

SYSTEMATIC MINE WORKING



Utilization of Advances Mine Survey Equipments (Total Station, 3D Laser Scanner & DGPS)



Exploration: Conventional Core Drilling



Exploration: Advanced Wireline Diamond Core Drilling

SYSTEMATIC MINE WORKING



Deployment of State-of-the-art HEMM



Mining: Panoramic View of Systematic Opencast Mining

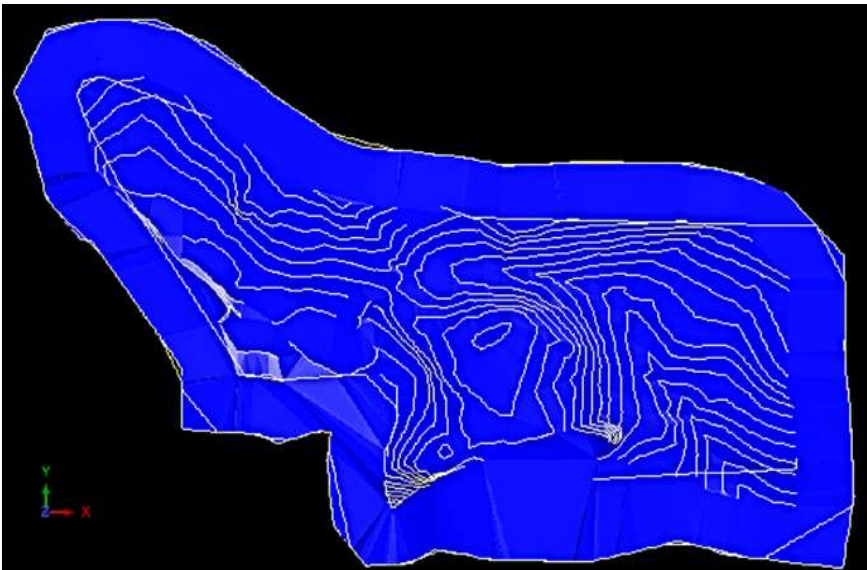


Mining: Extraction by HEMM in the Active Pit

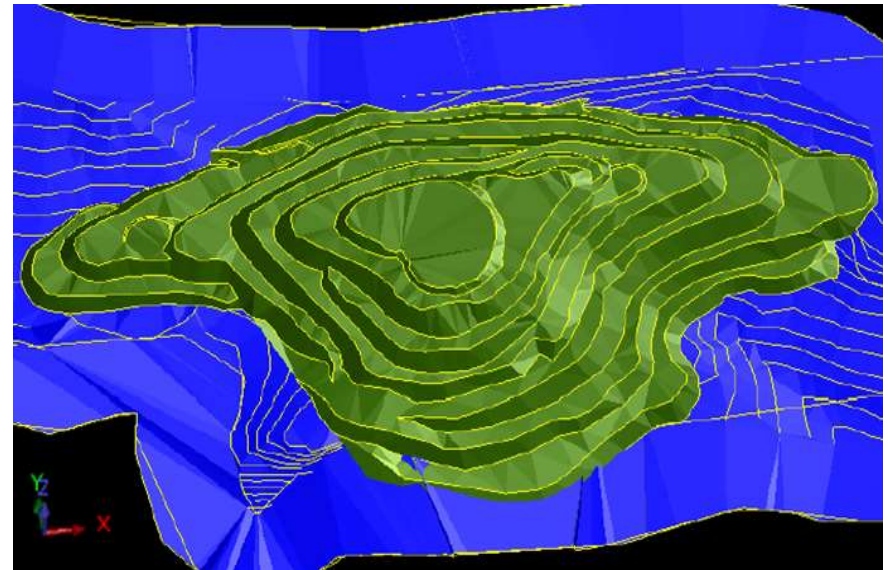
WASTE DUMP MANAGEMENT



Waste Disposal Site Selection: Geologically Barren, Non-vegetated & Non-forest Land



Topographic Survey



Dump Designing

WASTE DUMP MANAGEMENT



Multi-layered Dumping



Laying of Geotextile for Erosion Control

WASTE DUMP MANAGEMENT



Erosion Control: Contour Drains for Water Channelization



Erosion Control: Provision of ERWMS Pipes



Protection Measures: Provision of Boulder / RCC Wall



WASTE DUMP MANAGEMENT



Environment Management: Provision of Garland Drains at the Dump Toe



Environment Management: Provision of Filter Beds & RCC Silt Arresters

WASTE DUMP MANAGEMENT



Environment Management: Provision of Settling Ponds

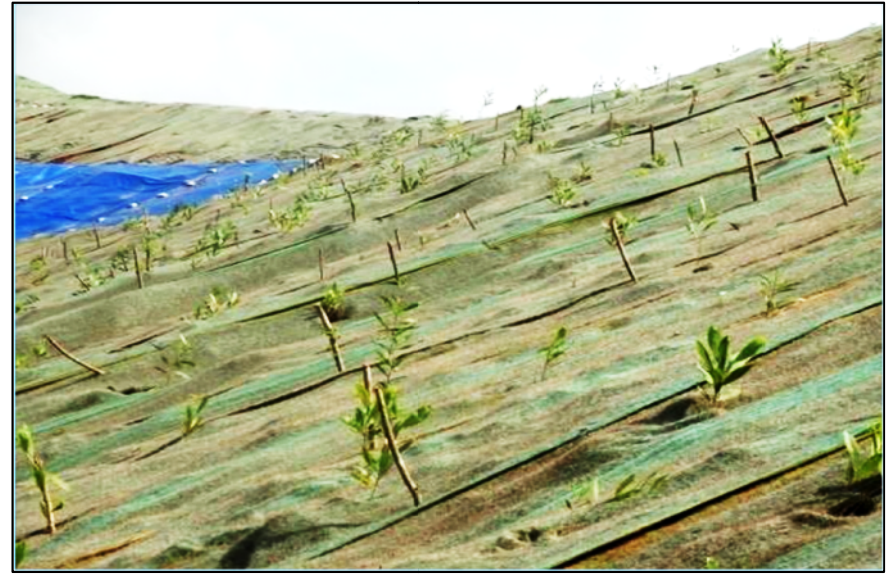


Monsoon Preparations: De-silting of Garland Drains & Settling Ponds

AFFORESTATION



Grass Grown on Dump Slopes covered by Geotextile



Geotextile with Fresh Primary Plantation



Plantation of Fruit bearing Native Species



AFFORESTATION



Mixed Plantation of Native Species



Organic Manuring & Regular Watering of the Plantation

KEY EFFORTS



Establishment of Root Trainer Nursery



Monitoring of the Activities

MINE SITE RECLAMATION & REHABILITATION



Horticultural Plantation on Mine Benches



Horticultural Plantation on both sides of Mine Road



Horti-silvicultural Plantation on Overburden Dumps



Forest Species & Nitrogen Fixing Cover Crop on Mine Benches

MINE SITE RECLAMATION & REHABILITATION



Spice Plantation



Pineapple Plantation



Nakshatra Garden



Butterfly Garden

MINE SITE RECLAMATION & REHABILITATION



Charak Vatika



Bamboo Pavilion



Harvested Rainwater in the Exhausted Mine Pit converted to Pisciculture Pond & Fresh Water Fish



MINE SITE RECLAMATION & REHABILITATION



Technical School



Football Academy