Guide Line of Mine Plan, Mine Closure Plan, & Scheme of Mining

0.1 General

c) Name of applicant/lessee

<table>
<thead>
<tr>
<th>Address</th>
<th>District</th>
<th>State</th>
<th>Pin code</th>
<th>Phone</th>
<th>Fax</th>
<th>Mobile No.</th>
<th>Email id.</th>
</tr>
</thead>
</table>


d) Status of applicant/lessee

- Private Individual
- Co-operative Association
- Private Company
- Public Limited Company
- Public Sector Undertaking
- Joint Sector Undertaking
- Other (Please Specify)

C) Mineral(s) which is/are included in the prospecting license (For Fresh grant)

d) Mineral(s) which is/are included in the letter of Intent/lease deed

e) Mineral(s) which the applicant/lessee intends to mine

F) Name of Recognised Person scheme of Mining/Mine Close Plan

<table>
<thead>
<tr>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
<th>Email id</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile No.</td>
<td>Registration No.</td>
<td>Date of Grant/Renewal</td>
<td>Valid upto</td>
</tr>
</tbody>
</table>


2.0  i) List of Annexures
    ii) List of Plates

3.0  LOCATION AND ACCESSIBILITY
    a) Lease Details (Existing Mine)
       Name of mine ............................................... Lat/long of any boundary point ..............
       Date of grant of lease ................................ Period/Expiry Date ..............................
       Name of leaseholder ........................................
       Postal Address ...............................................
       .................................................................
       .................................................................
       Telephone ................................................. Fax ...................................................... email id ........................................ Mobile No. ...........................................
    
    b) Details of applied/area with location map (fresh area/mine)

<table>
<thead>
<tr>
<th>Forest (specify)</th>
<th>Area (ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1- Waste land,</td>
</tr>
<tr>
<td></td>
<td>2- Grazing land,</td>
</tr>
<tr>
<td></td>
<td>3- Agriculture land,</td>
</tr>
<tr>
<td></td>
<td>4- Others (specify)</td>
</tr>
<tr>
<td></td>
<td>Area (ha)</td>
</tr>
</tbody>
</table>

Total lease area/applied area ..........................................................
District & State .............................................................................
Taluka ............................................ Village ............................
Whether the area falls under Coastal Regulation Zone (CRZ)? if yes, details Existence of public road/railway line, if any nearby and approximate distance

Toposheet No. with latitude & longitude of all corner boundary point/pillar

    c) Attach a general location map showing area and access routes. It is preferred that the area be marked on a Survey of India topographical map or a cadastral map or forest map as the case may be. However, if none of these are available, the area may be shown on an administrative map.

4.0  DETAILS OF APPROVED MINING PLAN/SCHEME OF MINING (if any)
    4.1  Date and reference of earlier approved Mp/SOM
    4.2  Details of last modification if any (for the previous approved period) of approved MP/SOM, indicating date of approval, reason for modification
    4.3  Give review of earlier approved proposal (if any) is respect of exploration, excavation, reclamation etc.
    4.4  Give status of compliance of violations pointed out by IBM/District Magistrate/Deptt. Geology and Mining office or other specified person appointed by Government or Director Geology & Mining.
    4.5  Indicate and give details of any suspension/closure/prohibitory order issued by any Government agency under any rule or Court of law
4.6 In case the MP/SOM is submitted for approval of modification, specify reason and justification for modification.

4 - Geology and Reserves

4.1.4 Physiography: The aspects to be looked into are topography of terrain, drainage pattern, vegetation, climate, rainfall data of the area applied/mining lease area.

4.1.5 Geology: Surface geological map with contour interval maximum of 10 meter on a scale of 1:2000/1:1000 may be examined for features detailed below:

VI) Disposition of all lithological units with clear nomenclature and their descriptions.
VII) Contacts of lithounits/rock types traced or inferred.
VIII) Attitudes like strike and dip available in adequate numbers.
IX) Structural features such as joints, folds, faults and their attitudes.
X) Delineation of mineralized/or ore zones with definite demarcation of observed and inferred.

4.1.6 Details of Exploration already carried out.

4.1.3.1 Exploration proposed to be carried out (in case adequate total reserves is not established for the tenure of lease)

4.1.4 Reserve/Resource Estimation:

4.1.4.1 Parameters for estimation:

5.0 Mining:

5.1 Opencast mining:

(i) Existing method of Mining
(ii) Proposed method of Mining
(iii) Last five year production Target & achievement
(iv) Proposed five year production target.

5.2 Plans and sections:

5.3 Blasting:

5.4 Mine Draining:

5.5 Disposal of waste:

5.6 Storage and preservation of top soil:

5.7 Proposal for reclamation of land affected by mining activities:

5.8 Measures for dust suppression:

5.9 Measures to minimize vibration due to blast and check noise pollution:

5.10 Tailing Dam:

5.11 Guidelines for scrutiny with respect to mineral beneficiation.

5.12 How many time penalty imposed upon lessee against illegal Mining.

5.13 Employment Potential / Mine Management Plan

5.14 Environment Management Plan
6.0 (i) NOC from land overs should be provided along with Khasra map for the area where mining proposed for five years.

A. CONSENT LETTER/UNDERTAKING/CERTIFICATE FROM THE APPLICANT:
01. The Mining Plan/Scheme of Mining is respect of (Name of Mine) Mine over an area of (Area in Hact), in (Village), P.O. (Name of Post office), District (Name of District), (Name of State), Uttarakhand Notification No. 844/VII-1/2015/68-kha/2015, Date, 31-07-2015 and Notification No. 1589/VII-1/2015/68/kha/2015, Date 07.10.2015 has been prepared by RQP (name of RQP).

This is to request the Director, Geology and Mining Department, Uttarakhand Dehradun to Make any further correspondence regarding any correction of the Mining Plan/Scheme of Mining with the said recognized person at his address below :
(Full name of RQP and address)

We hereby undertake that all modifications/updating as made in the said Mining Plan/Scheme of Mining by the said recognized person be deemed to have been made with our knowledge and consent and shall be acceptable on us and binding in all respects.

2. It is certified that the Progressive Mine Closure plan of (Name of Mine) Mine of (Owner's name/Company name) over an area of (Area in Ha.) complies with all statutory rules, Regulations, Orders made by the Central or State Government, Statutory organization, Court etc which have been taken into consideration and wherever any specific permission is required the lessee will approach the concerned authorities.

The information furnished in the Progressive Mine Closure plan is true and correct to the best of our knowledge and records.

3. "The provisions of Mines Act, Rules and Regulations made there under hectares in ............district in .............state belonging to (Name of Mine) Mine and where specific permissions are required, the applicant will approach the D.G.M.S. Further, standards prescribed by D.G.M.S. in respect of miners' health will be strictly implemented".

4. I authorize RQP ........................................to summit mining plan/scheme of Mining for approval and collect the approved copy of mining plan/scheme of mining on my behalf.

Sign of Lessee/Applicant

CERTIFICATE FROM RQP:

The provisions of the Uttarakhand Miner Mineral Concession Rules, 2001 have been observed in the preparation of the Mining plan/Scheme of Mining for (Name of Mine) Mine over an area of (area in hect), of M/s (Name of owner/Company/Organization), in (Village name), P.O. (Post office name), District (District Name) of (State Name) State and whenever specific permissions are required, the applicant will approach the concerned authorities of Director, Geology and Mining Department, Dehradun.

The information furnished in the Scheme of Mining is true and correct to the best of our knowledge.

Place: .................................................................

(Name of Recognised Person) Date: ........................................

Recognised Person

Reg. No. ........................................................................
GUIDELINE FORMAT OF PROGRESSIVE MINE CLOSER PLAN (PMCP) FINAL MINE CLOSURE PLAN (FMCP) Preamble

1. Introduction

1.1 Reasons for closure:

1.2 Statutory obligations:

1.3 Closure Plan preparation:

2. Mine Description:

2.1 Geology:

2.2 Reserves:

2.3 Mining Method:

2.4 Mineral Beneficiation:

3. Review of implementation of Mining Plan/Scheme of Mining including five years Progressive Closure Plan up to final closure of mine:

4. 

5. Closure Plan:

5.1 Mined Out Land:

5.2 Water Quality Management:

5.3 Air Quality Management:

5.4 Waste Management:

5.5 Top Soil Management:

5.6 Tailing Dam Management:

5.7 Infrastructure:

5.8 Disposal of Mining Machinery:

5.9 Safety and Security:

5.10 Disaster Management and Risk Assessment:

5.11 Care and maintenance during temporary discontinuance:

6. Economic Repercussions of Closure of mine and manpower retrenchments:

7. Time Scheduling for abandonment:

8. Abandonment Cost:

9. Financial Assurance:
Model Bank Guarantee Form:

Form No. __________
The Director Geology & Mining Department, Dehradun

Dear Sirs,
Guarantee No.
Amount of Guarantee Rs. ____________________________
Guarantee Period from ____________ to ____________
Last date for lodgment of claim _______________________

This Deed of guarantee executed on ____________ Day of ____________, 20 ____________ by ____________ (bank name) constituted under the ____________ act having its central office at ____________ (hereinafter referred to as the bank) in favour of Director Geology and Mining Department, Bhopalpani Dehradun (hereinafter referred to as the Beneficiary) for an amount not exceeding Rs. ____________________________
(Rs. ____________________________ Only)

(Rs. ____________________________ at the Request of ____________ (hereinafter referred to as the contractor/s). This guarantee is issued subject to the condition that the liability of the bank under this guarantee is limited to maximum of Rs. ____________________________ (Rs. ____________________________ Only)
And the guarantee shall remain in full force up to ____________ (date of expiry) and cannot be revoked on or before ____________ (last date of claim) by the Bank or applicant.

SUBJECT TO AS AFORESAID
(Main guarantee matter may be typed hereafter)

For (Bank)
Seal
Branch Manager
(________________________ Branch)
BANK GUARANTEE AND CO-ACCEPTANCE BOND

1. Agreement on production of a Bank guarantee for Rs. ____________ (Rs. ____________ Only).

2. We ________________ (bank name), at the request of Shri ____________ S/o ________________ Shri ________________, (lessee) do hereby undertake to pay to the Director Geology & Mining Dep. Dehradun, ________________ or any other officer authority nominated by the Director of Mines an amount not exceeding Rs. ________________ (Rs. ________________ only) against any loss or damage caused to or suffered by the Government or towards non-compliance of provisions Mine closure plan/progressive mine closure plan approved in respect of the mining lease (name of mine) ________________ for ________ (acre/hares) over an area of ________ Hect. Granted by State Government to Shri/Ms ________________ S/o ________________ (lessee) situated in ________________ village ________________ Taluka ________________ District ________________ State by reason of any breach of the said lessee of any of the terms or conditions contained in the Mine closure plan/progressive mine closure plan.

3. We, ________________ (bank) do hereby undertake to pay the amount due and payable under this guarantee without any demur, to the authority merely on a demand from the Director Geology & Mining Department, Dehradun ________________, or any other authorized by the Director Geology & Mining Department, Dehradun stating that the amount claimed is due by way of loss or loss of damage caused to or would be caused to or suffered by the government by reason of breach by the said lessee or any of the terms or conditions contained in the mining plan/mining scheme or by reason of lessee's failure to perform the said mine closure plan/progressive mine closure plan. However our liability under this guarantee shall be restricted to an amount not exceeding Rs. ________________ (Rs. ________________ Only).

4. We undertake to pay to the authority on a demand from the Director Geology & Mining Department, Dehradun, ________________, or any other officer authorized by Director Geology & Mining Department, Dehradun or Govt. of India any money so demanded notwithstanding any dispute or disputes raised by the lessee in any money so demanded pending before any court or tribunal relating thereto our liability under this present being discharge of our liability for payment there under and lessee shall have no claim against us for making such payment.

5. We, ________________ (bank name), further agree that the guarantee herein contained shall remain in full force and effect during the period up to the Mining plan/Scheme of Mining period of Five years that would be taken for performance of the said Agreement and that shall continue to be enforceable till all the dues of the Govt. undr or by virtue of the said agreement have been fully paid and its claims satisfied or discharged till Director Geology & Mining Department, Dehradun ________________, or any other officer authorized by the Director Geology & Mining Department, Dehradun certifies that the terms and conditions of the said progressive mine closure plan/ final mine closure plan have been fully and properly carried out by the said lessee and accordingly discharge this guarantee. Unless a demand or claim under this guarantee is made on us in writing or before ________________, we shall be discharged from all liability under this guarantee thereafter.

6. We further agree that Director Geology & Mining Department, Dehradun ________________, or any other officer authorized by the Director Geology & Mining Department, Dehradun shall have fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of
the terms and conditions of the said agreement or to extend time of performance by the said lessee form them to time or to postpone for any time to from time to time any powers exercisable by Director Geology & Mining Department, Dehradun, ________ against the said lessee and to forbear or enforce any of terms and conditions relating to the said agreement, we (bank) shall not be relieved from our liability by reason of any such variation part of Regional Controller of Mines, India Bureau of Mines, ________ or any indulgence by Director Geology & Mining Department, Dehradun, ________ to the said lessee or any manner or thing whatsoever which under the law relating to sureties, would but this provision have effect of so relieving us.

7. This guarantee will not be discharged due to change in constitution of the bank or lessee.

8. We, ________________ (bank name), lastly under take not to revoke this guarantee during its currency except with the previous consent of the Director Geology & Mining Department, Dehradun, ________ in Writing.

9. Notwithstanding anything contained herein:
   a) Our liability under this Bank guarantee shall not exceed Rs. ________________
      (Rs. ________________, only)
   b) The bank guarantee shall be valid up to ________________
   c) The period of bank guarantee submitted is valid for the period of the proposals given in the mining plan/Scheme of mining/OMCP etc. We are liable to pay the guarantee amount or any part thereof under this Bank guarantee and only if served upon us a written claim or demand on or before.

10. If the bank guarantee is to be en-cashed through the court. In that case the (city Dehradun) court will have jurisdiction.

11. In witness whereof, the bank through its authorized officer has set its hand and stamp on this.

_________________________ Day of ________________ 20 _______ at ________________

(Bank) Seal
Branch Manager,
_________________________ Branch

FOLLOWING POINTS NEED TO BE CONSIDERED WHILE SUBMITTING THE BANK GUARANTEE

A) The bank guarantee should be made on stamp paper its minimum value of Rs. 200/- in Maharashtra or as per respective states Stamp Act.

B) Each page of bank guarantee should be signed by two bank officers indicating clearly their name, designation and code number.

C) Item No. 2 of the bank guarantee should clearly indicate the name of the Mine, ML No., Survey. No/Khasra No., Village, Talukka, Dist. And State etc.

D) The Period of bank guarantee should be co-terminus with the plan/scheme period.

E) Original bank guarantee should be submitted separately with a forwarding letter while submitting final bound copies of MP/Schem of Mining/OMCP and a photocopy should be kept in each bound copy of MP/Schem of Mining/OMCP.

F) Every Page of the bank guarantee should be signed by the Bank Manager under his seal.
FORMAT FOR RECEIPT OF DRAFT/MODIFIED MINING PLAN/
SCHEME OF MINING OF MINE CLOSURE PLAN
GOVT OF UTTARAKHAND
GEOLOGY AND MINING UNIT,
UTTARAKHAND, BHOPALPANI
DEHRADUN.

Receipt
(Contents not verified)

Received one Mining Plan, Scheme of Mining of Mine Closure Plan /Modification to the approved Mining Plan/ Scheme of Mining containing pages (text) annexures and plates.


Name of the mine/area with kh. No.
Village, District, State

Name of Mineral

Area in acres/hect

Name of applicant

Name & designation of applicants
Representative submitting the MP/MS

Name and No. of recognized person

Is it first mining plan or modified
Mining Plan

Mode of receipt

Fee receipt
Date of receipt

Remarks if any

(Signature and designation of Receiving officer)
Director Geology & Mining Department, Dehradun

To,
Application for Recognition as Recognised Person to Prepare Mining Plans/Scheme of Mining/Mine Closer Plan

FORM – A

"Persons eligible for grant of recognition May download this form and submit the duly filled form to the concerned office along with the form of Rs. ......................./- (for individual registration) payable by Demand Draft drawn on any nationalized bank, in favour of "Drawing and Disbursing Officer, Director Geology & Mining Department.


I, ____________________________ am desirous of seeking recognition as recognised person Uttarakhand Notification No. 844/VII-1/2015/58-kha/2015, Date, 31-07-2015 and Notification No. 1589/VII-1/2015/68/kha/2015, Date 07-10-2015 For age preparation of Mining Plans/Scheme of Mining/Mine Closer Plan and furnish the following information :

1. (a) Name of the applicant:
   (b) Father’s name:
   (c) Address of the applicant:
   (d) Date of Birth:
   (e) Nationality:
   (f) Place where the applicant ordinarily resides: village/City

   Taldq ____________ District ____________ State ____________

   Email id ____________________________

2. Academic and Professional Qualifications (Degree level and above)
   Name of Institution/
   Examination
   Passed
   Year of
   Passing Subject

3. Experience in supervisory capacity in mining operations (stating from the present or most recent position)
   A. Present or most recent post
   Years of Service: From _________ to _________
   Title of post:
Name and location of the mine:

Name and Address of the Employer:
Description of your work indicating
Your personal responsibility

B. Previous post
Years of Service: From _______ to _______
Title of Post:
Name and location of the mine:
Description of your work indicating
Your personal responsibility name and Address of the Employer:

C. Previous post
Years of Service: From _______ to _______
Title of Post:
Name and location of the mine:
Description of your work indicating
Your personal responsibility

4. Experience if any in mine planning – Analysis of own experience (State why you consider yourself suitable for preparation of mining plans including Environmental management plans. Give particulars of mine plans prepared if any.)

5. List of copies of certificated & testimonials attached in support of qualifications, Experience

6. (a) State if application for recognition was ever made before under Rule 22 (c) of MCR, 1960.
(b) If yes, name and address of the authority to whom the application was made and date of application.

© Decision of the said authority.
I hereby declare that the information furnished above is true, complete and correct to the best of my knowledge and belief.

Place:
Date:

Signature of the applicant

FOR OFFICE USE ONLY
1. Having examined the application of
Shri ____________________________, I am satisfied that the applicant is FIT/NOT FIT for recognition.

The registration number accorded to him as a recognized person is: 3, The reasons for refusing the grant of recognition are recorded below:

Place:
Date:

Director Geology & Mining,
Bhopalpani, Uttarakhand
Dehradun
INSTRUCTIONS TO THE APPLICANT

(These instructions sheet may be detached from the application
From and retained by the applicant for his own record)

1. Applications may be submitted in the prescribed to Act, 1957 Director Geology & Mining, Bhupalpani, Uttarakhand Dehradun. An additional copy of the form is provided with each set (not on the site) which may be retained by the applicant for his reference and record.

2. The application may be complete in all respects. Only photocopies of certificate of qualifications/experience/age etc. duly attested by a gazette officer of the Central or State Government may be sent with the application form. No original documents need be sent. They may be submitted only when called for by the competent authority.

3. Applications may be sent to the Director Geology & Mining, Bhupalpani, Uttarakhand Dehradun.

4. The recognition granted by Director shall be valid for the preparation of mining plans Scheme of Mining/Mine closure Plan for mineral deposits in any State of Uttarakhand for all Minor Miner’s declared by Mining of Minor under Sec 3 e of MMDR Act 1957, Govt of India.

5. Individual's desirous of seeking recognition may apply in form "A" along with copies of certificates, testimonials etc.

6. In case the applicant is a public Company as defined in the Company Act, 1956, a private company as defined in the said Act, a firm or an association of individuals duly registered under relevant Act (hereinafter called Applicant Organisation), the application may be made in Form "B"

I. In case of applicant organizations, the number of key persons may be given up to a maximum of six persons. They will be the persons earmarked for preparations of mining plan Scheme of Mine Closure Plan either by themselves or for guiding and supervising the work of a team engaged in the preparation of the mining plans/Scheme of Mine of Mine Closer Plan.

II. The key persons shall individually possess the qualifications and experience required under Rule 22 MCR 1960 for being recognized as a qualified person.

III. The key persons may also apply if they so desire for recognition in their individual capacity under Rule 22 MCR 1960 for recognition as a qualified person in which case the application shall be submitted in from "A"

IV. In case any of the key persons leaves or otherwise with the applicant recognizing authority shall be sent forthwith by the applicant organization to the recognizing, an intimation shall be sent forthwith by the key person has left the services or otherwise disassociate. The Competent authority may review the recognition granted to an applicant organization when 50% or more of key persons taken into consideration at the time of grant of recognition depart or disassociate from the said organization.

7. A passport size photograph duly attested by a gazette officer of Central or State Government shall be affixed to the application from in the space provided for it. In case of applicant organization the passport size photograph of key persons similarly attested shall be affixed to the enclosures form "B" in the space provided for it.

8. No item/column may be left blank or deleted. If the information against any column/item is nil it may be so stated/recorded giving the actual facts. Leaving it blank or/item is nil it may be so stated/recorded giving the actual facts. Leaving it blank making dashes or writing N.A. is not enough. A clear and definite reply is required.
9. While describing the experience in the supervisory capacity in item No. 3 of the application, the nature of duties and managerial functions, performed may be clearly brought out.

10. The recognition shall be valid for a period of five years from the date of grant of recognition. The competent authority while according recognition will allot a registration number. This may be mentioned by the person in all future correspondence with the Director of Mines made in connection with the mining plans and also mentioned in the mining plans prepared by him as required under MMDR Act and the rules made thereunder.

11. An Application, if found deficient in any respect is liable to be rejected. In submitting an application, therefore, the applicant may ensure that all requirements specified in the relevant provisions of the law & instructions are complied with.

12. The recognized will be required to comply with the instructions laid down by the competent authority from time to time.

FORM – B

"Persons eligible for grant of recognition may download this form and submit the duly filled in form to the Director Geology and Mining, Dehradun along with the form fee Rs........................... (for company registration), payable by Demand Draft drawn on any nationalized bank, in favour of Director Geology and Mining Department, Uttarakhand Dehradun.

Application for Recognitions as Recognised Person to Prepare Mining Plans/Mine Closer Plan of Scheme of Mine"


I, ____________________________, on behalf of (applicant organization) am desirous of seeking recognition as qualified person under (Government Uttarakhand Industrial Development Department, Notification No. 844/VII-1/2015/68-kha/2015, Date, 31-07-2015 and Notification No. 1589/VII-1/2015/68/kha/2015, Date 07-10-2015 as Recognised Person to Prepare Mining Plans.) for the preparation of Mining Plans and furnish the following information:

1. Name of the applicant organization:
2. Registration number and date and name:
   Of the authority with whom registered.
   Address of the registered office and Email ID.
3. Name of the authorized signatory Mobile No., Tel. No., Fax No. and Email ID.
4. Signatory’s father’s name:
5. Names of key persons (p to a maximum of six)
(Government Individual Development Department, Uttarakhand Notification No. 844/VII-1/2015/68-kha/2015, Date, 31-07-2015 and Notification No. 1589/VII-1/2015/68/kha/2015, Date 07-10.2015 as Recognised Person to Prepare Mining Plans.)

1.
2.
3.
4.
5.
6.

(Attach biodata of key persons in enclosed proforma)

(a) State if application for recognition was ever made before under Rule 22 (c) of Mineral Concession Rules, 1960.

(b) If yes, name and address of the authority to whom the application was made and the date of application.

© Decision of the said authority.

5. State why you consider the applicant organization suitable for preparation of mining plans including environmental management plans. Give particulars of mine plans prepared, if any. Attach a separate sheet if necessary.

I hereby declare that the information furnished in this application form together with the endorses is true, complete and correct to the best of may knowledge and belief. A copy of the power of attorney to act for and on behalf of my organization is enclosed.

For and on behalf of

Place: ______________________

Date: Seal of the Applicant

Organization Authorised Signatory

______________________________________

FOR OFFICE USE ONLY

1. Having examined the application fo

M/s ________________________, I am
Satisfied that the applicant is FIT/NOT FIT for recognition under Rule 22 © of MCR, 1960.

2. The registration number accorded as a recognized person is: 3. The reasons for refusing the grant of recognition are recorded below:

   Place:

   Date:

   Regional Controller of Mines

   Indian Bureau of Mines

   Region ______________

   Enclosure to FORM-B

   Bio data of key person (Sr. No..........................) Passport size

   Photograph of the

   Applicant duly

   Attested

1. (a) Name of the Key person:
   (B) Father name:

   © Address of the key person:

   (d) Date of Birth:

   (e) Nationality:

   (f) Place where the applicant ordinarily resides:

   Village/City ___________ Taluq ___________ District ________________

   State ________________

2. Academic and Professional Qualifications (Degree level and above) Name of Institution / University

   Examination

   Passed

   Year of

   Passing Subject
3. Experience in supervisory capacity in mining operations (starting from the present of most recent position)

A. Present or most recent post
   Years of Service: From _______ to _______

   Title of Post:
   Name and location of the mine:
   Name and Address of the Employer:
   Description of your work indicating
   Your personal responsibility

B. Previous Post
   Years of Service: From _______ to _______

   Title of Post:
   Name and location of the mine
   Name and Address of the Employer:
   Description of your work indicating
   Your personal responsibility

C. Previous post
   Years of Service: From ____________ to _______
   Total
   Title of Post:

   Name and location of the mine
   Name and Address of the Employer:
   Description of your work indicating
   Your personal responsibility

4. Experience if any in mine planning – Analysis of own experience (state why you consider yourself suitable for preparation of mining plans including Environmental management plans. Give particulars of mine plans prepared if any.)
5. List of copies of certificates & testimonials attached in support of qualifications, experience I hereby declare that the information furnished above is true, complete and correct to the best of my knowledge and belief.

Place:

Date:

Signature of the key Person

Seal of the Applicant Organisation Countersigned by the Authorised Signatory

- This number may be the same as the serial number of the Key person mentioned under item 6 of Form B.

INSTRUCTIONS TO THE APPLICANT

(These instructions sheet may be detached from the application)

Form and retained by the applicant for this own record

1. Application may be submitted in the prescribed form available on sale form any of the offices of the Director Geology and Mining Department, Uttarakhand Dehradun. An additional copy of the form is provided with each set (not on the site) which may be retained by the applicant for his reference and record.

2. The application may be complete in all respects. Only photocopies of certificates of qualifications/experience/age etc. duly attested by a gazetted officer of the Central or State Government may be sent with the application form. No original documents need be sent. They may be submitted only when called for by the competent authority.

3. Application may be sent to the Director of Mines under whose territorial jurisdiction the applicant ordinarily resides. In case of Companies, Firms, associations etc., jurisdiction the applicant ordinarily resides. In case of companies, firms, associations etc., the application may be sent to the Director of Mines under whose territorial the application may be sent to the Director of Mines under whose territorial jurisdiction the registered office is situated. The addresses of the various Director of mines and their respective territorial jurisdictions are given in the Annexure (also available on site).

4. The recognition granted by any Director of mines shall be valid for the preparation of mining plans for mineral deposits in any where in India.

5. Individuals desirous of seeking recognition may apply in form ‘A’ along with copies of certificates, testimonials etc.

6. In case the applicant is a Public company as defined in the Company Act, 1956, a private company as defined in the said Act, a firm or an association of individuals duly registered under the relevant Act (hereinafter called Applicant Organisation), the application may be made form ‘B’.

1. In case of applicant organisations, the number of key persons may be given up to a maximum of six persons. They will be the persons earmarked for preparation of mining plans either by themselves or for guiding and Supervising the work of a team engaged in the preparation of the mining plans.
II. The key persons shall individually possess the qualifications and experience required under Rule 22 (c) for being recognized as a qualified person.

III. The key persons may also apply if they desire for recognitions in their individual capacity under Rule 22 (c) for recognition as qualified person in which case the application shall be submitted in form 'A'.

IV. In case any of the key persons leaves or otherwise disassociates with the applicant organization, an intimation shall be sent forthwith by the applicant organization to the recognizing authority stating the date from which the key person has left the services or otherwise disassociated. The competent authority may reissue the recognition granted to an applicant organization when 50% or more of key persons taken into consideration at the time of grant of recognition depart or disassociate from the said organization.

7. A passport size photograph duly attested by a gazetted officer of Central or State Government shall be affixed to the application form in the space provided for it. In case of applicant organization the passport size photograph of key persons similarly attested shall be affixed to the enclosures to Form 'B' in the space provided for it.

8. No item/column may be left blank or deleted. If the information against any column/item is nil it may be so stated/recorded giving the actual facts. Leaving it blank or making dashes or writing 'N/A' is not enough. A clear and definite reply is required.

9. While describing the experience in the supervisory capacity in item No. 3 of the application, the nature of duties and managerial functions, performed may be clearly brought out.

10. The recognition shall be valid for a period of ten years from the date of grant of recognition. This competent authority while according recognition will allot a registration number. This may be mentioned by the person in all future correspondence with the Director of mines made in connection with the mining plans and also mentioned in the mining plan prepared by him as required under MMDR act and the rules made thereunder.

11. An application, if found deficient in any respect is liable to be rejected. In submitting an application, therefore, the applicant may ensure that all requirements specified in the relevant provisions of the law & instructions are complied with.

12. The recognized persons will be required to comply with the instructions laid down by the competent authority from time to time.
GOVT OF UTTARAKHAND
GEOLOGY AND MINING UNIT,
UTTARAKHAND, BHOPALPANI
DEHRADUN.

No.
Form :

The Director Geology & Mining,
Bhopalpuni, Uttarakhand
Dehradun


dated

To :


Sub : Your application No. _______ dated __________ for grant of recognition as a recognised person
Government of Uttarakhand, Industrial Development Department, Notification No. 844/VII-1/2015/58-
hwa/2015, Date, 31-07-2015 and Notification No. 1589/VII-1/2015/68/kha/2015, Date 07-10.2015 as
Recognised Person to Prepare Mining Plans, Scheme of Mining of Mine Closer Plan.

Sir,

With reference to your above said application, you are hereby informed that recognition sought by you is
hereby refused for the reasons stated below :

Your faithfully

(Director/Geology & Mining,
Bhopalpuni, Uttarakhand
Dehradun)

Place.

Dated
GOVT OF UTTARAKHAND
GEOLOGY AND MINING UNIT,
BHOPALPANI, UTTARAKHAND
DEHRADUN.

CERTIFICATE OF RECOGNITION AS RECOGNISED PERSON
(Under Rule 22C of Mineral Concession Rules, 1960)

Shri ........................................, S/O ................................, resident of ............ affixed herein above, having given satisfactory evidence of his qualifications and experience is hereby RECOGNISED under Government Industrial Development Department, Uttarakhand Notification No. 844/VII-1/2015/68-kha/2015, Date, 31-07-2015 and Notification No. 1589/VII-1/2015/68/kha/2015, Date 07-10-2015 as Recognised Person to Prepare Mining Plans, Scheme of Mining of Mine Closer Plan:

His registration number is RQP/ ........../20 ........./A

This recognition is valid for a period of 05 (Five) years ending on ____________

This certificate is liable to be withdrawn/cancelled in the event of furnishing the wrong information/documents in the mining plan Scheme of Mining of Mine Closer Plan submitted by him.

Director/Geology & Mining,
Bhopalpani, Uttarakhand
Dehradun

Place:

Date:
Proforma for Annual Return by the person recognized by Department for Mine Plan/ Scheme of Mining of Mine Closer Plan.

Return shall be sent in triplicate to the Recognizing authority by 31st July every Year for the year ending 31st March.

Annual Return for the year (ending 31st March)

1. Name and address of the recognized person.
2. His registration number.
3. Particulars of each of mining plan Scheme of Mining of Mine Closer Plan indicating the following:
4. Title of the mining plan
5. Name and address of the client
6. Date of submission to the approving authority
7. Reference of letter of approval/rejection of mining plan/ Scheme of Mining of Mine Closer Plan.
8. Whether prepared singly or jointly with others
9. In case prepared jointly, give names and registration number of recognition of others.

(The information undr item 3 may be given on separate sheets for each of the mining plans/ Scheme of Mining of Mine Closer Plan prepared)

PROCEDURE FOR RENEWAL OF CERTIFICATE ISSUED TO RECOGNISED QUALIFIED PERSONS

1. The certificate shall be renewed only on getting request for renewal submitted in Form C. The completed form may be submitted to the Director office where form the recognition had been granted. In case the form downloaded from the website renewed by the Director Geology & Mining Department, Dehradun.

2. The Recognised person shall submit his annual report and a part report upto the date of application along with is request for renewal. The original certificate is to be enclosed by Recognised Person for endorsement along with application.

3. On the certificate in the front page left had side rubber stamp reading “renewed upto ______” may be put form the date of expiry irrespective of the date of application for renewal.

4. The renewal application may normally be submitted by recognized persons three months before the date of expiry. In any case it cannot be accepted after the date of expiry of recognition.

5. Below rubber stamp granting renewal as mentioned at item No. 3, competent authority may put full date signature.

6. The recognition may normally be renewed except in case below par performance of Recognised Person or his extreme unco-operation if any, Recognised Person has not prepared any mining plan/ Scheme of Mining of Mine Closer Plan. this may not be critetria for not granting the renewal. In case of refusal to renew recognition, prior approval of concerned Director to be taken. The reason for not granting recognition may be recorded and the Recognised Person may be given as opportunity before refusal of Recognition.
FORM OF DECLARATION TO BE GIVEN BY THE APPLICANT WHILE SEEKING RECOGNITION UNDER
Government Industrial Development Department, Uttarakhand Notification No. 844/VII-1/2015/68-
hka/2015, Date, 31-07-2015 and Notification No. 1589/VII-1/2015/68/hka/2015, Date 07-10.2015 OF MCR
1960 AS A COMPANY/ORGANIZATION/ASSOCIATION ETC.

I, ________________________________ Company declare that the key persons as per the information
furnished at item 6 of the application form B No. _______ do not hold the position key persons of any
company/firm/organization/association etc for which the recognition has been obtained or is being sought
Department, Notification No. 844/VII-1/2015/68/hka/2015, Date, 31-07-2015 and Notification No. 1589/VII-
1/2015/68/hka/2015, Date 07-10.2015.

For and on behalf of

M/s ____________________________

Authorised Signatory
(Name & Signature of
Authorised Signatory)
With seal of Organization.

Place

Date

हाँ/үविभा:

1. उत्तराखण्ड गृह शिक्षा नीति-२०१५ के प्रस्ताव ३(वी) /६ के अनुसार आचार्यकृपा (जो कि आईसीएडी) द्वारा अनिश्चित किये गये है, निर्देशक के पुनः पदोन्नति प्राप्त होने से तक नाम होते हैं। इस नीति के लंबू दृष्टि से उपस्थित रहने, आचार्यकृपा (जो कि निर्देशक), 
भूमि एवं शिक्षा शार्क में सं 10,000/- की चर्चातील विषयांतर्गत शिक्षण संस्था के स्वरूप में जना कारक पदोन्नति कराया जाना अनिवार्य होगा। पदोन्नति की अनुमति 65 वर्ष से लिए नाम होगी।

2. क्षेत्र को निदेशक नियुक्त करें जने के निर्देश इस आयाम में प्रेरित कर दिया जाने के के सम्बंधित आचार्यकृपा/क्षेत्र
पदोन्नति ४५ दिन के उपस्थित निदेशक अद्वैत है निदेशक के स्वरूप में निदेशक को पृथक कर उपस्थित करायें।

3. खान अनुसंधान, भारतीय खान जीवन के पटक वक्ता 213(1)/ Gen. Updation/MCE (1)/2015 नागरिक वित्त में 09-04-2015 के साथ
अनुसन्धान-१ (Proforma for items of Information for National Mineral Inventory As On Date 1-4-2015) प्रस्ताव पर
सुधार भरोसे आक्षेपितों के निर्देशन के सम्मान पदोन्नति आचार्यकृपा एवं गाइड मैनेजर के हस्ताक्षर के उपस्थित आक्षेपितों के
निर्देशन के सम्मान पूर्ण करें।

4. पदोन्नति किस खेत में कार्य करेगा उस खेत की सुधार सम्बंधित जनपद के खान अधिकारी एवं उपनिदेशक, खान भूमि
एवं शिक्षक इंस्टाइट्यूट को अनुमति दी गई शाखा प्रति के साथ खानन कार्य प्रारंभ
kरने के 15 दिन पूर्व पूर्ण करेगा।

5. उत्तराखण्ड गृह शिक्षा नीति-२०१५ के प्रस्ताव ३(वी) /६ के अनुसार पदोन्नति द्वारा खानन गोजना सम्बंधित खान
अधिकारी/उपनिदेशक (खानन) के साथ सं. 20,000/- की चर्चातील विषयांतर्गत शिक्षण में जना
kरने के उपस्थित जना की प्रति के साथ एक प्रति के खानन गोजना, खानन आक्षेप माफ़ीन, माफ़ीन के
सम्बंधित इंस्टाइट्यूट, खानन एवं खान अधिकारी अपनी आक्षेप के साथ खानन गोजना, खानन आक्षेप माफ़ीन, माफ़ीन के
खानन निर्देशन के अनुसार खेत में पूर्ण करें। सम्बंधित उपनिदेशक, खानन अधिकारी के माफ़ीन के
खानन आक्षेप माफ़ीन उसे गई निदेशन हेतु निदेशन की अस्वीकृति किया जाएगा।
6. उपनिदेशक, खनन एवं खान अधिकारी के माध्यम से प्राप्त खनन योजना, स्कीम आफ्र माइंग, माइन व्यायाम धार्मिक मंत्रालय के निर्देशालय से पर पश्चिमांग्रेज पाया गई कृतियों के निर्माण हेतु सम्बंधित आरोपितको को निर्देशालय तत्त्व से नोटिस दिया जायेगा। जिसका निर्माण समाप्त हो जाने पर कर्मचारियों खनन योजना/माइनको प्लान/स्कीम आफ्र माइंग निर्देशालय में प्रस्तुत करें।

7. समाप्तित आरोपितको द्वारा दिए गए कृतियों के निर्माण किये जाने के उपायां, खनन योजना, स्कीम आफ्र माइंग, माइन व्यायाम प्लान को अनुभूति प्रदान किया जायेगा।

कृतिक 1762/खनन/गौं खानिज-माइंगज्ञान/26/भु.52615/2015-16 तत्त्वनिर्देशक

प्रतिस्पर्धा:

1. मुख्य वाहिनी, उत्तराखण्ड सांस्कृतिक संरचना।
2. समावेश विभागित की, उत्तराखण्ड।
3. समस्त अधिकारी, भूगोल एवं खनिकार के उत्तराखण्ड।
4. समस्त पदाचार्यक/आदेशक गौं खानिज (अयोग्य) उत्तराखण्ड।
5. निर्देशालय में वस्तुत समस्त आरोपितको
Proforma for enclosure with Mine Plan, Mine Closure Plan, Scheme of Mine Plan

PROFORMA FOR ITEMS OF INFORMATION FOR NATIONAL MINERAL INVENTORY AS ON DATE

NMI Code for Old Deposit / Mine............................Otherwise - NEW

1. Mineral Commodity .......................................................... 
   (Select only one out of 71 minerals list enclosed)

2. Deposit Name ........................................................................

3. Block name ............................................................................
   (For each block a separate form)

4. Status
   (i) Freehold / Leasehold .........................................................
   (ii) If Leasehold-
      (a) Private / Public .............................................................
      (b) Captive / Non-Captive ...................................................
      (c) Name of Lessee ..............................................................
      (d) Lease area (Hect.)with Survey No. ................................
      (e) Period (Years) ............................................................... 
      (f) Expiry date ....................................................................
      (g) Working/Not Working ....................................................

5. Nature of land( Forest/Non Forest/ Unspecified)
   (Separate for each category with area)
   (a) Forest - Hect. %
   (b) Non-Forest - Hect. %
   (c) Unspecified - Hect. %

6. Location : Total area:
   (i) Co-ordinates* .................................................................
   (ii) Toposheet(s) No. ............................................................
   (iii) Name of Village(with distance from mine/deposit)

* For large areas range of longitudes & latitudes is preferable but where range is not available, the longitude and latitude of the Central point of the deposit/mine shall be given.
(iv) Taluka/Sub-Division : ....................................................
(v) District : ..............................................................
(vi) State : ................................................................
(vii) R.L. of Surface
       (in metre) (Min.) (Max.) (Ave.)
(viii) Name & Distance from National Park(km) : ............
(ix) Name & Distance from Archaeological Monument (km) : ..............................................................
(x) Name & Distance from wild life sanctuary (km) ..............................................................
(xi) Name & distance from firing range (km) : ..............................................................
(xii) Name & distance from Ordnance factory (km) : ..............................................................

7. Infrastructure
   (i) Road distance from deposit/mine to Rly. Stn./Loading point(km)
       (a) Metalled ..............................................................
       (b) Unmetalled ..............................................................
       (c) Seasonal ..............................................................
       (d) All weathered ..............................................................
       (e) Unspecified ..............................................................
   (ii) Name of Rly. Stn. & distance from mine/deposit.(Km) ..............................................................
   (iii) Name of Port & distance from mine/deposit.(Km) ..............................................................
   (iv) Power Grid ..............................................................
       (a) Available/Not available ..............................................................
       (b) If available distance from mine/deposit.(Km) ..............................................................
   (v) Water Sources ..............................................................
       (a) Nature of water source
8. Geology:

- **Type of water source**
  - Examples: dam, spring, well, tank, lake, river, etc.

- **Distance from mine/deposit (Km)**
  - (Min.) | (Max.) | (Ave.)

- **Host Rock Type**

- **Principal economic minerals**

- **Associated economic minerals**

- **Gangue minerals**

- **Indicator minerals**

- **Deleterious constituents**

- **Toxic elements**

- **Type of mineralisation**
  - Examples: vein, pocket, bedded, etc.

- **Structural feature**
  - Examples: folded, faulted, sheared, etc.

- **Strike**
  - From... To...
  - (in 360° circle)

- **Dip (amount & direction)**
  - Amount From... To...
  - Direction From... To...
  - (0 to 90°)
  - (in 360° circle)

- **Overburden**
  - **Nature**
  - **Thickness (m)**
    - (Min.) | (Max.) | (Ave.)

- **Dimension of deposit/belt**
  - Describing strike length, width, depth, thickness of deposit, either of the belt and/or of individual lenses, veins, bands, pockets, etc.
  - **Length (km)** | **Width (m)** | **Min.** | **Max.** | **Ave.**

- **Any other information**
  - (like regional stratigraphic sequence, information on mineral belt, etc.)

9. **General information about deposit**

10. **Brief history of the deposit/mining**
11. Exploration:
   (i) Name of exploration Agency:
   
   (ii) Details of work carried out:
      
   (a) Geological mapping:
      
<table>
<thead>
<tr>
<th>Mapping Scale</th>
<th>Area (Sq. km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:50,000</td>
<td></td>
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<tr>
<td>1:25,000</td>
<td></td>
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<tr>
<td>1:10,000</td>
<td></td>
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<tr>
<td>1:5,000</td>
<td></td>
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<tr>
<td>1:2,000</td>
<td></td>
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<tr>
<td>Other (Pl. specify)</td>
<td></td>
</tr>
</tbody>
</table>
      
   (b) Pitting:
      
<table>
<thead>
<tr>
<th>No. of Pits</th>
<th>Spacing (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(From ..........to ..........)</td>
</tr>
<tr>
<td>(i) Shallow (&lt; 3m)</td>
<td>..........</td>
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<tr>
<td>(ii) Medium (3-6m)</td>
<td>..........</td>
</tr>
<tr>
<td>(iii) Deep (&gt; 6m)</td>
<td>..........</td>
</tr>
<tr>
<td>(iv) Unspecified</td>
<td>..........</td>
</tr>
</tbody>
</table>
      
   (c) Trenching:
      
<table>
<thead>
<tr>
<th>Number</th>
<th>Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(From ..........to ..........)</td>
</tr>
</tbody>
</table>
      
   (d) Pitting/Trenching (cu. m.)

(e) Drilling:
      
<table>
<thead>
<tr>
<th>No. of Bore Holes</th>
<th>Meterage</th>
<th>Spacing (m)</th>
<th>Depth (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(From ..........to ..........)</td>
<td>Min.</td>
<td>Max.</td>
</tr>
<tr>
<td>Surface</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Underground</td>
<td></td>
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<td></td>
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</tbody>
</table>
(f) Exploratory Mining:

<table>
<thead>
<tr>
<th></th>
<th>No.</th>
<th>Meterage</th>
</tr>
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<tbody>
<tr>
<td>Shaft</td>
<td></td>
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<td>Adit</td>
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<td></td>
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<tr>
<td>Drive</td>
<td></td>
<td></td>
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<tr>
<td>Cross cut</td>
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<td></td>
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<tr>
<td>Winze</td>
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(ii) Unspecified

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<tr>
<th></th>
<th>Length (m)</th>
<th>Volume (cu m)</th>
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(g) Sampling:

<table>
<thead>
<tr>
<th>Sample type</th>
<th>No. collected</th>
<th>No. Analyzed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td></td>
<td></td>
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<tr>
<td>Pits</td>
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<td></td>
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<tr>
<td>Groove</td>
<td></td>
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<tr>
<td>Other (Pl. specify)</td>
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</tbody>
</table>

(h) Any other information about exploration:

12. Physical characteristics of mineral commodity: ...........................................

13. Chemical Analysis of representative samples of the deposit/block:

<table>
<thead>
<tr>
<th>Name of chemical constituents</th>
<th>Unit (%; gm/tonne, p.p.m.; etc.)</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
<td>Max.</td>
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</tbody>
</table>
14. Parameters of estimation: (Details shall be given Block-wise.)

PARAMETERS OF ESTIMATION OF RESERVES/RESOURCES

<table>
<thead>
<tr>
<th>Name of block</th>
<th>Stage of geological exploration</th>
<th>Method of estimation of reserves/resources</th>
<th>Total area in Hect./Sq.M.</th>
<th>Total depth/thickness (in m.)</th>
<th>Bulk density</th>
<th>Losses in percentage</th>
<th>Date of estimation</th>
<th>Subsequent depletion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stage-G4</td>
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<td>Stage-G3</td>
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<tr>
<td>Stage-G2</td>
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</tr>
<tr>
<td>Stage-G1</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Note: (i) Losses in mining (a) % of ore likely to be locked up (permanently) (b) % of ore lost during mining (c) % of ore lost in actual stopping (d) % loss in grade due to dilution (e) % increase in tonnage due to dilution (g) % cumulative losses (a+b+c+d-f) with ave. %. (ii) Losses in Recoverability (a) Losses in hand sorting, dressing etc. at the site (b) Losses in beneficiation process (c) Grade of the ore (d) Cumulative losses (a) + (b) with ave. grade as at (c) (e) Metallurgical losses (may be considered only metal content is estimated).

- Deposit length:
- Minimum deposit width:
- Maximum deposit width:
- Average deposit width:
- Thickness:
16. Technoeconomic Studies
(Depositwise/ Blockwise separately for forest/non forest and unspecified land types)

1. Geotechnical Studies only [G3]
(Specify the stage of exploration viz. G-1, G-2, G-3 & G-4 based on the quantum & quality of exploration carried out, refer 10 & 12)

2. Pre-feasibility study carried out [F2]: Yes / No

3. If yes, give the details of findings/results thereof

4. If no, reasons thereof, if any

5. Feasibility study carried out [F1]: Yes / No

6. If yes, give the details of findings/results thereof.

7. If no, reasons thereof, if any

8. Economic analysis carried out: Yes / No

9. If yes, give the results thereof under the following heads:

Found to be

(i) ECONOMIC : [E1] Yes / No
(a) Normally economic (economic under competitive market conditions with required return on investment) Yes / No

(b) Conditionally economic (Please state the conditions specified therein like Govt. subsidy or other supportive measures, diversion of nallah, HT line and such other conditions as in 5(ix) to (xii)) Yes / No

(ii) POTENTIALLY ECONOMIC : [E2] Yes / No
Marginally economic (please state whether changes in Technological, Economic, Environmental, or other relevant conditions that may make it economic.) Yes / No

(iv) INTRINSICALLY ECONOMIC [E3] (please specify the conditions for making it potentially economic.) Yes / No
17. Reserves/resources estimated as per UNFC (shall be given grade-wise/block-wise with land type separately)

<table>
<thead>
<tr>
<th>Classification</th>
<th>UNFC Code</th>
<th>Quantity</th>
<th>Grade</th>
<th>Land Type (Forest/Non Forest/Unspecified)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Mineral Resources (A + B)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(A) Mineral Reserve</td>
<td></td>
<td></td>
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<tr>
<td>(1) Proved Mineral Reserve..........</td>
<td>111</td>
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<td></td>
<td></td>
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<tr>
<td>(2) Probable Mineral Reserve........</td>
<td>121</td>
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<td></td>
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<tr>
<td>(B) Additional or Remaining Resources</td>
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<td></td>
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<tr>
<td>(1) Feasibility Mineral Resources...</td>
<td>211</td>
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<td></td>
<td></td>
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<tr>
<td>(2) Pre-feasibility Mineral Resources</td>
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<td>(3) Measured Mineral Resource.......</td>
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<td>(4) Indicated Mineral Resource......</td>
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<tr>
<td>(5) Inferred Mineral Resource......</td>
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<tr>
<td>(6) Reconnaissance Mineral Resource</td>
<td>334</td>
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</tr>
</tbody>
</table>

18. Beneficiation:
Beneficiation test carried out or not: ...........Yes/No........................................

(a) Details: ..........................................................
   (i) Scale (Laboratory/Plant) ........................................
   (ii) Sponsoring Agency............................................

<table>
<thead>
<tr>
<th>Assay of Original Sample</th>
<th>Assay of Concentration</th>
<th>Method</th>
<th>Wt % Recovery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assay of Original Sample</td>
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</tr>
<tr>
<td>Constituent</td>
<td>Unit</td>
<td>Constituent</td>
<td>Unit</td>
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<tr>
<td>Sample No.1</td>
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<td></td>
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<tr>
<td>1</td>
<td>2</td>
<td>3, etc.</td>
<td></td>
</tr>
<tr>
<td>Sample No.2</td>
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</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3, etc.</td>
<td></td>
</tr>
<tr>
<td>Sample No.3</td>
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<td></td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3, etc.</td>
<td></td>
</tr>
<tr>
<td>Sample No.4</td>
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</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Sample No.5</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3, etc.</td>
<td></td>
</tr>
</tbody>
</table>
19. **Year wise Production (In case of lease/mines only)**

<table>
<thead>
<tr>
<th>Production</th>
<th>Unit</th>
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<tbody>
<tr>
<td>2010-11</td>
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<tr>
<td>2011-12</td>
<td></td>
</tr>
<tr>
<td>2012-13</td>
<td></td>
</tr>
<tr>
<td>2013-14</td>
<td></td>
</tr>
<tr>
<td>2014-15</td>
<td></td>
</tr>
</tbody>
</table>

Average production of the last five years [unit]

20. **Source of information:**

(Title of reports, references of progress reports or records, etc.)

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**Signature of Lessee**

**Signature of RQP**