GOVERNMENT OF KERALA

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

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

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)

<table>
<thead>
<tr>
<th>Village</th>
<th>Taluk</th>
<th>District and State</th>
<th>Sy. Nos.</th>
<th>Status of land</th>
<th>Area</th>
<th>Remarks</th>
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</thead>
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   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 specification
   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.

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.