



- Integrated design, planning and project management services for Buildings, Transportation, Telecommunications, Commercial, Institutional, Recreational and Water Supply projects.



- Survey, Design, Estimate, Construction, Supervision and Planning for major structures, which are locally adapted relating to Road, Water supply, Telecommunication, Infrastructure and Buildings.

Project Management Consultancy



- EIA and EMP, Environmental Audit and Monitoring, Water and Waste Water Treatment and Recycling System Design, Safety Related Risk Assessment, Environmental Site Assessment, Effluent Treatment, Water Supply and Distribution Network, Solid Waste Management, Landfill Site Selection etc.



- In house testing laboratory for Soil, Water, Air and Materials; support the activities of Environment Division.

Environment Division

Inhouse Facilities/Infrastructure

The central laboratories of the consultancy at Bhubaneswar H.Q.:-

- Geo-ICT Lab.
- Testing lab (Soil, Water & Material)
- Chemical and environmental lab.
- Survey data download / analysis lab.
- Local Lab facilities also exists at Branch Offices at Baripada, Balasore, Keonjhar, Jeypore, Jharsuguda, Berhampur and Khariar.
- Quality control tests at site thru Mobi-Lab (Vehicle based testing equipment loaded facility)
- Suvadra Training Centre and OKCL (Govt. of Odisha) ICT Training Centre.



Clients



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Suvadra Consultants
 AN ISO 9001:2008 CERTIFIED COMPANY
 GOVT. OF INDIA (MORTH) & GOVERNMENT OF ODISHA
 APPROVED CONSULTING AGENCY

An engineering consultant associated with

- Survey
- Mapping
- Structural Design
- Architecture
- Soil & Material Testing
- Sub-soil Exploration
- Geo-ICT
- Remote Sensing
- DGPS
- Detailed Project Report
- Quality Monitoring & Project Management Consultancy

HEAD OFFICE
 BHUBANESWAR, ODISHA (INDIA)
 www.suvadraconsultants.com

REGIONAL OFFICE
 DELHI, RANCHI, RAIPUR, SILIGUDI, GUWAHATI, VISHAKHAPATNAM

MANDATE



- SURVEY AND MAP PREPARATION / SPATIAL DATABASE CREATION / MAP AND DRAWING PREPARATION
- ARCHITECTURAL & STRUCTURAL DRAWINGS / DESIGN
- HIGHWAY, RAILWAY & BRIDGE ENGINEERING
- TOPOGRAPHIC & HYDROGRAPHIC SURVEY
- FEASIBILITY STUDY AND DPR PREPARATION FOR HIGHWAYS & BRIDGES.
- DPR FOR WATER SUPPLY
- QUALITY CONTROL (QAP)
- ENVIRONMENTAL MONITORING & ANALYSIS
- MAP DIGITIZATION & VECTOR CONVERSION, DATA INTEGRATION.
- PROJECT MANAGEMENT CONSULTANCY
- REMOTE SENSING BASED MAPPING AND RESOURCE MAP PREPARATION
- GPS/DGPS BASED SURVEY
- GEO-INFORMATICS BASED CPR, ASSET AND UTILITY SURVEY.

EMPANELMENT



- ISO Certified Firm- 9001 : 2008 Company
- National Small Industries Corporation Ltd. (NSIC/MSME).
- Ministry of Road Transport and Highways, Govt. of India (MoRTH).
- Govt. of Odisha Approved testing Laboratory
- Military Engineering Services (MES) Govt. of India.
- Defence Research & Development Organisation (DRDO) Govt. of India
- Jharkhand State Rural Road Development Authority-(JSRRDA).
- Chhattisgarh govt. Mineral Resources Dept. for DGPS Survey
- Jharkhand state Mining Department for DGPS Survey.
- Odisha Space Application Centre (ORSAC) Govt. of Odisha for DGPS Survey
- Odisha Mining Corporation (OMC).
- Approved agency for DPR preparation by Rural Development Dept. and PWD Dept. of Govt. of Odisha.
- National Aluminium Company (NALCO).
- Govt. of Odisha (OKCL) approved agency for e-learning in ICT sector.

MAJOR ACHIEVEMENTS

- Feasibility study and DRR of Road projects Odisha (500 Km.), Arunachal Pradesh (100 Km.), Sikkim (600 Km.), West Bengal (70 Km.)
- Road DPR, MoRD (PMGSY), Odisha (8000 Km.) and Sikkim (450 Km.)
- Water Supply and Sewage Projects - DPR preparations for the "Rural Piped Water Supply" for RWSS in 10 Block/Towns of Odisha.
- Geotechnical Survey and Soil Investigation for more than 500 companies of the country.
- Material Testing for all major Govt. Departments, C.P.W.D. and public sector undertakings.
- Soil Investigation and Structural Design of foundation for power and Telecommunication Towers.
- ETS and DGPS survey in linear mode (8000 Km.) and area survey (1500 Km.)



- In-house facilities for planning and design of all types of Townships, Builtup-area and Commercial Complexes.
- Architectural services, specializing in Residential homes and Apartments, Ammenties, Utility and Service sector Plan preparation along with support services for Commercial Complex, Fire Frightening, Structural System.
- Structural Engineering related to Built Environment. It includes, Bridges, Dams, Earthworks, Foundations. Pipelines, Power Stations, Railways, Retaining Structures and Walls, Roads, Waterways, Water Harvesting and Wastewater Infrastructure.



- ETS / GPS / DGPS / Auto Level / PDS based Survey
- Topographic Survey / Terrain Data Collection
- Alignment Survey (Power / Telecom / Road / Rail / Canal etc.)
- Design & Fixation of Ground Control Points and Control Extension
- Boundary Survey (Mining Lease, Forest area, Industry / Office / Residential Complex etc.)



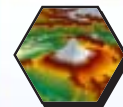
- Site investigation of Soil, Rock, Fault, Bedrock and Sub-soil etc.
- Risk assessment and design of foundations, Earthworks, Pavement and Sub-grades etc.
- Design for construction of Road, Building, Bridge, Flyover, Underpass, O.H. Tanks etc.
- Foundation Design for Built in Structure, Retaining Structure and Earthquake Measures etc.



- Soil Stratification and Foundation Depth Analysis.
- Soil Sample Testing
- Load-bearing capacity evaluation
- Cross section/ Longitudinal section preparation and Design for discharge



- Investigation of Founding strata
- Material Testing
- Evaluation of Structure
- On site Material Testing like ND Testing
- Soil and Water Testing
- On call Mobile Testing Laboratory



- Digitization and Spatial Data. Design and Development of Geo-databases.
- Data Migration, Data Transformation and Integration from multiple sources as per the Geo-data model.
- Integrate GIS, CAD and Global Positioning Systems (GPS) based services.
- Preparation of Contour maps, Spatial maps, Thematic maps, Landscape maps, and Site maps.



- Surveying, mapping and monitoring of natural resources and environment in various scales. Projects relating to:-
- Landuse/Land cover Mapping
- Urban Landuse Mapping
- Forest Density Mapping
- Biodiversity Mapping
- Wasteland Mapping
- Wetland Mapping
- Surface Waterbody Mapping
- Watershed Delineation
- Reservoir Catchment Mapping and
- Environmental Impact Assessment
- Transport Network Mapping
- Utility and Service Sector Mapping etc.



Architecture & Structure

Survey & Data Collection

Geo-technical

Sub-Soil Exploration

Quality Control

Geo-informatics

Remote Sensing