

### Ongoing Project During April 2024-March 2025

Project Title	Start Date	End Date	Contract Value (RS.in Lakhs)
<b>COLLABORATIVE PROJECTS</b>			
Technology Development For Holistic Utilization Of Red Mud For Extraction Of Metallic Values & Residue Utilisation	01-10-2021	30-06-2025	137.95800
Effective Utilization of Middlings and Fines of Coking Coal Washery for Recovery of Carbon Values.	10-12-2021	31-08-2024	126.52000
Fabrication of Two modified binder percentage detection devices	05-04-2024	31-10-2025	17.70000
<b>CONSULTANCY PROJECTS</b>			
Setting up and Upscaling of a Process for the Production of Copper Powder from Copper Scrap	17-05-2024	16-08-2025	9.44000
<b>CSIR- PROJECTS</b>			
Development of Rare-earth free anisotropic $\hat{\Gamma}_{\pm}^{\prime\prime}$ -Fe <sub>16</sub> N <sub>2</sub> hard magnetic material	01-04-2024	31-03-2026	67.30000
Unraveling the fundamental correlation of transformation pathway with mechanical and corrosion properties of multicomponent nano-pearlitic steels	01-04-2024	31-03-2026	59.50000
Development of self-healing geopolymer composites	01-09-2024	31-03-2026	52.00000
Low Temperature Co-fired Ceramic (LTCC) based eddy current sensor for Real-time health monitoring of power plant components	15-04-2024	31-03-2026	63.20000
Pilot Upscaling of Indigenously Developed Ultrahigh Strength Armour Steel with Excellent Toughness	01-04-2024	31-03-2026	89.00000
Extraction of vanadium as high pure V <sub>2</sub> O <sub>5</sub> , and Ni-salts from coal/coke gasification cinders	01-04-2024	31-03-2026	60.00000
Replacement of Toxic Cadmium Coatings by Electrodeposited Al/Zn-Mn Coatings on High Strength Steels	16-02-2022	15-02-2025	76.94000
Development of an AI based smart alarm system for predicting critical temperature zone of large industrial structure	14-06-2022	13-06-2025	90.18900
High Entropy Alloys for hydrogen storage application operable at Room Temperature (HEART)	01-04-2022	31-03-2025	75.00000
Development of large scale synthesis process for transition metal nano-composite based efficient and stable bifunctional electrocatalyst for anionic membrane alkaline water electrolyzer	01-04-2022	31-03-2025	53.63000
Phenome India-CSIR Health Cohort Knowledgebase	03-08-2022	02-08-2027	25.75000

CO2 Capture (CC) by Amine Absorption Process with Sequestration by Modified Mineral Carbonation (MC) and Recovery of Marketable Products and Waste Heat (WH)-A Holistic Technology Development Approach	01-06-2023	31-05-2026	199.22000
Recovery of Metal Values from Mining and Steel Plant Wastes	05-09-2023	30-06-2025	146.00000
Development of a process for the production of chromic oxide from chromite beneficiation plant tailing. (WP 6/2)	01-09-2023	31-08-2026	80.00000
Recovery of Lithium from Potential Indian Primary Resources for Battery Applications	01-10-2023	31-03-2025	176.16500
CSIR-Virtual laboratory for school students	03-12-2020	31-03-2026	20.40000
Technology Development For Recovery of Tantalum from Secondary Resources (RETAN)	01-10-2023	30-09-2025	60.00000
Process technology for the recycling of waste c-Si PV modules	01-09-2023	31-08-2026	131.50000
Rare Earth Recovery from Waste Magnet (NdFeB)- Waste Scrap to Metal/oxide/salt Product	01-09-2023	31-03-2026	194.00000
Electrodeposition of corrosion resistant Cr-carbide coatings on SS 316L for Sink Roll applications in Continuous Galvanizing Lines	08-09-2022	07-09-2024	40.00000
Self-healing coating for corrosion protection of structural steel	01-08-2022	31-07-2024	76.00000
Technology development for Holistic utilization of Red Mud for extraction of Metallic values & residue utilization	03-10-2022	01-10-2024	176.26005
Holistic utilization of zinc dross for recovery of high value zinc products	08-09-2022	07-09-2024	145.00000
Scale up study for the recovery of potash fertilizer and iron oxide from Indian glauconitic rocks	08-09-2022	07-09-2024	54.00000
Indigenous Development of Benzoic Acid Reference Material for Calorimetry Analysis	08-09-2022	07-09-2024	54.40000
Technological intervention in the Dokra handicrafts for increased productivity, aesthetic and quality	01-04-2024	31-03-2027	65.00000
Battery to Battery: Recovery of Metal Values from Spent Lithium Ion Batteries and Fabrication of New Lithium Ion Batteries-A Circular Economy Approach (B2B)	01-07-2024	31-03-2027	416.16000
Potash fertilizer recovery from indigenous silicate minerals K-feldspar with simultaneous production of valuable by-products	01-09-2024	31-03-2027	114.00000
Development of process for the recovery of Selenium as metal/oxide and Tellurium as metal from Copper anode slime	01-09-2024	31-03-2027	90.00000
Recovery of Tin and Antimony from Lead-Tin_Antimony Dross	01-09-2024	31-03-2027	170.00000

Ultra-precise on-machine metrology (OMM) system for optical fabrication of freeform optics	13-05-2024	31-03-2026	21.92000
Development of Gas Atomized Iron Alloy Powders for Soft Magnetic Core Applications	01-04-2024	31-03-2026	62.81200
CSIR Integrated Skill Training Initiative of CSIR-NML	01-04-2020	31-03-2025	395.75000
<b>GRANT-IN -AID PROJECTS</b>			
High Temperature Oxidation and Hot Corrosion behavior of selected materials for Clean Coal Technologies for Power Plant Applications	01-11-2018	25-09-2024	138.49200
Creep-fatigue interaction behavior of ODS-austenitic steels and ODS-iron and nickel aluminides	01-11-2018	25-09-2024	295.59400
Development of Advanced NDE based Diagnosis and Prognosis Protocols for A-USC Power Plants	01-11-2018	25-09-2024	209.75000
Structural engineering into 3D macroscopic architecture with hierarchical porosity for real application of energy storage devices	01-04-2020	01-04-2024	21.00000
Management and operation of CSIR-NML Intellectual Property Facilitation Centre (IPFC) for MSME	01-08-2020	31-07-2025	100.00000
Hot stage engineering of copper smelter slag for recovery of iron and subsequent use of resulting slag in blended cement	15-10-2020	31-03-2025	83.90639
Women Technology Park (WTP) for capacity building and entrepreneurship development	17-07-2021	27-12-2024	52.60654
Processing of Tin Slag and technological extraction of critical elements for High strength Low Alloy Steels	01-03-2022	31-08-2025	67.53100
Recycling Of Graphite From Spent Lithium-ion Batteries For High Energy Li-ion Capacitors	11-03-2022	10-09-2025	86.47000
Development of Novel Hydrometallurgical Technological process for extraction and separation of Scandium from Tin Slag	01-06-2022	31-05-2024	40.00000
Establishment of a Centre of Innovation & a Manufacturing Eco-System for Sensors (CIMES) in Industrial IoT.	13-06-2022	12-06-2027	78.34000
Investigation on weldability of 8 and 20 mm thick high nitrogen steel with strength of about 800-1200 MPa	01-07-2022	31-03-2025	85.98100
Integrity of the Iron Beams at Konarka Temple	22-06-2023	21-06-2025	47.43962
Grain boundary engineering for austenitic stainless steel processed by selective laser melting	06-02-2023	05-02-2026	64.35366
Study of hydrogen degradation in advanced high strength steels(AHSS) for automotive applications	14-03-2023	13-03-2026	33.33312
Intelligent Defect Identification and Classification Technique for Welded Assembly	13-02-2023	12-02-2026	44.36128
Hybrid Heusler-Glassy Magnetic Alloy Composites for Caloric and Shape Memory Applications	21-02-2023	20-02-2026	42.85570

Eco-Friendly Solution with Metal Recovery and Value Added Products from Stainless Steel Spent Pickle Liquor: A Zero Waste Business Model.	01-05-2023	31-03-2025	67.72400
Centre for Excellence in Wear and Corrosion Resistant Coatings Technology	19-08-2023	18-08-2026	937.71040
Informal sector capacity building up-gradation with formation of recycling clusters under MSME scheme and enabling technology for recovery of resources from electronic waste thereby promoting resource efficiency and circular economy	03-07-2023	02-01-2027	304.56000
Sustainable Technology for the Production of High-grade synthetic rutile (TiO <sub>2</sub> ) from Odisha Ilmenite under Women Scientist Scheme-A (WOS-A, DST)	29-03-2023	28-03-2026	33.00450
Science and Technology Innovation Hub in village Gamharia, Saraikela Kharsawan Block, West Singhbhum District, Jharkhand State	10-01-2024	14-03-2026	97.87687
Development of novel micro-structure and inhibitors to combat molten salt corrosion of thermal energy storage materials in concentrated solar power plant	27-06-2023	26-06-2026	27.23328
Process Development for Refining Commercial Magnesium Metal through Vacuum Distillation in Semi-Continuous Mode at 5-6 kg Scale.	02-06-2023	01-06-2026	97.70100
Evaluation of Mechanical Properties such as Tensile, Creep, LCF, KIC, CCG values of an Important Cast Ni Based Superalloy (BZL-12Y)	16-10-2023	15-10-2027	29.09000
Beneficiation of coking coal by hybrid mode: dry and wet processing to reduce the ash forming impurities	04-12-2023	03-06-2025	90.09000
Development of efficient bi-functional electrocatalyst of transition metal for anion exchange membrane (AEM) based alkaline water electrolyser, scale-up and prototype fabrication of membrane electrode assembly (MEA)	25-01-2024	24-01-2027	36.76924
Upgradation of lean grade ore/ slimes through reduction roasting to develop blast furnace grade pellet	12-03-2024	30-06-2025	47.00000
Development of process for Beneficiation of Lean grade iron ores with less than 45% Fe content	28-03-2024	30-06-2025	36.56000
Environmental assisted cracking behavior of RRA and modified RRA treated AA7085 and AA2519 in 3.5%NaCl, humid air, hydrogen environments under cyclic loading	06-03-2024	31-03-2027	45.42000
Guided wave nonlinear ultrasonic and wave mixing techniques to assess fatigue damage in Al-Mg-Sc alloy	21-05-2024	20-05-2027	35.44128
Thermal stability of nanocrystalline Cu-Nb binary alloy thin films: Phase separation, Microstructure, Residual stress and Crystallographic texture	14-05-2024	14-05-2027	40.95401

Large-scale production of M2AX (M=Ti/V, A=Al, & X=C) type MAX and corresponding MXenes based electrodes for developing aqueous based coin and cylindrical supercapacitors	21-05-2024	20-05-2027	30.66724
Development of process for synthesis of copper and nickel metal powders from WEEEs for additive manufacturing	01-07-2024	30-06-2026	46.53674
Reduction of surface contamination of Teri heavy mineral sand and dewatering studies on slimes	02-09-2024	01-09-2025	27.64000
Scale up of a pyro-hydrometallurgical processes for holistic recycling of variable Zinc dross (high grade and low grade)	01-11-2024	30-11-2026	65.81000
Hot corrosion behaviour of Ni-base and Co-base Superalloys using thermo-gravimetric and electrochemical methods	15-10-2024	14-10-2027	83.42640
Decarburisation of high carbon ferro manganese for preparation of low carbon ferro manganese.	06-03-2025	05-03-2027	63.00000
<b>IN-HOUSE PROJECTS</b>			
A study on hydrodynamics characteristics in separation of minerals in a monolithic flotation column	01-11-2021	30-09-2024	2.70000
Flow Accelerated Pipeline Corrosion (Module-I): Probing the FAC mechanisms of API 5L grade steels through gravimetric and different electrochemical techniques Flow Accelerated Pipeline Corrosion (Module-II): Microstructure & FAC behavior correlation in API 5L grade steels; Effect of different Fe-C phases & phase fractions Flow Accelerated Pipeline Corrosion (Module-III): Microstructure, Inhibitor performance & FAC behavior correlation in API 5L grade steels; Effect of Microstructural Constituents on Inhibitor's Effectiveness	01-11-2021	30-09-2024	5.55000
Near net shape 3D manufacturing of Inconel 718 by optimizing controlled parameters of wire arc additive manufacturing with Cold metal transfer process.(Module I)(Module II)(Module III)	14-04-2022	31-03-2025	5.70000
Microstructural evolution of Superalloy Inconel 740H during Thermomechanical Processing(Module I)(Module II)(Module III)	14-04-2022	31-03-2025	1.71000
(Module - I) Thermodynamics and Kinetic Investigation on the Gas-Solid reduction of premixed lean grade Mn/Fe Ores (Module - II)Thermodynamic and Kinetic investigation on the Gas-Solid reduction of premixed lean grade Mn/Fe ores	01-12-2022	30-09-2024	6.65000
Microstructure and Mechanical Property evolution of WAAM-ed Inconel 625 (Module-I + Module-II)	01-12-2022	30-09-2024	1.70000

Analytical strategies for elimination of Memory effect in ICP-MS for the quantification of mercury (Hg) in Coal and fly ash samples	01-05-2023	30-04-2024	10.66000
Understanding the occurrence of Rare Earth Elements and Yttrium within coal beds, partings, and overburden (Module-1)(Module-2)	15-05-2023	31-03-2025	3.97500
To Explore Ferrochrome Slag as a Protective Coating Material to Prevent Corrosion of Caster Rolls	01-01-2024	30-09-2024	9.10000
Deposition and Characterization of Antimony Chalcogenide-based Light Absorbers Coatings for Photovoltaic Applications	01-11-2023	30-09-2024	20.50000
Development of Eddy Current sensor for crack detection in bilayer riveted engineering structures	01-11-2023	30-09-2024	9.40000
Development of indigenous Coal CRMS for different grade of Ash, VM & GCV in Indian coal	01-11-2023	30-09-2024	3.27000
Design of efficient corrosion inhibitor for mild steel surfaces using density functional theory and reactive molecular dynamics simulations	15-11-2023	30-09-2024	2.30000
Zirconium rich alloys for Dental implant	01-05-2024	31-07-2024	36.99000
Column flotation for Indian copper sulphides.	01-05-2024	31-03-2025	6.70000
Design and Development of a novel innovative reactor for the production of Magnetite powder from iron oxide fines	01-05-2024	31-03-2025	17.17500
Thermal Performance Analysis of Additively Manufactured Liquid Cold Plate for EV Battery	01-05-2024	31-03-2025	5.54000
Development of a Data Server , Report Management System & One window access to varied Project Information including APP	01-05-2024	31-03-2025	4.90000
Beneficiation of lithium ore by froth flotation to separate lithium, feldspar, and quartz consecutively	01-11-2024	30-09-2025	1.30000
<b>SPONSORED PROJECTS</b>			
Electronic packages for ultrasonic flow meter for on-board propellant gauging of spacecraft	01-09-2018	31-12-2024	49.72520
Investigations of Fracture and Fatigue Crack Growth Rate Behaviour of Aero Engine Fan Disk of Ti-6Al-4V Alloy	04-02-2019	31-12-2024	95.96383
Coal Characterization of Eastern Coalfields	11-04-2022	31-03-2025	170.15600
Evaluation and Characterisation of band by band coal analysis of Asansol Coalfields Ltd.(SSP-1262)	01-04-2021	30-04-2025	314.52089
Evaluation of grade of SECL mines	15-12-2021	31-03-2025	97.00001
Fatigue Behaviour Of Primary Piping/vessel Materials If Indian Npps Under Multi Axial Conditions (Ssp 1267)	11-02-2021	31-12-2024	44.48600
Seam Overall Analysis of Jharia Coalfields	25-01-2023	31-03-2026	24.73845

Characterization of Coal samples supplied by M/s Adani Power Ltd.	10-02-2022	08-05-2024	18.45722
Refining of hot metal in MgO lined induction furnace	06-01-2022	19-10-2024	21.24000
Microstructure and mechanical health assessment of center buffer coupler parts	20-01-2022	31-03-2025	70.21000
Chemical Characterisation for the grade declaration of Eastern Coalfields Limited	11-04-2022	25-03-2025	117.99999
Quality Assessment of Coal Samples of WCL Ballarpur Sponsoring Organization: Western Coalfield Limited (WCL), Ballarpur	01-08-2023	31-03-2027	102.07000
Grade Declaration of Referee Samples of MCL on the Basis of GCV	15-07-2022	31-12-2024	100.00534
Thermo-Mechanical Processing and Heat treatment	01-05-2022	30-04-2024	56.87954
Pilot scale trial from oily bubble flotation of coal	10-10-2022	30-04-2024	23.60000
Preliminary Fatigue Crack Growth Rate and Fracture Toughness Testing at High Temperatures	16-06-2022	30-06-2025	146.93679
Chemical Analysis and Characterization of Band by Band Coal of Ib Valley Coalfield	15-07-2022	31-03-2025	119.99997
Study on Gross caloric value in different coal mines of CCL Ranchi	20-01-2023	31-03-2026	42.26532
Analysis and evaluation of GSI NGCM -J soil and sediments samples	01-11-2022	31-03-2025	7.77174
Distribution of Hg in soil and sediment samples	20-01-2023	31-12-2024	26.55000
Influence of the weld microstructure on hydrogen permeability and trapping behaviour in the API line pipe steel	14-11-2022	14-05-2024	11.80000
Lithological Study of Borehole Coal Cores of Gare-Pelma Sector-III Coal Block, Mand Raigarh Coal Field, Chhattisgarh through Chemical and Physical Characterization	01-08-2023	31-03-2026	88.33480
Evaluation of Performance of Newly Developed Flotation Reagents	05-10-2023	04-10-2024	11.80000
Metallurgical Failure analysis of SS sheet used in 2.8 MW Permanent Magnet Synchronous Wind Mill Turbine Generator	11-03-2024	10-03-2025	5.90000
Exploratory Studies On Beneficiation Of Low Grade Quartzite	29-05-2024	29-09-2024	11.80000
Feasibility Studies On The Flotation Of Celestite Ore	14-06-2024	14-03-2025	7.08000
Microstructural characterization of fire exposed steel columns	18-06-2024	06-08-2024	5.90000

Metallurgical Failure Analysis of Roller Boss in a Cement Plant	04-10-2024	03-10-2025	5.90000
Feasibility study of beneficiation of Quartz	29-11-2024	29-05-2025	9.44000
Feasibility study of beneficiation of Quartz	29-11-2024	29-05-2025	9.44000
Failure and microstructure characterization of the cement mill roller shaft	02-01-2025	31-12-2025	5.90000
Metallurgical failure analysis of combines emergency stop valve and control valve (ESVCV) of unit 1 of HP stem turbine	10-01-2025	09-01-2026	9.73500
Seam Overall Characterisation of Coal sample of CMPDIL	01-08-2023	31-03-2026	83.45745
High Cycle Fatigue Characterization of Compressor Aerofoil Material GTM-SU-718.	30-01-2023	31-07-2025	106.90500
Beneficiation study of quarzitic sand to produce a sand glass grade	10-02-2023	31-08-2024	17.70000
Exploratory studies on creep crack growth rate behaviour of GTM Su 718 alloy	21-02-2023	19-06-2025	81.25000
Evaluation and health assessment of center buffer coupler parts: Body, Yoke, Knuckle	01-03-2023	28-02-2026	90.27000
Evaluation and assessment of field withdrawn CBC components	01-04-2023	31-03-2026	100.30000
Metallurgical Failure Investigation of Line Pipe Steel API 5LX70M PSL2	09-05-2023	08-05-2024	11.21000
Metallurgical Investigation to explore the root cause of U1 Boiler SH Tube Failure	19-05-2023	18-05-2024	5.90000
Development of corrosion resistant spray coatings for TMT rebars	01-07-2023	30-06-2024	11.80000
Processing and Property Optimization of Iron based Soft Magnetic Nanocrystalline Alloys	02-06-2023	01-06-2024	10.00640
Development of Ultra High-strength Al-Mg-Sc alloy	01-07-2023	31-05-2025	33.38220
Root Cause Analysis of failure of the reheater tube and economizer tube.	20-06-2023	19-06-2024	9.44000
Salvaging Lithium mixed metal oxide and converting into value added product from spent Li-ion Battery	01-08-2023	31-12-2024	21.24000
Smelting Studies for Nickel Laterite Briquettes in Electric Arc Furnace.	03-07-2023	02-07-2024	17.70000
Pre-reduction and smelting studies of biochar for ferroalloy production	03-07-2023	31-03-2025	13.27500
Forging, Hot Rolling and Salt Bath Heat Treatment of Different Grades of High Carbon Steels.	01-08-2023	31-07-2025	58.92920



Transfer of technological Know-How to recycle spent lithium ion batteries (LIBS) to produce value added products of Li, Co, Mn, Cu, Ni as metals/salts, saleable plastics and graphite	01-08-2023	30-11-2024	25.00000
Transfer of technological Know-How for the extraction of Cu, Al and Au as metals/salts from waste PCBs	01-08-2023	30-11-2024	25.00000
Up-scaling of process for production of Electrolytic Mn Metal from MOIL MnSO <sub>4</sub> solution	01-09-2023	31-08-2024	48.04960
Evaluation of debonding area in Con rods using Ultrasonic Imaging	30-08-2023	31-12-2024	6.19500
Work package to upscale, characterize and realize the properties in Complex concentrated alloys (CCA).	12-07-2023	31-12-2024	40.56861
Feasibility Studies on the Preparation of Zirconium Iron Alloy	09-09-2023	03-09-2024	8.85000
Creep behavior of different grades of stainless steels and nickel-based super alloys	08-09-2023	31-03-2025	14.27800
Metallurgical Failure Investigation of the Blasted Oxygen Cylinder	31-07-2023	30-07-2024	7.67000
Technology transfer of a sensing device Zincometer for Zinc coating weight measurement in GI line	06-10-2023	31-10-2024	9.44000
Validation of know-how for the recovery of REEs from variable Spent NdFeB magnets of variable sources	01-11-2023	30-04-2025	31.86000
Instrumentation of billet mould with sensor and installation at CC3 for breakout prevention	15-10-2023	31-01-2026	28.88640
Filling the gap in silver recovery process at PMP, Pant Nagar, Uttarakhand	04-12-2023	30-06-2025	63.72000
Studies on creep behavior of SS304L base and weld material	14-12-2023	13-12-2025	45.90200
Corrosion Damage Analysis of steel pipelines and material selection for Ammonia Distillation Unit	12-01-2024	11-01-2025	8.68480
Transfer of Know-how/Technology for the development of Ti <sub>3</sub> AlC <sub>2</sub> MAX phase	01-02-2024	31-01-2025	5.90000
Simulation analysis for the grinding circuit for Ambaji Project	09-02-2024	09-10-2024	11.80000
Development of High Temperature Low Sag Al-alloy conductor	13-02-2024	12-04-2025	52.10880
Analytical Method Development and Chemical Analysis of Western Region NGCM Samples	01-04-2023	31-12-2025	184.92960
Feasibility studies of recovery of Manganese values as MnO <sub>2</sub> and Mn <sub>3</sub> O <sub>4</sub> from cell sludge generated during zinc electro-winning	01-05-2024	31-12-2025	23.60000
Metallurgical investigation of fractured rails involved in derailment of NE Express	22-02-2024	21-02-2025	23.60000
AC Core-loss Studies on Additively Manufactured FeSi Toroidal Cores	05-03-2024	31-03-2025	10.32500

Metallurgical Failure Analysis of KSA Clamp of MIG-29 Aircraft	01-05-2024	30-10-2024	3.25000
Corrosion assessment of anti-corrosion coating for TBSPL	20-03-2024	19-09-2024	8.52550
Transfer of technology on the recovery of Zinc as Zinc salts and metal from lean grade Zinc dross	01-04-2024	31-12-2026	8.00000
Analysis of low grade/sub grade chromite overburden, study at 5-10 kg scale in pot sinter and metallurgical characterization of supplied sample.	01-04-2024	30-09-2025	16.52000
WAAM of 316L Stainless Steel: A cost Effective Alternative to SLM for Critical Components and Repair	01-05-2024	09-01-2026	11.21000
Development of Wear-resistant Steel for Segment of Coal Sizer	15-04-2024	14-07-2025	49.56000
Pilot scale flotation of coal using a synthesized collector reagent	01-01-2024	31-03-2025	31.86000
Hot Rolling and Cold Rolling Followed by Salt Bath Heat Treatment of High Strength Steels	29-04-2024	29-04-2026	60.94700
Recovery of valuables from spent stainless steel pickle liquor	01-06-2024	31-12-2025	25.00000
Pre-reduction and advanced smelting studies of biochar for ferroalloy production	13-06-2024	12-06-2025	13.27500
Metallurgical Investigation of Fractured Rails Involved in Derailment of Train No. 15904 Dn	16-08-2024	15-08-2025	21.24000
Band-by-Band and Overall Coal Core Study of Rasulpur and Shrimatpur Area through Chemical and Physical Characterization	01-09-2024	31-08-2025	15.09869
Transfer of process flow sheet for production of a self-healing coating and primer suitable for application on rusted steel	01-12-2024	30-11-2025	17.70000
Metallurgical investigation of sheared Starboard Faring of KBU-702 MIG-29 Aircraft for root cause analysis	06-09-2024	05-09-2025	4.48400
Metallurgical test of wagon components related to the side collision of Train No. 12810	09-09-2024	08-09-2025	7.67000
Metallurgical investigation for damaged condensate feed system water pipeline and worn out spline shaft of kg linkage	22-05-2024	21-05-2025	7.08000
Creep behavior studies of martensitic grade steel	27-08-2024	26-08-2025	6.53720
Parametric validation of the process for the recovery of Zn, Pb and Ag from Jarosite	01-09-2024	31-12-2025	11.80000
Material Evaluation of LHB Railway Wheels	08-02-2024	31-05-2025	7.61100
Transfer of technology know-how for the "Magnetoimpedance (MI) Based Array Sensing Device for Detection of Carburisation and Defective Welds: MagRays"	17-10-2024	31-03-2026	15.34000

Critical assessment of high performance anti-corrosion coating for extreme environment	18-10-2024	17-04-2025	32.19026
Evaluation of debonding area in connecting rods using ultrasonic imaging.	22-10-2024	30-11-2025	12.98000
Recovery of Al (as salt) and Sn (residue) from scrap turning samples as well as Ni (as salt), Fe (as pigment) and Sn (residue) from the waste powder samples	01-01-2025	31-12-2025	17.70000
Effect of heat Treatment on creep behaviour of different grades of Cr-Mo Steels	04-12-2024	31-03-2026	13.27500
AC Magnetization studies on cold-rolled non-oriented Silicon steels as per IS-649	24-01-2025	31-03-2026	34.51500
Process audit of the existing Copper beneficiation plant at Malanjkhanda to study the feasibility of capacity enhancement.	29-01-2025	28-01-2026	51.92000
Material analysis and reclamation of flame tube for gas turbine generator 1250 2E	25-01-2025	31-03-2026	40.12000
Structural health monitoring of stainless steel super-heater and re-heater tubes using a magnetostrictive NDE sensor	03-03-2025	03-03-2026	83.94103
Feasibility study on the beneficiation of tailings from industrial beneficiation plant.	24-02-2025	24-11-2025	17.70000
Metallurgical failure analysis of low pressure (LP) steam turbine blades	03-02-2025	02-02-2026	5.90000
Technical Audit of Rail Manufacturing Process at BSP	17-02-2025	16-02-2026	20.06000
Life Cycle Coast analysis of Roofing material used for Building Construction for TBSPL	03-02-2025	31-07-2025	5.90000