



C O M P A N Y P R O F I L E

SOHAM FERRO MANGANESE PVT. LTD

| SOHAM CAD TECHNOLOGY

| SOHAM ASSOCIATES

Relation beyond business

SOHAM



expertise



introduction



Soham Cad Technology (Soham) is located in Central India, Nagpur. Soham Group of Companies is GIS solution provider (an endeavor of a group of cad-technical professionals), having Main office at Nagpur, Maharashtra (an equipped office setup with manpower strength exceeding 100). SOHAM brings horizontal and vertical integration of Satellite/Aerial Remote Sensing, Photogrammetry, Topographical Survey, Positioning Application, GIS Databases and Application, GIS Web-Services and Networking of Databases.

SOHAM is aiming at serving the needs of the National and Global Markets through focused, innovation, efficient and quality products and services in all areas of Spatial Technology and Applications.

SOHAM is equipped with a team of cad technology experts who have professional experience of over 5 years in the domain; SOHAM has a team chosen through professionals in all the major domains of Cad Technology and Application drawn from some of the premiere Institutions and private sector of India. The expert team at SOHAM includes professionals in Photogrammetry, GIS Mapping, GPS/DGPS and Ground Survey, Urban Planners, Civil Engineers and other resource background persons. SOHAM has Experts/Consultants that bring knowledge across verticals and provide the best technology solution for applications.

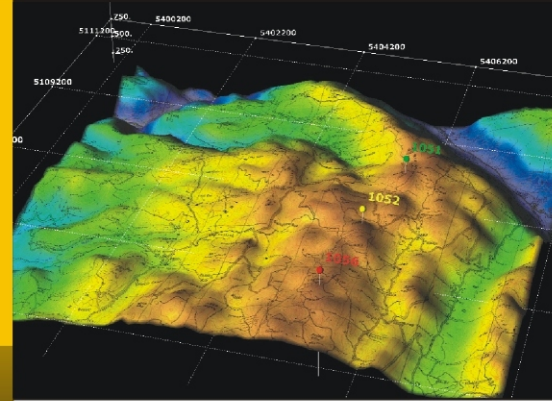
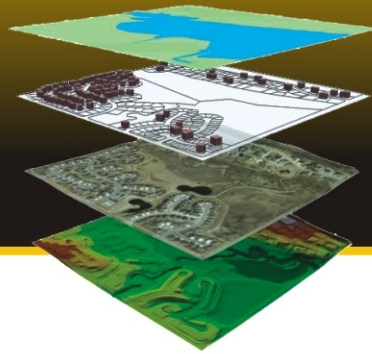
We at SOHAM, have considerable expertise in large-scale Base and City Streets Mapping-using aerial, satellite image and ground-based surveys. Our expertise in Digital City Mapping, Route Survey and Road Information System, Utility Assets GIS is quite strong and we have experienced people in this domain. The MD of SOHAM has involved in India's 1st project on "Digital city Mapping and Country Wide Telecom Business Database Creation" of Natural Resources Mapping, Watershed Management, Land Records, Utility Mapping Projects etc.

SOHAM core expertise lies in the following industry verticals:

- GIS Data Creation and Analysis: ESRI suite of Software's, Autodesk.
- Remote Sensing Applications: software's platforms ERDAS Imagine ENVI and Visual interpretation tools and technologies.
- Ground Surveys: GPS, DGPS, Total Station and other Survey tools and technologies.
- Photogrammetric Solution: LPS, PHOTOMOD and other.
- GIS Software Development: Visual Basic, Oracle, SQL, MS Access.

SOHAM offers a wide range of services

- Geographical Information System
- Data creation to/from GIS compatible formats
- Satellite Remote Sensing (Image Processing & Mapping)
- Data Processing
- Cartography and production
- Field Surveys/Control
- Photogrammetric
- LIDAR Data Processing
- GPS/DGPS and Total Station Surveys
- Agriculture Solution-Are Mapping
- Environment-Urban Tree Census and Environmental Clearance for Mining etc.
- Police GIS-A real time Surveillance System
- POI (Point of Interest)and Route Mapping(for Tracking and Navigation Applications)



SERVICES FOR GIS FIELD

- Cadastral Mapping
- Digital Mapping (Satellite imagery)
- Engineering Drawing
- Soil and Slope Mapping (Toposheets/ Satellite Images)
- Pipe line Drawing
- Digitization of maps



SERVICES FOR SURVEY FIELD

- Topographic survey
- Cadastral survey
- Road survey
- Mine survey
- Railway land survey
- Forest survey
- Pipe Line survey
- Tower Line survey (Power Grid),
- Layout survey
- Irrigation survey (Command survey)
- Geo-physical survey
- Remote Sensing survey, (Satellite image)

■ Urban Development Planning



SOHAM has an equipped office infrastructure at Nagpur. SOHAM has more than 28 technical resources in GIS, Remote Sensing and Digital Photogrammetry, GIS Application Development and also a good Consultants panel to cater to the needs of any Cad-Technical Application. Apart from this, a re-scalable resource model wherein the capacity can be doubled as per the project needs

E X P E R I E N C E



Hardware

- PCs (typical configuration) –Pentium IV with 400 Sata Hardisk drives, 17” & 19” TFT Monitors
- Total Stations
- DGPS
- GPS-Trimble Juno ST
- Plotters- HP Design jet 500 (High Speed)
- Softcopy Photogrammetric Systems
- Leveling Instrument, Theodolite, PT and Field Equipment
- Light/ Tracing tables
- Cartography set-up
- Digital Cameras



CONTEX A0 SIZE SCANNER



HP DESKJET 42” PLOTTER

1. **Digital Mapping** Jurisdiction police commissioner ate Nagpur
2. **Central-Railway** Land plan and land demarcation from Km. 879.90 to 890.00 in Chanda (Fort)- Balharshah section, from Km. 861.90 to 876.01 in Tadali –Ghugus section, km. 842.57 to 863.15 in Majri, Rajur section from 857.79 to 922.01 in Wani-Pimpalkhuti section and from km. 728.49 to 763 in Pulgaon –Arvi section Total survey 144 km.
3. **Forest working plan Madhya Pradesh** council of Forest department (Jabalpur) division, working plan will be, Balaghat, Satna, and Mandla, Shadol, Anapur division.
4. **Central Mine Planning & Designe Institute Ltd (CMPDI) Ranchi,** Jharkhand Digital Mapping of Geological Plans, Topographical Plans & Mine Plans etc, IB Block, North East Block, Rajmahal Block, Talcher Block, Wardha Block, Sohagpur Block, Satpura Block,
5. **Bhatia International Ltd.** Digital Mapping of Coal washer Chandrapur Area
6. **Naresh Kumar and Co.pvt.Ltd** Digital Mapping Mining plan and forest planning, Mandakini Coal block 6.5/-sq km. Talcher Coal field Orissa.
7. **Madhya Pradesh State Mining Corporation Ltd.** Forest Diversion Proposal for Semaria / piparia Coal Block and approval of Stage 1& Stage2 From MOEF. Area 225. hect
8. **Karnataka Emta Coal Mines Ltd.** Digital Mapping Mining plan Railway line, Boundary survey 14.20/- sq.km. open cast mines, Bhadravati Chandrapur Area
9. **Adani Enterprise Limited** Gurgaon Digital Mapping Mining plan forest planning Boundary survey total area 17 km, Fixation of Base line and Bench mark an accuracy 1:1,00,000 with Total station.
10. **Associated Stone Industries (Kotha) Ltd.** Topographical survey of around 9.16 square kilometer in our working mines located in Ramganjmandi, Dist: Kota.
11. **Associated stone industries Cement Limited.** Demarcating the PL area allotted and Topographical survey of around 9.27 Sq. km. area in Satna District, Madhya Pradesh.
12. **BLA Cement Private Limited.** Demarcating Topographical survey and mapping of our PL areas admeasuring 260.702 Ha and 349.154 Ha(Totalling 609.856Ha or 6.10 sq.km) at village Ajwain, District: Satna, Madhya Pradesh
13. **Pushpa Steel & Mining (P) Ltd.** Topographical survey for Brahmपुरi coal block Chhindwara, District (M.P) PL area allotted 3.6 square kilometer
14. **Municipal Corporation** Surveying and mapping for complete municipal infrastructure and Utilities in areas in India.
15. **Land Information System** and Digital database Creation for City and villages Cadastral/Revenue Maps for 5 Major States of India.
16. Pervious and impervious classification/ mapping using **high resolution satellite data.**
17. **Public Health Engineering Dept.(C.G.)** Creation of Natural Resource database while carrying out Hydro geological, Geo-physical and Engineering Surveys for Artificial Recharge to Ground Water on Watershed basis.
18. Creation of Natural Resources Database for **the districts of Maharashtra.**
19. **Paramarsh Technology & Projects** Topographical survey of around 9.20 square kilometer at Bhaskarpara, P.O. Badsara, Tahsil Bhayathan, District Surgujam Chattisgarh
20. **Western Coalfield's Limited** (A Govt. of India Undertaking) Digital Mapping of Geological Plans, Topographical Plans & Mine Plans etc,
21. **Naresh Kumar and Co.pvt.Ltd** Preparation of forest Diversion proposal for Semaria / Piparia Coal Block and approval of Stage1&Stage2 from MoEF.
22. **Rashmi Metaliks & Rashmi Cement Limited** Preparation & formation of draft forest de-reservation proposal as per prescribed format, Submission of the draft proposal to the Nodal Officer of PCCF.
23. **Khappa Coal Company Private Limited** Topographical survey of around 5.69 square kilometer at Tah, dist. Nagpur
24. **Sunflag Iron & Steel Co.Ltd.** Survey work for demarcation of Block Boundary, Pillar posting and Approval of Map by Forest Surveyors for Warpani Manganese Ore Block around 14.20 square kilometer for Prospecting License by
25. **Anacon laboratories Pvt.Ltd.** Geo Referenced Cadastral Map & DGPS Survey of around 4.17 square kilometer **Calcom cement Umrangshu N.C.hills Assam.**
26. **Anacon laboratories Pvt.Ltd.** Geo Referenced Cadastral Map & DGPS Survey of around 5,100 square kilometer **Lafarge Cement**

Infrastructure



Forest Land Diversion, R&R Activities, Tribal Development activities, Corporate Social Responsibility, Land acquisition etc.

- ▶ Development of Action Plans for Resettlement and Rehabilitation, and its implementation
- ▶ Preparation and processing Forest Diversion Proposal for various Site Specific and non site specific Industries u/s 2 of FC Act 1980
- ▶ Preparation and Implementation of Corporate Social Responsibilities (CSR) plans
- ▶ Delineation and implementation of Tribal Development Plan (TDP)
- ▶ Land Acquisition

Detail of experience and work profile is given below

- ▶ Preparation and processing of Forest Land Diversion Application u/s 2 of Forest Conservation Act 1980 and Rules 2003 at various levels from DFO to Secretary Ministry of Forest, State Govt.
- ▶ Field Survey and collection of primary and secondary data related to socio-economic environment of the Study Area
- ▶ Preparation of plans for resettlement and rehabilitation, human health systems management, and socio-economic development of project affected population of the proposed development activity in the study area. The studies also dealt with detailing R & R strategy, health strategy, institutional mechanisms, staffing pattern, work and activity scheduling for plan implementation, delineation of success criteria, infrastructure requirements, and economic and financial analysis.
- ▶ Preparation of plans for Corporate Social Responsibility (CSR) and Implementation
- ▶ Preparation and implementation of Tribal development Plans (TDP)
- ▶ Facilitation in Land Acquisition under LAA-1894, CBA (A&D) Act- 1957 etc.

Provided consultancy services to various Promoters/ Project proponents on

- ▶ Socio-economic environment monitoring & impact assessment for various industrial/ developmental projects (Govt. & Non. Govt.)
- ▶ Development of Action Plans for Resettlement and Rehabilitation.



National Environmental Engineering Research Institute (NEERI), Nagpur

- ▶ Environmental Impact Assessment Studies with reference to Socio-economic environment monitoring & impact assessment for various industrial/ developmental projects (Govt. & Non. Govt.)
- ▶ Development of Action Plans for Resettlement and Rehabilitation, Human Health Systems Management for Socio-economic development of Project Affected Population due to Proposed Development Activities



SOHAM



Specific Experience

We have dealt with ML & PL Applications for various Minerals in the states of MAHARASHTRA, MADHYA PRADESH, CHATTISGARH & JHARKHAND. in the following manner

1. In Maharashtra: Coal 1 application.
2. In Maharashtra: Non Coal 15 application (5 ML and 10 PL)
3. In MP: Coal 1 application.
4. In MP: Non Coal 25 application (12 ML and 13 PL).
5. In Chhattisgarh: Coal 1 application .
6. In Jharkhand: Coal 1 application



A C H I E V E M E N T

GOVERNMENT OF ASSAM
DIRECTORATE OF GEOLOGY AND MINING
KAHILIPARA, GUWAHATI-19

NO. GM/MM/16-D/Pt./ 1556 / dated Guwahati, the 17th August, 2010

TO WHOMSOEVER IT MAY CONCERN

(Certificate of Approval for Geo-reference/DGPS Survey)

This is to certify that M/s SOHAM FERRO MANGANESE PVT. LTD. NAGPUR, have successfully carried out and completed Geo-reference/DGPS survey in line with the recent Circular no.2/2010 dated 06/04/2010 issued by the Chief Controller of Mines in- charge, Indian Bureau of Mines, Nagpur, in respect of the ML area of M/s Calcom Cement India Ltd. at village Umrangso, Dist Dima Hasao (N. C. Hills), Assam

The technical team from the Directorate of Geology and Mining, Assam was associated with the survey work and the same was carried out using DGPS equipments. The agency is fully equipped with experienced manpower and equipment for undertaking, carrying out and successfully completing this type of work and has been approved by this Directorate for the same.

A handwritten signature in blue ink, dated 17-8-10, positioned above the official title of the Director.

Director
Directorate of Geology & Mining,
Government of Assam

Director of Geology & Mining
Govt of Assam
Kahilipara, Guwahati-19

Relation beyond business



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