

Exploration Agency: **ENGEOTECH CONSULTANT**

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	Features	Details
	Block ID	Amanganj-Gunnor-Pawai Limestone Block
	Exploration Agency	Engeotech Consultant
	Previous Exploration Agency	None
	Previous Stage Geological Report	NA
	Commodity	Limestone
	Mineral Belt	Nagod Limestone belt of Bhander Group, belonging to Vindhyan Super Group of Rocks of Neo-Proterozoic age.
	Completion Period with entire Time schedule and cost	Time: 10 months & Project Cost: 86.22 Lacs
	Objectives	<div>1. To carry out Topographical survey and Geological mapping on 1:12,500 Scale for demarcation of Limestone band for mineralization with the structural features to identify the surface manifestations and lateral disposition of the mineralized zones.</div> <div>2. Demarcation of various types of Limestone bands in the area along with detailed lithology to identify occurrence of Limestone within it.</div> <div>3. To collect Geochemical samples (bedrock, old pits, cuttings etc.) and analyze them for Limestone to pave way for further course of exploration program.</div> <div>4. To know the depth wise and lateral continuity of the mineralization.</div> <div>5. Attempt to delineate a block or more than one block to upgrade investigations in G3 Stage.</div>
	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	The Project shall be carried out In-house by Engeotech Consultant
	Name/ Number of Geoscientists	02 (Anil Kumar Dawande and Anand Raikwar)
	Expected Field days (Geology) Geological Party Days	180-man days
1.	Location	
	Latitude and Longitude	<div>LATITUDE</div> <div>24° 21' 26.0255" N80° 06' 42.4022" E</div> <div>24° 22' 06.5686" N80° 13' 23.2597" E</div> <div>24° 21' 58.8455" N80° 16' 04.3858" E</div> <div>24° 22' 00.9355" N80° 16' 16.1751" E</div> <div>24° 22' 39.6245" N80° 17' 46.0408" E</div> <div>24° 26' 17.2038" N80° 15' 29.7342" E</div> <div>24° 26' 02.7420" N80° 15' 04.6379" E</div> <div>24° 24' 22.1504" N80° 09' 58.5946" E</div> <div>24° 23' 32.7854" N80° 08' 36.2598" E</div> <div>24° 22' 28.5068" N80° 06' 09.7290" E</div>
	Villages	Chaura, Maheba, Patna Kalan, Sanaura, Puraina, Palka Kalan, Palka Khurd, Bakulaha, Imalia, Madha, Majhyari Kalan, Salgadha, Patna Khurd, Khalpura, Khamaiya etc.
	Tehsil/ Taluk	Amanganj, Gunnor & Pawai
	District	Panna

	State	Madhya Pradesh
2.	Area (hectares/ square kilometers)	
	Block Area	93.13 km ² / 9313 Ha
	Forest Area	Nil
	Government Land Area	Details to be obtained
	Private Land Area	Details to be obtained
3.	Accessibility	
	Nearest Rail Head	Khajuraho on Khajuraho-Mahoba Section of West Central Railway Madhya Pradesh. Distance 52 Kms
	Road	NH-943 - connecting Nagod and Pawai
	Airport	Khajuraho Airport - 53 kms
4.	Hydrography	
	Local Surface Drainage Pattern (Channels) / Rivers/ Streams	Dendritic. Ken and Mirasan are main rivers, whereas Patni and Gurne are tributaries of these river. All are perennial rivers.
5.	Climate	
	Mean Annual Rainfall	1182.9 mm approx.
	Temperatures (December) (Minimum)	The temperature in December and January sometimes drops up to 4°C during night, while summer is severely hot with temperatures ranging between 38°C to 45°C in the months of May and June.
	Temperatures (June) (Maximum)	
6.	Topography	
	Toposheet Number	63D/3 and 63D/7
	Morphology of the Area	Topography is mostly flat with agricultural field and undulating topography in river valley with highest RL of 335 m near SW part and lowest RL of 318 m near eastern part. General slope is from SW to East direction.
7	Availability of baseline geosciences data	
	Geological Map (1:50K/ 25K)	1:2,50,000 Scale map is available (DRM)
	Geochemical Map	-
	Geophysical Map	-
8.	Justification for taking up G-3 or G-2 Stage mineral Exploration	<p>In Panna-Damoh districts of M.P. occurrence of Limestone was reported by Meddlitot (1859) followed by Rajarajan (1978) and S. Chakraborty and P.K. Nanda (1982-83). Further In Panna Dist. of M.P. occurrence of Limestone has also been reported by G.S.I. in District Resource Map as N60o-E-S60oW bands. So far, very little work has been done on the occurrence of Limestone of the area and very little mining activity of Limestone has been reported in the area.</p> <p>Further, Western extension of Nagod Limestone belt is found in the Panna district. In Panna district plenty of outcrops of Limestone of Nagod Formation have been noticed starting from Gunnor, Amanganj and Pawai tehsil in Panna district in East direction and continues up to Patharia in Damoh district in West direction. Proposed Amanganj-Gunnor-Pawai Limestone Block is situated in middle part of this belt. Following contiguous mining leases and Limestone Blocks are situated around present Amanganj-Gunnor-Pawai Exploration Block-</p> <ol style="list-style-type: none"> 1. Kakra-Panna Limestone (1594.34Ha) ML, district Panna (M.P.), M/s JK Cement Limited. 2. Koni - Simaria Limestone (3095.23Ha ML, district Panna (M.P.), M/s JK Cement Limited.

	<p>3. Kolkariya Limestone (499.641Ha) ML, district Panna (M.P.), M/s Springway Mining Pvt. Ltd</p> <p>4. Kanaktala Limestone Block for G4 exploration by GSI, district Damoh (M.P.)</p> <p>5. Nimarmunda Limestone Block, in Damoh district exploration under G2 level completed by DGM, M.P.</p> <p>6. Gunnor G4 Block district Panna (M.P.)</p> <p>7. Beli - Maheba Limestone Mines of M/s Eco Cements district Panna (M.P.)</p> <p>Above Mining Leases are mostly for Captive purpose for Cement manufacturing and exploration has been carried out in these mining leases. Present Amanganj-Gunnor-Pawai G4 Limestone Exploration block in which large number of outcrops of Limestone are present, was lying unexplored. In view of above it is necessary to carry out exploration under Minerals (Evidence of Mineral Contents) Rules 2015 under G4 Stage.</p>
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