



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

AN 610808

MEMORANDUM OF UNDERSTANDING (MoU)

1. Parties

This **Memorandum of Understanding (MoU)** made on this 22nd day of February, 2024

BY and BETWEEN

Steel Authority of India Ltd., a Govt. Company incorporated under Section 617 of the Companies Act (Act I of 1956), having its registered Office at Ispat Bhawan, Lodi Road, New Delhi - 110003, and one of its units and integrated Steel Plants known as Durgapur Steel Plant at Durgapur - 713203, (hereafter referred to as 'SAIL DSP', which expression shall, unless repugnant to the context, be deemed to include its successors and assigns) of the first part,

AND

Dr. B. C. Roy Engineering College Durgapur, a registered society having its registered office at Management House, Dr B.C. Roy Engineering College, at Jemuã Road, Fuljhore, Durgapur - 713 206, (hereafter referred to as 'BCREC Society', which express shall, unless repugnant to the context, be deemed to include its successors and assigns) of the second part.

M. Bhattacharya
22/2/2024

M. K. Roy
22/02/2024

1. Preamble

Whereas SAIL DSP is one of the integrated steel Plants of Steel Authority of India Ltd. (SAIL) at Durgapur committed to nation-building under the Make in India initiative of the Government of India by producing high-quality Iron and Steel products and by-products like Sulphate, Benzene, Benzol etc.

And whereas, BCREC Society had established and governs Dr. B. C. Roy Engineering College, Durgapur, an AICTE, New Delhi approved Engineering College affiliated to Maulana Abul Kalam Azad University of Technology, Kolkata, which has been conducting Under – graduate and Post – graduate Engineering and Technology Courses since 2000 and Masters in Management and Computer Application Programmes from 2005, and is duly accredited for five under –graduate programmes by National Board of Accreditation, New Delhi, and has also received NAAC Accreditation valid until September, 2026 in B+ category.

2. Objective

The objective of this MoU is to create a platform of Industry-Academia collaboration for synergy between industry and academics, especially in the wake of Industry 4.0 revolution, in order to achieve organizational excellence in areas of mutual interest by facilitating interaction, innovation, research, application and training for effective sharing of knowledge and information.

3. Scope

This MOU is of generic nature to enable SAIL DSP and BCREC Society to engage with each other for any of the following activities as per mutually agreeable terms and conditions to be finalized on case-to-case basis for which specific Memoranda of Agreements (MoAs) shall be signed, if required:

1. Utilization of each other's facilities & expertise as per requirements.
2. Joint Research & Development projects and field studies by Dr. B. C. Roy Engineering College faculty and SAIL DSP personnel, including those involving innovation and creativity and leading to publications, patents, copyrights etc.
3. Professional consultancy by Dr. B. C. Roy Engineering College faculty to solve industry related problems identified by SAIL DSP.

M. Bhattacharya
22/2/2024

M. Bhattacharya
22/02/2024

4. Benchmarking of processes and academics through meaningful mutual inputs.
5. Organizing Seminars, conferences, or workshops on topics of mutual interest involving participation of faculty/employee/experts of Dr. B. C. Roy Engineering College and SAIL DSP.
6. Organizing Lecture sessions by experts from SAIL DSP at Dr. B. C. Roy Engineering College for their students and from Dr. B. C. Roy Engineering College faculty at SAIL DSP for DSP personnel.
7. Inclusion of experts from SAIL DSP in academic committees at Dr. B. C. Roy Engineering College.
8. Mentoring Graduate/Post-Graduate/Research Scholars of Dr. B. C. Roy Engineering College for projects/ thesis at SAIL DSP.
9. Facilitating Industry based real-time projects for Dr. B. C. Roy Engineering College students under joint supervision of Dr. B. C. Roy Engineering College and SAIL DSP.
10. Exposure of Dr. B. C. Roy Engineering College students to environment in steel making industry and its allied challenges.
11. Vocational Training (VT) for B. Tech students of Dr. B. C. Roy Engineering College at SAIL DSP during summer and winter vacation.
12. Industrial visits of Dr. B. C. Roy Engineering College students to SAIL DSP.
13. Training programmes / skill enhancement programmes by Dr. B. C. Roy Engineering College for DSP personnel.
14. Any other topics of interest as may be decided by SAIL DSP and Dr. B. C. Roy Engineering College as and when required.

4. Role of BCREC Society

The role of BCREC Society shall be for any of the following activities as per mutually agreeable terms and conditions to be finalized:

1. Providing skill – based training of workers, officers, managers and senior level managers of SAIL DSP in technical areas – SAIL DSP shall specify areas/requirement and duration of such training programmes for each level.
2. Undertaking special certificate courses with varying credits as per requirements and of international standards specifically designed for steel industry personnel (in collaboration with internationally renowned Companies/Institutes and Universities).
3. Organizing Research and Development activities under instructions and guidance from experts from SAIL DSP in the areas of future technologies and manufacturing and optimization practices.
4. Providing Design, development and consultancy for digital transformation for SAIL DSP.

M. Bhattacharya
22/2/2024

S. K. Mishra
22/02/2024

5. Organizing Sustainability studies and Environment – friendly studies for SAIL DSP
6. Hosting hackathon based on problem statements from SAIL DSP at National and International level.
7. Hosting Joint Conference related to Industry X.0 topics of the interest of steel manufacturing.

5. Role of SAIL DSP

The role of SAIL DSP shall be for any of the following activities as per mutually agreeable terms and conditions to be finalized:

1. Providing Industry Experts from SAIL DSP for contributing to teaching on visiting industrial basis on some of the topics from the curriculum.
2. Providing Experts from SAIL DSP to conduct examinations of the projects undertaken by the students for B.Tech / M.Tech and Ph.D level.
3. Facilitating vocational training and industrial visits by Dr. B. C. Roy Engineering College students at SAIL DSP.
4. Joint Hosting of Steel – related Hackathons, Workshops and Conferences either at SAIL DSP or at the College.
5. Allowing faculties of Dr. B. C. Roy Engineering College to visit SAIL DSP for research and developmental activities and carry out experiments without disturbing any of the Plant schedule for the projects undertaken for DSP projects
6. Arranging Joint IPR in case of any Research and Developmental Activities undertaken for the plant.

6. Central Coordination Committee (CCC):

1. There shall be a Central Coordination Committee (CCC) for effective implementation of the MOU and also for monitoring and reviewing the collaborative programmes, comprising of the following members:

From SAIL DSP:

- a) Shri S K Singh, CGM I/c (M&U)
- b) Shri O P Sharma, CGM (A&I and Electrical)
- c) Shri D Sengupta, CGM (Quality)
- d) Shri S K Gupta, CGM (HRD)
- e) Shri PVSU Mahesh, CGM (F&A)

Shri S K Singh
22/2/2024

Subin
22/02/2024

From Dr. B. C. Roy Engineering College:

- a) Prof. Sanjay S. Pawar, Principal, BCREC
 - b) Prof. Chandan Chattoraj, HoD Mechanical Engineering
 - c) Prof. Soomrup Siddhanta, HoD Faculty of Management Studies
 - d) Prof. Abhijit Banerjee, Faculty Electronics and Communication
 - e) Prof. Chandan Bandopadhyay, HoD, Data Science.
2. The above nomination of members in CCC may be changed by the parties during the validity of this Agreement in case of exigencies by written communication to the other party.
 3. All proposals/solutions shall be presented to CCC and its advice shall be treated as final recommendation for implementation, supervision and subsequent evaluation and completion of the activity / project.

7. Financial Aspects

1. All activities that may have financial implication shall be worked out jointly through the agreement of both the parties and specific agreements shall be signed by the parties from time to time for each of such activities on case-to-case basis.
2. Both parties agree that detailed terms and conditions that guide each activity identified above shall be separately determined and agreed upon by the two parties, including technical description of proposed activity, financial arrangements, and person(s) responsible for its implementation, etc.
3. As such this MoU has no financial implication on each other, and both parties acknowledge and understand that all financial arrangements, if any, shall be subject to prior specific written agreement and availability of funds for each activity/project undertaken.
4. Both parties agree that in respect of any activity for which specific Agreement may be signed by the parties, no legal or financial liability shall accrue in the event of force majeure conditions such as natural calamities, strikes, lockouts, civil, commotion, riot, accident or any other Acts of God beyond the control of the parties to the agreement.
5. No party shall have the right to use the name or logo of the other party without the prior approval of that party in writing.

M. Shrivastava
22/02/2024

Abhijit Banerjee
22/02/2024

8. Publication and Patents:

1. All publications concerning joint / collaborative work in the programme of co-operation shall be co-authored by the concerned staff / research fellow of Dr. B. C. Roy Engineering College and the concerned personnel of SAIL DSP.
2. Any patent arising out of the investigation / work made shall be the joint property of BCREC Society and SAIL DSP.

9. Validity:

1. This MoU shall remain valid for a period of **FIVE** years from the date of signing of the MoU with provision for yearly review by the CCC.
2. During the tenure of the MoU or thereafter, both SAIL DSP and BCREC Society shall be free to take up similar or same type of work independently and shall be free to enter into similar MoU with other parties.
3. Either party may terminate the MoU at any time by giving six months' notice to the other. However, termination of the MOU shall not in any manner affect the interests of their respective personnel who may be involved under any task under the ambit of any separate agreement arrived at between SAIL DSP and BCREC Society.
3. Any clause or article of the MoU may be modified or amended by mutual agreement of both the parties.
4. This MoU may be renewed or extended further with mutual consent for a period mutually agreed by the parties.

10. Confidentiality:

1. During or even after the tenure of the MoU, both BCREC Society and SAIL DSP undertake on their behalf to maintain strict confidentiality and prevent disclosure of all the information and data exchanged / generated pertaining to work under this agreement for any purpose other than in accordance with this MoU.

11. Resolution of Disputes:

In the event of any differences or disputes arising out of the interpretation or application of the provisions of any of the agreements to be signed by the parties pursuant to this MOU, the parties shall resolve such differences or disputes in a spirit of mutual understanding and co-operation through mutual consultation between the higher authorities of both the organizations.

M. Shrivastava
22/2/2024

Jubin
22/02/2024

However, if the parties fail to resolve the disputes amicably, the same shall be resolved as per Arbitration and Conciliation Act, 1996 by reference to a Sole Arbitrator to be appointed mutually by both parties. The seat and venue of arbitration shall be at Durgapur and all legal proceedings if any shall be instituted in Courts having territorial jurisdiction with respect to Durgapur.

In WITNESS WHEREOF, the undersigned, duly authorized, have signed this MoU in two originals, one to be retained by each party, on 22nd February, 2024 at Durgapur.

**For and on behalf of
Dr. B. C. Roy Engineering
College Society, Durgapur, WB
(a Registered Society)**

Signature *M. Bhattacharya*
22/2/2024
Name: **TARUN BHATTACHARYA**
Designation: **GEN. SECRETARY**

**For and on behalf of
SAIL Durgapur Steel Plant,
Durgapur, WB**

Signature *Sanjeev Kr Singh*
22/02/2024
Name: **SANJEEV KR SINGH**
Designation: **CA M I/c M & U.**

Witness 1

Signature *Dr. Sanjay J. Pawas*
Name: **Dr. Sanjay J. Pawas**
Designation: **Principal BCREC**

**Dr. B. C. Roy Engineering College
DURGAPUR**

Witness 2

Signature *T. S.*
Name: **T. S.**
Designation: **22/2/24**

Witness 1

Signature *Dibyendu Sengupta*
Name: **DIBYENDU SENGUPTA**
Designation: **CGM (QUALITY)**
मुख्य महा प्रबंधक / Chief General Manager (QUALITY)
दुर्गापुर इस्पात संयंत्र / Durgapur Steel Plant
सेल / SAIL

Witness 2

Signature *S.K. Gupta*
Name: **S.K. GUPTA**
Designation: **CGM (HRD)**
एस. के. गुप्ता / S. K. GUPTA
मुख्य महाप्रबन्धक (मानव संसाधन विकास)
Chief General Manager (HRD)
दुर्गापुर इस्पात संयंत्र / Durgapur Steel Plant