



# KLS VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL

(Accredited by NAAC with 'A' Grade)

(Recognized Under Section 2(f) of UGC Act, 1956)

Approved by A.I.C.T.E., New Delhi, Affiliated to V.T.U., Belagavi  
Udyog Vidyanagar, Dandeli Road, Haliyal - 581 329. Dist. Uttara Kannada, Karnataka  
08284-220861 / 9449454542 | www.klsvdit.edu.in | principal@klsvdit.edu.in



KLSVDIT/ 454/2025-26

Date : 17/10/2025

## Memorandum of Understanding (MoU)

Between KLSVDIT Haliyal and M/s. BKG Mining Private Limited, Sandur.

### Preamble:

In light of environmental concerns, mining costs, future demand, and technological advancements, the Government of India is emphasizing resource recovery and the exploration of rare earth metals, rare metals, and strategic minerals. Mining industries and research institutions are encouraged to focus on this aspect.

M/s. BKG Mining Private Limited, Sandur is a premier mining industry engaged in iron ore extraction in Sandur. It operates several educational institutions in the region and has an MoU with the Department of Mineral Processing, PG Centre Nandihalli, Sandur. It is also a member of the Board of Studies (BOS) of PG Centre Nandihalli and actively promotes quality education and research across various institutions in the state.

Due to mining costs, government policies, and environmental concerns, M/s. BKG plans to expand its mining activities beyond iron ore. It aims to recover valuable metals and resources from mine dumps and waste, upgrade low-grade ores, and explore new or hidden ore deposits.

KLS VEDIT Haliyal, a leading institution in Uttara Kannada, is located in Haliyal and spread across approximately 30 acres of scenic land. It provides quality education, consultancy services, and research and is accredited with an "A" grade by UGC NAAC. The institution is committed to research, technology development, extension services, and teaching.

Globally, 95% of banded iron formations hosting iron ores result from hydrothermal activity, making them rich in elements like scandium (Sc), yttrium (Y), lanthanum (La), gold (Au), and copper (Cu). Mine dumps potentially contain these valuable metals, necessitating the development of cost-effective and eco-friendly recovery technologies. Recognizing this need, M/s. BKG seeks to collaborate with KLSVDIT Haliyal.

In a recent meeting held Ministry also stressed on rare metal and rare earth mineral explorations. Keeping this view both the institutions propose to work jointly with the following objectives



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## Objectives:

- Develop cost-effective, eco-friendly technology using biogeochemical processes for resource recovery, with a special focus on mine waste.
- Upgrade low-grade ores.
- Identify new or hidden mineral deposits.
- Develop innovative, sustainable technologies for resource utilization and waste recycling.

## Vision:

To establish a Centre of Excellence in Earth Resources Engineering and Environmental Management.

## Mission:

- Secure research grants and strengthen research capabilities.
- Conduct training programs, seminars, and workshops.
- Publish in reputed national and international journals.
- Develop cost-effective, industry-relevant technologies for sustainable development.
- Collaborate with leading national and international research labs and academic institutions to enhance academic standards.
- Engage industry experts in academic activities such as joint seminars, workshops, and projects.
- Involve industry professionals in the academic board and encourage students to participate in industry-relevant projects.
- Expand collaboration with AI, ML, Electronics & Communication (E&C), Computer Science (CSC), Mechanical Engineering, and other scientific disciplines.



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## Terms of Reference:

- KLSVDIT Haliyal will serve as the nodal centre, providing infrastructure and administrative support.
- M/s. BKG will contribute 33% of the required resources over three years in phases, including an initial ₹10,00,000 in two instalments spread over the year as seed funding.
- KLSVDIT Haliyal and M/s. BKG will jointly generate the remaining 66.6% through sponsorships from government agencies such as the Ministry of Mines, Ministry of Earth Sciences, SERB, CSIR, and KSCST.
- Both parties will collaborate in developing suitable technologies for the outlined objectives and implementing the mission.
- The Principal of KLSVDIT Haliyal will serve as the Chairperson of the Centre of Excellence, with the Head of the Civil Engineering Department as Member Secretary. An expert from KLS VDIT Haliyal and Sri, P. Sreenivasa Rao – General Manager (Mines) at M/s. BKG will act as Authorized Representative and Sri, Pramod Ritti, General Manager (Geology) at M/s. BKG, will act as coordinators on behalf of M/s. BKG. By default, all faculty members from the Civil Engineering and Chemistry Departments of KLSVDIT Haliyal will be members of the Centre.
- Financial records related to the Centre and its activities will be accessible to M/s. BKG as needed.
- Any technological developments or patents will be shared among the participating faculty, KLSVDIT management, M/s. BKG, and relevant government agencies.
- M/s. BKG financial contribution will be exclusively used for project-related expenses such as equipment, analysis, and sampling.
- This MoU is confined to mutually agreed projects only and amount contributed by the M/s. BKG is to be used exclusively for the purpose of the project (equipment, analysis, sampling or for the purpose specified in the project).
- This MoU can be revoked by giving three months' notice by either party on violation of agreement by either party.
- KLS VDIT, Haliyal will provide all logistic facilities, including space and laboratory access, except financial commitment.

Both parties agree to the terms outlined and sign this Memorandum of Understanding.



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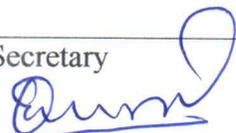
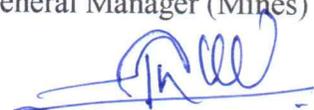
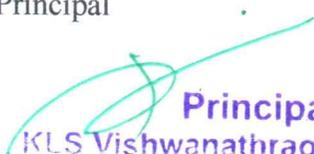
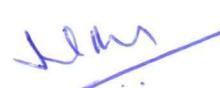
KLSVDIT/454/2025-26

Date : 17/10/2025

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Place:

Signatures:

On behalf of KLSVDIT Haliyal	On behalf of M/s. BKG Mining Private Limited
Member Secretary  Dr. V.S. Hugde	Managing Director 
Coordinator  HEAD Dept of Civil Engg KLS V.D.I.T, Haliyal	General Manager (Mines) 
Principal  Principal KLS Vishwanathrao Deshpande Institute of Technology, Haliyal	General Manager (Geology) 

## **CONSENT OF INDUSTRY PARTICIPATING IN R AND D COMPONENT**

Subject: Proposal for participating in R and D component of Science and Technology Programme of Ministry of Mines on SATYABHAMA portal.

### **Preamble:**

In light of environmental concerns, mining costs, future demand, and technological advancements, the Government of India is emphasizing resource recovery and the exploration of rare earth metals, rare metals, and strategic minerals. Mining industries and research institutions are encouraged to focus on this aspect.

M/s. BKG Mining Private Limited, Sandur is a premier mining industry engaged in Iron ore extraction in Sandur. Due to changes and new developments and in Mineral sector and in view of new reforms and policies by the Government of India, M/s. BKG plans to expand its mining activities beyond iron ore. It aims to recover valuable metals and resources from mine dumps and waste, upgrade low-grade ores, and explore new or hidden ore deposits in Eastern Dharwar Carton South India with special focus on their Mining area and its adjacent areas in Mining belt of Sandur taluka, Ballari District, Karnataka.

KLS Vdit Haliyal, a leading institution in Uttara Kannada, is located in Haliyal across provides quality education, consultancy services, and research and is accredited with an "A" grade by UGC NAAC. The institution is committed to research, technology development, extension services, and teaching.

Globally, 95% of banded Iron formations hosting iron ores result from hydrothermal activity, making them rich in elements like scandium (Sc), Yttrium (Y), Lanthanum (La), Gold (Au), and Copper (Cu). Mine dumps potentially contain these valuable metals, necessitating the development of cost-effective and eco-friendly recovery technologies. Recognizing this need, M/s. BKG seeks to collaborate with KLSVDIT Haliyal.

In a recent meeting held Ministry also stressed on rare metal and rare earth mineral explorations. Keeping this view both the institutions propose to work jointly with the following objectives

### **Objectives:**

- Develop cost-effective, eco-friendly technology using biogeochemical processes for resource recovery, with a special focus on mine waste.
- Upgrade low-grade ores.
- Identify new or hidden mineral deposits.
- Develop innovative, sustainable technologies for resource utilization and waste recycling.

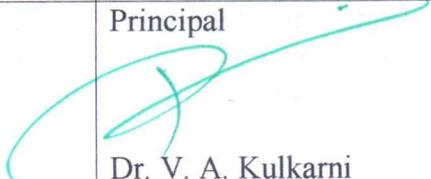
### **Vision:**

**To establish a Centre of Excellence in Earth Resources Engineering and Environmental Management**

- KLS VEDIT Haliyal will serve as the nodal centre, providing infrastructure and administrative support SDM Engineering College will extend Mineralogy Laboratory facility.
- M/s. BKG will contribute 33% of the required resources over three years in phases, including an initial ₹10, 00,000 in two instalments spread over the year as seed funding.
- Funds from Ministry and Industry contribution will be deposited with KLS VEDIT Haliyal.
- KLSVEDIT Haliyal and M/s. BKG will jointly generate the remaining 66.6% through sponsorships from government agencies such as the Ministry of Mines, Ministry of Earth Sciences, SERB, CSIR, and KSCST.
- Dr. V. S. Hegde will be co-ordinating for the project representing the academic Institution.
- Geology and Exploration Team of M/s. BKG. Sri, Pramod Shrinivas Ritti - General Manager and Sri. Keshav Suresh Walvekar Senior Manager will co-ordinate on behalf of M/s. BKG.

Both parties will collaborate in developing suitable technologies.

The proposal is acceptable to M/s. BKG Mining Private Limited subject to approval of project by Ministry of Mines.

<b>M/s. BKG Mining Private Limited</b>	<b>KLSVEDIT Haliyal</b>
Rudragouda	Principal
Managing Director	 Dr. V. A. Kulkarni <b>Principal</b>

**KLS Vishwanathrao Deshpande  
Institute of Technology, Haliyal**