



Vinod Kumar Survey & Mapping Solutions

CORPORATE PRESENTATION

DATE : FEB'24

"Engineering Tomorrow's Landscapes, Today."

At VKSMS- Vinod Kumar Survey and Mapping Solutions, is a leading consultancy company with its head quarter in New Delhi. We're more than just engineers; we're innovators, problem-solvers, and collaborators dedicated to pushing the boundaries of what's possible. Established in 2020, we have been at the forefront of engineering excellence, dealing in the sectors of Civil Engineering and Construction Project Management Services such as Transportation, Water, Urban & Industrial Development, Traffic Survey & Analysis, Research Studies and Environmental & Social Impact Assessment Studies and delivering cutting-edge solutions to clients worldwide.

With a team of highly skilled engineers, designers, and project managers, we specialize in providing comprehensive solutions tailored to meet the unique needs of each client. Whether it's survey through Lidar , Drones , DGPS, RTK, total Station etc. we have the knowledge and experience to deliver results that exceed expectations



 **Vision**

“To Leverage cutting edge technology, fostering innovation and providing sustainable solutions in various fields”.



Mission

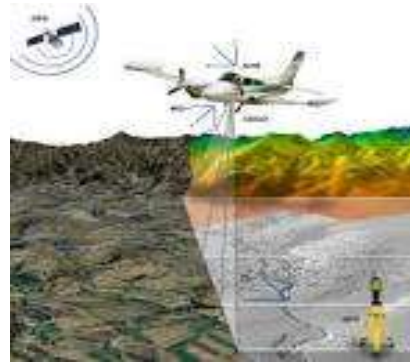
To contribute to the creation of a more prosperous working world. Through our insightful services, we strive to instill trust and confidence in global capital markets and economies.

VKSMS offers a range of services related to land surveying, civil engineering, and construction.

- Aerial and Lidar Survey
- Asset Survey and Updates
- Field Surveys
- Ground Surveys
- Ground control Network Establishment
- Utility Surveys
- Topographical Surveys
- Road, Railways, Alignment Surveys
- Hydrographic Surveys
- Storm Water Drainage Surveys
- Grid Surveys
- Detailed Town Planning Surveys
- Cadastral Surveys
- Transmission Line Surveys
- River & Reservoir Study Survey
- Pipeline, Canal route study & alignment Survey
- As-built survey
- Contour Survey
- L-Section & Cross-Section Surveys
- Ground Penetration Radar
- Digital Mapping
- Survey & Infrastructure Mapping
- Auto Cad Drawing
- Providing Survey Teams & Instrument of Hire

1 Aerial and Lidar Survey

- High-precision remote sensing technique utilizing laser pulses to capture detailed two / three-dimensional information of the Earth's surface and features.



3 Field Surveys

- On-site collection of data and measurements to assess and analyze the physical characteristics of the terrain, existing structures, or construction sites.



2 Asset Survey and Updates

- Cataloging & evaluating assets owned or managed by individual/ organizations which are covered are tangible / intangible items



4 Ground Surveys

- Collection of information on the Earth's surface / which include measurements & assessments conducted directly on the ground or near the surface.



5 Ground control Network Establishment

- Systematic & precise placement of physical markers or control points on the Earth's surface. These control points serve as reference points for geospatial surveys and mapping activities.



7 Topographical Surveys

- Detailed & systematic examination of the physical features of a land area. Map & accurately represent the natural/ artificial features on the Earth's surface e.g terrain relief, elevation changes etc.



6 Utility Surveys

- Identification, mapping, and assessment of underground utilities and infrastructure.



8 Road, Railways, Alignment Surveys

- Mapping and assessment of the route or path that a road or railway will follow. This is done using Total Stations, GPS, and LiDAR etc.



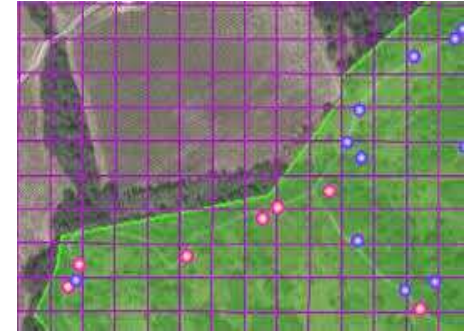
9 Hydrographic Surveys

- Measurement and mapping of underwater features of bodies of water, such as oceans, seas, lakes, rivers, and reservoirs. We use single-beam /multibeam echosounders, side-scan sonar, GPS



11 Grid Surveys

- Establishment of a grid network on a site to facilitate precise and systematic data collection. .



10 Storm Water Drainage Surveys

- Assessment and mapping of the drainage system designed to manage and control the flow of stormwater in urban or rural areas.



12 Detailed Town Planning Surveys

- Analysis & mapping of urban areas to support effective and sustainable town planning. Gathered data is used for creating a comprehensive understanding of the town's current state



13 Cadastral Surveys

- Measurement & demarcation of land boundaries, creating a detailed record of land parcels. This includes boundary identification, parcel mapping, land registration/ administration etc



15 River & Reservoir Study Surveys

- Comprehensive assessments and data collection activities related to rivers and reservoirs. This includes topographical mapping , hydraulic analysis, flood risk assessment, navigation studies etc.



14 Transmission Line Surveys

- Detailed mapping and assessment of the route where electrical transmission lines are planned to be installed



16 Pipeline/Canal Route Study /Alignment Surveys

- Systematic examination and evaluation of potential paths for the installation of pipelines or canals.



17 As - Built Surveys

- Detailed and accurate measurement and documentation of a constructed project or facility as it is completed. Eg. Actual dimensions, locations, and configurations of structures,



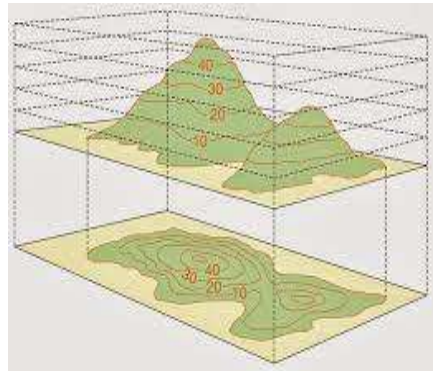
19 L-Section & Cross-Section Surveys

- Detailed information on the topography & profile of the terrain, along a linear infrastructure project like a road / pipeline. These provide valuable data for design, construction/analysis purposes



18 Contour Surveys

- Measurement and mapping of contour lines on a piece of land to represent the elevations and variations in the terrain



20 Ground Penetration Radar (GPR) Surveys

- Use radar pulses to image the subsurface. It is used for various applications, including utility detection, geological investigations, environmental assessments, and archaeological studies



21 Digital Mapping

- Creation, analysis & visualization of geographic information using digital technologies.



23 Auto Cad Drawings

- Widely used software application for creating 2D and 3D drawings and models.



22 Survey & Infrastructure Mapping

- Collection and representation of spatial data to create accurate and detailed depictions of physical features, assets, and structures.



24 Survey Teams / Survey Instruments on Hire

- Providing survey teams and instrument hire involves offering services related to land surveying by supplying skilled survey personnel and renting out surveying instruments and equipment.





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Thank You



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