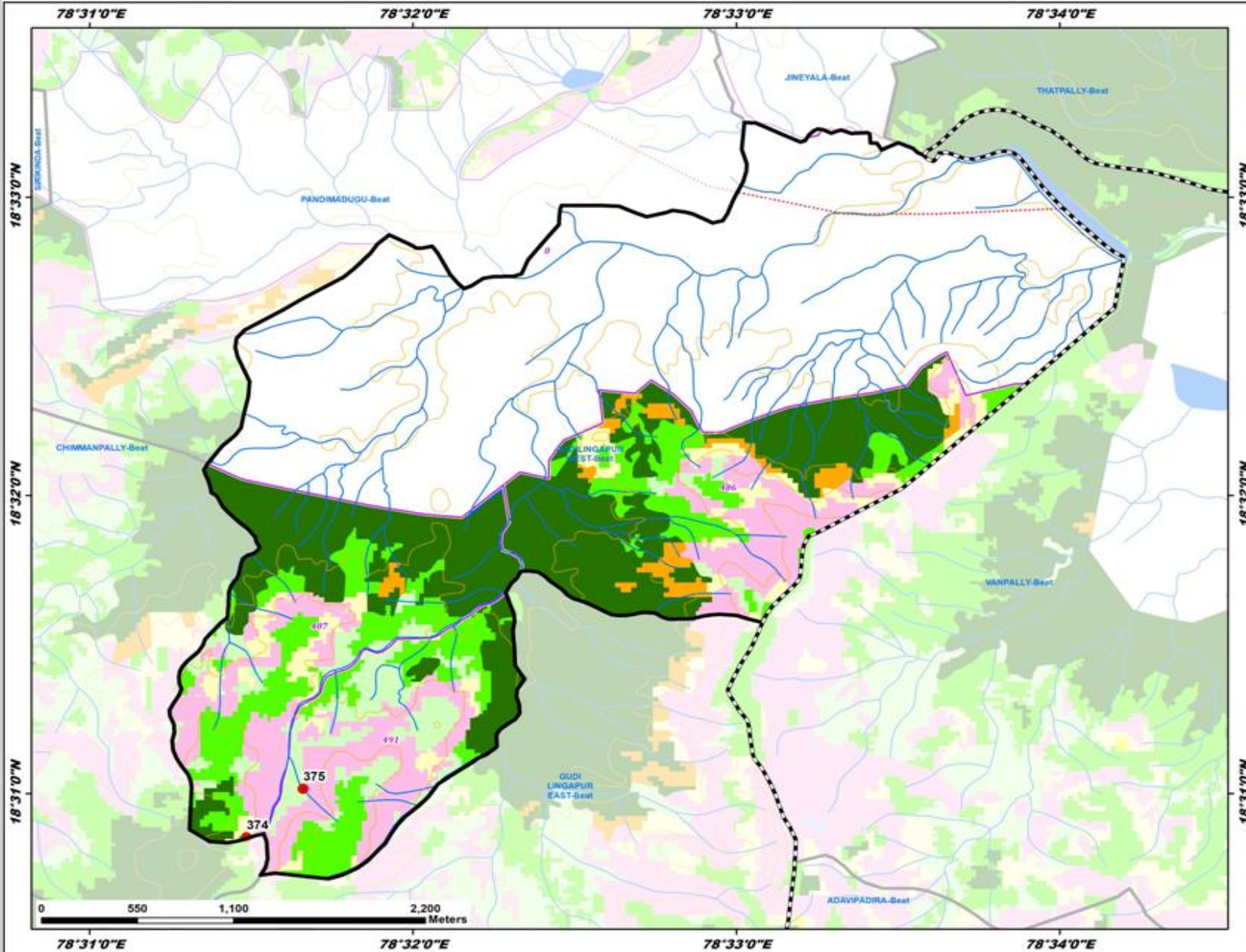
LEGEND

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

Map Showing Suitability Index for Construction of SMC Works of Gudilingapur West Beat



Division : Armour
Range : Sirikonda

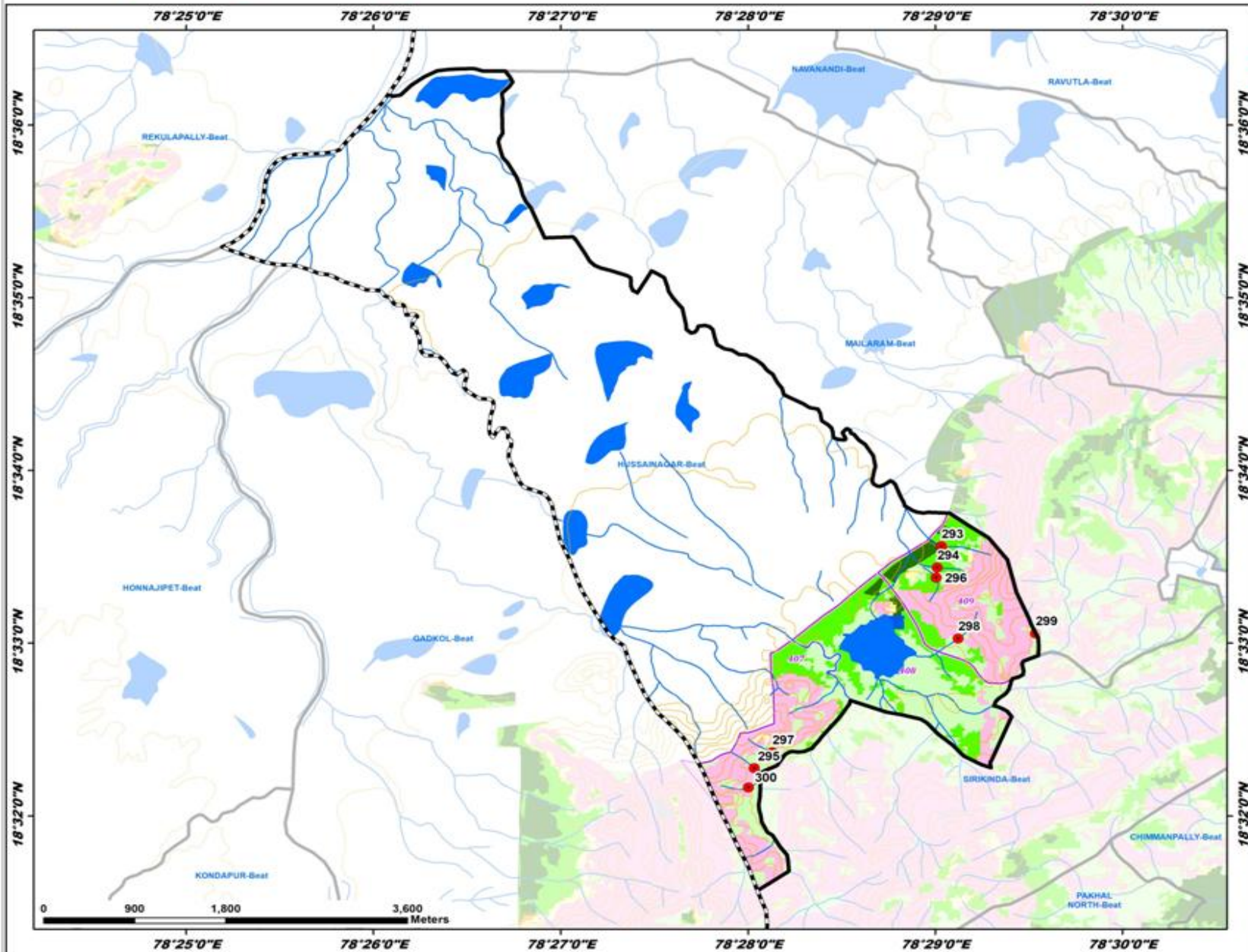


| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 374 | 18.514222 | 78.524750 | 8.09 | II |
| 375 | 18.516943 | 78.527665 | 9.92 | IV |

LEGEND

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

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



Division : Armour
Range : Sirikonda

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 293 | 18.559957 | 78.489113 | 32.32 | I |
| 294 | 18.557298 | 78.483525 | 15.87 | II |
| 295 | 18.537950 | 78.467240 | 7.65 | IV |
| 296 | 18.556339 | 78.483433 | 16.04 | IV |
| 297 | 18.539475 | 78.468856 | 10.80 | IV |
| 298 | 18.550466 | 78.485402 | 12.90 | IV |
| 299 | 18.550940 | 78.492381 | 23.79 | IV |
| 300 | 18.536076 | 78.466730 | 25.44 | V |

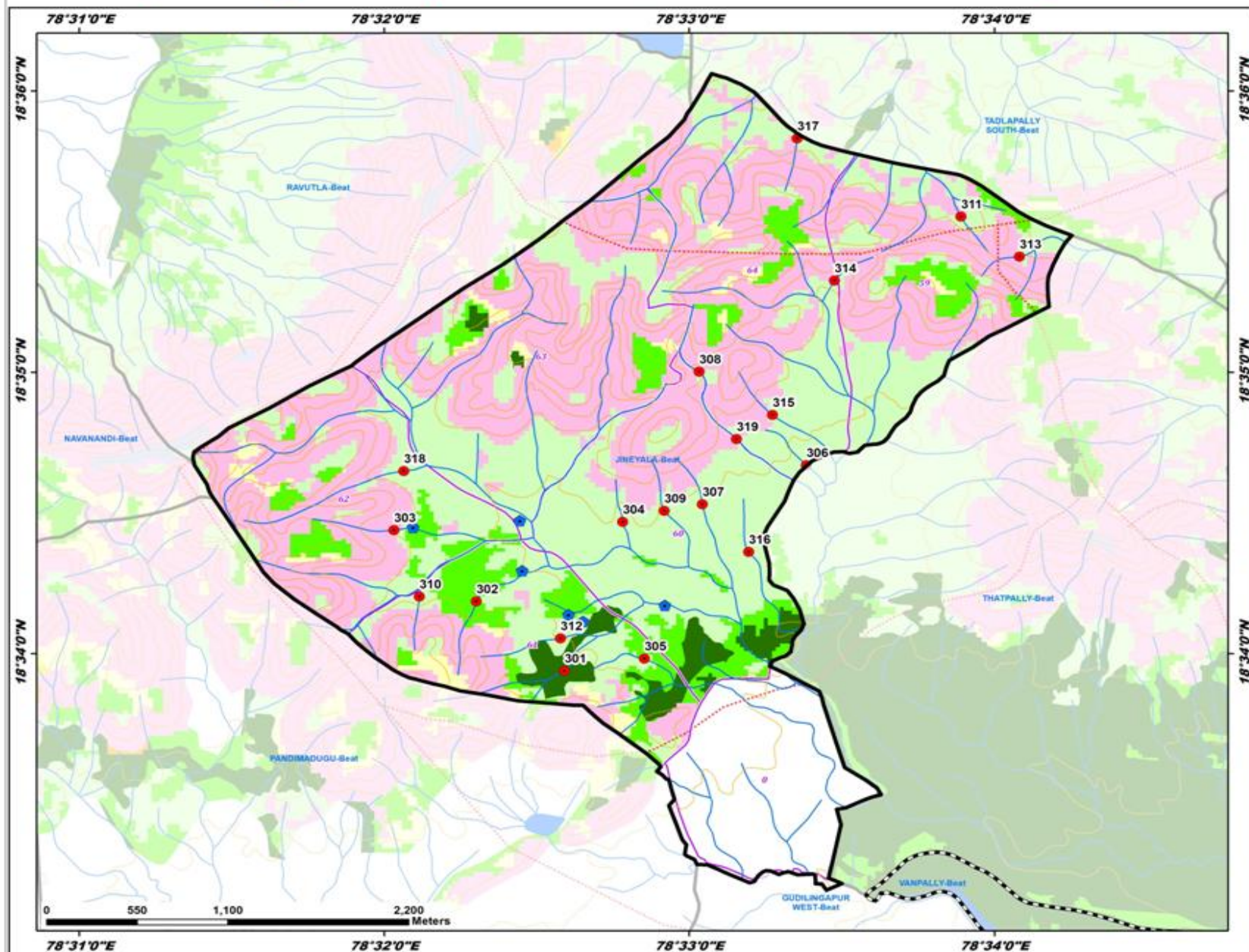
LEGEND

- 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 SGPs - Suitable
- Not Suitable
- Water Body

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



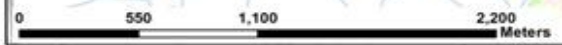
Division : Armour
Range : Sirikonda



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 301 | 18.565653 | 78.543176 | 27.95 | II |
| 302 | 18.569762 | 78.538355 | 16.20 | II |
| 303 | 18.579990 | 78.533856 | 11.74 | IV |
| 304 | 18.574481 | 78.546358 | 10.21 | IV |
| 305 | 18.566380 | 78.547548 | 10.70 | IV |
| 306 | 18.577834 | 78.556395 | 5.69 | IV |
| 307 | 18.575525 | 78.550715 | 9.85 | IV |
| 308 | 18.583374 | 78.550539 | 13.79 | IV |
| 309 | 18.575128 | 78.548628 | 5.73 | IV |
| 310 | 18.570047 | 78.535254 | 6.77 | IV |
| 311 | 18.592557 | 78.564807 | 10.41 | IV |
| 312 | 18.567582 | 78.542958 | 14.90 | IV |
| 313 | 18.590529 | 78.568055 | 4.50 | IV |
| 314 | 18.588777 | 78.557941 | 9.63 | IV |
| 315 | 18.580810 | 78.554548 | 5.84 | IV |
| 316 | 18.572694 | 78.553250 | 18.43 | IV |
| 317 | 18.597186 | 78.555892 | 7.56 | IV |
| 318 | 18.577485 | 78.534392 | 28.20 | V |
| 319 | 18.579383 | 78.552582 | 31.66 | V |

LEGEND

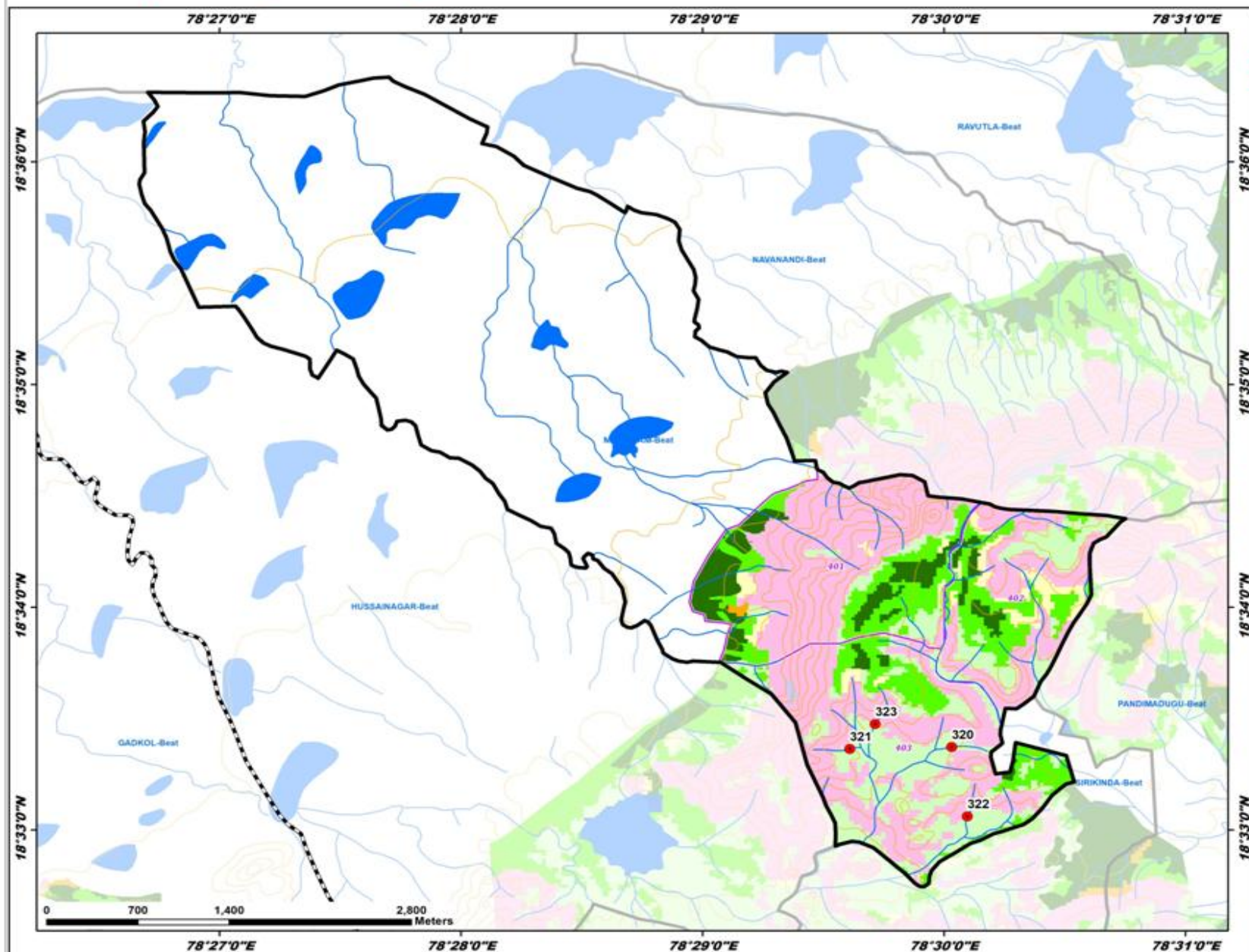
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary
- Suitability Index**
- CCTs/SCTs - Highly Suitable
- CCTs/SCTs - Moderately Suitable
- CCTs/SCTs - Least Suitable
- PTs - Highly Suitable
- PTs - Moderately Suitable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



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



Division : Armour
Range : Sirikonda



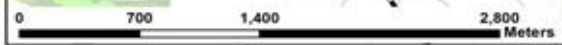
| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 320 | 18.556221 | 78.500548 | 11.16 | IV |
| 321 | 18.556074 | 78.499526 | 7.26 | IV |
| 322 | 18.551095 | 78.501628 | 7.24 | IV |
| 323 | 18.557938 | 78.495280 | 11.88 | IV |

LEGEND

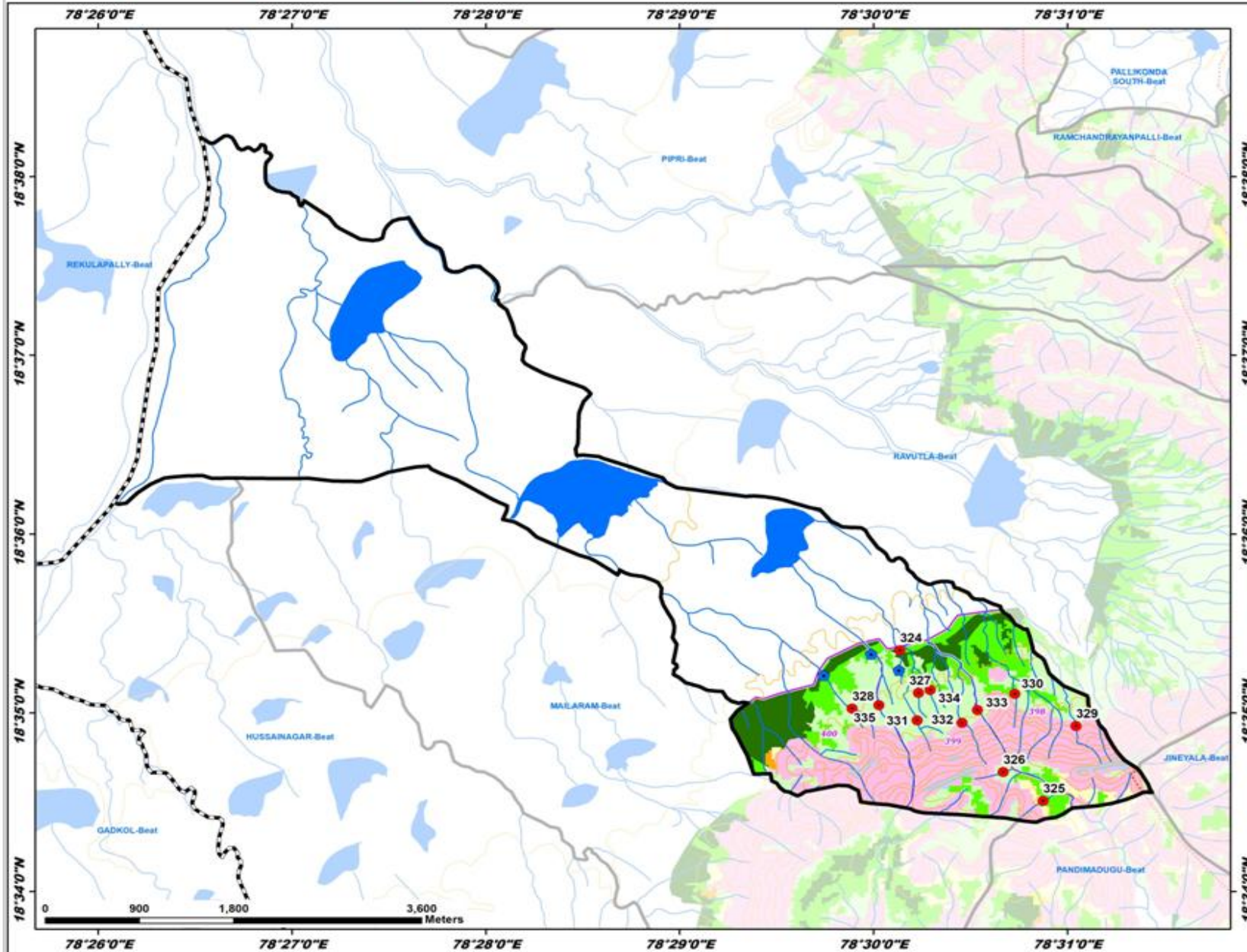
- Proposed PTs
- Existing CD/PTs
- Contours
- Streams
- Watershed Boundary
- Compartment Boundary
- ▭ Beat Boundary
- ▭ Division Boundary

Suitability Index

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



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



Division : Armour
Range : Sirikonda

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 324 | 18.589174 | 78.502278 | 4.70 | II |
| 325 | 18.575115 | 78.514595 | 8.19 | II |
| 326 | 18.577812 | 78.511172 | 6.71 | IV |
| 327 | 18.585196 | 78.503881 | 5.14 | IV |
| 328 | 18.583747 | 78.498172 | 6.15 | IV |
| 329 | 18.582122 | 78.517427 | 14.59 | IV |
| 330 | 18.585117 | 78.512185 | 4.54 | IV |
| 331 | 18.582648 | 78.503759 | 10.07 | IV |
| 332 | 18.582419 | 78.507637 | 10.85 | IV |
| 333 | 18.583600 | 78.508959 | 13.38 | IV |
| 334 | 18.585467 | 78.504880 | 17.55 | IV |
| 335 | 18.584054 | 78.500470 | 30.97 | V |

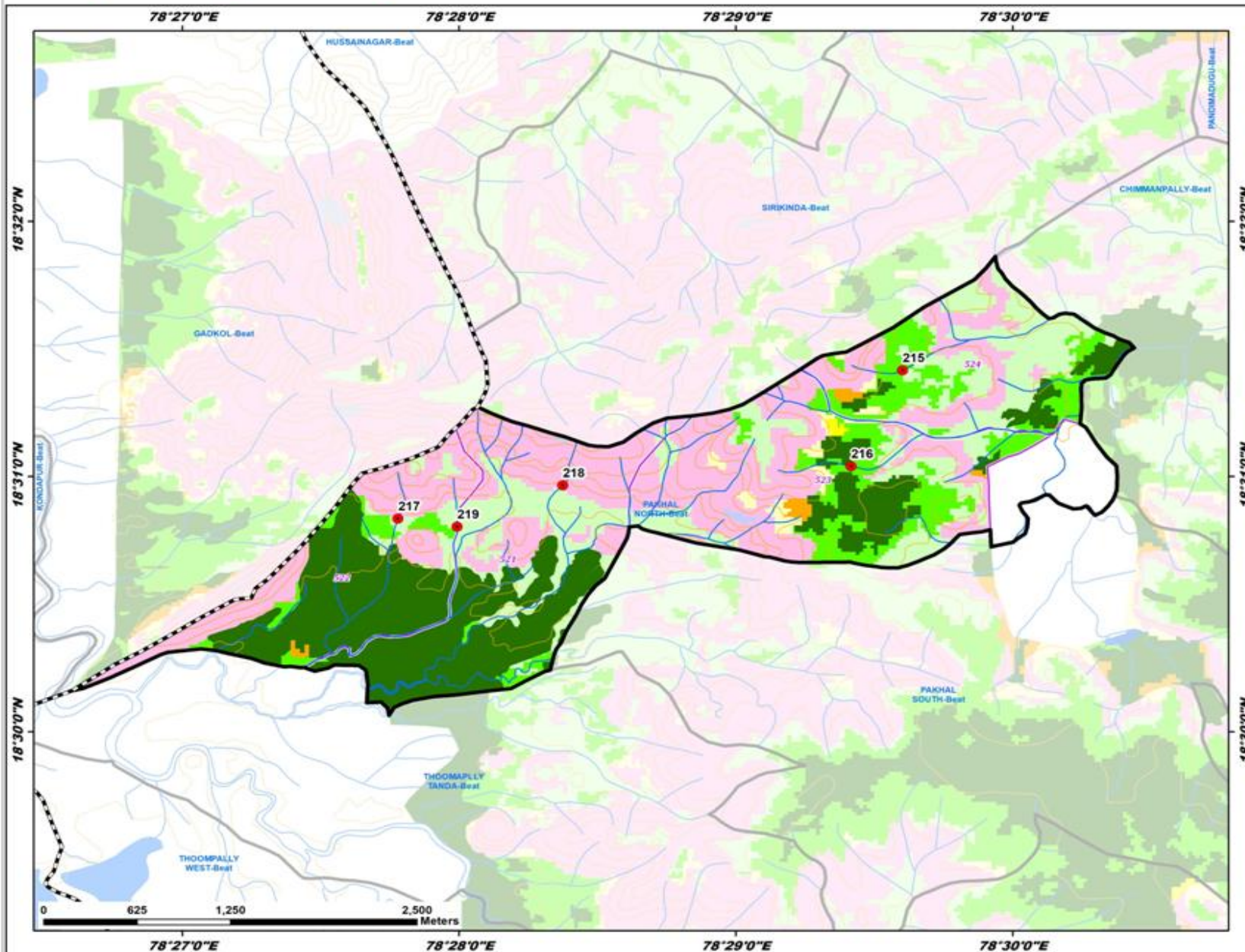
LEGEND

- 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 Pakhal North Beat



Division : Armour
Range : Sirikonda



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 215 | 18.523614 | 78.493389 | 14.44 | III |
| 216 | 18.517336 | 78.490278 | 26.06 | III |
| 217 | 18.513918 | 78.462997 | 6.95 | IV |
| 218 | 18.516092 | 78.472916 | 8.89 | IV |
| 219 | 18.513387 | 78.466557 | 15.60 | IV |

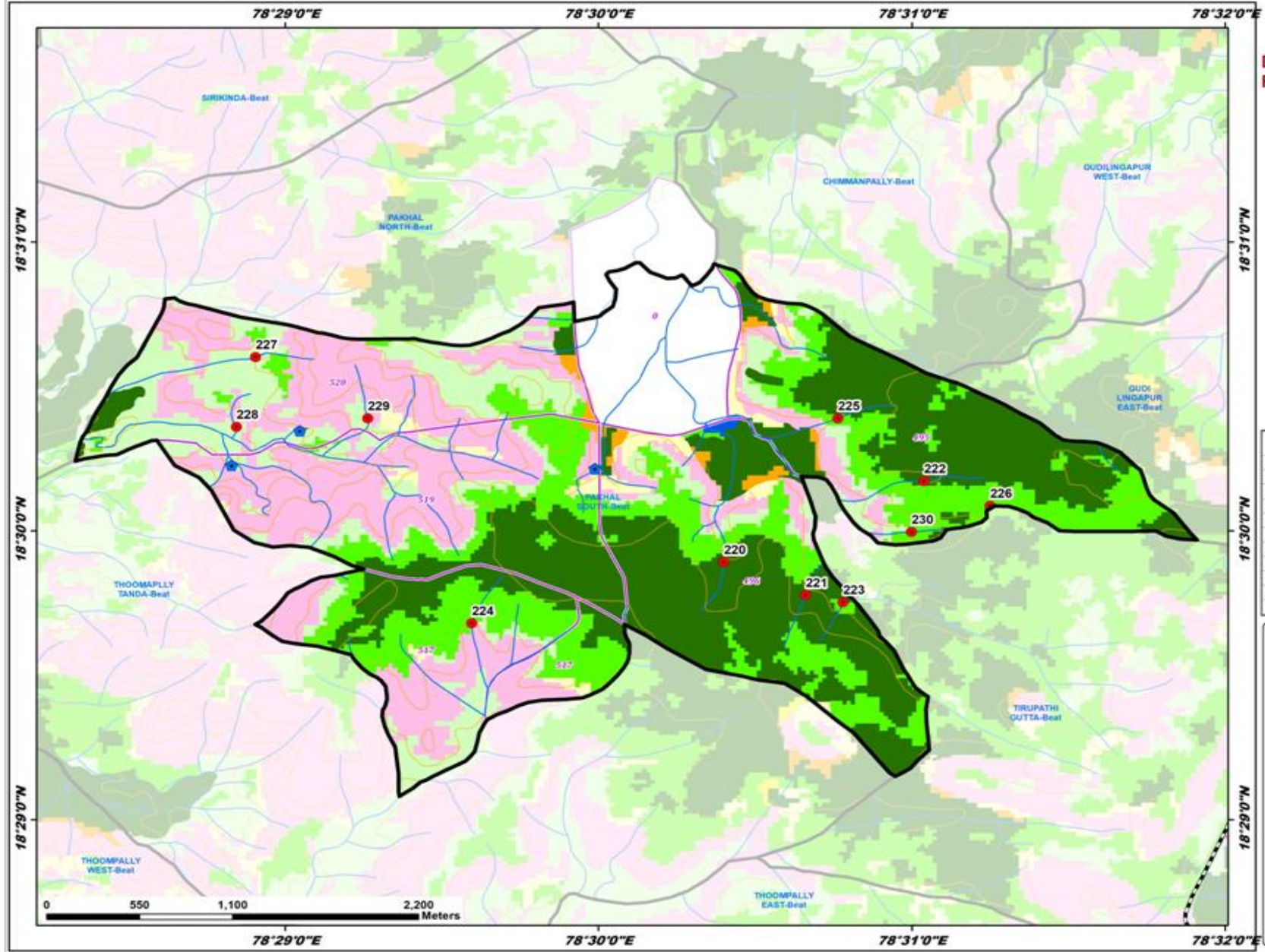
LEGEND

- 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 Pakhal South Beat



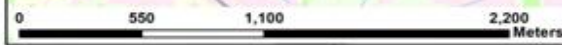
Division : Armour
Range : Sirikonda



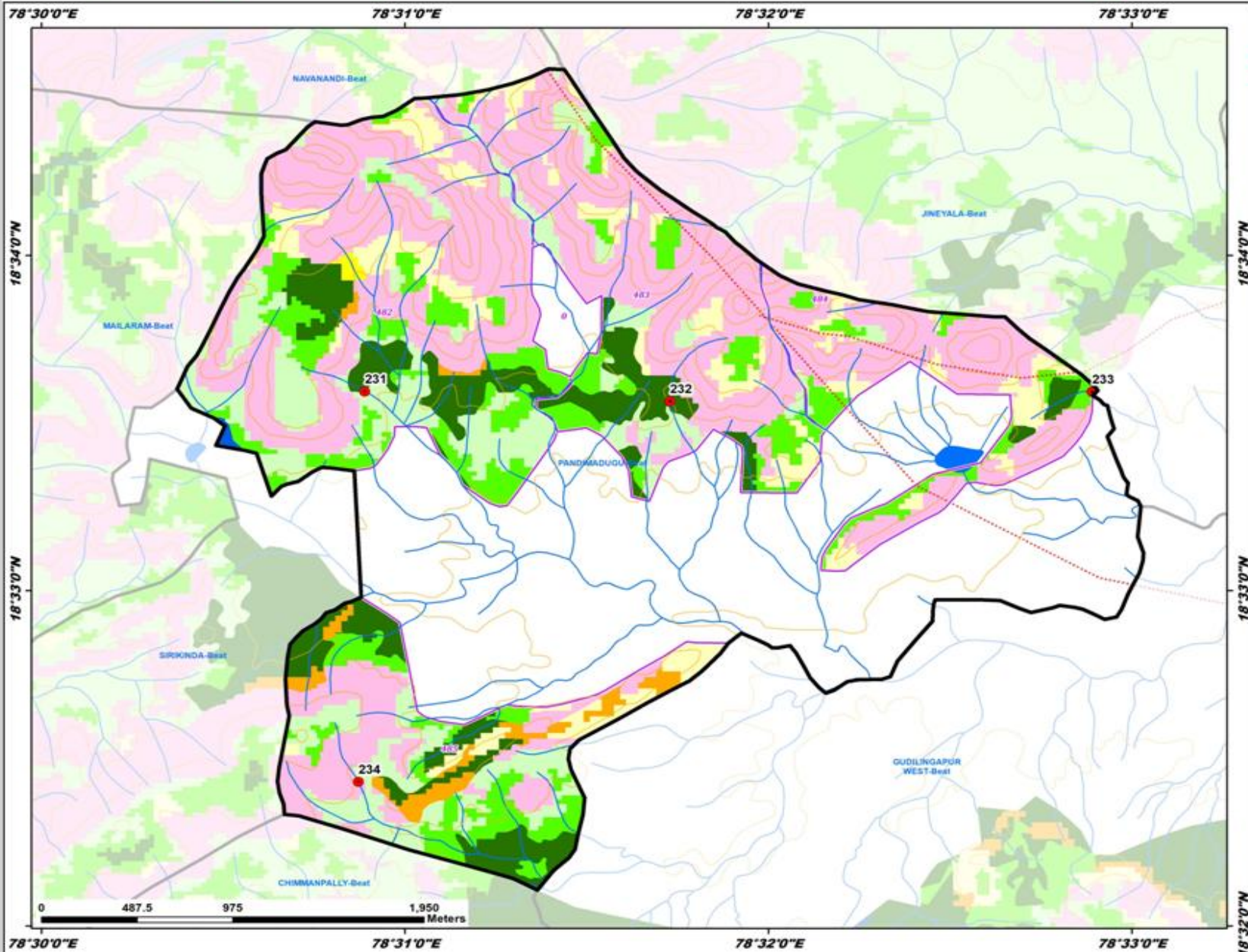
| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 220 | 18.498197 | 78.506669 | 11.30 | I |
| 221 | 18.496301 | 78.511030 | 24.56 | I |
| 222 | 18.502870 | 78.517327 | 22.25 | I |
| 223 | 18.495883 | 78.513006 | 6.69 | I |
| 224 | 18.494684 | 78.493266 | 19.86 | II |
| 225 | 18.506502 | 78.512746 | 22.04 | II |
| 226 | 18.501457 | 78.520838 | 45.93 | III |
| 227 | 18.510037 | 78.481750 | 8.98 | IV |
| 228 | 18.506003 | 78.480744 | 16.98 | IV |
| 229 | 18.506491 | 78.487729 | 11.69 | IV |
| 230 | 18.499947 | 78.516660 | 69.85 | 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 Pandimadugu Beat



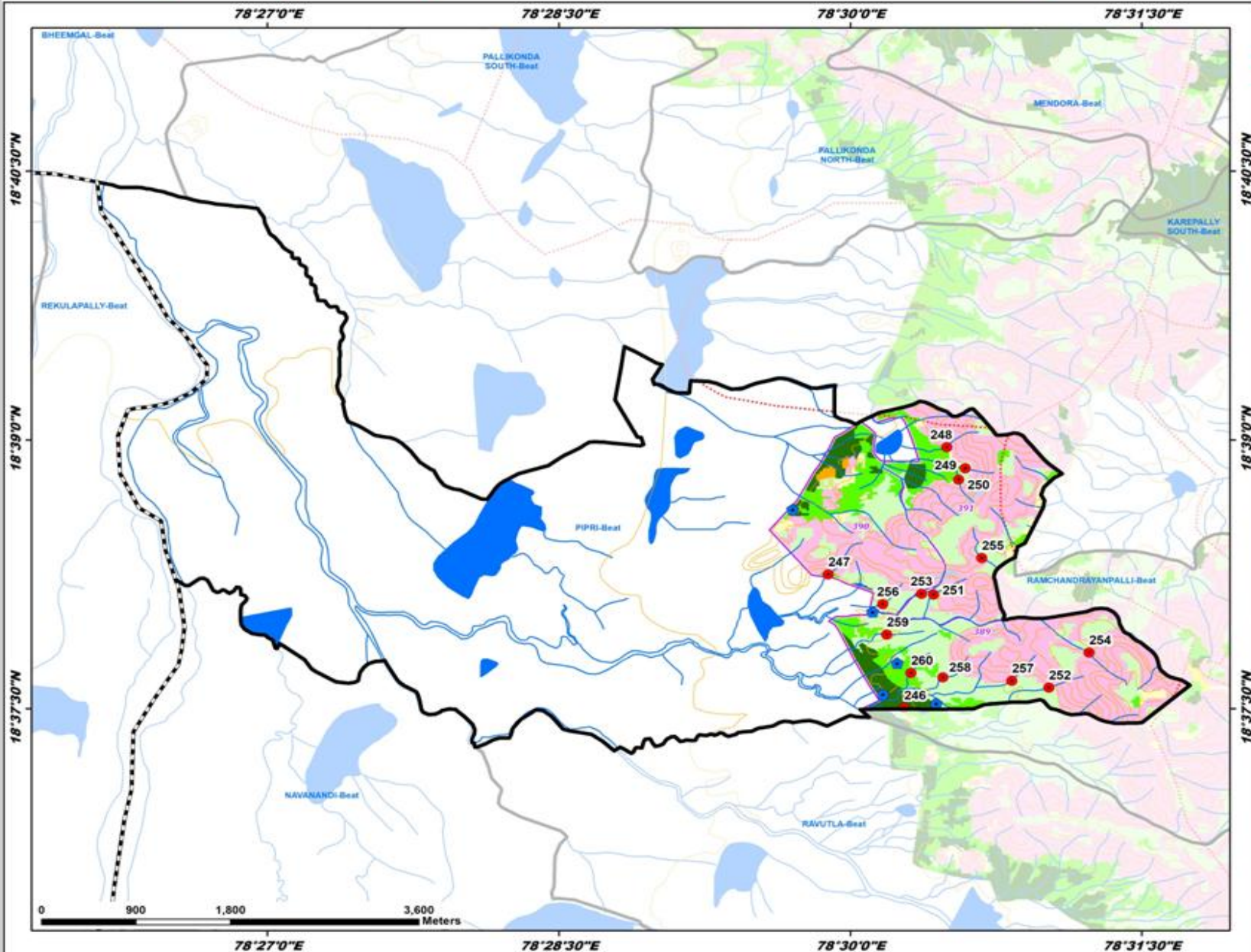
Division : Armour
Range : Sirikonda

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 231 | 18.559896 | 78.514623 | 13.91 | I |
| 232 | 18.559417 | 78.528621 | 11.34 | I |
| 233 | 18.559887 | 78.548163 | 17.04 | II |
| 234 | 18.540493 | 78.514527 | 8.37 | IV |

LEGEND

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

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



Division : Armour
Range : Sirikonda

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 246 | 18.625098 | 78.504607 | 5.15 | I |
| 247 | 18.637485 | 78.498093 | 9.79 | II |
| 248 | 18.649326 | 78.508284 | 6.75 | II |
| 249 | 18.647861 | 78.509865 | 23.68 | IV |
| 250 | 18.646301 | 78.509291 | 8.57 | IV |
| 251 | 18.635630 | 78.507144 | 8.88 | IV |
| 252 | 18.628961 | 78.517032 | 7.73 | IV |
| 253 | 18.635695 | 78.506120 | 7.75 | IV |
| 254 | 18.630221 | 78.520491 | 13.99 | IV |
| 255 | 18.639030 | 78.511291 | 11.44 | IV |
| 256 | 18.634737 | 78.502792 | 9.06 | IV |
| 257 | 18.627598 | 78.513855 | 7.81 | IV |
| 258 | 18.627926 | 78.507950 | 9.93 | IV |
| 259 | 18.631908 | 78.503140 | 6.28 | IV |
| 260 | 18.628337 | 78.505197 | 7.97 | IV |

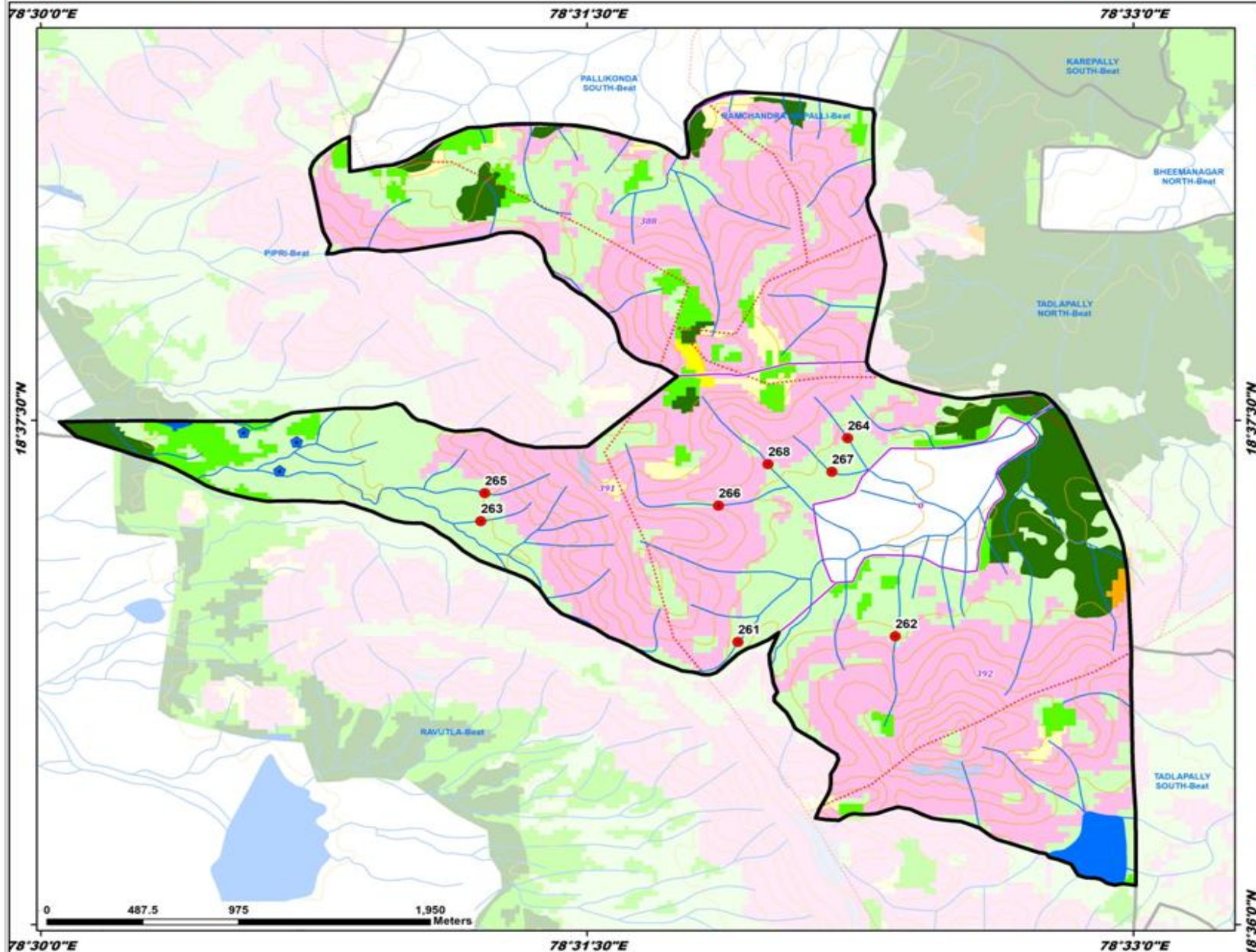
LEGEND

- 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 Ramchandrayanpalli Beat



Division : Armour
Range : Sirikonda

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 261 | 18.614013 | 78.531904 | 14.86 | IV |
| 262 | 18.614288 | 78.539101 | 22.37 | IV |
| 263 | 18.620007 | 78.520137 | 4.54 | IV |
| 264 | 18.624127 | 78.536918 | 11.64 | IV |
| 265 | 18.621392 | 78.520315 | 5.91 | IV |
| 266 | 18.620769 | 78.531012 | 24.11 | IV |
| 267 | 18.622490 | 78.536207 | 6.01 | IV |
| 268 | 18.622833 | 78.533280 | 25.56 | V |

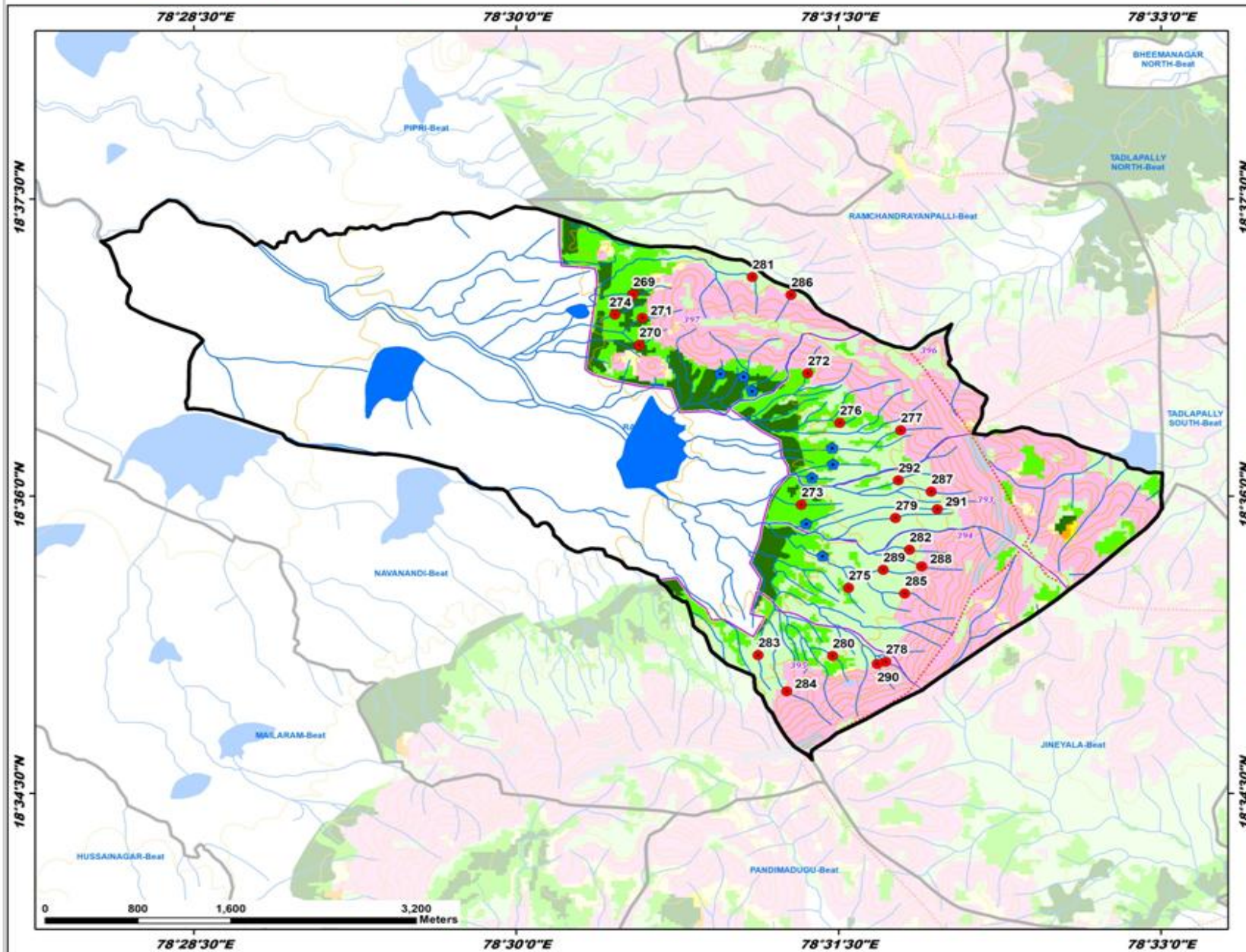
LEGEND

- 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 Ravutla Beat



Division : Armour
Range : Sirikonda



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 269 | 18.616988 | 78.509063 | 6.81 | I |
| 270 | 18.612729 | 78.509541 | 7.07 | I |
| 271 | 18.614998 | 78.509781 | 6.66 | II |
| 272 | 18.610940 | 78.522625 | 11.93 | II |
| 273 | 18.599287 | 78.522121 | 5.48 | II |
| 274 | 18.615276 | 78.507669 | 5.63 | II |
| 275 | 18.592299 | 78.525792 | 5.20 | II |
| 276 | 18.606156 | 78.525101 | 5.15 | II |
| 277 | 18.605552 | 78.529842 | 9.52 | IV |
| 278 | 18.586078 | 78.528665 | 6.60 | IV |
| 279 | 18.598172 | 78.529427 | 7.38 | IV |
| 280 | 18.586584 | 78.524542 | 5.61 | IV |
| 281 | 18.613448 | 78.518311 | 9.88 | IV |
| 282 | 18.595488 | 78.530512 | 6.93 | IV |
| 283 | 18.586637 | 78.518779 | 5.06 | IV |
| 284 | 18.583598 | 78.520992 | 13.52 | IV |
| 285 | 18.591826 | 78.530151 | 10.94 | IV |
| 286 | 18.610931 | 78.521325 | 5.94 | IV |
| 287 | 18.600387 | 78.532190 | 10.23 | IV |
| 288 | 18.594098 | 78.531462 | 13.22 | IV |
| 289 | 18.593811 | 78.528675 | 5.78 | IV |
| 290 | 18.585892 | 78.528013 | 5.96 | IV |
| 291 | 18.598914 | 78.532662 | 11.60 | IV |
| 292 | 18.601333 | 78.529644 | 9.01 | IV |

LEGEND

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

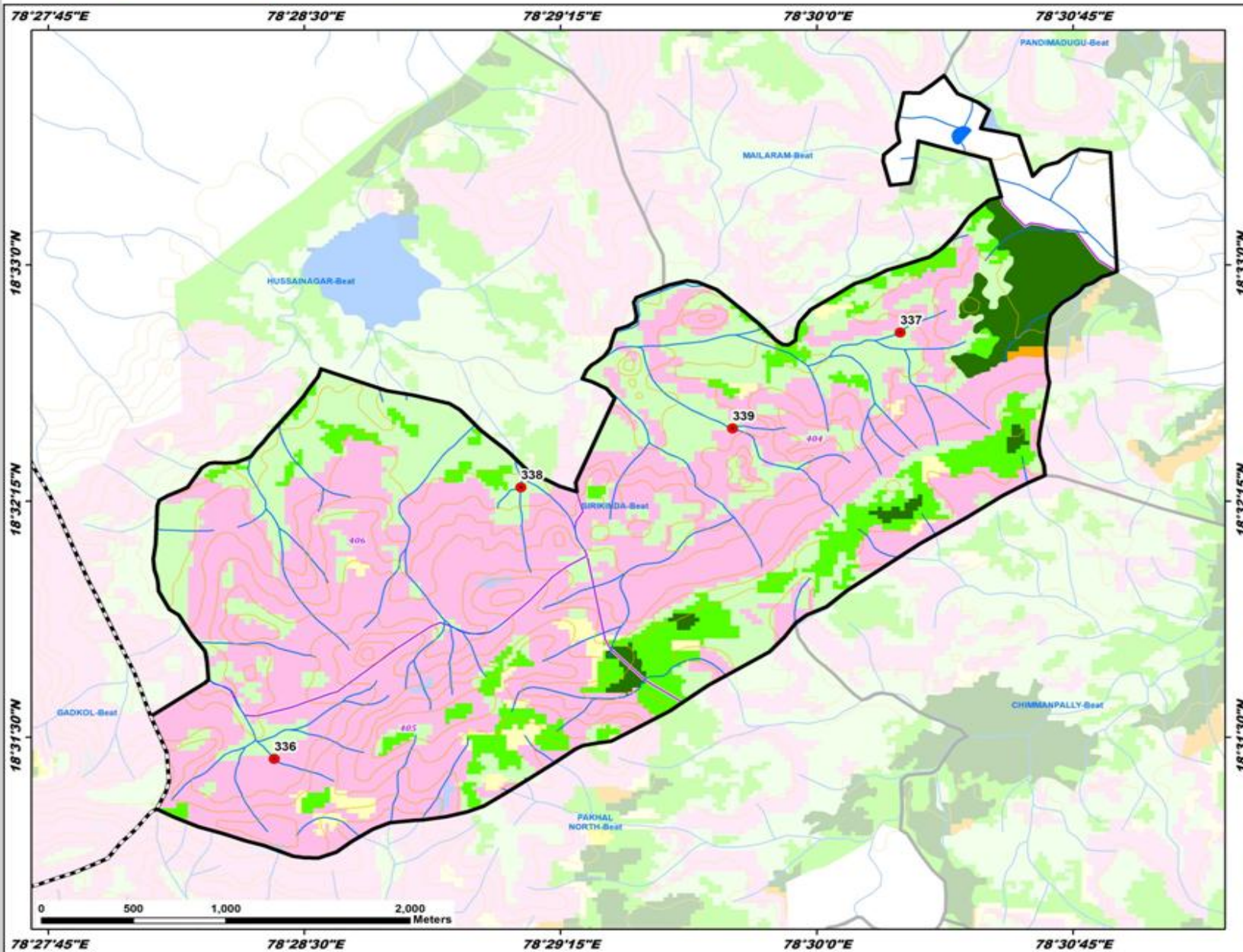
Suitability Index

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

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



Division : Armour
Range : Sirikonda

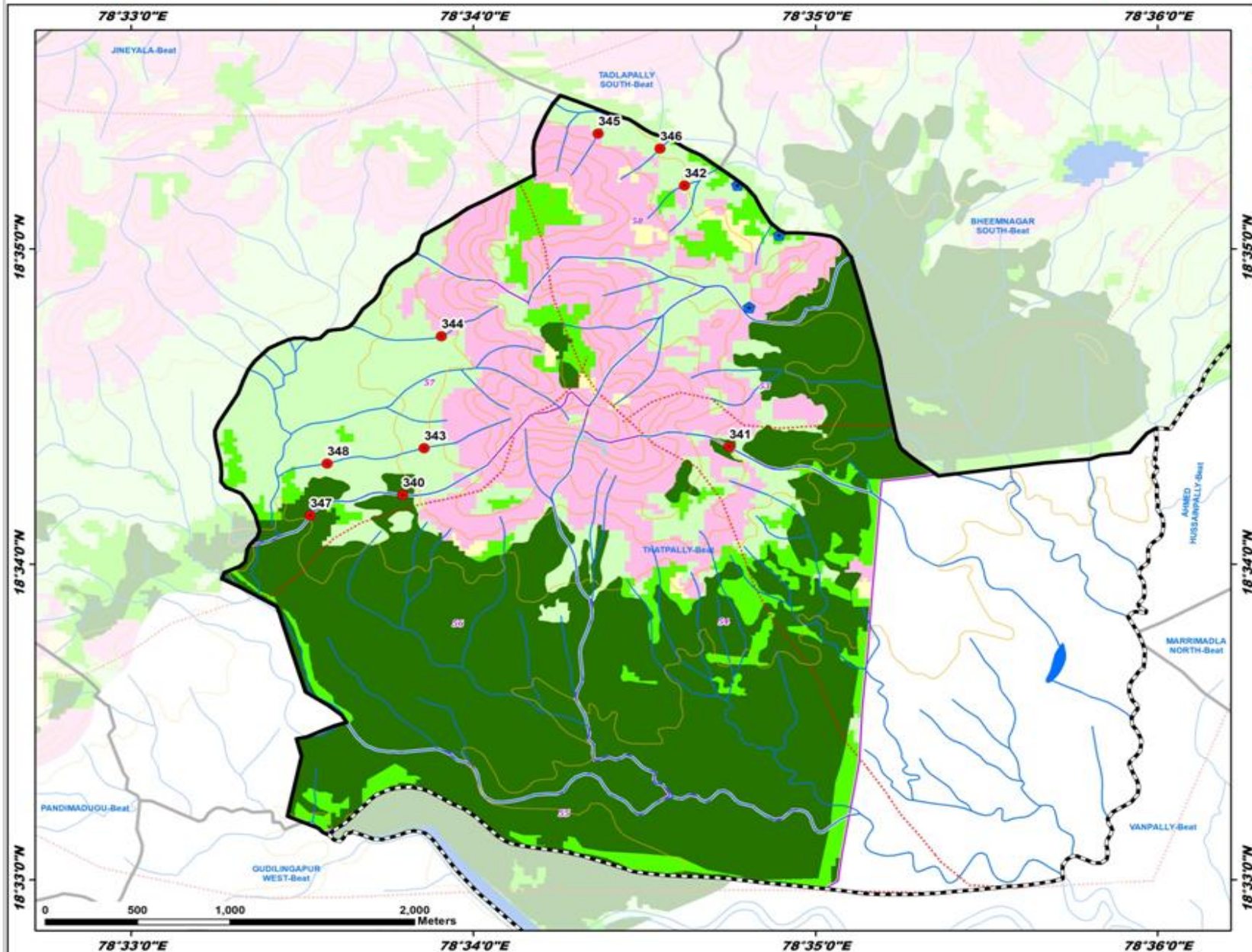


| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 336 | 18.523867 | 78.473525 | 12.45 | IV |
| 337 | 18.546424 | 78.504079 | 5.83 | IV |
| 338 | 18.538239 | 78.485565 | 13.67 | IV |
| 339 | 18.541156 | 78.499902 | 29.44 | V |

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 SGPs - Suitable
- Not Suitable
- Water Body

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



Division : Armour
Range : Sirikonda

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 340 | 18.570328 | 78.563223 | 14.85 | I |
| 341 | 18.572876 | 78.579131 | 16.31 | I |
| 342 | 18.586681 | 78.576959 | 7.44 | IV |
| 343 | 18.572908 | 78.564270 | 9.74 | IV |
| 344 | 18.578720 | 78.565110 | 7.79 | IV |
| 345 | 18.589423 | 78.572752 | 5.02 | IV |
| 346 | 18.588639 | 78.575763 | 11.10 | IV |
| 347 | 18.569247 | 78.558716 | 30.72 | II |
| 348 | 18.571982 | 78.559544 | 20.34 | IV |

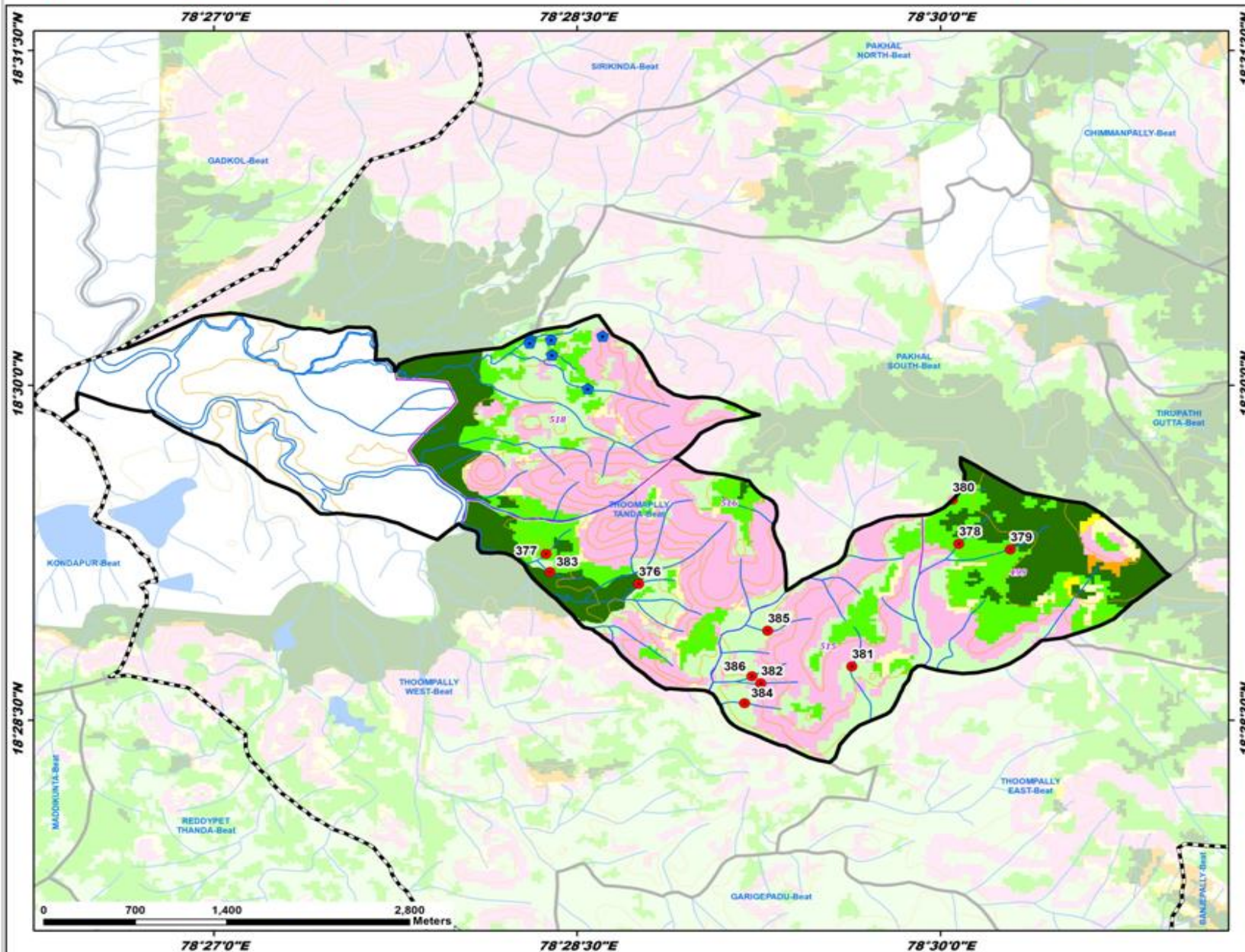
LEGEND

- 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 Thoomapally Tanda Beat



Division : Armour
Range : Sirikonda



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 376 | 18.485179 | 78.479233 | 4.93 | I |
| 377 | 18.487436 | 78.472861 | 8.06 | II |
| 378 | 18.488180 | 78.503276 | 10.61 | III |
| 379 | 18.487765 | 78.504820 | 30.86 | III |
| 380 | 18.491471 | 78.500827 | 35.34 | III |
| 381 | 18.479030 | 78.493909 | 8.15 | IV |
| 382 | 18.477771 | 78.487641 | 11.92 | IV |
| 383 | 18.486090 | 78.473122 | 9.14 | IV |
| 384 | 18.476291 | 78.486529 | 4.76 | IV |
| 385 | 18.481702 | 78.488122 | 13.22 | IV |
| 386 | 18.478296 | 78.487032 | 5.91 | IV |

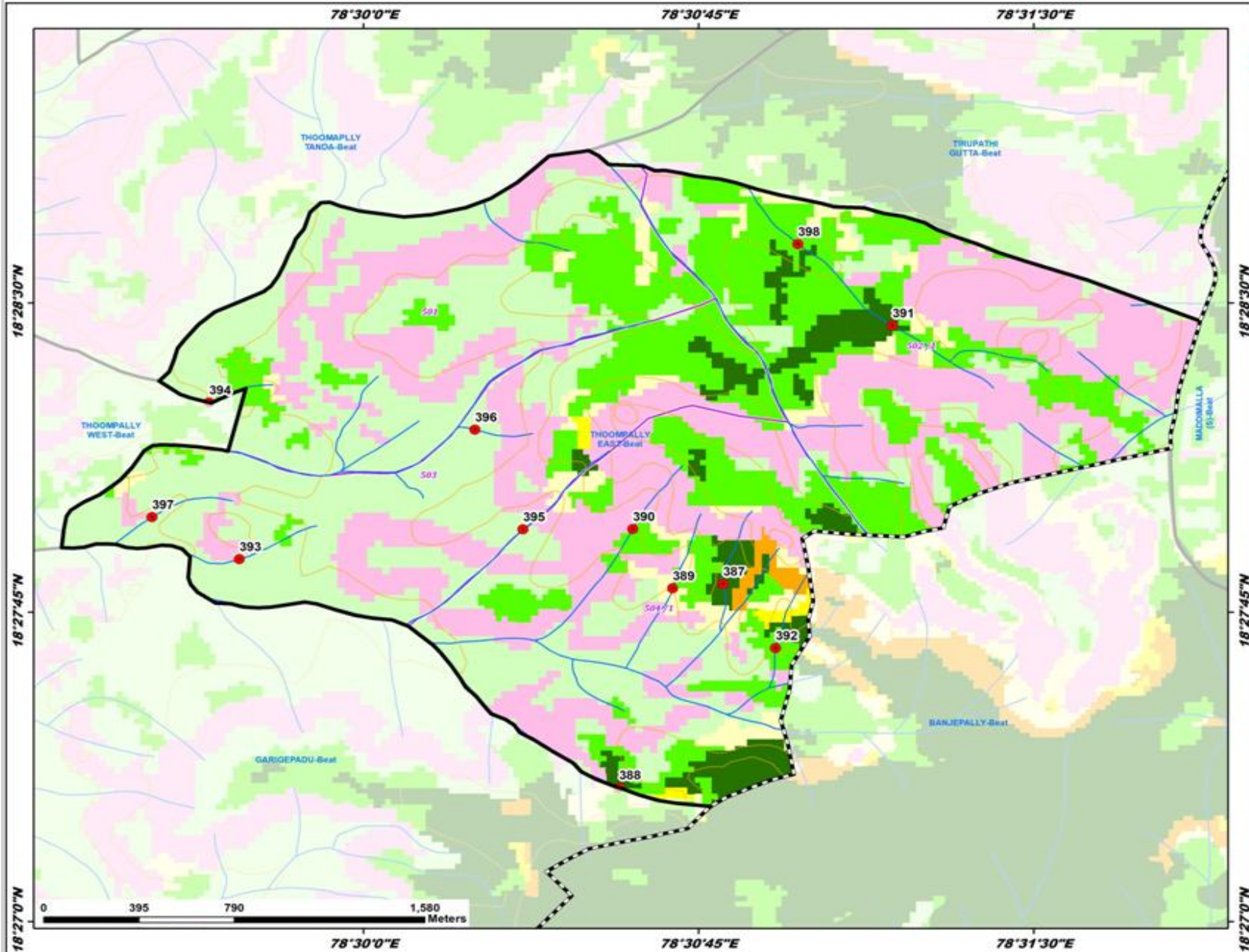
LEGEND

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

Map Showing Suitability Index for Construction of SMC Works of Thoompally East Beat



Division : Armour
Range : Sirikonda

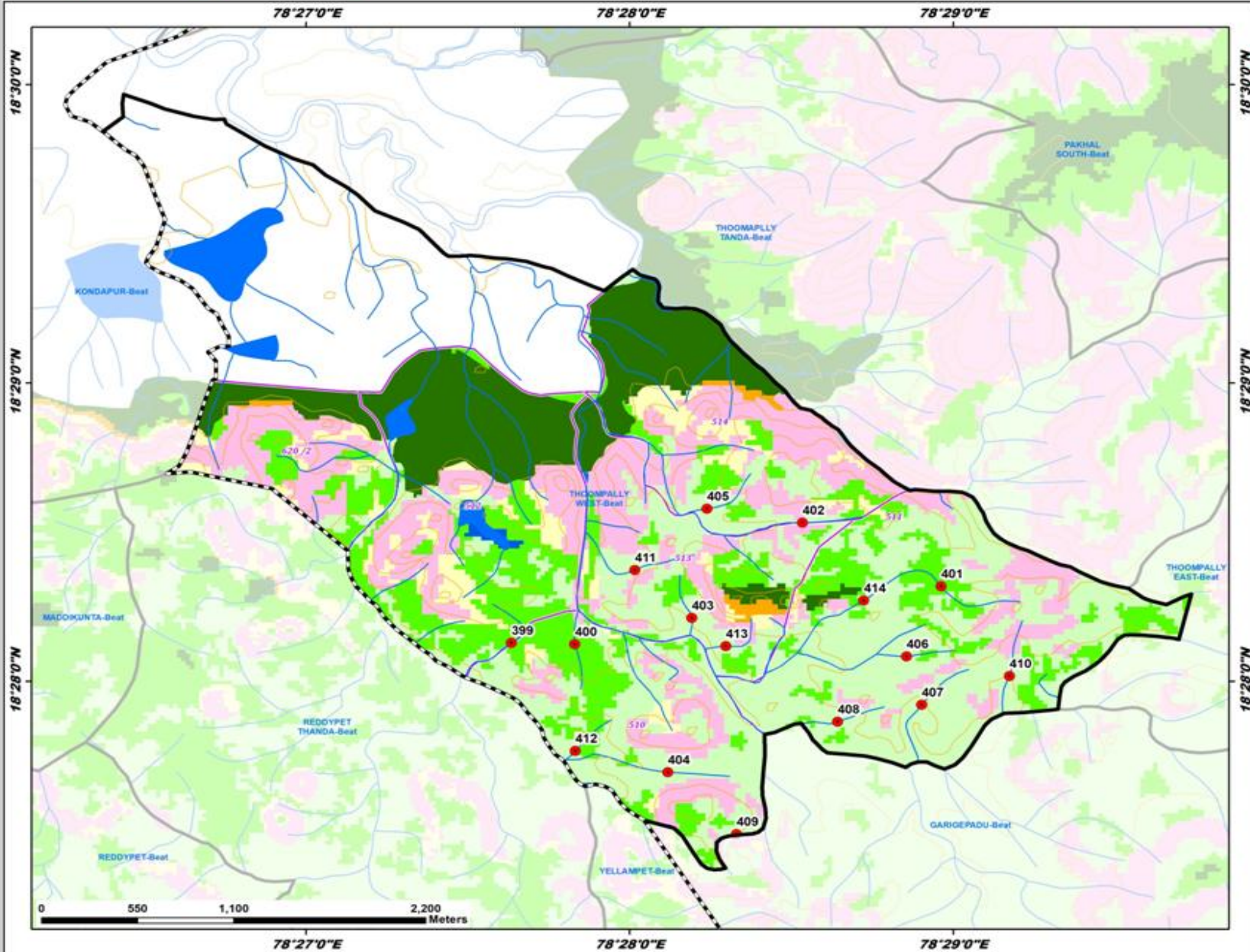


| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 387 | 18.463654 | 78.513420 | 6.98 | I |
| 388 | 18.455414 | 78.509540 | 7.97 | I |
| 389 | 18.463474 | 78.511537 | 9.16 | II |
| 390 | 18.465866 | 78.510049 | 12.46 | II |
| 391 | 18.474091 | 78.519728 | 42.96 | II |
| 392 | 18.461056 | 78.515374 | 12.77 | II |
| 393 | 18.464652 | 78.495369 | 14.95 | IV |
| 394 | 18.470987 | 78.494247 | 10.01 | IV |
| 395 | 18.465857 | 78.505949 | 10.28 | IV |
| 396 | 18.469889 | 78.504157 | 14.42 | IV |
| 397 | 18.466353 | 78.492111 | 10.54 | IV |
| 398 | 18.477994 | 78.516232 | 68.43 | IV |

LEGEND

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

Map Showing Suitability Index for Construction of SMC Works of Thoompally West Beat



Division : Armour
Range : Sirikonda

| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 399 | 18.468820 | 78.460588 | 11.20 | II |
| 400 | 18.468745 | 78.463850 | 9.10 | II |
| 401 | 18.471989 | 78.482709 | 13.51 | II |
| 402 | 18.475540 | 78.475572 | 12.93 | IV |
| 403 | 18.470221 | 78.469878 | 8.36 | IV |
| 404 | 18.461602 | 78.466635 | 16.78 | IV |
| 405 | 18.476319 | 78.470660 | 8.83 | IV |
| 406 | 18.468061 | 78.480928 | 5.86 | IV |
| 407 | 18.465362 | 78.481709 | 10.74 | IV |
| 408 | 18.464414 | 78.477381 | 12.10 | IV |
| 409 | 18.458145 | 78.472171 | 8.28 | IV |
| 410 | 18.466972 | 78.486237 | 9.11 | IV |
| 411 | 18.472886 | 78.466944 | 7.76 | IV |
| 412 | 18.462794 | 78.463875 | 9.57 | IV |
| 413 | 18.468638 | 78.471633 | 6.75 | IV |
| 414 | 18.471190 | 78.478734 | 46.74 | V |

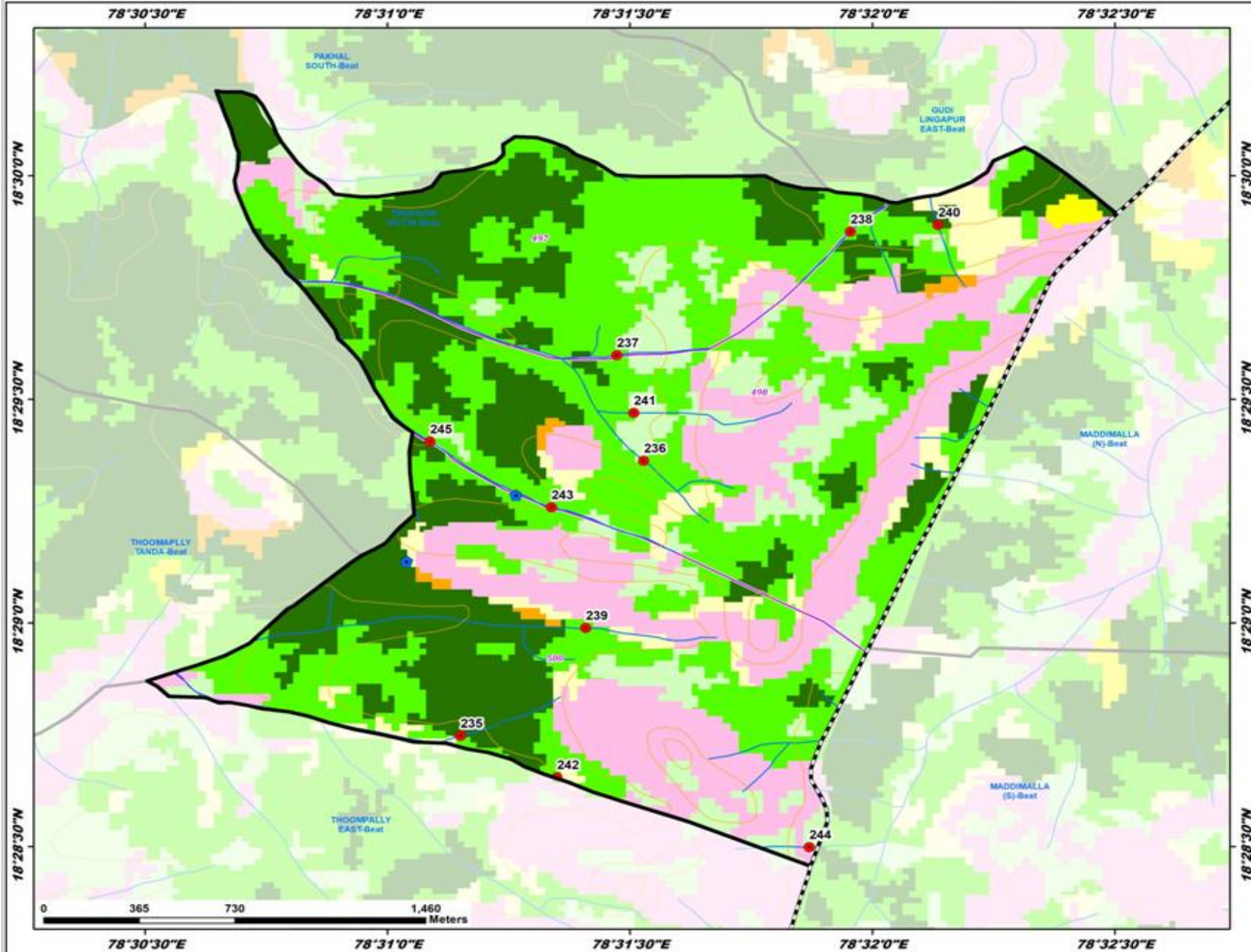
LEGEND

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

Map Showing Suitability Index for Construction of SMC Works of Tirupathi Gutta Beat



Division : Armour
Range : Sirikonda



| ID | Latitude | Longitude | Catchment Area Ha | PRIORITY |
|-----|-----------|-----------|-------------------|----------|
| 235 | 18.479132 | 78.519180 | 10.86 | I |
| 236 | 18.489378 | 78.525482 | 23.98 | II |
| 237 | 18.493307 | 78.524554 | 9.63 | II |
| 238 | 18.497917 | 78.532587 | 17.00 | II |
| 239 | 18.483147 | 78.523483 | 15.69 | II |
| 240 | 18.498171 | 78.535597 | 9.61 | II |
| 241 | 18.491162 | 78.525140 | 29.29 | III |
| 242 | 18.477586 | 78.522503 | 30.98 | III |
| 243 | 18.487643 | 78.522308 | 27.88 | III |
| 244 | 18.474983 | 78.531167 | 6.32 | IV |
| 245 | 18.490096 | 78.518129 | 49.97 | 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