

## TRAINING OF TRAINERS PROGRAMME ON HI-TECH SURVEY

SI NO	Topic
1	Brief overview of Odisha Survey and Settlement Act, 1958 and Details of Odisha Special Survey and Settlement Act, 2012. Odisha Special Survey and Settlement Rules, 2012 Difference of new method of survey and ROR Preparation from the old.
2	Concept of DGPS, ETS. Pure ground method of Cadastral Survey
3	Concept of Arial Photography and High Resolution Satellite Imagery. Hybrid methodology of Cadastral Survey
4	Concept of ground control points, their monumentation, national grid survey of India topo sheet reference. Acquaintance with photogram try and High Resolution Satellite Imagery in Laboratory
5	Concept of process flow of Hi-tech survey operation : GCP planning and Monumentation, Acquisition of raw images and Ortho Photo Generation, Boundary fixation, plot Vectorization, Obscured / Gharabari areas survey (ground trothing), Draft Map preparation, different stages of ROR Preparation including dispute resolution mechanisms, Roles and responsibilities of different stake holders during Hi-Tech Survey Operation.
6	Acquaintance with operation of DGPS & ETS in field condition (practical)
7	Manner of Recording of Govt. Land (state Govt. and central Govt), Deity land, Wakf land and land of Lord Jagannath.
8	Installation of survey pillar / peg at one kilometer grid interval and GPS Observation for 1 hour at all points GPS post processing Kinematic (PPK) observation of mock survey area
9	Manner of Recording of Private (Rayati) Land with emphasis on recording of status (Swattwa), caste including kisam niyamabali pertaining to private Land Remarks column entries, principal of assessment of rent.
10	Survey using ETS of mock survey area , preparation of field sketch
11	GPS and ETS observation data processing in lab condition and generation of map
12	Study of digital map in lab and application of Bhunaksha software
13	FAQs & Doubt Clearance