



No. Met4-14/1/2020
Government of India
Ministry of Mines
(Metal IV Section)

New Delhi, dated 22nd June, 2020

To,

1. All Editors of various Scientific Journals
(as per list enclosed)
2. Heads of sponsoring organizations (as per list enclosed)

Subject: Announcement inviting Science & Technology Project Proposals on SATYABHAMA Portal.

Madam / Sir,

The Science & Technology Programme scheme of Ministry of Mines is a continuing scheme initiated in 1978 with a vision to promote research in applied geosciences, mineral exploration, mining and allied areas, mineral processing, optimum utilization and conservation of the mineral resources of the country, for the benefit of the nation and its people. It provides for grant-in-aid to suitable S&T (R&D) projects to various research institutes/ organizations in the country, for research under the thrust area of the scheme.

2. Every year, an announcement is made by Ministry of Mines, Government of India through its S&T Division to invite the project proposals under the S&T Scheme from research and development institutions, laboratories, PSUs and academic institutions for up to 3 years duration in thrust areas having direct bearing on mineral sector, applied and sustainable aspect of mining and industrial applications. The received project proposals have to pass through a 3-tier process which includes (i) scrutiny of project proposals by a Scrutiny Committee, (ii) presentation of project proposals before Project Evaluation and Review Committee (PERC) and (iii) approval by Standing Scientific Advisory Group (SSAG). This year also, this Ministry desires to make the 'Announcement' inviting Science and Technology project proposals, which is enclosed. **The last date of receipt of project proposals in this Ministry is 22nd August, 2020.** Project proposals are required to be submitted online on the SATYABHAMA Portal (research.mines.gov.in) by 22.08.2020. Also, a soft copy of the project proposal generated from the Portal in PDF format needs to be sent to the e-mail: met4-mines@gov.in.

3. It is requested that the enclosed 'Announcement' may be given wide circulation and publicity.

Yours faithfully,

Encl: As above

Dean (Research)

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ANNOUNCEMENT
No. Met4-14/1/2020
Government of India
Ministry of Mines

Invites Science and Technology Project Proposals

Projects are invited from Academic Institutions, Universities, National Institutes and R&D Institution recognized by the Department of Scientific and Industrial Research, Government of India, for up to 3 years duration in the following thrust areas which have direct bearing on mineral sector, applied and sustainable aspect of mining and industrial applications:

2. THRUST AREAS OF RESEARCH IN MINES

The broad thrust areas for supporting Research in Mining are given below:

- i. Prospecting/exploration for strategic rare and rare earth minerals.
- ii. Development of new technology for mineral exploration and mining on land and deep sea to locate and exploit new mineral resources.
- iii. Research in mining methods. This includes rock mechanics, mine designing, mining equipments, energy conservation, environmental protection and mine safety.
- iv. Improve efficiency in process, operations, recovery of by-products and reduction in specification and consumption norms.
- v. Research in metallurgy and mineral beneficiation techniques to utilize lower grade and finer size ores.
- vi. Extraction of value added products from mine waste, plant tailings etc.
- vii. Development of new alloys and metal related products, etc.
- viii. Evolve low capital and energy saving processing systems.
- ix. Production of materials of high purity.
- x. Cooperative research among organizations associated with the mineral sector.

Additional weightage for consideration of support will be given in the following conditions:

- a. Preference for projects submitted by scientific/academic institution with collaboration with the concerned industry.
- b. Encouragement for proposals with higher Technology Readiness Level (TRL), ideally leading to pilot scale plants, for projects on high purity materials, advanced alloy products, waste utilisation, recovery from slags/tailings, recycling, urban mining etc
- c. Encouragement for proposals with pre-developed proof of concept.
- d. Mineral deposit targeting based on the geoscience data made available in public domain by GSI
- e. The research / academic institutes may access and collaborate with government agencies for laboratory support for developing project proposals in coordination
- f. Preference for projects on development of products or on materials, which have possibilities of import substitution

3. Scientific and Technical Merit and relevance to Industry

All organization should follow the instructions given below before submitting the project proposals to the Ministry:-