

- ❖ Methodology/ ISRO data/ GIS steps/ Complexity used for Slope, Aspect and Hillshade Analysis:
 - Cartosat DEM Images and LOC Shape File were downloaded from BHUVAN Portal.
 - Slope, Aspect and Hillshade Analysis was performed using Raster Analysis option in QGIS.
 - A 3D Terrain Model for LOC Region was generated using Slope and Hillshade raster images and Qgis23Gis plugin. The 3D Map model has been uploaded in the link below:
https://drive.google.com/file/d/13bRgGocuo3xBmaA0bCwbD1e_5vZmqFDG/view?usp=sharing

- ❖ Methodology/ ISRO data/ GIS steps/ Complexity used for NDSI Mapping:
 - MODIS .hdf file was downloaded from NSIDC website and LOC Shape File were downloaded from BHUVAN Portal.
 - NDSI Mapping was done using QGIS.

- ❖ Potential application of the map:
 - Slope, Aspect and Hillshade Maps were designed especially for Defence forces.
 - NDSI Map can be used for deriving Snow Cover as well.