

## GRANITE CONSERVATION & DEVELOPMENT RULES, 1999

New Delhi, the 1<sup>st</sup> June 1999

### NOTIFICATION

GSR 398(E).-.. In exercise of the powers conferred by section 18 of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957), the Central Government hereby makes the following rules for conservation and systematic development of and scientific mining to conserve, the granite resources and to prescribe a uniform frame-work with regard to systematic and scientific exploitation of granite through out the country, namely:-

- Chapter I - [Preliminary](#)
- Chapter II - [Prospecting & Mining of Granite](#)
- Chapter III - [Prospecting Operations](#)
- Chapter IV - [Mining Plan](#)
- Chapter V - [Mining Operations](#)
- Chapter VI - [Systematic & Scientific Mining](#)
- Chapter VII - [EMPLOYMENT OF QUALIFIED PERSONS](#)
- Chapter VIII - [Notices & Returns](#)
- Chapter IX - [Revision & Penalty](#)
- Chapter X - [Miscellaneous](#)
- [Schedule \(Forms\)](#)

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### Preliminary

#### 1. Short title and commencement.-

(1) These rules may be called the Granite Conservation and Development Rules, 1999.

(2) They shall come into force from the date of their publication in the official Gazette.

**2. Application.-** These rules shall apply to prospecting and quarrying of granite.

**3. Definitions.-** (1) In these rules, unless the context otherwise requires, -

(a) "Act" means the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957);

(b) "agent" when used in relation to a quarry, means any person whether appointed as such or not, who acts as the representative of the owner in respect of the management of the quarry or any part thereof;

(c) "development" means removing overburden or unproductive or waste materials as preparatory to mining;

(d) "drilling" means the penetration of alluvial material, rocks or formations by holes for obtaining geological information and for drawing samples therefrom;

(e) "environment" and "environmental pollution" shall have the same meanings assigned respectively to these terms in the Environment (Protection) Act, 1986 (29 of 1986);

(f) "Form" means a Form set forth in Schedule to these rules;

(g) "geologist" means a person appointed in writing by the prospecting licensee, owner or agent to perform the duties of a geologist under these rules;

(h) "granite" means dolerites, granite gneisses, migmatites, gabbros, anorthosites, rhyolites, syenites, leptynites, charnockites and any other igneous and orthometamorphic rock types which are -

(i) amenable to be recovered as dimensional stone;

(ii) capable of taking polish; and

(iii) commercially exploitable.

(i) "lease" means a lease granted for the purpose of undertaking mining or quarrying operations for granite;

(j) "manager" when used in relation to a mine or a quarry, means any person appointed by the owner or agent and includes the owner or the agent if he appoints himself to be such manager, under section 17 of the Mines Act, 1952 (35 of 1952);

(k) "mining engineer" means a person appointed in writing by the owner or agent to perform the duties of a mining engineer under these rules;

(l) "prospect" means an area where existence of granite has been established.

(m) "prospecting licence" means a licence granted for the purpose of undertaking any operation for the purpose of exploring, locating or proving granite deposits;

(n) "quarry" means an opencast working as defined in Mines Act, 1952 (35 of 1952);

(o) "recognised person" means a qualified person granted recognition by the competent authority under these rules to prepare mining plan;

(p) "sheet rock" means massive granite bodies but does not include boulders;

(q) "year" means the twelve months period beginning from the first day of April and ending on the thirty first day of March of the following year;

(2) All other words and expressions used in these rules but not defined shall have the meanings respectively assigned to them in the Act

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## **PROSPECTING AND MINING OF GRANITE**

**4. Prospecting to precede mining operations.-** No lease shall be granted by the State Government unless it is satisfied that there is evidence to show that the area for which the lease is applied for has been prospected earlier for granite or the existence of granite therein has been established otherwise.

**5. Period for which prospecting licence may be granted or renewed.-** The period for which a prospecting licence may be granted shall not exceed two years.

**6. Period for which leases may be granted or renewed.-** (1) The maximum period for which a lease may be granted shall not exceed thirty years.

Provided that the minimum period for which any such lease may be granted shall not be less than twenty years.

(2) A lease may be renewed for a period not exceeding twenty years.

(3) Notwithstanding anything contained in sub-rule (2), if the State Government is of the opinion that in the interest of development of granite it is necessary to do so, it may, for reasons to be recorded, authorise the renewal of a lease for a further period or periods not exceeding twenty years in each case.

**7. Minimum and maximum area for grant of a mining lease.-** (1) The minimum area that may be granted or renewed under a lease for ensuring mining activities to optimum depth shall not be less than one hectare;

(2) The maximum area that may be granted under a mining lease shall not exceed fifty hectares.

Provided that the State Government, if it is satisfied on the basis of proposed production level, geological or topographical conditions, may for the reasons to be recorded in writing, grant or renew a lease over an area more than the maximum area or less than the minimum area specified under this rule.

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## **PROSPECTING OPERATIONS**

**8. Scheme of prospecting.**- (1) Every holder of a prospecting licence for granite shall submit to the State Government or any person authorised in this behalf by that Government within a period of sixty days from the date of execution of the prospecting licence, a scheme of prospecting indicating the manner in which he proposes to carry out the prospecting operation, in the area covered by the licence and the scheme shall incorporate the following; namely:-

- (a) particulars of the area;
  - (b) the scale of the plan and the area of geological mapping;
  - (c) the number of pits, trenches, and bore holes which he proposes to put in the area and the locations thereof;
  - (d) the particulars of the machines to be used;
  - (e) the details of exploratory mining to be undertaken;
  - (f) the number of samples proposed to be drawn and tested;
- baseline information of prevailing environmental conditions before the beginning of the prospecting operations;
- (h) any other matter relevant for the preparation of a scheme of prospecting, as directed by the State Government or any person so authorised from time to time by a general or specific order.

(2) The prospecting scheme under sub-rule (1) shall be prepared by a recognised person or a geologist or a mining engineer employed under clause (a) of sub-rule (1) of rule 38.

**9. Modification of scheme of prospecting.**- (1) A prospecting scheme prepared and submitted under rule 8 may be modified at any time on geological considerations by the holder of a prospecting licence during continuance of the prospecting licence.

(2) Any modification carried out under sub-rule (1) shall be intimated to the State Government or any person authorised in this behalf by that Government, by the holder of a prospecting licence within a period of fifteen days.

**10. Prospecting operations to be carried out in accordance with scheme of prospecting.**-

Every holder of a prospecting licence for granite shall carry out the prospecting operations in accordance with the scheme of prospecting submitted under rule 8 or with such modifications, if any, as intimated under rule 9 or as directed by the State Government or any person authorised by that Government in this behalf.

**11. Report of prospecting operations.**- (1) Every holder of a prospecting licence for granite shall submit to the State Government or any person authorised in this behalf by that Government an annual report in Form A so as to reach them by 30<sup>th</sup> April for the previous year; Provided that a report in Form-A shall be submitted within a period of three months after the completion of abandonment of the prospecting operations or the expiry of the prospecting

licence, whichever is earlier.

(2) Where prospecting operations for granite are carried out by any authority specified in the second proviso to sub-section (1) of section 4 of the Act without a prospecting licence, such authority shall submit the annual report in Form A to the State Government or any person authorised by that Government in respect of each area where prospecting operations for granite have been undertaken by them.

Provided that this sub-rule shall not apply in a case where field operations consist of only geological mapping or geo-physical or geo-chemical investigations.

(3) The State Government or any person authorized in this behalf by that Government shall forward a copy, each of the annual report in Form-A received under sub-rule (1) or sub-rule (2), as the case may be, to the Controller General, Indian Bureau of Mines, within thirty days from the date of such receipt.

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## **MINING PLAN**

**12. Mining Plan as a pre-requisite to the grant of lease.-** No lease shall be granted or renewed by the State Government unless there is a mining plan duly approved by the State Government or any person authorised in this behalf by that Government for the development of the granite deposit in the area concerned.

**13. Mining plan to be prepared by a recognised person.-** (1) No mining plan shall be approved unless it is prepared by a qualified person recognised in this behalf by the State Government or any person authorised by that Government or by a recognised person under rule 22B of the Mineral Concession Rules, 1960.

(2) No person shall be granted recognition for the purposes of sub-rule (1) by the State Government or any person authorised by that Government unless he holds -

(i) a degree in mining engineering or a post-graduate degree in geology granted by a university established or incorporated by or under an Act of Parliament or any institution recognised by the University Grants Commission established under section 4 of the University Grants Commission Act, 1956 ( 3 of 1956) or any qualification equivalent thereto; and

(ii) professional experience of five years of working in a supervisory capacity in the field of mining or mineral administration after obtaining a degree or qualification required under clause ( i ).

**14. Grant of recognition by State Government.-** (1) Any person possessing the qualifications and experience required under sub-rule (2) of rule 13 may apply for recognition to the competent authority designated by the State Government for this purpose.

(2) The competent authority after making such enquiry as it deems fit, may grant or refuse to grant recognition and where recognition is refused, the competent authority shall record reasons

in writing and communicate the same to the applicant.

(3) A recognition shall be granted for an initial period of ten years and may be renewed for further periods not exceeding ten years at a time:

Provided that the competent authority may refuse to renew recognition for reasons to be recorded in writing after giving an opportunity of hearing to the person concerned.

**15. Approval and submission of mining plan.**- On receipt of the application for grant of mining lease for undertaking mining operations for granite, the State Government shall take decision to grant precise area for the said purpose and communicate such decision to the applicant and on receipt of the communication from the State Government of the precise area to be granted, the applicant shall submit a mining plan within a period of three months from the date on which such communication is received or such other period as may be allowed by the State Government for approval and the said mining plan shall incorporate -

(i) the plan of the precise area showing the nature and extent of the granite body; spot or spots where the excavation is to be done in the first year and its extent; a detailed cross-section and detailed plan of spots of excavation based on the prospecting data gathered by the applicant; a tentative scheme of mining for the first five years of the lease;

(ii) details of the geology and lithology of the precise area including granite reserves of the area;

(iii) the extent of manual mining or mining by the use of machinery and mechanical devices on the precise area;

(iv) the plan of the precise area showing natural water courses, limits of reserved and other forest areas and density of trees, if any, assessment of impact of mining activity on forest, land surface and environment including air and water pollution; details of scheme for restoration of the area by afforestation, land reclamation, use of pollution control devices and of such other measures as may be directed by the Central or the State Government from time to time;

(v) annual programme and plan for excavation on the precise area from year to year for five years;

(vi) any other matter which the State Government or any person so authorised may require the applicant to provide in the mining plan.

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## Mining Operations

### SYSTEMATIC AND SCIENTIFIC MINING

**29. Protection of environment.**- Every holder of a prospecting licence or a lease shall take all

possible precautions for the protection of environment and control of pollution while conducting prospecting, mining or processing of granite in the area for which such licence or lease is granted.

**30. Removal and utilisation of top soil.-** (1) Where top soil exists and is to be excavated for prospecting or mining operations for granite, it should be removed separately.

(2) The top soil so removed shall be utilised for restoration and rehabilitation of the land which is no longer required for prospecting or mining operations or for stabilising or landscaping the external dumps.

(3) Where top soil cannot be used concurrently, it shall be stored separately for future use.

**31. Storage of overburden, waste rock etc.-** (1) The overburden, waste rock and non-saleable granite generated during prospecting or mining operations for granite shall be stored separately in properly formed dumps on grounds earmarked.

(2) Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.

(3) Wherever possible, such waste rock or overburden or other rejects, shall be backfilled into the worked out granite quarry, where granite has been recovered upto the optimum depth, with a view to restore the land to its original use or desired alternate use, as far as possible and where the backfilling is not feasible, the waste dumps shall be suitable terraced and stabilised by planting vegetation or otherwise.

**32. Reclamation and Rehabilitation of lands.-** Every lease holder shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by prospecting or mining operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarry.

**33. Precaution against air pollution.-** Air pollution due to dust, exhaust emissions or fumes during prospecting, mining or processing operations for granite and related activities shall be controlled and kept within permissible limits specified under any environmental laws for the time being in force.

**34. Discharge of effluents.-** Every holder of a prospecting licence or a lease shall take all possible precautions to prevent or reduce to a minimum the discharge of toxic and objectionable liquid effluents from granite quarry, workshop or processing plant, into surface or ground water bodies, and usable lands. These effluents shall conform to the standards laid down in this regard.

**35. Precaution against noise.-** Noise arising out of prospecting, mining and processing operations for granite shall be abated or controlled by the holder of prospecting licence or a lease at the source so as to keep it within the permissible limit.

**36. Permissible limits and standards.-** The standards and permissible limits of all pollutants,

toxins and noise referred to in rule 33, 34 and 35 shall be those notified by the concerned authorities under the provisions of the relevant statutes from time to time.

**37. Restoration of flora.**- Every lease holder shall take immediate measures for planting in the area held under the lease or any other area selected by the State Government for this purpose, such number of trees sufficient to improve the environment and to minimise effects of land degradation during the entire period of such lease. He shall look after such tree plantations during the subsistence of the lease.

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### **EMPLOYMENT OF QUALIFIED PERSONS**

**38. Employment of mining engineer.**- (1) For the purpose of carrying out prospecting and mining operations in accordance with these rules, every holder of a granite quarry lease shall employ, -

(a) in the case of a mechanised granite quarry, a whole time mining engineer possessing the following qualifications, namely:-

(i) Degree in mining engineering with minimum one year's experience of working in mines including granite quarries, or

(ii) Post Graduate degree in geology with First Class Metalliferous Mines Manager's Certificate or Post Graduate degree in geology with minimum three years experience of working in supervisory capacity in mines including granite quarries, or

(iii) Diploma in Mining with First Class Metalliferous Mines Manager's Certificate or Diploma in Mining with three year's experience in supervisory capacity in mines including granite quarries, or

(iv) First Class Metalliferous Mines Manager's Certificate with minimum two years experience of working in mines including granite quarries after obtaining the certificate.

(b) in the case of a granite quarry lease other than the mechanised granite quarry lease, -

(i) a part time mining engineer possessing qualification as prescribed under clause (a) above; or

(ii) a part time mining engineer, possessing a post graduate degree in geology or Second Class Metalliferous Mines Manager's Certificate, or

(iii) a whole time mining engineer possessing Secondary School Leaving Certificate and Mine Foreman Certificate with minimum five years experience of working as Mines Foreman or



Mate in mines including granite quarries.

Explanation - For the purpose of this sub-rule, mechanised granite quarry means a granite quarry where machine capable of deep drilling is deployed or heavy machinery for excavation, handling or lifting or transporting of overburden and granite blocks is deployed.

(2) A part time mining engineer possessing qualifications prescribed in sub clause (i) of clause (a) of sub rule (1) may be employed to supervise upto a maximum of six granite quarries provided that all such granite quarries are located within a radius of fifty kilometers :

Provided that a person possessing the qualifications other than those prescribed in sub clause (i) of clause (a) of sub rule (1) may be employed as part time mining engineer in quarries upto a maximum of three granite quarries provided that such quarries are located within a radius of fifty kilometers.

**39. Duties of mining engineer.-** (1) It shall be the duty of the mining engineer to take all necessary steps to plan and conduct mining operations, so as to ensure conservation of granite, systematic development of the granite deposits and protection of environment in and around the granite quarry lease area in accordance with these rules.

(2) He shall be responsible for the preparation and maintenance of plans, sections, reports and schemes in accordance with these rules.

(3) He shall carry out all such orders and directions as may be given in writing under these rules by the State Government or any person authorised in this behalf by that Government and shall forward a copy of each of such orders or directions to the holder of prospecting licence or, as the case may be, the granite quarry lease.

**40. Supply of materials, appliances and facilities.-** (1) The mining engineer shall ensure that there is sufficient provision of proper materials, appliances and facilities at all times at granite quarry for the purpose of carrying out the provisions of these rules and orders issued thereunder and where he is not the owner or agent of the granite quarry, he shall make requisition in writing to the owner or agent for anything required for the aforesaid purpose. A copy of every such requisition shall be recorded in bound paged book kept for the purpose.

(2) On receipt of a requisition under sub-rule(1), the owner or agent shall provide as soon as possible the materials and facilities requisitioned by the mining engineer.

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## NOTICES AND RETURNS

**41. Half yearly and annual returns.-** (1) The owner, agent, mining engineer or manager of every granite quarry shall submit to the State Government or any person authorised in this behalf by that Government returns in respect of such granite quarry within the time specified in respect of such returns, namely :-

- (a) a half yearly return in Form-F for every half year ending 30<sup>th</sup> September and 31<sup>st</sup> March before the 15<sup>th</sup> of the following month for the preceding half yearly period;
- (b) an annual return in Form-G which shall be submitted before the 1<sup>st</sup> July of each year for the preceding year :

Provided that in case of abandonment or surrender of a granite quarry, such annual return shall be submitted within ninety days of the date of abandonment or surrender.

(2) The State Government or any person authorized in this behalf by that Government shall forward a copy, each of the half yearly return in Form-F and annual return in Form-G received under Clauses (a) and (b) of sub-rule (1), to the Controller General, Indian Bureau of Mines, within thirty days from the date of such receipt.

**42. Notice of certain appointments.-** When any new appointment is made of an agent, mining engineer, geologist and manager for the purpose of these rules or when the employment of any such person is terminated or any such person leaves the said employment or when any change occurs in the address of any such person, the owner of the granite quarry or the holder of the prospecting licence, relating to such appointment, termination, living or change in address shall, within fifteen days from the date of such appointment, termination, leaving or change in address, give a notice in Form-H to the State Government or any person authorised in this behalf by that Government.

**43. Records of boreholes.-** The owner, agent, mining engineer, geologist or manager of every granite quarry or the holder of a prospecting licence shall keep a record of all boreholes in Form-I and shall retain all records and samples of the strata passed through. He shall not destroy such records of boreholes and samples of strata except with the prior approval of the State Government or any person so authorised on this behalf.

**44. Transfer of records of transferees.-** When the ownership of a prospecting licence or a granite quarry lease is transferred, the previous owner or his agent shall make over to the new owner or his agent within a period of seven days of the transfer of the ownership, borehole cores preserved if any, all plans, sections, reports, registers and other records maintained in pursuance of the Act, rules or orders made thereunder, and all correspondence relevant thereto relating to the prospecting licence or granite quarry lease; and when the requirements of these rules have been duly complied with, both previous and the new owners or their respective agents shall forthwith send to the State Government or any person authorised in this behalf by that Government a detailed list of borehole cores, plans, sections, reports, registers and other records that have been transferred.

**45. Copies of notices and returns to be maintained.-** The owner, agent, mining engineer or manager of every granite quarry or a holder of a prospecting licence shall maintain the labour attendance register, production and despatch register, explosives consumption register, test reports and details of mining machinery and copies of all notices and returns, plans, sections and schemes submitted to the State Government or any person authorised in this behalf by that Government under these rules, at an office established by the licensee or lessee and these shall be made available at all reasonable times to the State Government or any person authorised in this behalf by that Government for inspection.

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## **REVISION AND PENALTY**

**46. Revision.-** (1) Any person aggrieved by any order made or direction issued by any person

authorised by the State Government to make or issue such order or direction under these rules may within ninety days of the communication of such order apply to the State Government for revision of the said order :

Provided that any such application may be entertained after the said period of ninety days if the applicant satisfies the State Government that he had sufficient cause for not making the application within time.

(2) Every order, against which a revision application is preferred under sub-rule (1), shall be complied with pending the decision of the State Government in such revision:

Provided that the State Government may on an application by the applicant, suspend the operation of the order appealed against pending disposal of the revision application.

(3) On receipt of an application for revision under sub-rule (1), the State Government after giving a reasonable opportunity of being heard to the aggrieved person, may confirm, modify or set aside the order or direction.

(4) Every application submitted under the provisions of this rule shall be accompanied by a Treasury Receipt showing that a fee of five hundred rupees has been paid into a State Government Treasury or any branch of the State Bank of India doing Treasury Business to the credit of the State Government.

**47. Penalty.-** Whoever contravenes any of the provisions of these rules shall be punishable with imprisonment for a term which may extend to one year, or with fine which may extend to five thousand rupees or with both and in the case of continuing contravention with an additional fine which may extend to five hundred rupees for every day during which such contravention continues after conviction for the first such contravention.

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## MISCELLANEOUS

**48. Facilities for undertaking research or training.-** Every holder of a prospecting licence or a lease shall afford all reasonable facilities to persons authorised by the Central Government or the State Government for the purpose of undertaking research or training in matters relating to mining or geology.

**49. Territorial jurisdiction.-** The territorial jurisdiction of a person authorised by the Central Government or the State Government for the purpose of these rules shall be as notified by the Central Government or the State Government, as the case may be, in the Official Gazette from time to time.

**50. Obligation to supply other information.-** The owner, agent, mining engineer, geologist or manager of every granite quarry shall furnish such information regarding such quarry or any matter connected therewith as the Central Government or the State Government or any person

authorised in this behalf by the Central Government or the State Government, as the case may be, may require by an order in writing and the information shall be furnished within such time as may be specified in the aforesaid order.

**51. Provisions of these rules to be applicable to Government.-** The Government or its agencies carrying out mining operations without a lease shall be bound by all the provisions of these rules in the same manner as they are applicable to holders of granite quarry leases.

**52. Applicability of the provisions of Minor Mineral Concession Rules framed by the State Government.-** The provisions of the Minor Mineral Concession Rules or any other rules framed by the State Government under section 15 of the Act shall be applicable to granite quarry leases to the extent they are not repugnant to or inconsistent with these rules.

**53. Delegation of powers.-** The State Government may, by notification in the Official Gazette, direct that any power exercisable by it under these rules may, in relation to such matters and subject to such conditions, if any, be exercisable also by such officer or authority subordinate to the State Government as may be specified in the notification.

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**GRANITE CONSERVATION & DEVELOPMENT RULES, 1999**  
**SCHEDULE**

**FORM  A**

(Yearly Report of Prospecting Operations carried out)  
(See rule 11(1) and 11 (2))

**IMPORTANT**

***This report duly filled in must reach To the concerned authorities by 30th April for the previous year or within 30 days***

***49 from the date of abandonment or within three months after the expiry of prospecting licence or completion of prospecting operations, whichever is earlier.***

1.State Government concerned or any person so authorised under rule

2.Controller General, Indian Bureau of Mines, Nagpur

1. Type of the granite for which prospecting operations has been granted : (a) (b)
2. Name and address of the licensee :
3. Particulars of the prospecting licensee :
  - (i) Date of execution :
  - (ii) Period : Years From : to :
  - (iii) Area under licence : Hectares
  - (iv) No. and date assigned by State Government to Prospecting Licensee. No. Date :
4. Location of the prospecting licenced area :
  - (i) Topo Sheet Number :

- (ii) Cadastral Survey or Khasra Number :
- (iii) Village : Taluka/Tehsil : District : State
- :
- (iv) Post Office : Police Station :
- (v) Nearest railway station : Distance :
- (vi) Nearest Rest House/Dak Bungalow :
5. Particulars of the Geologist or mining Engineer employed optionally, if any, for the prospecting licenced area:
- (i) Name and address :
- :
- :
- (ii) Qualification :
- (iii) Date of appointment :
- (iv) Status of employment : Whole time : Part time :
6. Status of Prospecting Operation: In Progress :  
please tick mark one of the boxes Completed :  
whichever is applicable Abandoned :
7. Total Surface area covered by prospecting work (hectare) :
8. Prospecting work completed during the year :
- a. Geological mapping : Area in Hectare : Scale :
- b. Pitting (i) No. of Pits :  
(ii) Grid Pattern :  
(iii) Depth (Mts.) Average :  
Maximum :  
Minimum :
- c. Trenching (i) No. of trenches (with interval) :  
(ii) Length (Mts) Average :  
Maximum :  
Minimum :
- d. No. and size of samples :
- e. Drilling :
- (i) No. of boreholes completed during the year (with size of core) :  
(ii) No. of boreholes in progress :  
(iii) Total yearly drilling (Mts.) :
- f. Particulars of drilling machines Type Make Capacity No.of  
drills
- g. Details of samples tested:  
(i) No. of samples tested :  
(ii) Complete report :  
(Testing the suitability as per market requirement)
- Place : Signature :  
Date : Name in full :  
Designation :

Note :

Please enclose a geological report describing the prospecting operations undertaken so far accompanied by the detailed geological plans and sections showing structural details such as joints, fractures, folds, faults, grain size, texture etc. and also showing locations of (a) bore holes, (b) pits, (c) trenches (d) sample positions etc. The report shall also contain the bore hole logs and the inferences drawn as a result of the study of the geology of the area and the interpretation of the bore hole cores, pits, trenches, reserves of granite and complete report of at least two representative samples indicating stone quality and suitability as per market requirements and the blocks proposed for mining operations.

**FORM-B**

(Notice of Intimation of Opening of Mine/Quarry)  
(See rule 23)

**IMPORTANT**

**Notices in this form shall reach the concerned authorities within any 15 days of the date of opening of the quarry or within 90 days of coming into force of these rules to intimate existence of a quarry, as the case may be.**

To  
1. State Government concerned or person so authorised under Rule 49  
2. Controller General, Indian Mines, Nagpur.

1. (i) Name of granite worked :  
(ii) Name of other mineral(s) worked, if any.:
2. Name of the quarry/mine :
3. Date of opening of quarry/mine:
4. Letter No. and Date through which the mining plan was approved :  
(Specify Authority)
5. Name and address of the Lessee/Owner :
6. Ownership of the quarry :
  - a. Public sector :
  - b. Joint Sector :
  - c. Private Sector :

(In case of Joint sector, specify percentage share of each company)

7. In case the lessee is a Company or a Partnership firm or Co-operative, indicate name and address of the Director-in-Charge and the Registered office :
8. Particulars of Quarry/Mining Lease (ML) :
  - (i) Date of execution :
  - (ii) Period : Years From : to :
  - (iii) Area under licence : Hectares
9. Location of the lease :
  - (i) Topo Sheet Number :
  - (ii) Cadastral Survey or Khasra Number :
  - (iii) Village : Taluka/Tehsil : District :  
State :
  - (iv) Post Office : Police Station :
  - (v) Nearest railway station : Distance :
  - (vi) Nearest Rest House/Dak Bungalow :
10. Name and address of previous owner, if any, and the date of abandonment :
11. Particulars of Agent :
  - a. Name and address :
  - b. Date of appointment :
12. Particulars of Mining Engineer:
  - a. Name and address :
  - b. Qualifications :
  - c. Date of appointment :
  - d. Status of employment :  
Whole time : Part time :
13. Particulars of manager :
  - a. Name and Address :
  - b. Date of appointment :

Place : Signature :











I certify that the information furnished above is correct and complete in all respects.

Place: Signature:  
Date : Name in full:  
Designation: Owner/Agent/Mining

Engineer/Manager

Note: Average daily employment is obtained by dividing the number of man days worked by the number of working days.

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**FORM-G:  
ANNUAL RETURN**

(See rule 41(b))

MINE / QUARRY CODE .....

(For the year 1st April 19.. to 31st. March 19..)

(To be submitted before 1st July each year for the preceding year or within 90 days of the date of abandonment /surrender)

- i) Type of the granite worked :
- ii) Name(s) of other mineral (s), if any .....

To,  
1.State Government concerned or any  
person  
so authorised under rule 49  
2.Controller General, Indian Bureau of

Mines,

Nagpur

- 1. Name and Location of the quarry/mine :  
Name of mine/quarry :  
village : Post Office :  
Taluka/Tehsil : District : State:
- 2. Name and Address of leasee/mine/quarry owner :
- 3. Lease Details  
Area in hectares: Date of Execution :  
Period (years):
- 4. No. of days the quarry/mine worked during the year :
- 5. Indicate reason(s) for work stoppage Reasons No.of days  
due to strike, lockout, monsoon,  
non-availability of labour, less  
demand etc. and number of days of  
work stoppage for each of these factors.
- 6. Employment of Qualified Personnel and Labour :
- 6.1 Number of technical and supervisory staff :

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Description Weather employed Partly employed  
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- a. Graduate Mining Engineer
  - b. Diploma Mining Engineer
  - c. Geologist
  - d. Other administrative, clerical  
& and technical supervisory staff
-

- 6.2 Salary paid to technical and supervisory Staff (Rs.)  
 6.3 Labour Employment : Male Female  
     a. Average daily employment  
     b. Wages (Rs.)  
 7. Production, Despatches, Stocks and Pit's Mouth Value:  
 7.1 Production of Raw sizes blocks during the year (Unit :Cu.M)

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Items	Total	Size-wise break up
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- a. Opening Stock  
 b. Production  
 c. Despatches  
     (i) Direct Exports  
     (ii) Domestic sale  
 d. Closing stock  
 e. Pit's Mouth Value (Rs.)

- 
- 7.2 Cumulative Production :  
     (since opening of quarry in Cu.M)  
 7.3 Waste and Rejects (Unit : Cu.M.)

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Item	During the year	Cumulative total
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- a. Quantity of waste generated as overburden  
 b. Quantity of waste generated incidental to mining or raw blocks  
 c. Quantity of waste generated as rejected blocks and dressing rejects  
 d. Despatches of waste and rejects (in accordance with above classification)

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8. Mining Machinery used during the year

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Type of Machinery	No. of units	Engine Horse Power of	No. of
		each unit	worked

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- (a)  
 (b)  
 (c)  
 (d)

- 
9. Consumption of Explosives  
 a) Gun Powder (Kg) :                      b) Detonator (Nos.) :  
 c) Safety Fuse (Metres) :                      d) Detonating Fuse (No. of coils)  
 e) Any other Explosive (Kg.) :

- (please specify with units)
10. Quantity and Cost of material consumed during the year
 

	Quantity	Cost (Rs.)
(i) Fuel (Lt.) :		
(ii) Electricity(KWH):		
(iii) Explosives :		
(iv) Other Materials :		
  11. Specification on fixed assets (Rs.) :
  12. Other expenses such as over-heads, maintenance, etc (Rs.) :
  13. Amount of Rent and Royalty paid (Rs.) :
  14. Annual production (last 3 years) (Quantity in M.Tonnes and in cubic metres) :
  15. Exports (last 3 years)  
(Separately for dimensional blocks in tonnage and value and for processed products in tonnage and value) :
  16. Reasons for increase/decrease in production during the current year as compared to the preceding year:

I certify that the information furnished above is correct and complete in all respects.

Place :	Name and Signature of
Date :	Owner/Agent/Mining
Engineer/Manager	

**Note :**

(a) In case there is stoppage of work, indicate reasons for work stoppage and number of days of work stoppage.

(b) Average daily employment is obtained by dividing the number of man days worked by the number of working days.

(c) Wage includes all cash payments including bonuses. Employers' contributions to provident funds, welfare activities etc. Concessions in kind should not be included in wages.

(d) The Pit's Mouth Value should represent the sale value of the granite at the pit head. In case of sales effected on F.O.R. or F.O.B. or any other basis, pit head sale value should be arrived at after deducting all the expenses incurred from quarry/mine to railway station or port or other point of sale, as the case may be (such as expenses on transportation, loading and unloading charges, railway freight, sampling and analysis, port handling, export duty and cess ).

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**FORM-H**

(Notice of certain Appointment/Resignation/Termination/Change of Address)  
(See rule 42)

MINE/QUARRY CODE.....

**IMPORTANT**

**Notice in this Form shall be given to the concerned authorities within 15**

To,  
State Government concerned

**days from the date of new appointment  
or termination from employment or  
resignation or change of address**

or any person so authorised  
under rule 49

**Agent/Mining Engineer/Geologist/Manager.**

1. Name and address of the Lessee/Prospecting Licencee:
2. Name of granite for which Mine/Quarry Lease/Prospecting Licence is granted :
3. Name of Lease/Prospecting Licenced area :
4. Location of Lease/Prospecting Licenced area:
  - (i) Topo Sheet Number:
  - (ii) Cadastral Survey or Khasra Number:
  - (iii) Village : Taluka/Tehsil: Dist: State:
  - (iv) Post Office: Police Station:
  - (v) Nearest railway station : Distance:
  - (vi) Nearest Rest House/Dak Bungalow:
5. Particulars of Lease/Prospecting Licence (Hectare):
  - (i) Date of execution :
  - (ii) Period : Years from : to :
  - (iii) Area under Quarry Lease/prospecting licence (Hectare):
6. Please indicate whether notice is given in respect of :
  - (i) New appointment :
  - (ii) Resignation/termination of employment :
  - (iii) Change of address :(Strike out whichever is not applicable)
7. In case of appointment of Agent/Mining Engineer/Geologist Manager, please indicate
  - (i) Name :
  - (ii) Designation :
  - (iii) Address:
  - (iv) Qualifications :
  - (v) University/Institution from which passed:
  - (vi) Date of appointment :
8. If the appointment is that of a Mining Engineer or a Geologist, please indicate
  - (i) Whether appointment is Whole time: Part time :  
(Please tick mark whichever is applicable)
  - (ii) Names, locations and ownership of all other Quarries/prospecting licence which he will supervise.
9. In case of resignation/termination of employment of Agent/Mining Engineer/Geologist/ Manager, please indicate :
  - (i) Name :
  - (ii) Designation :
  - (iii) Date of resignation/termination of employment :(In case the vacancy so created has been filled in please furnish the particulars of the same in columns 6 and 7).
10. In case of change of address of the Lessee/Agent/Mining Engineer/ Geologist/Manager, please indicate:
  - (i) Name :
  - (ii) Designation :
  - (iii) Present address :
  - (iv) Date of change of address :

Place :  
Date :

Signature :  
Name in full :  
Designation :

Owner/Licencee

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**FORM-I**

(Particulars to be recorded in a durable bound paged book in respect of each bore hole/pit)

(Seel rule 43)

1. Type of the granite for which license or lease is granted :
2. Name and address of the Lessee/Licensee :
3. Name of the mine/quarry/prospect :
4. Location of Lease/Prospecting Licenced area :
  - (i) Topo Sheet Number:
  - (ii) Cadastral Survey or Khasra Number:
  - (iii) Village : Taluka/Tehsil: Dist:

State:

- (iv) Post Office: Police Station:
- (v) Nearest railway station : Distance:
- (vi) Nearest Rest House/Dak Bungalow:
5. Type and make of the drill and size of core :
6. Bore hole/pit number and its location :
  - (a) Reduced levels at the collar of the borehole/pit
  - (b) Inclination and bearing of the hole.
  - (c) Altitude of the formation
7. Duration of drilling/pitting
  - (a) Date of commencement : (b) Date of completion:
8. Total length of the hole/pit :
9. Purpose of drilling/pitting :
10. Total operating expenditure incurred (Rs.) :
11. Details of intersection (as given below)
  - a. Run Details
    - From (Mt.) : To (Mt.) :
    - Width (Mt.) : True Width (Mt.) :
  - b. Size of core/pit
  - c. Percentage recovery of core
  - d. Lithology
  - e. Details of test carried out :  
(indicate physical properties and stone quality)

Place :  
Date :

Signature :  
Name in full :  
Designation: Owner/Agent/Mining

Engineer/Manager

[No. 1/1/99-M.VI]  
S.P. Gupta, Jt. Secy.

