

**INFORMATION REQUIRED IN SCHEME OF PROSPECTING**  
**(RULE 4 OF MCDR, 1988)**

<b>1.</b>	<b>PARTICULARS OF THE PROSPECTING LICENCE</b>	
	(i)	Name of mineral/minerals.
	(ii)	Name of the licensee.
	(iii)	Postal address of the licensee with Telephone/Fax No.
	(iv)	In case licensee is a Company/Partnership firm/Cooperative, please indicate: Name & address of the Director-in-Charge/Managing Director/Managing Partner, address of the registered office, Telephone/Fax, Email, etc.
	(v)	Total area under prospecting license, separately for forest and/non-forest (in hectares).
	(vi)	Date of Grant with period and date of execution.
	(vii)	Details on surface rights/forest clearance. In case of forest land, specific permission from the forest department.
	(viii)	Survey of India Toposheet No.
	(ix)	Geographical co-ordinates (latitude & longitude), preferably geo-referenced.
	(x)	Cadastral survey or Khasra no./Village/Post office/Police station /Taluka /District/State.
	(xi)	Accessibility (name and distances from major towns and utilities), climate, physiography, local resources, infrastructure etc. A map showing, PL area, individual land titles, utilities, roads, town etc. shall be incorporated in this section.
<b>2.</b>	<b>EXPLORATION PROPOSALS (YEAR-WISE)</b>	
	Mineral exploration proposals (scale of topographic and geological map, spacing of drill holes/sub-surface data, sampling intervals etc.) shall be made in such a way that a part of mineralized area is explored under G1 & G2 level in line with UNFC guidelines under Rule 45(1)(c) of MCDR, 1988, enabling to support the quantitative and qualitative conclusions for preparation of Mining Plan document under Rule 22 of MCR, 1960, if ML is pursued.	

	(i)	Summarize previous geological work in the area, if available. Topographic survey (with type of survey instruments) & Geological mapping - area to be covered and other activities on a plan with appropriate scale of mapping and contour interval.
	(ii)	Geophysical survey/prospecting, if proposed - type of survey and total area to be covered.
	(iii)	Geochemical survey/prospecting, if proposed - type of survey, and area to be covered.
	(iv)	Pitting- No. of pits with dimensions.
	(v)	Trenching – No. of trenches with dimensions and quantum of excavation.
	(vi)	The density of the exploration data shall be critically assessed in the context of the regional geological set-up vis-à-vis nature and size of mineralization. The drilling method selected shall be appropriate to the mineral being investigated, the objective of the program and local drilling conditions. Indicate priority targets for drilling, GPS co-ordinate shall be recorded for all drill hole locations, drilling method/type of drilling (Core/RC/DTH) and particulars of drill rigs (type, make & capacity), drilling pattern, number of boreholes, hole depths with level of intersection, angle and azimuth. The drill hole size selected shall provide sufficient representative sample material for analysis and reference. Representative fraction of the drill samples shall be retained, however if not, the reason for this decision. A photographic record of the core, where appropriate. Borehole is to be plugged and shall be visible with surface demarcation. Representative photographs of drill & camp sites shall be taken before, during and after the activities.
	(vii)	Exploratory Mining - opencast/ underground with details.
	(viii)	Total quantity of mineral/material proposed to be excavated during PL period.
	(ix)	Method & type and sample collection (hand, grab, trench, channel/chip, drill core /DTH hole, bulk sample etc.), no. of samples with quantity. Sample preparation procedures to ensure that the results are representative.
	(x)	Data on physical, mineralogical and chemical characteristics of ore and waste. Analytical method & radicals/elements to be analyzed. Analysis and testing of samples shall be done by a reputable and preferably, government or NABL accredited laboratory, qualified for the particular material to be analyzed.

	(xi)	Reserve/resource assessment – reporting of reserves/resources are to be in UNFC system mentioning inputs like cut-off grade, threshold values, tonnage factor, method of estimation etc.
	(xii)	In case of radiometric instruments are used, make available all radiometric data to the Atomic Minerals Directorate.
	(xiii)	Beneficiation studies – lab/bench scale.
<b>3.</b>	<b>DETAILS OF EXPLORATION AGENCY</b>	
	(i)	Name and address of Exploration agency (please mention, if listed with IBM).
	(ii)	Particulars of technical persons employed under Rule 42(1)(a) of MCDR, 1988.
<b>4.</b>	<b>PROTECTION OF ENVIRONMENT</b>	
	(i)	Baseline information of prevailing environmental conditions before the beginning of prospecting operation on land use pattern / topography / water regime / Flora / fauna / Human settlement, any other prevailing environmental features, which may be affected due to proposed exploration.
	(ii)	Steps proposed to be taken for protection of environment - Prevention of air and water pollution, plantation, other measures for minimizing the adverse effect of prospecting operations on the environment.
<b>5.</b>	<b>PRE-FEASIBILITY/FEASIBILITY STUDY FOR THE MINERAL RESERVES (BASED ON GEOLOGICAL ASSESSMENT)</b>	
<b>6.</b>	<b>INVESTMENT FRAMEWORK</b>	
	Item-wise and year-wise, commitment to a minimum expenditure proposed to be incurred in various prospecting activities.	
<b>7.</b>	<b>LIKELY DATE OF COMMENCEMENT OF PROSPECTING OPERATION</b>	
<b>8</b>	<b>CERTIFICATE OF UNDERTAKING FOR COMPLIANCE OF RULE 47 AND 48 OF MCDR, 1988</b>	