

MoUs Signed with CSIR-NML (2019 Onwards)

#	Title
1	Recovery of Electrolytic Manganese Dioxide(EMD) from Manganese Ore
2	Agreement for utilising the technical infrastructure, laboratory facilities, technical expertise and availing consultancy services of NML
3	Online temperature monitoring of Blast furnace Tuyere through FBG sensor
4	Master Joint Research Agreement (Tri-Party)
5	Transfer of Know-How for extraction of cobalt metal/salt from Black Powder of Lithium Batteries
6	Transfer of Know-How for extraction of cobalt metal/salt from Black Powder of Lithium Batteries
7	Agreement in connection with the disclosure and use of the confidential information
8	Agreement to share information and resources for mutual benefit in domain of electronic device development
9	Co-operation and promotion of R&D in area of mutual interest between for Indian Air Force
10	Joint research work for the development of MSME in the areas of mutual interest
11	Confidentially Agreement

12	Development and Transfer of know - how for the recovery of Co, Li, and Mn form Lithium-ion batteries (LIBs)
13	Development and Transfer of know - how for the recovery of Co, Li, and Mn form Lithium-ion batteries (LIBs)
14	Transfer of technological KNOW-HOW for the extraction of Cu, Al and Au from waste PCBs (SECRECY)
15	Transfer of technological KNOW-HOW for the extraction of Cu, Al and Au from waste PCBs (KNOW HOW)
16	Technology development for holistic utilization of Red Mud for extraction of metallic values & residue utilization
17	Transfer of technology for FlawGuard; A device for real time defect detection of high end wires
18	Transfer of technology for FlawGuard; A device for real time defect detection of high end wires
19	Information Non-Disclosure Agreement
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21	Information Non- Disclosure agreement
22	Process to clear ball jam in ball pen tips
23	Process to clear ball jam in ball pen tips

24	Feasibility Study and development of a process for optimization of reductant blend to partially replace met coke for production of ferro chrome
25	Information Non- Disclosure agreement
26	Development of rust converter composition for treatment of rusted steel
27	Transfer of technology KNOW-How for the magnetostructure sensing (MsS) device for pipe inspection (MagStrics)
28	Transfer of technology KNOW-How for the magnetostructure sensing (MsS) device for pipe inspection (MagStrics)
29	ANALYSIS OF NGCM PACKAGE – G (Hg) (3000 Samples) (Sediments and Soil Samples) (General)
30	Closed-loop Know-How to recycle spent Lithium-Ion Batteries (LIBs) to produce value added products of Li, Co, Mn, Cu, Ni, saleable plastics and graphite
31	Closed-loop Know-How to recycle spent Lithium-Ion Batteries (LIBs) to produce value added products of Li, Co, Mn, Cu, Ni, saleable plastics and graphite
32	Technology transfer for Recycling Lithium Ion Batteries (LIBs) to recover sellable metal/salts of Li, Co, Mn, Ni. Cu, Al, graphite and plastics
33	Technology transfer for Recycling Lithium Ion Batteries (LIBs) to recover sellable metal/salts of Li, Co, Mn, Ni. Cu, Al, graphite and plastics
34	WTP Collaboration
35	Development of a Process for recovery of nickel and copper from Monel Metal

36	Collaboration in R&D and Academic activities
37	Recovery of copper and nickel as metal/salts from metal coated ABS scraps of automobiles
38	Development of optimized methodology for hot rolled TWIP steel plates (10mm thickness)
39	Transfer of technological Know-How for the Recovery of Li, Ni, Mn, Co from spent Lithium-ion Batteries
40	Transfer of technological Know-How for the Recovery of Li, Ni, Mn, Co from spent Lithium-ion Batteries
41	MUTUAL NON-DISCLOSURE AGREEMENT
42	General Collaboration
43	NON-DISCLOSURE AGREEMENT
44	Collaboration for R&D in the areas of recycling
45	GENERAL Collaboration
46	Collaboration for R&D in Mutual Interest Areas
47	General R&D Collaboration

48	Calcined colemanite / calcined ulexite addition in pelletizing hematite ore to develop pellet for using in blast furnace
49	General Agreement
50	General
51	R&D in the areas of mutual interest
52	General Collaboration
53	NDA
54	R&D in the areas of mutual interest
55	WAAM of 316L stainless steel: A cost-effective alternative to SLM for critical components and repair (Under Tata-CSIR Umbrella Agreement)
56	MoU on rare earth scrap recycling and hard ferrite synthesis with Ashwini Mangnets
57	Non-disclosure Agreement
58	Welding of High Nitrogen Steel Plates
59	AGREEMENT FOR LICENSING OF KNOWHOW FOR BRASS MELTING FURNACE