

	राजस्थान राजपत्र विशेषांक	RAJASTHAN GAZETTE Extraordinary
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उप-खण्ड (I)

राज्य सरकार तथा अन्य राज्य-प्राधिकारियों द्वारा जारी किये गये (सामान्य आदेशों, उप-विधियों आदि को सम्मिलित करते हुए) सामान्य कानूनी नियम।

Mines and Petroleum (Gr-II) Department

Notification

Jaipur, October 08, 2023

G.S.R.156 .-In exercise of power conferred under Section 11 of Mines and Mineral (Development and Regulation) Act, 1957 (as amended from time to time), the State Government hereby notify the following Garnet block for the grant of Composite License as per the provisions of the Mineral Auction Rules, 2015 (as amended from time to time) with following conditions as prescribed by office memorandum no. 3/10(98)2022-PSU/4592 dated April 5, 2023 of Department of Atomic Energy, GoI:-

1. The surface/channel/pit/trench/borehole samples generated during detailed exploration from the proposed block shall invariably be analysed for Uranium and Thorium by the licensee/lessee and the results may be incorporated in the prospecting report.
2. The licensee/lessee shall permit officers of AMD, if required, to inspect/investigate the area to confirm mineralization of atomic Minerals, if any.
3. In the case of discovery of any atomic Minerals consequent to exploration/mining, the licensee/lessee shall comply with the provisions of MMDR act, 1957 and the rules made thereunder in the interest of atomic minerals, in particular to rule 64 "geophysical data to be supplied to GSI and DAE and Rule 65 "Special provisions relating to Atomic Minerals" of AMCR, 2016.
4. In the case of discovery of any Atomic Minerals, further mineral concessions shall be subject to assessment of the threshold as per provisions of AMCR, 2016.
5. The compliance with the provisions of the MMDR Act, 1957, Atomic Energy Act, 1962 and the rules/guidelines framed/notified there under.

The co-ordinates of Garnet block are as follows:-

- 1- SakariyaKaKhera Block, Tehsil & District - Bhilwara (Raj) for Garnet, Area – 122.27 Hectares

Pillar No.	Latitude	Longitude
A	25°26'16.41"N	74° 47'49.52"E
B	25°26'16.48"N	74° 48'37.21"E
C	25°25'38.27"N	74° 48'21.97"E
D	25°25'38.23"N	74° 47'55.12"E

[No. F3(31)Mines/Group-2/2015-PART-5]

By Order of the Governor,

Neetu Barupal,
Joint Secretary to Government.

Government Central Press, Jaipur.

**SUMMARY OF THE SAKARIYA KA KHERA COMPOSITE LICENSE BLOCK
FOR MINERAL GARNET
PART A- GENERAL INFORMATION ABOUT MINERAL BLOCK**

S. No.	Features	Details																																																
1	Location	N/v Sakariya Ka Khera Tehsil & District Bhilwara																																																
	Mineral Block	Garnet block																																																
	Corner Points (Latitude, Longitude)	Pillar no.	Latitude	Longitude																																														
		A	25°26'16.41"N	74°47'49.52"E																																														
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		D	25°25'38.23"N	74°47'55.12"E																																														
	Villages	Sakariya Ka Khera																																																
	Tehsil/Taluka	Bhilwara																																																
District	Bhilwara																																																	
State	Rajasthan																																																	
2	Area (hectares/square kilometres)	122.27 Hect.																																																
	Mineralised Area	As per Geological Mapping :- 86.330 hectare																																																
	Non-mineralised Area	35.94 hectare																																																
3	Exploration																																																	
	Status (G2/G3/G4 etc.)	G-4																																																
	Exploration Agency	M/s Earthmin The Enterprises carried out exploration.																																																
	Total Number of Boreholes with meterage	Previously exploration carried out by 4 prospecting pits, two long trenches and four auger drills of depth up to 3.3 m in the block area. The details is follows :- <table><tr><th>Pit no.</th><th>Length</th><th>Width</th><th>Depth</th><th>Lithology</th></tr><tr><td>TP-1</td><td>4 m</td><td>1m</td><td>1.85m</td><td>Garnet is observed upto pit bottom.</td></tr><tr><td>TP-2</td><td>3.5m</td><td>1.2m</td><td>1.75m</td><td>Garnet is observed up to pit bottom.</td></tr><tr><td>TP-3</td><td>4m</td><td>1m</td><td>2m</td><td>Garnet is observed up to pit bottom.</td></tr><tr><td>TP-4</td><td>3m</td><td>1m</td><td>2m</td><td>Garnet is observed up to pit bottom.</td></tr><tr><td>TP-5</td><td>3m</td><td>1m</td><td>2m</td><td>Mineral not observed</td></tr><tr><td>TP-6</td><td>3m</td><td>1m</td><td>2m</td><td>Mineral not seen only traces observed</td></tr><tr><td>TP-7</td><td>3m</td><td>1m</td><td>2m</td><td>Mineral not seen only traces observed</td></tr><tr><td>TP-8</td><td>3m</td><td>1m</td><td>2m</td><td>Mineral not seen only traces observed</td></tr></table>					Pit no.	Length	Width	Depth	Lithology	TP-1	4 m	1m	1.85m	Garnet is observed upto pit bottom.	TP-2	3.5m	1.2m	1.75m	Garnet is observed up to pit bottom.	TP-3	4m	1m	2m	Garnet is observed up to pit bottom.	TP-4	3m	1m	2m	Garnet is observed up to pit bottom.	TP-5	3m	1m	2m	Mineral not observed	TP-6	3m	1m	2m	Mineral not seen only traces observed	TP-7	3m	1m	2m	Mineral not seen only traces observed	TP-8	3m	1m	2m
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		TP-9	3m	1m	2m	Mineral not seen only traces observed										
		PT-1	85m	2m	2m	Garnet is observed up to pit bottom.										
		PT-2	300m	2m	1.75m	Garnet is observed up to pit bottom.										
		PT- 3	58 m	2m	1.9m	Garnet is observed up to pit bottom.										
		AD-1	0.3 m dia			Garnet is observed up to auger bore depth.										
		AD-2	0.3 m dia			Garnet is observed up to auger bore depth.										
		AD-3	0.3 m dia			Garnet is observed up to auger bore depth.										
		Borehole Spacing (Density)		Vertical Auger drills were used in the block area to drill the holes at a depth of 3.3 m (10 feet). The location of the auger drills is as below.												
<table><tr><td>Auger drill no.</td><td>Depth</td><td>mRL</td></tr><tr><td>AD-1</td><td>3.3 m</td><td>385 mRL</td></tr><tr><td>AD-2</td><td>3.3 m</td><td>384 mRL</td></tr><tr><td>AD-3</td><td>3.3 m</td><td>383 mRL</td></tr></table>					Auger drill no.	Depth	mRL	AD-1	3.3 m	385 mRL	AD-2	3.3 m	384 mRL	AD-3	3.3 m	383 mRL
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AD-2	3.3 m	384 mRL														
AD-3	3.3 m	383 mRL														
4	Quantity of Minerals (Grade wise)															
	Mineral	Garnet														
	Total Geological Resources	Total estimated quantity of mineral resources garnet deposit of Sakariya Ka Khera Garnet Block is <ul style="list-style-type: none">➤ Total estimated quantity of mineral resources of Alluvium = 1990000 tones and Rock hosted garnet =10540000 tones➤ Gem Garnet = 0.15% of total resources of Rock hosted i.e of 10540000 tones = 15811.906 tones (as per approved plan of ML 02/1993 chapter no 2 A-b)➤ Total Abrasive Alluvium and Rock hosted Garnet = 1990000 + 10524188.094 tones = 12514188.094 tones➤ Total estimated quantity of mineral resources of garnet = (Gem variety garnet deposit + Abrasive garnet) = 12.53 million tones.														

5	Mineralised Zones	
	Number of Mineral Zones	Garnet is hosted in garnetiferous schist/gneiss and with top soil. Mostly block area is covered with soil. The host rock garnetiferous schist/gneiss is observed in well sections.
	Trend (Dip and Strike)	General trend of the Garnet mineralisation in the block area is NNE-SSW and dip is about 80°.
	Total Thickness	The depth of garnet mineralized zone is considered in alluvial garnet deposit is 3.3 m and rock hosted garnet deposit is 22 m as per approved plan of nearby ML 02/1993.
6	Accessibility	
	Nearest Rail Head	Nearest Railway Station at Bhilwara which is about 25Km SW of the block.
	Road	The area may be approach to Sakariya Ka Khera via Sanganer- Bara Mahua, and the block area is about 1.7 km SE of village of village Sakariya Ka Khera and village Sakariya Ka Khera is about 23 km from Bhilwara.
	Airport	Dabok, the nearest airport is about 170 km. away from the area.
7	Hydrography	
	Local Surface Drainage Pattern (Channels)	Fresh water generally available in wells. Kothari River is about 9Km away towards South from the block & One seasonal stream of 830m length is passing.
	Rivers/Streams	Kothari river
8	Climate	
	Mean Annual Rainfall	400 mm average/annually
	Temperatures (December)	10 ⁰ C
	Temperatures (June)	48 ⁰ C
9	Topography	
	Toposheet Number	45 K/15
	Morphology of the Area	<p>The area has almost plain topography. The mean daily maximum temperature in these months is about 39°C and mean daily minimum temperature in these months is 27°C. The maximum temperature goes to 48°C on some days. After mid Nov. the temperature drops rapidly till January, means daily temperature is around 23°C and minimum at 10°C so May and June are the hottest months and December and January are the coldest. Average rainfall in the Distt. remains between 375mm to 425mm.</p> <p>Relief of the area with minimum 382m and maximum 385.25m MSL.</p>

**PART B- PARTICULARS OF STATUTORY LICENSES, PERMITS, PERMISSION,
CONCESSIONS, APPROVAL AND CONSENTS RELATED
TO MINING OPERATIONS**

S. No.	Particulars	Details/Status
1	Forest Clearance	To be obtained by successful Bidder
2	Wildlife Clearance (Sanctuary, reserve or special zone Clearance)	
3	Environment Clearance	
4	Mining Plan Approval	
5	Consent to Establish	
6	Explosive license	
7	Permission for mine opening	
8	Permission of installation/trail operation of equipment	
9	Ground water Clearance	
10	Railway siding approval	
11	Approval for diesel storage	
12	Power line from State Discom	
13	Clearances relating to work under an existing transmission line or shifting of the transmission line	
14	Grama Sabha Consent	
15	Any other Clearance to start mining operation	

PART C- PARTICULARS OF LAND

S. No.	Land Type	Area (in hectares)
1	Total Concession Area	122.27
2	Forest land with Status	NIL
3	Government land with Status	28.66
4	Private Land with Status	45.51
5	Charagah/Pasture Land	48.10
6	Revenue Survey details of the area	Available

Note:

- The cadastral Khasra detail of the block verified by concerned Patwari & Tehsildar is enclosed with the report.
- Total area has been calculated based on area falling within the coordinates but when superimposed on revenue map, slightly it may differ being both on different projections, one is spherical and other is linear.
- The land classification has been provided for facilitation to the Bidders and for the purpose of information only. The bidders have to acquire latest revenue survey details as its own