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# PROCEDURE FOR CERTIFICATION OF MINING ENGINEERS AND GEOLOGISTS

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SEPTEMBER 16, 2019

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12/5/19

DEPARTMENT OF GEOLOGY AND MINES  
Ministry of Economic Affairs

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## **Procedure of Mining Engineers and Geologists Qualification Certification**

This procedure is adopted to certify professional Mining Engineers and Geologists on the qualification to practice activities related to mining and geology for the lease of mines. Only the certified mining engineer shall be eligible to study and prepare reports related to mining specified in the certificate. Similarly, only the certified geologist shall be eligible to carry out geological activities specified in the certificate.

### **Objective:**

The objective of certification is to:

1. build professionalism that contributes to scientific mining operation;
2. ensure engineering supervision in the operation of all mines; and
3. ensure that the geological assessment, Pre-feasibility Study, the Mine Feasibility Study report etc. are prepared by the certified professionals.

### **Documents required:**

1. Application for qualification certification;
2. Copy of CID;
3. A foreign professional shall produce a copy of work visa or work permit;
4. Notarized copy of certificate of 4 years Bachelor of Engineering (Mining) or higher qualification from a recognized institution, in the case of Mining Engineer;
5. Notarized copy of certificate of 3 years Bachelor of Science (Geology) or higher qualification from a recognized institution, in the case of Geologist;
6. Notarized copy of a certificate of certificate course or diploma in Geology;
7. Curriculum vitae with passport size photo;
8. Notarized copy of any other documents which confirm applicants' professional development in relevant fields, if any; and
9. Certificate of employment or other documents to confirm applicants' employment, in the case of employee of a company.

### **Eligibility:**

1. Pre-feasibility study (mineability and social and environmental aspects): A professional with Bachelor of Engineering (Mining) or higher qualification from a recognized institution or diploma in Mining Engineering from recognized institution with a minimum of 7 years work experience in Bhutan.
2. Pre-feasibility study (geology): A professional with Bachelor of Science (Geology) or higher qualification from a recognized institution or a professional with certificate or diploma in Geology from recognized institution with minimum of 7 years of work experience in Bhutan.
3. Detailed Geological Assessment (non-metallic): A professional with Bachelor of Science (Geology) or higher qualification from a recognized institution or a professional with certificate or diploma in Geology with minimum of 7 years of work experience in Bhutan.
4. Mineral prospecting and Exploration (metallic): A professional with Bachelor of Science (Geology) or higher qualification from a recognized institution.
5. Final Mine Feasibility Study: A professional with Bachelor of Engineering (Mining) or higher qualification from a recognized institution.



6. Engineering supervision of mines: A professional with a minimum of diploma in Mining Engineering or higher qualification from a recognized institution as per MMR 2002 and the Guidelines for Leasing Mines.

**Procedure:**

1. A Mining Engineer or the Geologist shall apply for certification of his qualification to the Head of the Department of Geology and Mines along with all the required documents.
2. An applicant may apply for certification of his qualification to carry out any of the following activities as per this document:
  - a. Pre-feasibility study (mineability)
  - b. Pre-feasibility study (geology)
  - c. Detailed Geological Assessment
  - d. Mineral Exploration (non-metallic/metallic)
  - e. Final Mine Feasibility Study
  - f. Engineering supervision of mines
3. The DGM shall constitute a committee of 5 members (3-member quorum) comprising of Mining Engineers, Geologists and Legal Officer from Mineral Development Division, Mining Division and Geological Survey Division, chaired by the Head of the Department.
4. The Mineral Development Division shall compile and convene a meeting within a week from the date of receipt of application with complete documents.
5. A mining engineer or a geologist who has experience working in a relevant agency or reputed company for more than 7 years or having experience in carrying out the relevant activities for over 3 years may be accredited directly based on the documents submitted.
6. A professional without the required experience shall demonstrate to the committee on the skills and capacity to take up the relevant activities. A presentation shall be made to demonstrate his/her skills.
7. Certificate shall be issued in the prescribed form (annexure) with tick mark on the activities he/she can undertake.



# Mining Engineers and Geologists qualification certification process

## Application for certification

### Documents

CID

Notorized copy of degree certificate

Curriculum Vitae

Certificate of empoloyment, if employed

## Acceptance of application

### Official

Review by MDD

Schedule a committee meeting

## Committee Meeting

### Meeting

Review the documents

Presentation to demonstrate skills, if relevant

## Issue/Deny Qualification Certificate

### Activities

Pre-feasibility Study;

Pre-feasibility study (preliminary geological assessment);

Detailed Geological Assessment;

Mineral Exploration;

Final Mine Feasibility Study; and/or

Engineering supervision of mines