

## ENVIRONMENTAL SERVICES

- CFE / CFO Clearances from State Pollution Control Board.
- Environmental Monitoring of Ambient Air, Water, Noise, Soil and Industrial Effluents as per Ministry of Environment Forest / SPCB guidelines.
- Stack Emission Measurements.
- Collection of Micro meteorology Data.
- Analysis of Ambient Air, Water, Soil, Industrial Effluents & Biological Components.
- Personal Dust Sampling of Airborne Respirable dust levels.
- Socio Economic Studies & Identification & Quantification of Significant Aspects & Impacts.
- Preparation of Pre-Feasibility Report.
- Preparation of EIA / EMP.
- Environment Protection & Mineral Conservation Measures.
- Project Evaluation for Environment Clearance from MoEF / KSPCB/SEIAA.
- Environment Impact Assessment & Environment Management Plan (EIA/EMP) for MoEF / SPCB clearance.



## OUR EQUIPMENTS



**Laboratory**



**Air Monitoring Instruments**



**Core Drilling Machine**



**DGPS**



**Total Station**



**GPS**



**Personal Dust Sampler**



**Sound Level Meter**



**Micro Balance**



**Emission Testing**



**UV Vis Spectroscopy**



**Atomic Absorption Spectroscopy**



**Gas Chromatography**

## COMPANY PROFILE



### SAI UNIVERSAL MINING SERVICES

[Mining, Survey, Geology, Analytical & Environment]

**NABL ACCREDITED LABORATORY CERT. NO. T-2736**

### K. PRABHAKARA REDDY

BE (Mining), Surveyor, FCC (UR), MBA, RQP, MSC.

*Recognised DGPS Survey Agency By State Government*



ISO 9001:2008  
ISO 14001:2004  
OHSAS 18001:2007

**NABL  
T-2736**

#### Address :

Plot No. 15-DP2, KIADB, Sankalapura Industrial Area,  
Near Water Tank, Ballari Main Road, Hosapete - 583 201.  
Ballari Dist., Karnataka, Cell: +91 94498 15560,  
+91 88844 94243, e-mail: [sums.hpt@gmail.com](mailto:sums.hpt@gmail.com),  
[sumslaboratory@gmail.com](mailto:sumslaboratory@gmail.com), [kpr@sums.org.in](mailto:kpr@sums.org.in)  
website: [www.sums.org.in](http://www.sums.org.in)

## ANALYTICAL SERVICES

- SUMS are having a well established laboratory at Hosapete to analyse all the major & minor minerals and most of the trace elements.
- Mineral analysis
  - \* Iron Ores
  - \* Manganese
  - \* Bauxite
  - \* Limestone
  - \* Dolomite
  - \* Quartz
  - \* Free Silica and others etc.,
- Environmental Analysis
  - \* Air pollutants parameter
  - \* Noise level Measurements
  - \* Ground & Surface Water Sampling and Analysis
  - \* Waste water Sampling and Analysis
  - \* Soil Sampling & Analysis
  - \* Industrial Effluents
  - \* Personal Dust Sampling & Analysis
- Biological Testing
  - \* Total Plate Count
  - \* E. Coli
  - \* Total Coliforms
  - \* Faecal Coliforms







## K. PRABHAKARA REDDY - CEO

Sai Universal Mining Services (SUMS), Hosapete, offers consultancy and Services in Mining Engineering, Survey, Geology, Mine Planning, Mine Designing, Analytical and Environment. These services enhance environment friendly optimum utilization of resources, profitability, sustainable development, social awareness and competitive position of developing projects.

SUMS offer technical expertise with highly qualified and experienced Mining Engineers, Geologist, Surveyors, Analysts, Environment Engineers & Software Experts.

The Geological services includes survey, preparation of topographical and geological plan, preliminary quick appraisal of working / non working mineral deposits, formulation of scheme of detailed exploration with cost estimation, preliminary reconnaissance and survey to determine potential areas out of large properties etc.

SUMS environmental services include continuous environment monitoring, preparation of Environmental Impact Assessment & Environmental Management Plan to the State Pollution Control Boards and Ministry of Environment & Forest, Government of India.

SUMS undertake the surveys through latest instruments like "Total station" "DGPS" "Hand GPS" and implement with latest software like Datamine, Surfer and AutoCAD to get more accuracy.

"Professional Mining Consultants with the resources and Experience to provide Expert Mining, Survey, Geology, Analytical & Environment.

## MINING SERVICES



- ➔ Identification of mineral prospects/deposits by Conventional & Technical methods.
- ➔ Mine Planning & Designing.
- ➔ Mine Evaluation.
- ➔ Techno Economic Feasibility Studies.
- ➔ Evaluation of Feasibility Reports.
- ➔ Production Planning & Quality Control System Development.
- ➔ Slope Stability Studies.
- ➔ Statuary documents for Mining Activities.
- ➔ Preparation of Mining Plan/Mining Scheme & Progressive Mine closure plan for IBM Approval.
- ➔ Forest Proposals for Forest Clearance.
- ➔ Statuary Plans, Sections and returns to DDMS, IBM, Dept of Mines & Geology.
- ➔ Consent application for Crushing & Screening Plant, Washing Plant, Beneficiation Plant, Stack Yard etc., as per SPCB / MoEF Guidelines.
- ➔ Applications for Prospecting License (PL) & Mining Lease (ML).
- ➔ Application for Explosive Magazine.
- ➔ Undertaking of shaft sinking, tunneling & open cast working.

## SURVEY SERVICES



- ➔ Survey with the latest Instrument 'Total Station' 'DGPS', 'Hand GPS' and preparation of the Plans & Quantity calculation with AutoCAD, ARC GIS, ERDAS & Datamine Software.
- ➔ Topographic & Quantity Survey.
- ➔ DGPS Survey.
- ➔ GPS Survey.
- ➔ Geological Survey.
- ➔ Hydrographic Surveys.
- ➔ Engineering Surveys.
- ➔ Transmission line Surveys.
- ➔ Reconnaissance Survey.
- ➔ Contour Survey.
- ➔ Tunnel Survey.

## GEOLOGY SERVICES

- ➔ Geological Mapping.
- ➔ Formulation of Scheme of Exploration.
- ➔ Exploration (Underground/Open cast) :
- ➔ Exploratory Drilling by RC Drill / DTH Drill / Core Drill.
- ➔ Planning Drill Programs.
- ➔ Geological Logging/Core Logging.
- ➔ Geochemical Sampling & Analysis.
- ➔ Ore Body Modeling.
- ➔ Reserve Estimation.
- ➔ Evaluation of Working & Non working Mineral Deposits.





## ENVIRONMENTAL SERVICES

- CFE / CFO Clearances from State Pollution Control Board.
- Environmental Monitoring of Ambient Air, Water, Noise, Soil and Industrial Effluents as per Ministry of Environment Forest / SPCB guidelines.
- Personal Dust Sampling of Airborne Respirable dust levels.
- Stack Emission Measurements.
- Analysis of Ambient Air, Water, Soil, Industrial Effluents & Biological Components.
- Collection of Micro meteorology Data.
- Socio Economic Studies & Identification & Quantification of Significant Aspects & Impacts.
- Preparation of Pre-Feasibility Report.
- Preparation of EIA / EMP.
- Environment Protection & Mineral Conservation Measures.
- Project Evaluation for Environment Clearance from MoEF / KSPCB/SEIAA.
- Environment Impact Assessment & Environment Management Plan (EIA/EMP) for MoEF / SPCB clearance.



## OUR EQUIPMENTS



Laboratory



Air Monitoring Instruments



Core Drilling Machine



DGPS



Total Station



GPS



Personal Dust Sampler



Sound Level Meter



Micro Balance



Emission Testing



UV Vis Spectroscopy



Atomic Absorption Spectroscopy



Gas Chromatography

## COMPANY PROFILE



### SAI UNIVERSAL MINING SERVICES

[Mining, Survey, Geology, Analytical & Environment]

NABL ACCREDITED LABORATORY CERT. NO. T-2736

### K. PRABHAKARA REDDY

BE (Mining), Surveyor, FCC (UR), MBA, RQP, MSc.

Recognised DGPS Survey Agency By State Government



ISO 9001:2008  
ISO 14001:2004  
OHSAS 18001:2007

NABL  
T-2736

#### Address :

Plot No. 15-DP2, KIADB, Sankalapura Industrial Area,  
Near Water Tank, Ballari Main Road, Hosapete - 583 201.  
Ballari Dist., Karnataka, Cell: +91 94498 15560,  
+91 88844 94243, e-mail: [sums.hpt@gmail.com](mailto:sums.hpt@gmail.com),  
[sumslaboratory@gmail.com](mailto:sumslaboratory@gmail.com), [kpr@sums.org.in](mailto:kpr@sums.org.in)  
website: [www.sums.org.in](http://www.sums.org.in)

## ANALYTICAL SERVICES

- SUMS are having a well established laboratory at Hosapete to analyse all the major & minor minerals and most of the trace elements.
- Mineral analysis
  - \* Iron Ores
  - \* Manganese
  - \* Bauxite
  - \* Limestone
  - \* Dolomite
  - \* Quartz
  - \* Free Silica and others etc.,
- Environmental Analysis
  - \* Air pollutants parameter
  - \* Noise level Measurements
  - \* Ground & Surface Water Sampling and Analysis
  - \* Waste water Sampling and Analysis
  - \* Soil Sampling & Analysis
  - \* Industrial Effluents
  - \* Personal Dust Sampling & Analysis
- Biological Testing
  - \* Total Plate Count
  - \* E. Coli
  - \* Total Coliforms
  - \* Faecal Coliforms







## K. PRABHAKARA REDDY - CEO

Sai Universal Mining Services (SUMS), Hosapete, offers consultancy and Services in Mining Engineering, Survey, Geology, Mine Planning, Mine Designing, Analytical and Environment. These services enhance environment friendly optimum utilization of resources, profitability, sustainable development, social awareness and competitive position of developing projects.

SUMS offer technical expertise with highly qualified and experienced Mining Engineers, Geologist, Surveyors, Analysts, Environment Engineers & Software Experts.

The Geological services includes survey, preparation of topographical and geological plan, preliminary quick appraisal of working / non working mineral deposits, formulation of scheme of detailed exploration with cost estimation, preliminary reconnaissance and survey to determine potential areas out of large properties etc.

SUMS environmental services include continuous environment monitoring, preparation of Environmental Impact Assessment & Environmental Management Plan to the State Pollution Control Boards and Ministry of Environment & Forest, Government of India.

SUMS undertake the surveys through latest instruments like "Total station" "DGPS" "Hand GPS" and implement with latest software like Datamine, Surfer and AutoCAD to get more accuracy.

"Professional Mining Consultants with the resources and Experience to provide Expert Mining, Survey, Geology, Analytical & Environment.

## MINING SERVICES



- ➔ Identification of mineral prospects/deposits by Conventional & Technical methods.
- ➔ Mine Planning & Designing.
- ➔ Mine Evaluation.
- ➔ Techno Economic Feasibility Studies.
- ➔ Evaluation of Feasibility Reports.
- ➔ Production Planning & Quality Control System Development.
- ➔ Slope Stability Studies.
- ➔ Statuary documents for Mining Activities.
- ➔ Preparation of Mining Plan/Mining Scheme & Progressive Mine closure plan for IBM Approval.
- ➔ Forest Proposals for Forest Clearance.
- ➔ Statuary Plans, Sections and returns to DDMS, IBM, Dept of Mines & Geology.
- ➔ Consent application for Crushing & Screening Plant, Washing Plant, Beneficiation Plant, Stack Yard etc., as per SPCB / MoEF Guidelines.
- ➔ Applications for Prospecting License (PL) & Mining Lease (ML).
- ➔ Application for Explosive Magazine.
- ➔ Undertaking of shaft sinking, tunneling & open cast working.

## SURVEY SERVICES



- ➔ Survey with the latest Instrument 'Total Station' 'DGPS', 'Hand GPS' and preparation of the Plans & Quantity calculation with AutoCAD, ARC GIS, ERDAS & Datamine Software.
- ➔ Topographic & Quantity Survey.
- ➔ DGPS Survey.
- ➔ GPS Survey.
- ➔ Geological Survey.
- ➔ Hydrographic Surveys.
- ➔ Engineering Surveys.
- ➔ Transmission line Surveys.
- ➔ Reconnaissance Survey.
- ➔ Contour Survey.
- ➔ Tunnel Survey.

## GEOLOGY SERVICES

- ➔ Geological Mapping.
- ➔ Formulation of Scheme of Exploration.
- ➔ Exploration (Underground/Open cast) :
- ➔ Exploratory Drilling by RC Drill / DTH Drill / Core Drill.
- ➔ Planning Drill Programs.
- ➔ Geological Logging/Core Logging.
- ➔ Geochemical Sampling & Analysis.
- ➔ Ore Body Modeling.
- ➔ Reserve Estimation.
- ➔ Evaluation of Working & Non working Mineral Deposits.

