

Project Summary of the Block for G3 stage exploration

[Implementing Agency: M/s. PRB Infra projects Private Limited]

	Features	Details
	Block ID	Ishwariya Limestone Block
	Current Exploration Agency	PRB Infraprojects Pvt Ltd
	Previous Exploration Agency	GSI and Commissioner of Geology and Mining (CGM), Gujarat
	Previous Geological Exploration Report	<ul style="list-style-type: none"> ➤ GSI has carried out Preliminary Appraisal of Limestone in Coastal areas of Saurashtra, Gujrat for the selection of targets of limestone suitable for SMS, BF and chemical grade and has reported occurrence of good quality of limestones in the, Gaj and Miliolite formations. (Report by Dr. Manas Roy Chowdhury, 1997-98) ➤ The Commissioner of Geology and Mining (CGM), Gujarat has carried out geological exploration working this area (1997-98) & (2010-11)..
	Commodity	Limestone
	Mineral Belt	Gaj Formation
	Completion Period with entire Time Schedule and Cost	Completion Period --- 10 Months Project Cost --- - 70.43 Lacs
	Objectives	<ol style="list-style-type: none"> 1. Geological mapping in 1:4000 scale to delineate the surface outcrops of Limestone. 2. Systematic collection of Bed Rock samples and analysis. 3. To drill 3 Nos. of boreholes as per MEMC rules 2015 (Being varying thickness of the deposit) to decipher depth persistence and subsurface continuity of bedded deposits. 4. To estimate the in-situ resource of Limestone for G4 stage of exploration and preparation of Geological Report (GR). 5. Carry out mineral exploration works as per Minerals (Evidence of Mineral Contents) Rule-2015, Mineral (Auction) Rules-2015 and MMDR Amendment act-2015. In turn to facilitate the Government of Gujarat in auctioning of the block.
	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	Entire work shall be Carried out by M/s PRB Infraprojects Pvt. Ltd. (In house)
	Name/Number of Geoscientists	Two Geologist (2G) & Surveyor (1)

	Expected Field days (Geology)	a. Geologist:180, Field Days+60 HQ Days b. Surveyor – 60 days		
1.	Location			
	Latitude / Longitude	Ishwariya Block Area		
		BP No.	Latitude	Longitude
		A	20°55'9.01"N	70°30'14.18"E
		B	20°55'28.13"N	70°29'31.20"E
		C	20°55'55.70"N	70°28'59.63"E
		D	20°56'34.98"N	70°29'30.11"E
		E	20°55'53.40"N	70°30'23.81"E
	Villages	Indori, Nakhara, Bolas		
	Tehsil / Taluk	Patan, Veraval		
	District	Gir Somnath		
	State	Gujarat		
2.	Area(hectares/square kilometers)			
	Block Area	3.43 sq.km		
	Forest Area	Nil		
	Government Land Area	15 - 20% Fallow land/ Stoney waste		
	Private Land Area	80 - 85% Agricultural/Revenue land		
3.	Accessibility			
	Nearest Rail Head	Veraval		
	Road	NH51-adjacent to the block area		
	Airport	Diu Airport– 60km from Somnath		
4.	Hydrography			
	Local Surface Drainage Pattern (Channels)	The drainage pattern is sub-dendritic in general		
	Rivers / Streams	No perennial river / streams present in the Proposed block area however southerly flowing Hiran river passes from west of Ishwariya and westerly flowing Saraswati passes from south of Ajotha village		
5.	Climate			
	Mean Annual Rainfall	1002 mm		
	Temperatures (December)(Minimum) Temperatures (June) (Maximum)	Minimum-7°C Maximum-44°C		
6.	Topography			
	Toposheet Number	41F/04 and 41F/08		
	Morphology of the Area	The area lies along the coastal region of Saurashtra Peninsula. Most of the area is almost flat dotted with small mounds, generally less than five meter high		
7.	Availability of baseline geosciences data			
	Geological Map (1:50K)	Attached (refer Plate No.-IV)		
	Geochemical Map	Not Available		
	Geophysical Map (Aero geophysical, Ground geophysical, Regional as well as local scale GP maps)	Not Available		

8.	Justification for taking up G4stage mineral exploration	<p>1.) The NOC has been given by CGM Gujarat.</p> <p>2.) The area comprises of Miliolite Formation in which limestone has been reported in many areas. Around Six limestone leases are present in the vicinity of the proposed block. The chemical analysis of the grab samples indicated the average CaO percent of 62.42% and average SiO₂ is 10.2%. Some Drilling work has been done and CGM recommended to continue further exploration work (CGM.FS1985-86 by Jain and FS2002-03 by Kapse S D.)</p> <p>3.) GSI has carried out Preliminary Appraisal of Limestone in Coastal areas of Saurashtra area for limestone suitable for chemical grade in the FS 1997-98 and has reported occurrence of good quality of limestone in the Dwarka, Gaj and Miliolite formation. (Report by Dr. Manas Roy Chowdhury).</p> <p>4) In the 8th TCC-II meeting held on 28th & 29th April-2025 DPR is approved by the Hon'ble TCC members.</p>
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