<table>
<tr><td></td><td>Features</td><td>Details</td></tr>
<tr><td></td><td>Block ID</td><td>Regional Mineral Targeting in parts of AMGC and associated granites</td></tr>
<tr><td></td><td>Exploration Agency</td><td>MMPL Pvt. Ltd. (formerly Maheshwari Mining Pvt. Ltd.)</td></tr>
<tr><td></td><td>Commodity</td><td>Sillimanite, REE, Tungsten, Molybdenum, Lithium, Magnetite</td></tr>
<tr><td></td><td>Mineral Belt</td><td>Assam–Meghalaya Gneissic Complex and associated granites</td></tr>
<tr><td></td><td>Budget & Time schedule to complete the project</td><td>Budget: 17.82 Cr
Time schedule: 24 months</td></tr>
<tr><td></td><td>Objectives</td><td>The objectives of the Regional Mineral Targeting block are as follows:
Delineation of G4 level exploration blocks by carrying a systematic mineral exploration approach by integrating multidisciplinary geoscientific data with modern exploration techniques.
Delineation of concealed, deep-seated mineralization zones, enhancing mineral discovery in India.</td></tr>
<tr><td></td><td>Whether the work will be carried out by the proposed agency or through outsourcing and details thereof. Components to be outsourced and name of the outsource agency</td><td>The work will be carried out by proposed agency.</td></tr>
<tr><td></td><td>Name/ Number of Geoscientists</td><td>Field Geologist: Four numbers
HQ Geologist: Two numbers
HQ Geophysicist: Two numbers</td></tr>
<tr><td rowspan="3"></td><td rowspan="3">Expected Field days (Geology, Geophysics, Surveyor)</td><td>Expected field days for
Geological activity: 270 days</td></tr>
<tr><td>Geophysical activity: 90 days</td></tr>
<tr><td>Survey work: 30 days</td></tr>
<tr><td>1.</td><td>Location</td><td></td></tr>
<tr><td></td><td>Latitude and Longitude</td><td>
<table>
<tr><th>Cardinal points</th><th>Longitude</th><th>Latitude</th></tr>
<tr><td>A</td><td>90.7500</td><td>25.7500</td></tr>
<tr><td>B</td><td>91.0000</td><td>25.7500</td></tr>
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		<table><tr><td>C</td><td>91.2500</td><td>25.7500</td></tr><tr><td>D</td><td>91.2500</td><td>25.5000</td></tr><tr><td>E</td><td>91.3536</td><td>25.4019</td></tr><tr><td>F</td><td>91.4987</td><td>25.3488</td></tr><tr><td>G</td><td>91.5000</td><td>25.2500</td></tr><tr><td>H</td><td>91.2500</td><td>25.2500</td></tr><tr><td>I</td><td>91.2500</td><td>25.3750</td></tr><tr><td>J</td><td>91.0000</td><td>25.3750</td></tr><tr><td>K</td><td>91.0000</td><td>25.5000</td></tr><tr><td>L</td><td>90.7500</td><td>25.5000</td></tr></table>
	Villages	Rongjeng, Langpih, Borsora, Mawkyrwat, Porkhadoh
	Tehsil/Taluk	
	District	RMT block is covering 5 districts in Meghalaya, namely West Khasi Hills, South West Khasi Hills, East Khasi Hills, East Garo Hills and South Garo Hills and a small part in Kamrup district of Assam.
	State	Meghalaya and a small part of Assam
2.	**Area (hectares/ square kilometres)**	
	Block Area	2174.95 sq.km
	Forest Area	--
	Government Land Area	--
	Charagaha	--
	Private Land Area	--
3.	**Accessibility**	
	Nearest Rail Head	Kamkhya Junction railway station (towards NE, 62.65 km)
	Road	NH-217
	Airport	Guwahati Airport (towards NE, 51.74 km)

4.	**Hydrography**	
	Local Surface Drainage Pattern (Channels)	Dendritic pattern
	Rivers/ Streams	--
5.	**Climate**	
	Mean Annual Rainfall	5,476.60 mm
	Temperature:	Lowest mean temperatures (October–February): ~3.6 ℃ Highest mean temperatures (March–May): ~33 ℃ (typically April)
6.	**Topography**	
	Toposheet Number	78K/14, 78O/02, 78O/03, & 78O/07
	Morphology of the Area	The area is having undulating topography, rugged terrain with dendritic drainage pattern
7.	**Availability of baseline geoscience data**	
	Geological Map (1:50K/25K)	Available
	Geochemical Map	Available
	Geophysical Map (Aeromagnetic, ground geophysical, Regional as well as local scale GP maps)	To be purchased from DGH
8.	**Justification for taking up Preliminary Exploration**	Justification for taking up the investigation for RMT block: • Strategically identification of high-potential zones for mineral prospecting across large geological terrains by integrating geological, geophysical, geochemical, and remote sensing data to precisely identify the promising areas for exploration. • Tungsten is enriched in alkali/deformed granites, laterite (Darugiri & SW Naringgiri), and calc-silicate bands near the Nongchram fault (south of Rongjeng). High tREE occurs in western kaolinized alkali granite, porphyritic granite north of Naringgiri, and eastern granite along the fault. These fault zones correlate with higher REE. U, Cs, Ta, and Nb concentrate in biotite gneiss, various granites, and mafic intrusives along the NE–SW Dobu fault. Three mineralized zones are delineated around Naringgiri, Darugiri, and Rongjeng. • Soils over charnockite and porphyritic granite show strong REE enrichment in the C horizon (up to ~2,200 ppm), dominated by Ce

		and Y, with allanite and zircon present. Minor gold (50–60 ppb) and sulphides were noted at Nongjyllieh. • The ore is hard and massive—mainly magnetite, hematite, ilmenite, with minor goethite and silicates. Coarse magnetite is often altered to martite (hematite after magnetite), while red streaks suggest hematite, and goethite appears in weathered zones. • Plane-table mapping and trenching revealed a quartz-sillimanite schist band on the western slope of Range River valley, trending N50°E/55°W with a 70° SE dip, extending over ≈1,200 × 6,000 m.