



SECON

(CMMI Level 3, ISO 9001: 2008, NABL Accredited)

GIS Driven Multidiscipline Engineering Consultancy

IRRIGATION, FLOOD CONTROL, WATER RESOURCES MANAGEMENT AND REJUVENATION

SECON is the only company in India that provides a **Total Solution** from a single window, right from *Feasibility Studies, Related data capture, Investigations, Planning, Design, Construction Supervision*, all provided in-house. No part of the job is normally Sub-contracted.

SECON is a financially sound, stable, zero debt and positive net worth firm, with substantial reserves in terms of company owned offices, Databank, long serving personnel, hardware, software, equipment's etc.

SECON have extensively carried out various infrastructure projects all around the country and the list of projects may be viewed on our website www.secon.in



Services Offered : Irrigation Planning and Design

- Integrated Water Resources Management Studies
- Flood Control and Management, Participatory Watershed Management
- Sustainable Groundwater Management
- River Rejuvenation, Tank Rejuvenation
- Rejuvenation of Traditional Irrigation and Water Conservation Systems
- Capacity Building, GIS based Asset Management
- GIS based Planning and Decision Support Systems
- Data Acquisition using modern Aerial LiDAR, Satellite, UAV, DGPS
- Project Management and Construction Supervision, Maintenance, O&M

Dam Rehabilitation and Improvement Project (DRIP), in initiative of Government of India : Presently engaged for following assignment of Govt. of Gujarat.

1) Consultancy Services for Inspection of upstream side of masonry/concrete structure in Submerge condition by R.O.V. and other allied services for **Ukai dam for Renovation/ Modernization/ Upgradation**

2) Consultancy Services for Detailed Engineering Services, Preparation of Estimates and Bid Documents, etc for Renovation / Modernisation / Upgradation of **Ukai Dam** (Tapi District, Gujarat)

3) **-- do -- Kadana Dam (Mahisagar District)**

4) **-- do -- Panam Dam (Mahisagar District).**





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FLOOD RISK MANAGEMENT AND MORPHODYNAMICS

- Flood estimation and risk assessment for the design of infrastructure projects, new housing or industrial development (from individual sites to regional level)
- Feasibility studies, Conceptual Master Plan and Detailed Project Report for flood reduction measures
- Land drainage works
- Flood control and management of river, sea, reservoir, and ground water flooding
- Decision support system and real time flood forecasting system for rural and urban flooding
- Flood zone mapping for insurance, smart city and regional planning studies
- Hydrologic and Hydraulic modelling studies
- Design and operation of hydraulic structures
- Morphodynamic studies for mitigating floods, restoration of rivers, lakes and coasts
- Dam break analysis, Post flood study analyses, Adaptive river delta planning

IRRIGATION AND WATER RESOURCES MANAGEMENT

- Compendium Planning for Irrigation Command Area
- Water Availability Studies, Capacity assessment
- Integrated River Basin Planning
- Feasibility Reports and Detailed Project Reports
- Design of Hydraulic Structures
- Extension, Renovation and Modernization.
- Cyclone protection works
- Water Management and On Farm Development works
- Restoration and Rejuvenation of Tanks
- River Rejuvenation
- Rejuvenation of Traditional Irrigation and Water Conservation Systems
- Participatory Watershed Management
- Sustainable Groundwater Management
- Leak detection and Turnkey solution

SURVEY AND INVESTIGATION

- Topographic and Hydrographic Survey
- LiDAR, HRSI or UAV derived DEM, catchment delineation, channel network
- Reservoir Capacity Survey
- Bathymetric Surveys
- Submergence and Land Acquisition Survey
- Rehabilitation and Re-Settlement Survey
- Socio Economic Survey
- Geotechnical Investigation
- Construction Material Survey and Soil Survey
- GIS based Asset Management Systems
- GIS based Decision Support Systems

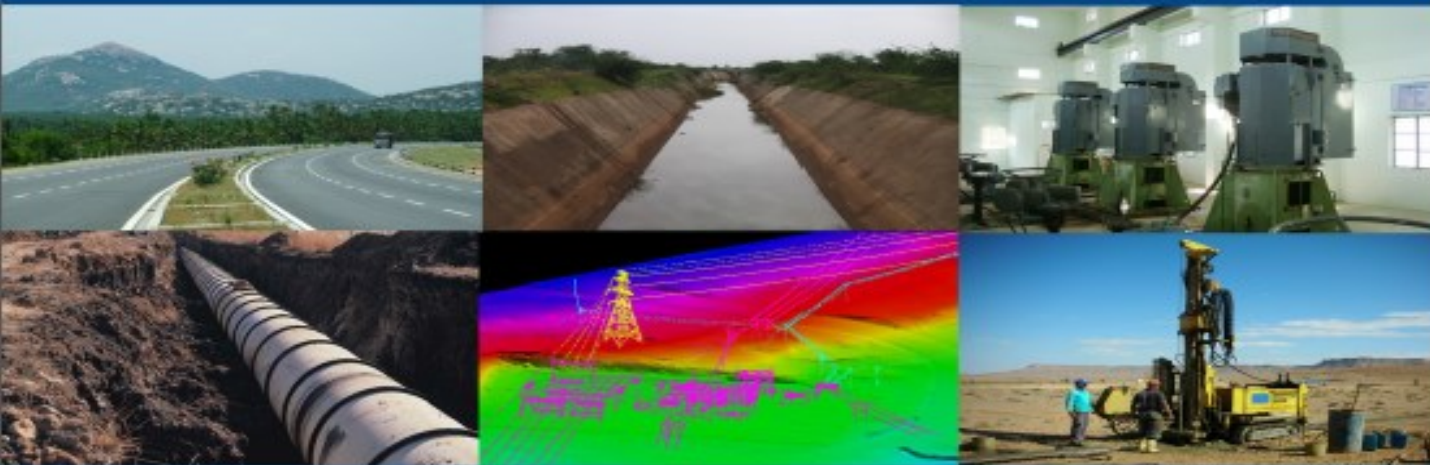
CONSTRUCTION PHASE SERVICES

- Project Management and Construction Supervision
- Third Party Construction Supervision
- Review of Design, Drawings, Estimates & Reports
- Establishing Base Lab and Mobile Labs
- Quality Assurance Plan
- Measurements and Certifications of Contractors Men and Machineries
- Draft Tender Documents & Tender Evaluation.
- Development of Web based Project Progress Monitoring System



SECON PRIVATE LIMITED

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SECON SERVICE OFFERINGS

Design Consultancy and Engineering Services

- Cross Country Pipeline Transportation, City Gas Network
- Right of Way Acquisition & Permitting and Clearance
- GIS driven Software for Asset and Land Information
- Town Planning, Electrical, Telecom & Utilities
- Environment Impact & Management Plan
- Highway Engineering & Construction Supervision
- Public Health Engineering
- Irrigation, Flood Control & Water Management

Investigation and Services

- Photogrammetry, LiDAR & Remote Sensing
- Airborne and Ground Geophysical Surveys
- Route Planning & 3D Corridor Mapping
- Geotech Engineering and Geophysical Surveys
- Underground Utility Detection (GPR)
- Underwater Leak Detection and Turnkey Solution
- GIS/CADD Data Processing
- Geodetic, Topographic, Cadastral, Hydrological Survey