

Guidelines for digitization for importing to Bhu-Naksha.

Required File format : Shape

Required Layers

1. Plots
Geometry : Polygon
Other mandatory attributes needed
 - a) Sequence to identify a village:
eg: District Code, Tehsil Code, RI code, Village code etc.
It can be a unique code after concatenating all the codes in hierarchy.
 - b) Plot Number

2. Other Layers
Geometry: Select a feasible geometry type for individual layers
Other mandatory attributes needed:
 - a) Sequence to identify a village:
eg: District Code, Tehsil Code, RI code, Village code etc.
It can be a unique code after concatenating all the codes in hierarchy.
 - b) A field which stores label if label has to be displayed on layer
 - c) Feature code : If multiple layers are stored in same file.

Other Requirements and Best Practices

1. It is best if all sheets in a village are merged (mosaized) to a single village map.
2. It is best if digitized in 1:1 scale with respect to ground. If so the software can easily display and print the map in any required scale. If it is unable to digitized in 1:1 scale then the scale factor in which each village is digitized has to be conveyed to user. This parameter is needed during import.
3. It is better if all layers are digitized to three files (Polygon, Line, Point) and proper code for the layer is mentioned as an attribute in the shape files. The same feature code has to be used for same layer for all villages. If different layers are digitized to different files then it will be more time consuming for user to import.
4. Provide proper coding for shape files. Keeping the shape file name same as unique village code (Concatenation of district, Tehsil, RI, Village code etc.) will help in creating bulk import procedures.
5. A master document of layer codes has to be provided to user.
The document must contain the feature code and its descriptive name.
6. A symbol library (jpeg, gif, png image) for symbolizing feature and legend has to be provided to user.