

### 3. Preliminary Exploration for (G3 Stage) Limestone in Govindpara-Savni Block, Gir Somnath District, Gujarat

[Implementing Agency- CGM Gujarat]

	Features	Details			
	Block ID	CGM/NMET/Limestone/09/2024-25			
	Exploration Agency	Commissioner of Geology & Mining, Gujarat			
	Previous Exploration Agency	Commissioner of Geology & Mining, Gujarat			
	Previous Stage Geological Report	<p>U. D. G. Rao, 1965-66 had recommended that by virtue of Limestone deposit occurrence in the form of low ridges and mounds, these limestone deposits are eminently suited for economic exploration, by the simplest methods of quarrying. Other factors such as roads, transport facilities, availability of water and labor etc. present and can be arranged within reasonable costs, for the commercial exploration of any group of patches in the region examined.</p> <p>The area under exploration has proved good reserves of Milliolitic limestone and quality of limestone is very good and can support a large size soda ash/cement plant or precipitated calcium carbonate plant. (D.D Patel &amp; B.A. Amin 1984-1985 &amp; 1986-1987).</p>			
	Commodity	Limestone			
	Mineral Belt	Miliolite Formation			
	Completion Period with entire Time schedule and cost	<p>06 months (Review : After 3 months)</p> <p>47.90 lakhs</p>			
	Objectives	To assess & identify qualitative and quantitative mineral resource of Limestone mineral at G3 stage in the proposed block area.			
	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 entire work will be carried out through Gujarat Mineral Research & Development society (GMRDS) working under Industries & Mines Department Government of Gujarat.			
	Name/ Number of Geoscientists	Geologist: 1 (Field) + 1(HQ)			
	Expected Field days (Geology) Geological Party Days	<p>60 days: Field Geologist</p> <p>30 days: HQ Geologist</p> <p>20 days: Surveyor</p>			
1.	Location				
	Latitude and Longitude	Block corner points	Latitude	Longitude	
		1	20°56'44.3 0"N	70°25'34.8 6"E	

		2	20°56'55.3 9"N	70°24'34.3 4"E
		3	20°58'22.0 5"N	70°25'44.5 8"E
		4	20°57'54.5 7"N	70°26'22.3 6"E
	Villages	Govindpara, Eraj, Savni		
	Tehsil/ Taluk	Veraval		
	District	Gir Somnath		
	State	Gujarat		
<b>2.</b>	<b>Area (hectares/ square kilometers)</b>			
	Block Area	445 Hectares		
	Forest Area	Nil		
	Government Land Area	NA		
	Private Land Area	NA		
<b>3.</b>	<b>Accessibility</b>			
	Nearest Rail Head	Veraval railway station – 7.00 km		
	Road	NH 51 – 4.00 km		
	Airport	Diu airport – 58.00 km		
<b>4.</b>	<b>Hydrography</b>			
	Local Surface Drainage Pattern (Channels) / Rivers/ Streams	Sub-parallel Pattern,  Small nallas presents in the area.		
<b>5.</b>	<b>Climate</b>			
	Mean Annual Rainfall	824 mm		
	Temperatures (December) (Minimum)	Minimum – 16° C		
	Temperatures (June) (Maximum)	Maximum – 43° C		
<b>6.</b>	<b>Topography</b>			
	Toposheet Number	41L/5		
	Morphology of the Area	The proposed area is generally covered by dry barren and agricultural fields. The topography of the proposed region is looking gently slope toward North - south-west direction. The elevation of the area ranges from 35mts to 49 mts above mean sea level.		
<b>7</b>	<b>Availability of baseline geosciences data</b>			
	Geological Map (1:50K/ 25K)	Plate-1		
	Geochemical Map	Not available		
	Geophysical Map	Not available		
<b>8.</b>	<b>Justification for taking up G-3 or G-2 Stage mineral Exploration</b>	A part of the nearby area was previously explored by CGM through drilling in 1984-85 & 1986-87 which prove positive result of limestone, so this		

		<p>area can be studied to evaluate the extent and quality of limestone reserves in the proposed area.</p> <ul style="list-style-type: none"> <li>CGM have collected 06 grab samples during the recent geological travers survey of CGM / GMRDS geologist, the analysis results of these samples indicated Cao% from 47.55% to 53.52%.</li> </ul> <p>Lithology of the target area have milliolic limestone/fossiliferous Limestone deposit, these deposits have very less overburden and occurred in form of low ridges and low mounds. So, it can be easily minable deposit.</p> <ul style="list-style-type: none"> <li>Exploration increases the level of confidence on quantity and quality of reserve/ resource which will attract the investors. Hence based on the lithology and previous exploration report, the block is suggested for G3 level of exploration for limestone.</li> </ul>
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