



GOVERNMENT OF KERALA

Abstract

Industries Department – Mining & Geology – Simplified mining plan for quarrying permit – Guidelines approved - Orders issued.

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**INDUSTRIES (A) DEPARTMENT**

G.O.(Rt) No.728/2017/ID

Dated, Thiruvananthapuram, 23/05/2017.

Read:- Letter No.5397/M3/2016 dated 24/12/2016 from the Director of Mining & Geology.

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**ORDER**

As per the letter read above, the Director of Mining and Geology Department has furnished guidelines for preparing simplified mining plan for quarrying permit for an area of less than or equal to one hectare for approval.


2. Government have examined the matter in detail and are pleased to approve the guidelines appended herewith for preparing simplified mining plan for quarrying permit for an area of less than or equal to one hectare.

(By Order of the Governor)  
**SANJAY M KAUL**  
SECRETARY

To

✓ The Director of Mining & Geology, Thiruvananthapuram.  
The Secretary, SEIAA, Thiruvananthapuram.  
The Principal Accountant General (Audit), Kerala, Thiruvananthapuram.  
The Accountant General (A&E), Kerala, Thiruvananthapuram.  
The Administrator, SEIAA, Thiruvananthapuram  
The Environment Department/ Revenue Department/ Local Self Government Department.  
All District Geologists.  
The Director, Information & Public Relations Department.  
Stock File/ Office Copy.

Forwarded / By order

  
Section Officer

**GUIDELINES FOR SIMPLIFIED MINING PLAN FOR QUARRYING PERMIT HAVING AREA LESS THAN OR EQUAL TO 1 HECTARE**

**1. GENERAL INFORMATION**

- i) Name and address of the applicant
- ii) Status of the applicant (individual / firm/ company)
- iii) Name and address of the authorised person who prepared the mining scheme.

**2. DETAILS OF THE APPLIED AREA**

- i) Name of Mineral
- ii) Description of the LOI (enclose copy of the sanction order)

Village	Taluk	District and State	Sy. Nos.	Status of land	Area	Remarks

- iii) Infrastructure facilities: nearest railway station, Police Station, Post Office, Fire and Safety office, medical facilities, water and electricity, education facilities, mode of transportation of mineral, etc.

**3. PHYSICAL AND GEOLOGICAL CHARACTERISTICS OF THE AREA**

- i) Physiography and drainage
- ii) Regional geology
- iii) Local geology

**4. RESERVE ESTIMATION**

- i) Method of estimation of reserves
- ii) Geological reserves and grades
- iii) Mineable reserves and anticipated life of the quarry
- iv) Number of existing pits, if any, their dimensions and locations

**5. MINING METHODS**

- i) Details of mining machinery deployed and their specifications
- ii) Blasting and explosives
- iii) Proposed method of mining
- iv) Proposed year-wise development for five years
- v) Proposed rate of production when the mine is fully developed
- vi) Conceptual Mining Plan
- vii) Safety precautions
- viii) Mine Drainage

6. EMPLOYMENT POTENTIAL AND WELFARE MEASURES
7. MEASURES TAKEN AND TO BE TAKEN FOR LAND RESTORATION, RECLAMATION AND PLANTATION IN OR NEARBY QUARRYING AREA.
8. MEASURES TAKEN AND TO BE TAKEN FOR PROTECTION OF ENVIRONMENT IN AND AROUND QUARRYING AREA.
9. MEASURES TAKEN AND TO BE TAKEN FOR DUMPING OF OVERBURDEN, STACKING OF TOP SOIL AND UTILIZATION OF TOPSOIL.
10. MEASURES TAKEN AND TO BE TAKEN FOR THE CONTROL OF WATER, NOISE AND AIR POLLUTION.
11. ANY OTHER INFORMATION.

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#### PLATES

- i) Location plan/ map of the applied area showing details of the approach roads to the quarry duly attested by the concerned tahsildar.
- ii) Topographical contour map showing GPS reading of boundary pillars
- iii) Surface cum geological plan
- iv) Surface and geological section.
- v) Year-wise development and production plan
- vi) Year-wise development and production sections
- vii) Conceptual and final mine closure plan
- viii) Satellite image showing permit area with latitude and longitude

#### ANNEXURES

- i) Possession Certificate
- ii) Statement of Village officer regarding 100 m surrounding
- iii) Survey map of the applied area countersigned by Tahsildar concerned
- iv) Certificate of recognition as Qualified Person.