

FORMAT FOR SCHEME OF PROSPECTING

(See sub-rule 1 of Rule 4 of Mineral Conservation & Development Rules, 2017)

1	Particulars of the prospecting licence / prospecting operations undertaken by agency under second proviso to Section 4(1) of the MMDR Act, 1957 (hereinafter referred as the Act).	
A	(i)	Type of mineral concession: (tick mark whichever is applicable) (a) Prospecting Licence (PL) (b) Prospecting operations undertaken by agency under second proviso to Section 4(1) of the Act.
	(ii)	Name of mineral(s) for which PL is granted / Prospecting operations undertaken by agency under second proviso to Section 4(1) of the Act.
	(iii)	Name of the licensee / prospecting agency under second proviso to Section 4(1) of the Act: (a) Postal address with Pincode: (b) Telephone number (Office): (c) Fax number (Office): (d) Mobile No: (e) Telephone Number (Residence): (f) E-Mail id:
	(iv)	In case licensee / prospecting agency under second proviso to Section 4(1) of the Act, is a Company/Joint Venture with the State Govt., then indicate: (a) Name of Director-in-Charge/Managing Director/Managing Partner: (b) Postal address with Pincode: (c) Telephone number (Office): (d) Fax number (Office): (e) Mobile No.: (f) Telephone Number (Residence): (g) E-Mail id:
B	(i)	Date of issue of order for grant or issue of letter of intent for PL/Notification to undertake prospecting operations by agencies under second proviso to Section 4(1) of the Act [see rule 4 of AMCR, 2016]:
	(ii)	Date of execution of PL / registration of PL / commencement of prospecting operations by the agencies under second proviso to Section 4(1) of the Act:
	(iii)	Period of licence / Notification issued by the State Government to undertake prospecting operations by agencies under second proviso to Section 4(1) of the Act: (a) Years: (b) From _____ To _____
	(iv)	Area of PL / prospecting operations undertaken by agency under second proviso to Section 4(1) of the Act (Ha/sq km): (a) Forest: (b) Non Forest Government land: (c) Non Forest private land: (d) Total:
	(v)	Survey of India Toposheet number(s):

	(vi)	Geographical co-ordinates (latitude & longitude in Deg. Min. Sec. format in WGS 84 system and/or UTM co-ordinates) of all the boundary corner points of the area granted: (As per Annexure I)
	(vii)	(a) District(s) of the area: (b) Taluka(s) of the area: (c) Village(s) of the area:
	(viii)	In case of forest land, following details to be given:- (a) Forest Division, Block and Range/ Compartment No(s): (b) Legal status of the forest (reserved/ protected/ unclassified etc.): (c) Whether the area forms part of a National Park or Wild Life Sanctuary : Yes/No (d) Specific permission from the Forest Department for carrying out exploration obtained : Yes/No (e) If yes, then letter No. _____ Date _____ (f) Indicate the purpose for which the permission is granted:
	(ix)	Cadastral details (may be attached separately as Annexure II to the scheme giving individual khasra number, village, district, name of owner, type of land, area of each land parcel)
	(x)	Accessibility to the area from the nearest district headquarters:
c	(i)	Details of the technical personnel (Geologist and/or Mining Engineer) employed if any: (Information to be given separately for each employee) (a) Name: (b) Qualification: (c) Name of University/College: (d) Year of passing: (e) Experience: (f) Designation:
2	Previous Exploration Work	
	(i)	Name and address of prospecting agency / permit holder / licensee involved in the exploration of the area with year and period of exploration (if more than one agency is involved, details of each agency may be given separately):
	(ii)	Indicate whether the previous exploration report is available with the applicant : Yes/No (if yes, then a copy of the same may be enclosed with the scheme)
	(iii)	Brief details of the previous exploration work carried out (to be given separately for each exploration agency):
	(iv)	Reserves/ resources estimated during previous exploration work with quantity and grade (category wise):
3	Geology	
	(i)	Physiography / topography of the area detailing relief, highest and lowest RL, drainage pattern, etc.
	(ii)	Regional geology: Brief regional geology of the area outlining the broad geological and structural framework
	(iii)	Local geological setup

4	Exploration Proposal				
	Particulars	1 st year	2 nd year	3 rd year	Total
(i)	Aerial Reconnaissance - Details of aerial reconnaissance proposed if any, including method of reconnaissance survey proposed, line km, area (Ha/sq km) proposed to be covered under various types of surveys:				
(ii)	Topographical Survey and Geological mapping (a) Scale: (b) Area to be covered: (Ha/sq km)				
(iii)	(a) Ground geophysical survey/prospecting, if proposed then indicate type of survey(s), grid / number of probe points and total area to be covered (Ha/sq km) for each type of survey: (b) Details of radiometric instruments proposed to be used, if any (all radiometric data to be made available):				
(iv)	Geochemical survey / prospecting, if proposed, then indicate grid, type of sampling, number of samples to be drawn and area to be covered (Ha/sq km):				
(v)	Pitting: No. of pits with dimensions (m):				
(vi)	Trenching: No. of trenches with dimensions (m) and quantum of excavation (m ³):				
(vii)	Drilling: (a) Type of drilling (Core/Non-core/Dormer/Sonic - inclined/vertical): (b) No of boreholes: (c) Grid (m x m): (d) Quantum of drilling proposed (m): (e) Potential mineralised area to be covered (Ha/sq km): (f) Level of exploration envisaged as per Schedule-B of AMCR, 2016: (g) Type of borehole logging proposed (litho / geophysical logging), if any:				
(viii)	Exploratory Mining, if any: Opencast / underground proposed with details:				
(ix)	Sampling plan indicating number of samples for chemical analysis- (a) Grab/channel/chip/groove samples: (b) Borehole (core/sludge) samples (preferably metre-wise or less as per requirement):				

(x)	Petrological / mineralogical studies: Number of samples to be drawn for petrographic and mineralogical studies				
(xi)	Bulk density / Specific gravity studies proposed, if any: Number of samples to be drawn:				
(xii)	Beneficiation studies proposed, if any, with details (feed size, assay of ROM, ore mineralogy, assay of solid and liquid effluents, recovery of associated metals and minerals etc.):				
(xiii)	Any other activity proposed (specify):				
5	Environmental Setting				
(i)	Baseline information on prevailing environmental conditions before the beginning of prospecting operation: land use pattern / topography / water regime / flora / fauna / human settlement / rainfall and any other prevailing environmental features which may be affected due to proposed exploration:				
(ii)	(a) Steps proposed to be taken for protection of environment – Prevention of air and water pollution, plantation and other measures for minimizing the adverse effect of prospecting operations on the environment: (b) Reclamation proposal to bring back the degraded land due to prospecting to its original use by backfilling of the pits, trenches and securely plugging the boreholes:				
6	Investment framework Item-wise commitment to a minimum expenditure proposed to be incurred in various prospecting activities (in Rupees):				
7	Plates (maps/plates to be enclosed with the scheme) (a) Key plan on scale of 1:50,000 showing the location of the area (b) Cadastral plan or forest survey plan as may be available (c) Surface geological plan (as per scale defined in Part-II, Schedule-B of AMCR, 2016) showing the location of the proposed exploration activities including pitting, trenching, boreholes etc.				
8	List of documents to be enclosed: (a) Copy of LOI / Grant Order / Notification issued by the State Government (b) Information on geographical co-ordinates as per Annexure I (hard copy as well as soft copy) (c) Cadastral details as Annexure II (hard copy as well as soft copy) (d) Copy of permission letter from the Forest Department, if applicable (e) Licence deed (f) Exploration Report (previous), if any				

Note: All pages of documents to be signed with date by the geologist / mining engineer preparing the Scheme

Date
Place

Signature
Name of Licencee / Geologist / Mining Engineer
Designation

Annexure I**Co-ordinates of PL area in WGS84 system (Both hard copy and soft copy in MS Excel)**

Corner points of PL boundary	Latitude	Longitude	UTM-X	UTM-Y	Toposheet No.
	DDMMSS	DDMMSS			

Annexure II**Cadastral details (Both hard copy and soft copy in MS Excel)**

Sl. No.	District	Village	Khasra No.	Type of Land	Area of each land parcel in Ha	Name of owner	Remarks, if any