

F. No. 6(5)/2012-TD
Government of India
Ministry of Steel
Technical Division

Telefax No: 011-23062490

Udyog Bhawan, New Delhi-100107
Dated: 16th November 2016

Subject: Research & Development in Iron & Steel sector.

Dear Sir,

Please refer to the earlier letter dated 5th October 2015, thereby requesting you to evolve and submit R&D proposals to address the problems & issues of the iron & steel sector, for financial assistance from Ministry of Steel (copy enclosed).

As you may be aware that Ministry of Steel is operating R&D scheme wherein, financial assistance is provided for R&D project proposals from the industry & academia, to address the technological issues & challenges of the iron & steel sector. The financial assistance is provided from Plan Fund of Government of India and also the Steel Development Fund.

To seek good R&D proposals, guidelines/ information has been uploaded in Ministry of Steel website www.steel.nic.in. Further, advertisements are also been placed in newspapers and request letters have also been sent to the stakeholders periodically. However, the R&D funds of Ministry of Steel remain unutilised due to lack of good R&D proposals from the stakeholders. The R&D investments of the Indian steel companies also remain low vis-a-vis the global counterparts. Accordingly, the Indian steel companies have been requested by the Government, in every forum, to enhance the R&D investment to 1% of their sales turnovers, to enhance the R&D capabilities of the iron & steel sector as per the required levels to make it a global leader.

In addition to the R&D areas already intimated to you vide the aforesaid earlier letter, the following area are also a matter of concern for the steel sector in the country:

- To produce coking coal from non coking coal
- To lower the Sulfur content of North East Coal to make it suitable for metallurgical purposes.
- To produce very high speed rails
- To improve quality of steel products
- To reduce cost of steel production
- To increase the consumption of steel

It is therefore, once again requested to kindly evolve and submit quality research proposals for consideration of this Ministry at the earliest. The R&D proposals should preferably be joint research collaborative research proposals to address the burning issues of the Indian steel sector, some of which are indicated above.

Yours faithfully,



(S.K.Bhatnagar)

Deputy Industrial Adviser

Enclose: as above

To

1. Director, National Metallurgical Laboratory, Jamshedpur, Jharkhand – 831007
2. Director, Institute of Minerals and Materials Technology, Bhubaneswar - 751013
3. Director (Technical), SAIL, Ispat Bhawan Lodi Road New Delhi – 110003
4. CMD, RINL, Visakhapatnam – 530031
5. CMD, NMDC LTD, Masab Tank, Hyderabad – 500028
6. MD, Tata Steel Ltd, Bistupur, Jamshedpur – 831001.
7. CMD, JSW Steel Ltd, JSW Centre, Bandra Kurla Complex, Mumbai – 400051.
8. Chairman, Jindal Steel & Power Ltd, Jindal Centre, 12, Bhikaji Cama Place, New Delhi – 110066.
9. Group CEO, Essar Steel Ltd., Essar House, 11, Keshavrao Khadye Marg, Mahalaxmi Mumbai – 400034.
10. CMD, Bhushan Power & Steel Ltd., 4th Floor, Tolstoy House, 15-17, Tolstoy Marg, Connaught Place, New Delhi – 110001.
11. VC & MD, Bhushan Steel Ltd., F-Block, 1st Floor, International Trade Tower, Nehru Place, New Delhi – 110019.
12. CMD, MECON Ltd. Vivekananda Path, Doranda, Ranchi – 834002 (Jharkhand)
13. CMD, KIOCL Ltd. Block li, Koramangala, Sarjapura Road, Bangalore – 560034
14. CMD, MOIL Ltd. MOIL Bhawan, IA, Katol Road, Nagpur – 440013.
15. Director, Indian Institute of technology, Kharagpur – 721302, West Bengal.
16. Director, Indian Institute of Engineering Science and Technology (formerly Bengal Engineering and Science University), Shibpur, PO. Botanic Garden, howrah – 711103.
17. Director, National Institute of Technology Surathkal, Srinivasnagar, Mangalore – 575025, Karnataka.

18. Director, National Institute of Technology Durgapur, Mahatma Gandhi Avenue, Durgapur – 713209, West Bengal.
19. Director, Indian Institute of Technology Bombay, Powai Mumbai 400076, Maharashtra.
20. Director, National Institute of Technology, Tiruchirappalli – 620015, Tamilnadu.
21. Director, Malviya National Institute of Technology, JawaharLal Nehru Marg, Jaipur – 302017, Rajasthan.
22. Vice Chancellor, Jadavpur University, Kolkata – 700032.
23. Director, National Institute of Technology, Hazratbal, Srinagar – 190006.
24. Director, Indian Institute of Technology Roorkee, Roorkee – 247667.
25. Director, Indian Institute of Technology Madras, Chennai – 600036.
26. Director, IIT BHU, Banaras Hindu University, Varanasi – 221005, UP.
27. Director, National Institute of Technology, Rourkela – 769008.
28. Director, Indian Institute of Technology Kanpur, Kanpur – 208016.
29. Director, National Institute of Technology, Jamshedpur, NIT Campus, P.O RIT, Jamshedpur – 831014, Jharkhand.
30. Vice Chancellor, M S University, Faculty of Technology & Engineering, Kala Bhawan, Baroda – 390001.
31. Vice Chancellor, Andhra University, College of Engineering, Waltair, Visakhapatnam – 530003.
32. Director, Bihar Institute of Technology, Sindri, Dhanbad – 828123, Jharkhand.
33. Director, Visvesaraiya National Institute of Technology, South Ambazari Road, Nagpur – 440010.
34. Director, National Institute of Technology, Waragal – 506004.
35. Director, Pune Institute of Engineering Technology, Wellsely Road, Shivaji Nagar, Pune – 411005.
36. Director, PSG College of Technology, Coimbatore – 641004.
37. Principal, Govt. College of Engineering Salem, (Affiliated to Anna University of Technology, Coimbatore), Salem – 636011.
38. Principal, Mahatma Gandhi Institute of Technology, (Affiliated to Jawaharlal Nehru Technological University, Hyderabad), Gandipet, Hyderabad – 500075.
39. Principal, Government Engineering College Gandhinagar , (Affiliated to Gujarat Technical University), Sector-28, Gandhinagar – 382028.
40. Director, National Institute of Foundry and Forge Technology, Hatia, Ranchi – 834003.



MINISTRY OF STEEL GOVERNMENT OF INDIA

Ministry of Steel, under its R&D Programme, invites R&D Project Proposals

from

Reputed Academic Institutions/ Laboratories and Indian Steel Companies for pursuing R&D projects for the benefit of the Iron & Steel Sector in the country

Activities Supported:

- Development of innovative/ path breaking technologies for utilization of Indian iron ore fines/slimes and non-coking coal.
- To pursue R&D projects to address Climate Change issues in line with other countries.
- Beneficiation/ up gradation of low grade iron ore, coal etc. and agglomeration.
- To produce Metallurgical Coke from non coking coal.
- To lower the Sulfur content of North East Coal to make it suitable for metallurgical purposes.
- Development of commercially viable technology for utilization of steel plant and mine wastes including LD/EAF Slag.
- Improvement in quality of steel produced through the induction furnace.
- Development of indigenous technologies for new processes and improved products viz. Ultra High Strength Steel, High Strength High Formable steel, CGRO Steel Sheets, emerging coated products, very high speed anti-corrosion & stress free rails etc.
- Achieving global benchmarks in Productivity, Quality, Raw material consumption.
- Development of low carbon technologies to reduce GHG emission to address climate change issues.
- Development of innovative technology for effective recovery of waste heat in different iron & steel making processes.
- Development of innovative solutions for addressing the challenges faced by the iron & steel industry.
- To reduce the cost of steel production, improve quality of steel products and increase the consumption of steel.
- Any other R&D projects of national importance.

Scope of Support:

- R&D work in Lab Scale/ Bench Scale and scale-up to Pilot Scale/ Demonstration Plants will be supported.
- In case of Industrial/ Commercial organizations upto 50% of the total cost is permissible.
- In case of reputed Academic Institutions & National/ Regional Research Laboratories, financial assistance of upto 100% is permissible. However, preference will be given to R&D project having tie-up with user industry. Further, for Pilot/ Demonstration Scale R&D projects, financial contribution from Ministry of Steel will be limited to 50% & the balance to be met by the industrial partner.

Eligibility:

- Proposal can be submitted by a Public Entity or a Private Entity
- Industry/ Institutions should have DSIR recognized in-house R&D laboratory
- Joint Proposals with other laboratories/ institutions/ industry are desirable for support.

Last date of receipt of proposals: R&D proposals are accepted, evaluated & approved on annual basis. The last date for acceptance of R&D proposals is 31st July every year.

Guidelines for Applications:

Application format and guidelines are available on the Ministry of Steel Website: (www.steel.nic.in) under the section Technical Wing. Applications are to be submitted in the prescribed format which can be downloaded from website. The applicants should submit required number of copies of the proposal duly signed and forwarded by the Head of the Institution/ Organisation/ Companies to the following address:

Joint Secretary, Technical Division, Ministry of Steel,
Udyog Bhawan, Maulana Azad Marg, New Delhi: 110107

For more information/ clarification visit us at www.steel.nic.in and/or contact Dy. Industrial Adviser, Ministry of Steel, at Tel: 011-23062490, Email: shakubha@nic.in {one soft copy (MS Word file) may also be sent through email}