Mapathon 2020
Submission Description: GIS_Ready stereo maps using Indian Satellite data

Inputs:
>   Cartosat Data: Product type – Stereo Ortho Kit
>   Number of stereo pairs: 9
>   Vector layers from Bhvan
>   Ground Control Source: Bhuvan
>   Area of interest: Nizamabad dsitrict of Telangana, India

Software:
>   Photogrammetric processing: Hindavy (Indigeneous and inhouse software)
>   Map composition: QGIS
>>   (Plugin for QGIS - Bhuvan Web Services has been downloaded from
>>   https://plugins.qgis.org/plugins/bhuvan_web_services-master/)

Products:
>   3 Anaglyph Maps are submitted (as JPGs at 300 dpi)
>   Nizamsagar.jpg at 1:20,000
>   56F15SE.jpg   at 1:25,000
>   &
>   Nizamabad district stereo map at small scale

Advisory:
>   One needs to wear the red-cyan filters to see the product in stereo. If reading lenses are being used, wear the colour filters over them.

>   The products are aligned with your eye-base axis. Viewing them from different directions may give sub-optimal 3D perception.

Uniquenesss of the Products
>   GIS-ready raster layer – offers stereoscopic view
>   Ingested into a mapping project – alongwith other base layers
>   Refer to the anaglyph when in doubt while doing 2D mapping

Applications
>   Applications include – geomorphological mapping, watershed delieneation, identification of potential locations for check dams, identification of multi-storeyed buildings for taxation purpose, topographic mapping, strategic planning, and as verification tool for QC.

Submtted by
>   Murali Mohan ASRKV
>   Mobiterra Solutions (I) Private Limited

photogrammetry@rediffmail.com
+91 99852 93505