

Met4-14/4/2024-Metal IV
Government of India
Ministry of Mines

New Delhi, Dated: 13th January 2025

To

The Director,
Jawaharlal Nehru Aluminium Research Development and Design Centre
(JNARDDC) Nagpur

Subject: Administrative Approval for the projects approved in the 3^d Apex Committee Meeting held on 02.01.2025 under the chairmanship of Secretary (Mines) under S&T-PRISM Component of Science and Technology Programme of Ministry of Mines

Sir,

I am directed to convey the approval of the President for implementation of the following projects of Startup/MSME through Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Nagpur, an autonomous body of Ministry of Mines, being the implementing agency under S&T-PRISM Component of Science and Technology Programme of Ministry of Mines:

S No	Proposal Title	Startup/MSME Name	Project Cost (MoM Contribution)	Duration
1.	Processing of Indian Rock Phosphate to produce high quality Import Substitute Fertilizer	Ishita International, Nagpur Maharashtra	₹199 Lakhs	24 months
2.	Production of High Pure Chromium Metal for Defence and Aerospace Applications	Regen Materials Pvt Ltd, Bhubaneswar, ODISHA	₹160 Lakhs	21 months
3.	Zinc metal as energy storage: mechanically rechargeable zinc-air batteries as long-duration energy storage for grid applications.	Sthyr Energy Private Limited, Chennai, Tamil Nadu	₹ 195.6 Lakhs	18 months
4.	Large Scale Production of Two-Dimensional $Ti_3C_2T_x$ MXene Nanomaterial from Industrial Waste for Advanced applications	Reseapro Labs Private Limited, Bhubaneswar, ODISHA	₹ 152.6 Lakhs	24 months
5.	Manufacturing of Thermal spray powders and Sintered Tungsten Carbide products	PR & SE CARBIDES PVT LTD, Hyderabad,	₹ 148.45 Lakhs	18 months

		Telangana		
6.	NdPr Metal Production through Molten Salt Electrolysis Technology	PG TECH PVT. LTD., Indore, Madhya Pradesh	₹ 99.75 Lakhs	18 months
7.	Solvent Extractants and Ion-Exchange Resin chemicals for Strategic and Rare Earth Metal Recovery	PolyProtic Chemicals Pvt Ltd, Vadodara, Gujarat	₹ 120 Lakhs	24 months
8.	High thermal conducting heat exchanger and heat sink using recycled aluminium composite	Aayogh Engineering Pvt Ltd, Bhubaneswar, ODISHA	₹ 150 Lakhs	24 months
9.	Highly energy efficient ElectroKompact system for removal of metal and high TDS from mineral industry effluent to achieve zero liquid discharge	Ecologique Science Technik (India) Pvt Ltd, Nagpur, Maharashtra	₹ 150 Lakhs	20 months
10.	Eco-friendly Innovation: Crafting High-Quality Silicon Dioxide from Quartzite	SKANDA PRECISION DESIGN, Mysore, Karnataka	₹ 150 lakhs	24 months
11.	Mineral Resource Estimation and AI-based Borehole Site Selection	Zwilling Labs Private Limited, Mumbai, Maharashtra	₹ 72.06 Lakhs	15 months

2. I am also directed to convey that the above eleven start up projects will be funded through NMET Fund of Ministry of Mines. Accordingly, Financial sanction in respect of abovementioned 11 projects will be issued by NMET, Ministry of Mines.

3. This issues with the approval of competent authority

Yours faithfully,

(Manvendra Singh Rathore)
Deputy Director
Email: manvendra.sr@gov.in

Copy for information and further necessary action: -

1. PS to Hon'ble Minister of Mines
2. PS to Hon'ble Minister of State for Mines
3. NMET – with request to take necessary action for release of funds in respect of all the 11 projects as mentioned above. A copy of the Minutes of 3rd Apex

Committee meeting held on 02.01.2025 are attached herewith.

4. NITI Aayog, NITI Bhawan, New Delhi-110001

5. PSO to Secretary (Mines)

6. PPS to Additional Secretary (Mines)

7. PA to EA (Mines)

8. PPS to JS&FA (Mines)

9. PA to Dir (RPG)

10. Administrative approval / Sanction file.

11. Guard file.