



**IBM MANUAL
ON
APPRAISAL OF MINING PLAN
2014**

Issued
by

Controller General In-charge
Indian Bureau of Mines
Nagpur

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Chapter-1. **INTRODUCTION**

- 1.1 The amendments in Mines and Minerals (Development & Regulation), Act 1957 (herein after referred as MMDR Act, 1957), Mineral Concession Rules, 1960 (herein after referred as MCR, 1960), and Mineral Conservation and Development Rules, 1988 (hereinafter referred as MCDR, 1988) have brought into focus the dynamic component of the Indian mineral legislation with special regard to the much needed impetus required for scientific development of mines, proper planning, conservation, environment preservation etc.
- 1.2 Under the MM(D&R) Amendment Act, 1986, a new thrust to the mineral development activity in the country has been given as per the provisions of section 5(2)(b) which requires that the application for grant of mining lease should be accompanied by a duly approved mining plan. Indian Bureau of Mines (IBM) has been authorized by the Central Govt. to approve mining plans. By virtue of power conferred under Mineral Conservation and Development Rules, 1988 IBM has been given powers of approval of scheme of mining / Progressive Mine Closure Plan and Final mine closure plans. By virtue of amendment in MCR, 1960 vide G.S.R. 56(E) dated 17.1.2000 State DGMs have been authorized by the Central Govt. to approve mining plans/scheme of mining / Progressive Mine Closure plan and Final mine closure plans in respect of 29 Minerals specified in rule 22(4A) of MCR, 1960 subject to certain conditions. Few State Governments have been exercising this power.
- 1.3 The amended MCR, 1960 under rule 22(5) specify the contents of mining plan which is required to include details such as extent of mineral body, geology, lithology, mineral reserves, extent of mechanization, plan of area indicating water course, water pollution etc. The mining plan thus indeed becomes an extremely vital document for scientific development of mineral deposits particularly since the applicant is required to carry out mining operations strictly according to the approved mining plan as per rule 22A of amended MCR, 1960 and rule 13(1) of MCDR, 1988. Rule 22B of MCR, 1960 stipulates that mining plan should be prepared only by recognized persons who are duly qualified and experienced. The Chief Controller of Mines and Regional Controllers of Mines of IBM has been delegated powers to grant recognition for preparing mining plans.
- 1.4 In order to facilitate the officers of IBM and the State DGMs in dealing with new responsibilities of approval of mining plan/ scheme of mining/final mine closure plan and recognition of qualified persons for preparing mining plans, this manual has been specially designed which gives necessary background information, procedure, details, outlines and guidelines.
- 1.5 Chapter 2 on “Recognition of persons to prepare mining plans” sets out details of procedures followed in granting recognition/refusal to qualified persons for preparing mining plans under the provisions of MCR, 1960. Explanation is given of the methodology of numerical notation of the registration number.
- 1.6 Exhaustive details governing the processing and examination of mining plans are given in Chapter 3 with regard to geology, opencast mine, underground mine, environment, mineral beneficiation.

- 1.7 Chapter 4 on “Guidelines for scrutiny of mining plan” gives useful guidelines for scrutiny of mining plans and lists the aspects to be checked and examined.
- 1.8 Chapter 5 is the format for preparation for Mining plan/ Scheme of Mining including Progressive Mine Closure Plan.
- 1.9 Chapter 6 is on guidelines for preparation of Final mine closure plan gives useful details for preparing the FMCP with a basic objective of sustainable development both for the mines and for community living in that area.
- 1.10- Chapter 7 is on Frequently Asked Questions (FAQ)

Chapter-2

RECOGNITION TO PERSONS TO PREPARE MINING PLANS

2.1 Relevant amendments

As per amended rule 22B(1) of MCR,1960 a mining plan is to be prepared by a **recognized person** who satisfies the qualification and experience stipulated in rule 22B(2) of MCR. Under rule 22C, the Chief Controller of Mines and Regional Controller of Mines have been declared as competent authority to grant/refuse recognition.

2.2 Prescribed forms for applying for recognition :

For seeking recognition as **recognised person** under rule 22C, prescribed application forms are Form A and Form B. Form A is for individual applicant and priced at **Rs.100/-** (Annexure I). Form B is for organization applicant and priced at **Rs.500/-** (Annexure II). There are six copies of enclosures to Form B for the bio data of upto six key persons. **The Certificate for individual/organization shall be provided by the regional office in a comparatively thick photo / glossy paper for better durability.**

2.3 Procurement and submission of forms :

An applicant may obtain on payment his application form the regional office under whose jurisdiction the place he normally resides, falls. Alternatively the application form can be downloaded from the website of IBM i.e www.ibm.gov.in.

The completed application may be submitted to the Regional Controller of Mines under whose jurisdiction the applicant normally resides. In case the application has been downloaded from he IBM website the amount of fees of **Rs. 100/-** for Form A and **Rs. 500/-** for form B is to be submitted in the form of a Bank Draft.

2.4 Processing of Forms :

2.4.1- Required enclosures

The Regional Controller of Mines may examine the application in accordance with Rule 22C of MCR, 1960 and instructions issued from time to time.

The enclosures required are:

- (i) Attested copies of Matriculation/Higher Secondary certificate.
- (ii) Attested copies of Degree in Mining Engineering/Post Graduate degree in Geology or equivalent granted by a University.

- (iii) Attested copies of all appointment letters after passing Degree in Mining Engineering/Post Graduate degree in Geology or equivalent granted by a University.
- (iv) Attested copies of all experience certificates of professional experience of working in a supervisory capacity in the field of Mining after obtaining the Degree in Mining Engineering/Post Graduate degree in Geology or equivalent granted by a University. The minimum experience required is 5 years.
- (v) Three passport size photographs.
- (vi) The latest pay slip of the organization where the applicant is working

2.4.2-Grant or refusal of recognition

The Regional Controller of Mines after complete satisfaction if necessary by personal interview may accord recognition to applicant or refuse recognition as the case may be. The reasons of refusal are to be recorded in writing. In case of renewal of recognition, an opportunity of hearing may be given to the person concerned in case of refusal and reasons of refusal may be also recorded in writing. Decision regarding recognition should be recorded in the space provided for office use only at the end of Form A&B. If necessary, separate sheets may be attached for reporting reasons for refusing grant of recognition.

The refusal may be communicated to the party in form of letter given in Annexure III. The reasons for refusal shall also be recorded in the letter.

The recognition may be granted in the certificate given at Annexure IV A and IV B for individual and organization respectively. The recognition granted is valid for 10(ten) years.

It is desirable that the certificate is not to be laminated as the renewal is processed and stamped on the original certificate.

2.4.3- Period of Recognition and renewal

The Grant of Recognition is for a period of 10 years. The renewal is to be granted upto a maximum period of 10 Years. The period of renewal is to be decided by the competent authority, it can be less than 10 years. **In case the age of the applicant exceeds 60 it is desirable to have a medical certificate of fitness for grant and renewal both.**

2.4.4 Procedure for giving registration numbers

Registration number should be given containing the following segment of information in the order

- a) A notation RQP indicating that it is for recognition for the qualified persons followed by.
- b) The regional office code of Regional office which has granted recognition (Annexure V) followed by
- c) The running serial number of recognized person in three digits running from 001 to 999 followed by
- d) Year of registration and validity (10 years)
- e) Whether the applicant is individual or an organization.

Thus in respect of first individual qualified person recognized the number would be as follows :-

RQP/Regional office code/001/year of registration/A.

The serial number mentioned in item (c) above shall be common for individual and organization both.

2.4.5- Disposal of application of recognition

An application for grant/ renewal shall be disposed off by the Regional Controller of Mines concerned within 30 days from the date of receipt of complete application. All clarifications must be sought at one time.

A copy of the order granting recognition or refusal should simultaneously be endorsed to Chief Controller of Mines and the Controller of Mines concerned for information.

While forwarding letter of recognition to an applicant, a proforma of annual return (Annexure VI) should be endorsed which he will be required to submit giving information and particulars of the mining plan prepared by him during the year under review. This annual report is to be submitted by 31st July for the year ending 31st March. It may be specified that the Recognised person may visit the website of IBM regularly for updated information/instructions. It may also be specified that in case of change of address the Recognised person shall intimate the Regional Controller of Mines.

The application for RENEWAL of recognition may be dealt as per the office Procedure elaborated in Annexure VII

2.4.5.1- Additional instructions for processing of Form B

Additionally the following aspects are to be observed by the Regional Controller of Mines while processing the application for application for recognition to an Organisation who have applied in Form B

- i) A key person in Form B must be a whole time employee of the company
- ii) A company should submit names of at least two key persons with requisite qualification and experience in Form B.
- iii) Form of declaration to be given by the applicant while seeking recognition under rule 22C of MCR, 1960 as a company/organization/association etc is enclosed as Annexure VIII.
- iv) It is possible that a key person in the employment of applicant firm, association, company etc may leave the firm and another person(s) holding requisite qualification and experience who could be regarded as suitable key person may join. Therefore while issuing the certificate of recognition to the firm, association or company, forwarding letter should convey instructions that the company shall inform the Regional Controller of Mines by a letter in duplicate within one week of the change, the name of key person dropped and proposed to be added. It may be made clear to the company that in case of default, certificate of recognition would be deemed as invalid. The Regional Controller of Mines is to convey his decision regarding approval of proposed key person(s) in his reply to company's letter. The duplicate copy of company's letter and reply of Regional Controller of Mines should be sent forthwith to the Controller of Mines for information.
- v) It shall also be the duty of key person(s) to inform the Regional Controller of Mines about their leaving employment of the company who had mentioned their names as key persons in the application for grant of certificate of recognition to prepare mining plans.

- vi) While granting certificate of recognition, forwarding letter should also mention that any mining plan prepared by the company and submitted by authorized persons should also bear the signatures of key persons who have contributed to preparation of mining plan.
- vii) The names of key persons and their qualifications should also be mentioned on the reverse side of the certificate of recognition.

2.5 Information on monthly reports and Maintenance of records of Recognition.

The regional offices shall send a monthly report on grant of recognition and renewal in Annexure IX.

All regional offices should maintain a control register of registration of qualified persons as per Annexure X. Additionally IBM Head Quarters updates the recognition related matter in the IBM's website after receiving copies of the grant/renewal of Recognition.

Chapter-3**PROCESSING AND EXAMINATION OF MINING PLANS****3.1 General**

3.1.1. It is now obligatory on the part of applicant to submit an approved mining plan along with a mining lease application submitted for grant or renewal in Form I or J under Section 5(2) of MMDR Act, 1957 and rule 22(4) and 24A of MCR, 1960. **The first submission letter of Draft mining plan must be submitted under the Signature of lessee.**

3.1.2. However as per rule 26 of MCR, application for renewal of mining lease made under 24A shall not be refused by the State Government only on the ground that Forms J is not complete which includes a Mining Plan under (xC) of item2.

3.1.3. The mining plans are submitted to IBM for approval as Central Govt. has vested this power to Controller General/Chief Controller of Mines/Controller of Mines/Regional Controller of Mines of IBM vide Notification No.445(E) dated 28-4-1987 (**Annexure XI**). As already mentioned at para2.3.2 the State Governments have also been given the power of approval of Mining Plans of opencast mines subject to certain conditions. This power has been given to them under rule 22(4A) of MCR, 1960.

3.1.4. The mining plan pertaining to all minerals mentioned in rule 2 of MCDR, 1988 shall be considered by IBM for approval except for the minerals as specified in Rule 22(4A) of MCR, 1960 where the State Government shall be competent to approve mining plan of open cast mines (mines other than the underground mines) in respect of the 29 non-metallic or industrial minerals in their respective territorial jurisdiction.

3.1.5. The mining plan shall be prepared by the recognized person by following Format at Chapter 6 as far as possible. The mining plans should be scrutinized strictly with regard to their adequacy in respect of mineral conservation, scientific and systematic mining and environment management as the essential purpose to the maximum extent practicable.

3.1.6. The contents of mining plan of small mines which constitute majority may be far less than content of mining plans of large mines, even though the format followed is the same. The distinction between small and large mines should be kept in view while scrutinizing the mining plans. Small mines may have nothing to mention against some of the items of the proforma for the document.

3.1.7. The mining plan shall be initially submitted in draft form and in two copies (In cases involving beneficiation plant three copies) by the party to concerned regional office along with processing fee @ Rs.1, 000/- per sq.km or part thereof. As per the IBM' letter no T-44006/CGBM/1/2005 dated 9.2.2012 followed by item 32(ii) of Zonal/Regional heads meeting held on 5 and 6 November, 2012 circulated vide CCOM's letter no. K-11011/1/2012/CCOM dated 14.12.2012 a copy of the draft MP/MS/ FMCP has to be sent immediately on receipt to the State Government seeking their comments giving 30 days time. However in case of mine involving processing through beneficiation plant, a soft copy will also be submitted.

3.1.8. The Regional office shall issue a receipt of draft mining plan to the party in the proforma given in Annexure XII.

3.1.9. The draft mining plan may be examined whether it is fit for processing. In case it is sub-standard it may be disapproved without any field inspection.

3.1.10. In case the Mining plan is found fit for processing it is to be inspected. For examination of beneficiation operations, a copy may be sent to the concerned zonal SOOD office seeking their comments giving 30 days time. For mining plan submitted for fresh grant of ML site inspection is compulsory (except in cases of highly disturbed areas from law and order point of view). In such cases collection of grab sample from face may be collected by the inspecting officer and be sent to the Ore dressing Laboratory for confirming the mineralisation for which the State Government has issued the Letter of Intent. In case of mining plan submitted for renewal of mining lease or a scheme of mining where the mine has been inspected within past six months the inspection may be dispensed depending on the complexity of the deposit and mining operations. All fully mechanized mining proposals may be scrutinized and inspected jointly by a Mining Engineer and Geologist as far as possible. All clarifications from the party shall be sought in one go.

3.1.11. A specific period should be given to the party for submission of modified mining plan failing which the mining plan should be rejected. However, one or two grace periods can be given for submission depending on merit.

3.1.12. After modification, the party will submit three (3) copies of mining plan/scheme of mining /FMCP along with the entire document in single MS word file and plates in AutoCAD compatible or jpeg format in two CD to be dealt with as follows:

- i) One copy for use of regional office along with one CD/DVD.
- ii) One copy to the concerned DGM of the state; and
- iii) One copy to the party.

Note- The copy of approved document is to be sent by Registered Parcel/Speed Post to the address for correspondence and should not be handed over to the lessee/applicant by hand. All letters should be by assured post only.

3.2 Scrutiny of Mining plans/scheme of mining /FMCP

3.2.1. All the draft mining plans/scheme of mining /FMCP shall be scrutinized by the regional office. **Mining Plans for fresh grant of ML maybe through PL route or Direct ML. If it is through PL route compliance of MCD Rules compliance of rules 4,6 and 8 shall be checked. In case of non compliance of these rules and submission of the report at a later date or submission of PL report with the Mining Plan, the authenticity of the PL report shall be verified from the State Government. In case of direct ML compliance of UNFC reserves for 5 years of Mining Operation as per IBM's Circular is to be verified.**

3.2.2. For convenience of scrutinizing officer, general guidelines in respect of geology, opencast working, underground working, environmental management/ reclamation and rehabilitation plan and beneficiation are given in Chapter 5.

3.2.3. The approval of mining plan/scheme of mining /FMCP of all mines will be done at the Regional office. The offices in which the Deputy Controller of Mines are authorized by the CG, IBM the scheme of mining for “B” Category Mines shall be approved by the Deputy Controller of Mines. In case of Mines/areas with Beneficiation Plants the OD officials will be involved.

3.3 Site Inspection

3.3.1. The mining plan for fresh grant cases shall be approved only after site inspection is carried out (except in cases of highly disturbed areas from law and order point of view) along with Recognized Qualified Person and the representative of applicant. The precise demarcation of the area for which mining plan is to be approved is of paramount importance, therefore it will be preferred that the area proposed to be granted is duly demarcated in the field by the State Government and the geo-coordinates of the precise area are available in the letter of Intent issued by the State Government. For site inspection of fresh grant areas representative of state directorate of Mining & Geology may be ensured particularly for identification of the precise area in the field. In other cases like scheme of mining the inspecting officer shall ensure the presence of boundary pillars in the mining lease area especially near the working zones to the extent possible and also if boundary pillars are not seen the same should be brought to the immediate notice of the State government by a separate letter. Further the approval of the plan document shall be subject to erecting of boundary pillars failing which action is to be initiated as per provisions of the act and rules. The adequacy of data and correctness of information in the mining plan should be checked at site.

Site inspections should be made by a Mining Engineer and a Geologist as far as possible particularly for all “A” Fully Mechanised operations.

3.3.2. In case of mining plans submitted for renewal of lease/ scheme of mining earlier office records should also be consulted, especially to check compliance of violations/ suggestions regarding exploration, environment protection measures etc.

3.3.3. In case the mine has been inspected during the past six months the site inspection can be dispensed with depending with the complexity of the mine and nature of operations. It is at the discretion of the Regional Controller of Mines/OIC.

3.4 Approval of Mining plan/scheme of mining /FMCP:

3.4.1 Disposal of application for approval/ refusal of the mining plan shall be in accordance to rule 22(4B) of the MCR’1960.

3.4.2. The approval/ rejection of mining plan/scheme of mining /FMCP should preferably be on the prescribed format (Annexure XIV to XIX)

3.5 Endorsement of Correspondence: A copy each of all the correspondence with the party and reply of the party to Regional Controller of Mines should be endorsed to the concerned COM for information.

3.6 Miscellaneous : If mining plan has more than one major mineral and for any one of the mineral IBM is the approving authority the mining plan of all the major minerals shall be disposed by IBM.

All circulars/guidelines/instructions issued by IBM from time to time should be followed while disposing mining plan.

All endeavor should be made by IBM to dispose off the mining plan/scheme of mining /FMCP within 90 days excluding the time taken by the party for modification, preparation of supplementary note etc.

Chapter-4
GUIDELINES FOR SCRUTINY OF MINING PLANS/SCHEME OF MINING /FMCP

4.1 Geology and Reserves

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

4.1.2. 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:

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

4.1.3. Details of Exploration already carried out.

In case the area has been explored by a formal Prospecting license, details of submission of a copy of the prospecting report in form B under Rule 8 of MCDR, 1988 submitted to the Regional office may be verified. If so the data provided may match the information given in the mining Plan. In case the area was not held by prospecting license and formally explored by other agencies, the exploration details may confirm to minimum 5 years envisaged tonnages from tentative ROM excavation under reserve category of UNFC. The exploration details may include

- i) Details on exploration already carried out in the area with regard to location of pits, trenches, boreholes, exploratory mine workings like adits, shafts, inclines, and old workings etc may be shown on geological plan mentioned above. These may accompany suitable longitudinal and transverse geological sections, on a minimum scale of 1:2000 for opencast mines depending upon the complexity of deposit and variation of grade. Sections are to be prepared using borehole/pit/trench/ lithologs. In case it is more than 1:2000 scale, a copy of the letter of the Chief Controller of Mines for relaxation of Scale under rule 27(4) of MCDR, 1988 may be attached.
- ii) Verify Copies of notices in form J of the preceding 5 years period submitted to IBM under MCDR'88 regarding prospecting/ exploration undertaken within the mining lease or during prospecting license period in case of mining plan of fresh Grant.
- iii) Lithologs of pits, benches, boreholes and other exploratory workings along with sampling data may be given showing locations of samples and their chemical analysis results. Recovery and tonnage factor may be calculated from ore actually produced from pits and trenches.
- iv) Geological plans of all underground exploratory workings with assay data may be available on a suitable scale, minimum scale being 1:1000
- v) Geological longitudinal sections and transverse sections at 30m interval and above depending upon extent, complexity of deposit and variation of grade on scale 1:1000 are also to be enclosed for underground mines.
- vi) Details of geophysical and geochemical exploration carried out if any.

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

- i) The scheme of exploration may be consistent with the tentative excavation programme indicated by applicant and may include the quantum of work with anticipated results. The entire potentially mineralized area if not explored as per UNFC, exploration proposal may be inbuilt in the 5 Year planning to explore under G1 level of exploration as per UNFC

guidelines along with feasibility study and economic evaluation of the deposit. The exploration proposal should be furnished year wise and site specific manner.

- ii) The exploration details may include pitting, trenching, drilling and exploratory mining wherever necessary. All such proposal of exploratory workings may be distinctly marked on the geological plan yearwise in different colours.

4.1.4 Reserve/Resource Estimation:

4.1.4.1 Parameters for Estimation: The parameters considered for estimation of reserve/resource and basis for their categorization may be defined, which may include the following:-

- i) Delineating shape and size of ore shoots or mineralized zones with authentic exploration data.
- ii) Determination of bulk density and recovery factor based on field test.
- iii) Critical examination of grade characteristics spelling out size and grade distribution.
- iv) Cut off grade of ROM with reference to threshold value.
- v) Basis of categorization of reserves and resources based on intensity of exploration, feasibility or pre-feasibility and economic evaluation study results as specified under UNFC field guidelines.

4.2 Opencast mining:

4.2.1. Justification for opencast mining vis-à-vis configuration of deposit and nature of ore body and wall rocks

4.2.2. Check reserves considering various barriers, roads, canals, buildings, human settlements etc.

4.2.3. Year wise tentative OB removal, Rom removal, Total Excavation.

4.2.4. Verify excavation proposal for correctness and feasibility, keeping proposed mining system, machinery and man power in view. The following points have to be looked into in particular;

- i) Appropriate bench heights and widths
- ii) Number of pits and their necessity in relation to concentration of workings
- iii) Accessibility for transport from various working benches.
- iv) Grade control considering blending possibility
- v) Provision of sump

4.2.5. Check norms of performance for drilling, blasting, loading, etc both for man and machinery. For this purpose thumb rules may be used (see 5.2.9). If there is human settlement or buildings nearby, ask for ground vibration and noise level study.

4.2.6. Check for standby provisions

4.2.7. Check roughly ultimate pit limit keeping an ultimate slope of 35 degrees to 60 degrees depending upon nature of wall rocks.

4.2.8. Check location of waste/subgrade dumps/stacks, buildings etc in relation to ultimate pit limit and mineralisation of the area. Dumping in or along or in the vicinity of valley should be avoided. Dumping in retreat manner should be preferred.

4.2.9. Thumb rules of performance of common mining machinery and powder factor in different rock

Mining Machinery

Drills

Type	Size	Performance/shift
Jack Hammers	33mm	30 to 45 mtr
Wagon drill	100mm	25 to 36 mtr
Top Hammer Drill Atlas Copco Roc F 8	100mm	15 to 20m/hr
Atlas Copco Roc F 9	100mm	25-30m/hr
ROC L8(Atlas Copco) DTH	150mm	18 to 25m/hr
Drill master – I.R.	150mm	20 to 30 mtr
Drill master – I.R.	225mm	20 to 30 mtr
<u>Norms of air consumption</u>		
Jack hammers		3m ³
Wagon drills		6m ³
Large dia blast hole drill	150mm	10m ³
-do-	225mm	15m ³

Loaders

Rope shovel	1.9m ³	750 to 1000 tonnes
-do-	4.6m ³	2500 to 3000 tonnes
Hydraulic shovel	2.3m ³	1000 to 1500 tonnes
-do-	3.0m ³	1200 to 1800 tonnes-do-
-do-	3.5m ³	2000 to 2500 tonnes -
-do-	6.0m ³	3000 to 4000 tonnes
-do-	10.0m ³	7000 to 10000 tonnes

Dumpers

1.5 km haul distance	25 tonnes	400 tonnes
0.5 km -do-	35 tonnes	2000 tonnes
2.5 km -do-	35 tonnes	500 tonnes
2.0km -do-	90tonnes	1500 tonnes

1.5km -do-	50tonnes	1000tonnes
1.7km -do-	100tonnes	2000tonnes

Powder Factor (tonnes of rock/kg of explosive)

<u>Mineral</u>	<u>Type of drill used</u>	
	<u>Jack hammers</u>	<u>Deep hole blast</u>
<u>Iron ore</u>	4 to 6	5 to 8
<u>Limestone</u>	6 to 8	9 to 10

Note : The above figures may be treated as only rough guides. These may be modified on gaining experience.

4.2.10. Plans and sections:

Precise area map/lease plan, surface plan, geological plan& section, year-wise tentative excavation plan, reclamation plan, environment plan, financial area assurance plan and conceptual plan to be enclosed.

4.3 Guidelines for Scrutiny of underground mines**4.3.1. Specific reasons and factors for adopting underground mining**

- a) Examine details furnished for justification of underground mining so as to come to definite conclusion.
- b) Examine whether mining lease area covers sufficient dip side of deposit so that mines can be extended reasonably upto maximum possible workable limit in future.

4.3.2 Whether reserves are adequate for the whole lease period in case of mining plan for renewal under rule 24A for MCR'1960 or the area has potential to sustain for the lease period to be examined.

4.3.3 Plans and sections:

Surface plan, geological plan& section, year-wise tentative excavation plan, reclamation plan and conceptual plan shall be submitted.

4.3.4 Size of development, size of pillars should be such that working remains stable during development and stoping stages.

4.3.5. Size of level/winzes/raises/pillars: They should be commensurate with MMR,1961 and MCDR,1988 and should also take into account size of equipment to be used; pillars should be regular in size and shape in general and should be stable.

4.3.6. Level and Winzes intervals: They should not be too close which virtually amounts to partial stoping and should not be allowed. Ask for justification in cases of doubt.

4.3.7 Examination of proposed mining method: Here examine the workability of deposit and technical viability of the proposal submitted.

4.3.8. Year wise development in ore and waste: Proposed developments should be shown in plans and sections for every year levelwise in different colours preferably.

4.3.9. Proposed tentative yearwise ROM and waste excavation for five years.

4.3.10. Stopping proposals: The following may be examined

- a) Area covered under proposed stoping
- b) Justification for the method suggested
- c) Whether broad limit of stoping has been shown on plans and sections.
- d) Whether any cut off grade has been adopted.
- e) Proposed recovery (% extraction) from stoping.
- f) Dilution factors and grade control problems
- g) Any proposal for extraction of remnant pillars e.g. crown, sill etc.
- h) Minimum rate of development should be ensured in the mine while proposing for stoping.
 - i) In case of cut and fill stoping, source of fill material and nature of fill material (e.g. toxic etc)
 - j) Whether any surface subsidence has been visualized and if so, whether precautionary measures have been suggested.

Explanatory Note: We may not, however, go into much detail for examining of stoping while submitting mining plan as in any case, each stoping proposal has to be submitted statutorily under MCDR and cleared. As and when the mine has actually been developed for stoping, the proposal will be thoroughly examined. Therefore for the purpose of mining plan, we may be satisfied with reasonable stoping proposal outline submitted.

4.3.11. System of Winding: If depth of shaft is more than 60m, check if provision of man winding is provided.

4.3.12. Mine Ventilation: Adequacy of ventilation arrangement may be examined.

4.3.13. Extent of Mechanization: Whether different items of equipment provided are adequate including standby, if any to handle the tonnage to be mined.

4.3.14. Blasting:

- a) Whether drilling and blasting practices have been indicated separately for development and stoping
- b) Examine adequacy and efficiency of drilling blasting programme.
- c) Whether provisions for underground stoppage of explosives made, if any are according to explosive rules.
- d) Whether latest technology of drilling and blasting has been proposed.

4.3.15. Mine Drainage: Adequacy of pumping capacity may be provided.

4.3.16. Disposal of waste: Examine whether the rate of waste/subgrade mine generation is furnished and proposed to be taken out of mine regularly and separately stacked. Whether holding capacity of dumping site is adequate.

4.3.17. Reclamation of old working: Proposals for reclamation of old workings and sealing abandoned mines need be examined.

4.3.18. Safety Aspects: The following special points on safety aspects may be examined

- a) RL of collar of entry points in relation to higher flood level in the area.
- b) Whether 7.5m safety barrier along mine lease boundary has been considered
- c) Whether minimum of 13.5m distance between 2 shafts/inclines has been provided.
- d) Whether adequate size of shaft/pillars has been provided for stability during whole lease period
- e) Whether at least 16m surface cover is provided before opening 1st level.
- f) Whether there is any presence of old working/water logged areas within the area or within 60m distance from boundary.
- g) Precautions to be taken for approaching old workings, if any.

4.4 Guidelines for scrutiny with respect to environment:

4.4.1 Check whether any court order/Govt. order/statutory restrictions have been imposed prohibiting mining operations in the area. In that event, mining plan will be considered subject to these stipulations. In case of any doubt, collect additional information, clarification from the concerned authorities.

4.4.2 Baseline Information – Existing Land use pattern: Check existing land use pattern and ownership are furnished.

4.4.3 Water regime: Check whether information on surface drainage system has been furnished on surface plan/geological plan. Examine information on water quality.

Check whether environment impact assessment has been given or not. Quality of statement to be assessed in general. Special emphasis on land, water and human settlements should be given. Effect of blasting should also be examined.

4.4.4 Flora : Check information on the types and density of trees within lease area.

4.4.5 Storage and preservation of top soil :

- a) Thickness and types of soil occurring over mineralized area where mining is proposed and over the dumps and stacking area.
- b) Manner of removal of top soil and its preservation for reclamation of mined land or revegetation of waste dumps.

4.4.6 Proposal for reclamation of land affected by mining activities: Reclamation plan should be submitted.

4.4.7 Measures for dust suppression: Dust suppression measures should be such that dust suppressed by sprinkling of water at or near the sources, during drilling and on the haul roads. In case there is any public road or human settlement or agricultural land in neighbourhood, creation of green belt for arresting dust by planting exotic fast growing varieties like eucalyptus etc could be considered.

In case of proximity of sensitive areas and tourist spots, a system for monitoring ambient air quality should be considered.

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

a) Vibration: Quality of explosives proposed to be used per and maximum charge per delay vis-à-vis IS specifications -1973 to keep the vibration within permissible limits. Whether any controlled blasting techniques are proposed to be adopted.

b) Noise: Whether any provision has been made to check noise levels at various places.

4.4.9 Stabilisation and vegetation of dumps: Examine the methods proposed to be adopted for stabilization of dump, terracing, vegetation etc.

4.4.10. Tailing Dam: Selection of site for tailing pond with respect to stability.

4.5 Guidelines for scrutiny with respect to mineral beneficiation.

4.5.1 If the ROM needs to be beneficiated, then the complete analysis (both chemical and mineralogical) of the feed and capacity of proposed mill along with the grade and other specifications of beneficiated products should be indicated.

4.5.2 If laboratory/pilot plant test work was already carried out on the sample, process flow sheet, details of process adopted, projected grades and recoveries of beneficiation products should be given.

4.5.3 Complete details regarding physical and chemical characteristics of tailings, their possible reuse, if any along with the design, size and capacity of tailing pond should be indicated. Details of process of water treatment, if any and quality and quantity of final discharge and the place of its disposal (proximity to rivers, public well or any other public utility places) should be furnished.

Chapter- 5**PROPOSED UNIVERSAL FORMAT FOR MINING PLAN /SCHEME OF MINING INCLUDING PROGRESSIVE MINE CLOSURE PLAN**

For grant of Mining Lease/Renewal of mining Lease submitted under Rule 22(4) /Rule 24A Mineral Concession Rules, 1960/Rule 10 of MCDR'88/Rule 12(2) of MCDR,88

INTRODUCTORY NOTES

01. This is a universal format for all types and category of mines

Mining plan/scheme of mining shall incorporate tentative scheme of mining and annual program and plan for excavation from year to year for 5 years as per Rule 22(5)(v) of MCR, 1960 and the format is based on the above concept alongwith the other provisions of rule 22(5) of MCR, 1960.

All years are financial years except for fresh grant cases where it is I, II, III, IV and V year. Mining plan/Scheme of Mining(review of the mining plan) is to be prepared lease wise.

02. If more space is needed to fill out a block of information, use additional sheets and attach to the form. All the plans and sections may be in accordance with MCDR, 88 and /or MMR,1961.

03. The format shall have prospective effect and shall not have any bearing on clearances or approvals already granted.

04. In view of the Hon'ble Supreme Court Judgment dated 21.04.2014 in Writ Petition (Civil) No. 435 of 2012 filed by Goa Foundation vrs Union of India and Others all activities like waste dumping, stacking ore , subgrade, mineral rejects, beneficiation, depositing tailings are to be within the lease area.

05. In case of Modifications in the approved mining plan/Scheme of mining only the relevant chapters including the linked chapters, plans & sections are to be modified.

1.0 GENERAL

- a) Name of applicant /lessee/Rule 45 registration no. _____
 Address _____
 District _____ State _____ Pin code _____
 Phone _____ Fax _____ Mobile No. _____ Email id. _____
- b) 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 is the applicant /lessee intends to mine _____
- f) Name of Recognised Person under rule 22C of MCR,1960 or a Person employed under clause (c) of Sub rule (1) of rule 42 of MCDR, 1988(Applicable for Scheme of Mining only)preparing Mining Plan _____
 Address _____
 Phone _____ Fax _____ Email _____
 Mobile No. _____
 Registration No. _____
 Date of Grant/Renewal _____
 Valid upto _____

2.0 LOCATION AND ACCESSIBILITY

- a) Lease Details (Existing Mine)
 Name of mineLat/long of any boundary point ..
 Date of grant of lease Period/Expiry Date.....
 Name of leaseholder.....
 Postal Address.....

 Telephone-----fax-----email id-----Mobile No. -----
- c) Details of applied /lease area with location map (fresh area /mine)

Forest		Non-forest	
Forest (specify)	Area (ha)	(i) waste land, (ii) grazing land, (iii) Agriculture land, (iv) others(specify)	Area (ha)

Total lease area /applied area

District & State _____

Taluka _____ Village _____

Whether the area falls under Coastal Regulation Zone(CRZ)?if yes, details thereof _____

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.

3.0 DETAILS OF APPROVED MINING PLAN / SCHEME OF MINING (if any)

- 3.1 Date and reference of earlier approved MP/SOM
- 3.2 Details of last modifications if any (for the previous approved period) of approved MP/SOM, indicating date of approval, reason for modification
- 3.3 Give review of earlier approved proposal (if any) in respect of exploration, excavation, reclamation etc.
- 3.4 Give status of compliance of violations pointed out by IBM
- 3.5 Indicate and give details of any suspension /closure/ prohibitory order issued by any Government agency under any rule or Court of law
- 3.6 In case the MP/SOM is submitted under rules 9 and 10 of the MCDR'88 or under rule 22(6) of the MCR'1960 for approval of modification, specify reason and justification for modification under these rules.

PART – A**1.0 GEOLOGY AND EXPLORATION:**

- a) Briefly describe the topography, drainage pattern, vegetation, climate, rainfall data of the area applied/mining lease area.
- b) Brief descriptions of Regional Geology with reference to location of lease/applied area.
- c) Detailed description of geology of the lease area such as shape and size of the mineral/ore deposit, disposition various litho-units indicating structural features if any etc. (Applicable for Mining Plan for grant & renewal and not for Scheme of Mining/Modifications in the approved mining plan/scheme of Mining).
- d) (i) Name of prospecting /exploration agency _____
 (ii) Address _____
 (iii) E mail address _____ and phone no.
- e) Details of prospecting/exploration already carried out :
- i) Number of pits and trenches indicating dimensions, spacing etc along and across the strike/ foliation with reference to geological plan.
- ii) Number of boreholes indicating type (Core/RC/DTH), diameter, spacing, inclination, Collar level, depth etc with standard borehole logs duly marking on geological plan/sections.
- iii) Details of samples analysis indicating type of sample (surface/sub-surface from pits/trenches/borehole etc) *Complete chemical analysis for entire strata for all radicals may be undertaken for selected samples from a NABL accredited Laboratory or Government laboratory or equivalent. Entire mineralized area may be analyzed meter wise with 10% of check samples. (At least for 10% of total samples may be analyzed in accordance to BIS and reports from NABL accredited/other government laboratory).*
- iv) Expenditure incurred in various prospecting operations.
- f) The surface plan of the lease area may be prepared on a scale of 1: 1000 or 1: 2000 with contour interval of maximum of 10 m depending upon the topography and size of the area duly marked by grid lines showing all features indicated under Rule 28(1)(a) of MCDR 1988.
- g) For preparation of geological plan, surface plan prepared on a scale of 1: 1000 or 1: 2000 scale specified under para 1.0 (f) of Part A of the format may be taken as the base plan. The details of exploration already carried out along with supporting data for existence of mineral, locations proposed exploration, various lithounits along with structural features, mineralized/ore zone with grade variation if any may be marked on the geological plan along with other features indicated under Rule 28 (1)(b) of MCDR 1988.
- h) Geological sections may be prepared on natural scale of geological plan at suitable interval across the lease area from boundary to boundary.
- i) Broadly indicate the future programme of exploration with due justification(duly marking on Geological plan year wise location in different colours) taking into consideration the future tentative excavation programme planned in next five years as in table below: -

Year	No. of boreholes (Core/RC/DTH)	Grid interval	Total meterage	No. of Pits, dimensions and volume	No. of Trenches, dimensions and volume
I					
II					
III					
IV					
V					

j) Reserves and Resources as per UNFC with respect to the threshold value notified by IBM may be furnished in a tabular form as given below: (Area explored under different level of exploration may be marked on the geological plan and UNFC code for area considered for different categories of reserve/resources estimation may also be marked on geological cross sections).

Submit a feasibility/pre-feasibility study report along with financial analysis for economic viability of the deposit as specified under the UNFC field guidelines may be incorporated.

k) Furnish detailed calculation of reserves/resources section wise (When the mine is fully mechanized and deposit is of complex nature with variation of size , shape of mineralized zones, grade due to intrusion within ore zone etc, an attempt may be made to estimate reserves/resources by slice plan method). In case of deposits where underground mining is proposed, reserve/resources may be estimated by level plan method, as applicable, as per the proposed mining parameters.

l) Mineral Reserves/Resources:

Mineral Resources: (Mineral resources may be estimated purely based on level of exploration, with reference to the threshold value of minerals declared by IBM)

Level of Exploration	Resources in million tons	Grade
G1 - Detailed exploration		
G2 - General Exploration		
G3 – Prospecting		
G4- Reconnaissance		

Resources and Reserves within the lease may be arrived after applying results feasibility/pre-feasibility study and economic evaluation of deposit based on various factors such as:

- Mining method, Recovery factor, mining losses, processing loss etc.
- Cut off grade, Ultimate pit depth proposed.
- Mineral/ ore blocked dues to benches, barriers, pillars, road, railway, river, nala, reservoir, electric line and other statutory barriers etc, under forest, sanctuaries etc. where necessary permissions are not available.

	UNFC Code	Quantity in million tons	Grade
A. Total Mineral Reserve			
Proved Mineral Reserve	111		
Probable mineral Reserve	121 and 122		
B. Total Remaining Resources			

Feasibility mineral Resource	211		
Prefeasibility mineral resource	221 and 222		
Measured mineral resource	331		
Indicated mineral resource	332		
Inferred mineral resource	333		
Reconnaissance mineral resource	334		
Total Reserves + Resources			

Note: It may not be possible to quantify grade wise reserves, as normally there is considerable variation in size and grade distribution within the ore zone, which results variable recovery factor and bulk density. Thus tonnages arrived are tentative.

2.0 MINING

A. OPEN CAST MINING:

- a) Briefly describe the existing as well as proposed method for excavation with all design parameters indicating on plans /sections.
- b) Indicate year-wise tentative Excavation in Cubic Meters indicating development, ROM, pit wise as in table below.

I. Insitu Tentative Excavation

Year	Pit no.	Total tentative Excavation (Cum)	Top Soil (Cu m)	OB/SB/IB (Cum)	ROM (Cu m)		Mineral reject	ROM/Waste Ratio
					Ore (Cum)*	Mineral reject (Cum)		
1	2	3	4	5	6	7	8	9
I								
II								
III								
IV								
V								

* Tentative tonnage of the ore may be arrived by computing approximate bulk density and recovery factor as these data are variable and may be established on time series.

NOTE:

Mineral rejects include all the excavated materials that do not constitute useful material. Such material may be either grade or size reject. The mineral reject may be (i) chemically subgrade which is below the acceptable limits of specifications that is below the cut off grade and above the threshold value within or outside ore zone, (ii) materials of physical characteristics not acceptable to the market, (iii) material having deleterious constituents,

ROM constitutes the material excavated from mineralized zone and includes mineral reject and useable mineral component.

OB : means overburden capping waste

SB : means side burden waste on both hang wall and foot wall sides of the ore body

IB : means intermediate burden waste between two or more ore body

II. Dump rehandling (for the purpose of recovery of mineral):

Estimated available material (Cum)

Dump identification/ no	Yearwise handling (Cum)	Estimated recovery of saleable material (Cum) *	Reject (Cum)

* Tentative tonnage of the saleable material may be arrived by computing approximate bulk density and recovery factor as these data are variable and may be established on time series.

c) Enclose Individual year wise development plans and sections showing pit layouts, dumps, stacks of mineral reject, if any, etc in case of 'A' category mines. Composite development plans showing pit layouts, dumps, stacks of mineral reject, if any, etc. and year wise sections in case of 'B' category mines.

d) Describe briefly giving salient features of the proposed method of working indicating Category of mine.

e) Describe briefly the layout of mine workings, pit road layout, the layout of faces and sites for disposal of overburden/waste along with ground preparation prior to disposal of waste, reject etc. A reference to the plans and sections may be given. UPL or ultimate size of the pit is to be shown for identification of the suitable dumping site.

f) Conceptual Mine planning upto the end of lease period taking into consideration the present available reserves and resources describing the excavation, recovery of ROM, Disposal of waste, backfilling of voids, reclamation and rehabilitation showing on a plan with few relevant sections.

B. UNDERGROUND MINING

i) Mode of entry (adit, incline, shaft, ramp / decline).

Briefly describe the reason for choosing the mode of entry and its location with justification. Describe development and stoping method.

iii) Underground layout

Attach a note briefly describing the underground layout using longitudinal sections / longitudinal vertical projection and level plans where necessary indication;

- sizes and intervals of levels and raises / winzes with proper reasoning
- proposed yearwise/levelwise extent of development for five years alongwith the support system

iii) System of drilling and blasting

Drilling pattern in ore	
Drilling pattern in Rock	
Drilling pattern in Stopes	
Maximum number of holes blasted in a round.	
Charge per round (Kg)	
Charge per hole (kg)	
Type of explosive	
Powder factor (Norms) Rock development- Ore development- Stope-	
Powder Factor (Actual) Rock development- Ore development- Stope -	

iv) Method and sequence of stoping

Describe briefly the method of stoping to be adopted, illustrated by plan, cross sections and longitudinal sections indicating broad parameters in the table below. In case it is open stoping attach a Geo technical report from a National Reputed agency on stability of open stopes. In case of filled stopes the detail of filling

method to be described with supporting plans and sections. Broader thumb rule in respect of development be considered.

	Stope parameters:	
1	Number of working stopes	
2	Size of the panel	
3	Level interval	
4	Thickness of crown pillar	
5	Thickness of Sill pillar	
6	Thickness of Rib pillar	
7	Size and interval of Stope pillar	
8	Size/shape of man way	
9	Size/shape of ore pass	
10	Method of stowing/back filling	
11	Method of drainage of stowed water	

v) System of underground transportation: Describe in the table below.

From face to pit bottom or loading point.
From pit bottom to surface.
From surface to end use plant.
Safety features provided on conveyor/ haulage track/ roadway

vi) System of winding / hoisting :

Attach a note briefly describing the system and linking with it's adequacy for the desired rate of material and man handling,

vii) Subsidence management may be described as below.

1	Whether surface areas being monitored are marked on plan? Details of surface features in the subsidence basin	
2	Whether monitoring points have been marked on plan as well as on ground? Depth of the workings from surface (m) where subsidence is being measured.	
3	Maximum subsidence observed at monitoring points (mm)	

4	At what frequency subsidence monitoring is done?	
5	Whether results of monitoring are being properly recorded?	
6	Angle of draw observed on dip and strike side.	
7	Whether critical, sub-critical or super-critical area extracted?	

Conceptual Mine planning upto the end of lease period taking into consideration the present available reserves and resources describing the ROM excavation, Disposal of waste, stowing/backfilling, surface subsidence, reclamation and rehabilitation showing on a plan with few relevant sections.

viii) Mine ventilation:

Enclose a note outlining the steps to be taken to ensure adequate supply of air in all parts of the mine and prevention of noxious gases produced and excessive rise of temperature or humidity so as to ensure adequate ventilation. Also indicate No. & type of main mechanical ventilators, total air requirement as per statute, total intake / return (cu.m/ sec) etc

ix) Extent of mechanization

Describe briefly with calculation for adequacy and type of machinery and equipment proposed to be used in different activities of drilling, material handling in development and stope, hauling, hoisting to surface, surface transportation and any other operation.

3. MINE DRAINAGE

- a) Minimum and maximum depth of water table based on observations from nearby wells and water bodies
- b) Indicate maximum and minimum depth of Workings.
- c) Quantity and quality of water likely to be encountered, the pumping arrangements and places where the mine water is finally proposed to be discharged
- d) Describe regional and local drainage pattern. Also indicate annual rain fall, catchments area, and likely quantity of rain water to flow through the lease area, arrangement for arresting solid wash off etc.

4.0 STACKING OF MINERAL REJECT /SUB GRADE MATERIAL AND DISPOSAL OF WASTE

- a) Indicate briefly the nature and quantity of top soil, overburden / waste and Mineral Reject to be disposed off.

Year	Top Soil (cum)		Mineral Rejects (cum)			Beneficiation
	Reuse/spreading	Storage	Backfilling	Storage	Blending	
I						
II						
III						
IV						
V						

- b) The proposed dumping ground within the lease area be proved for presence or absence of mineral and be outside the UPL unless simultaneous backfilling is proposed or purely temporary dumping for a short period is proposed in mineralized area with technical constraints & justification.
- c) Attach a note indicating the manner of disposal of waste, configuration and sequence of year wise build up of dumps along with the proposals for protective measures.

5.0 USE OF MINERAL AND MINERAL REJECT

The following are to be furnished in the interest of mineral conservation.

- a) Describe briefly the requirement of end-use industry specifically in terms of physical and chemical composition.
- b) Give brief requirement of intermediate industries involved in upgradation of mineral before its end-use.
- c) Give detail requirements for other industries, captive consumption, export, associated industrial use etc.
- d) Indicate precise physical and chemical specification stipulated by buyers
- e) Give details of processes adopted to upgrade the ROM to suit the user requirements.

The useable mineral recovered from ROM may not be directly used in any industry and may need intermediate process to suit the user industry in terms of physical and chemical compositions.

6.0 PROCESSING OF ROM AND MINERAL REJECT

- a) If processing / beneficiation of the ROM or Mineral Reject is planned to be conducted, briefly describe nature of processing / beneficiation. This may indicate size and grade of feed material and concentrate (finished marketable product), recovery etc.

- b) Give a material balance chart with a flow sheet or schematic diagram of the processing procedure indicating feed, product, recovery, and its grade at each stage of processing.
- c) Explain the disposal method for tailings or reject from the processing plant.
- d) Quantity and quality of tailings /reject proposed to be disposed, size and capacity of tailing pond, toxic effect of such tailings, if any, with process adopted to neutralize any such effect before their disposal and dealing of excess water from the tailings dam.
- e) Specify quantity and type of chemicals if any to be used in the processing plant.
- f) Specify quantity and type of chemicals to be stored on site / plant.
- g) Indicate quantity (cum per day) of water required for mining and processing and sources of supply of water, disposal of water and extent of recycling. Water balance chart may be given.

7.0 OTHER

Describe briefly the following:

a) Site services :-----

b) Employment potential :
 Highly Skilled -----
 Skilled -----
 Semi-Skilled -----
 Un-Skilled -----

8.0 PROGRESSIVE MINE CLOSURE PLAN UNDER RULE 23 OF MCDR'1988

8.1 Environment Base line information: Attach a note on the status of baseline information with regard to the following.

- existing land use pattern indicating the area already degraded due to mining, roads, processing plant, workshop, township etc in a tabular form.
- water regime, quality of air, ambient noise level, flora, climatic conditions
- human settlements
- public buildings, places of worship and monuments
- Indicate any sanctuary is located in the vicinity of leasehold

8.2 Impact Assessment: Attach an Environmental Impact Assessment Statement describing the impact of mining and beneficiation on environment on the following:

- i) Land area indicating the area likely to be degraded due to quarrying, dumping, roads, workshop, processing plant, tailing pond/dam, township etc.
- ii) Air quality
- iii) Water quality
- iv) Noise levels
- v) Vibration levels (due to blasting)
- vi) Water regime
- vii) Acid mine drainage
- viii) Surface subsidence
- vii) Socio-economics
- viii) Historical monuments etc.

8.3 Progressive reclamation Plan :

To mitigate the impacts and ameliorate the condition, describe year wise steps proposed for phased restoration, reclamation of lands already/to be degraded in respect of following items separately for 5 years period.

8.3.1. Mined-Out Land: Describe the proposals to be implemented for reclamation and rehabilitation of mined-out land including the manner in which the actual site of the pit will be restored for future use. The proposals may be supported with yearly plans and sections depicting yearly progress in the activities for land restoration/reclamation/rehabilitation, afforestation etc, called “**Reclamation Plan**”.

8.3.2 Topsoil Management: The topsoil available at the site and its utilization may be described.

8.3.3 Tailings Dam Management: The steps to be taken for protection and stability of tailing dam, stabilization of tailing material and its utilization, periodic desilting measures to prevent water pollution from tailings etc, arrangement for surplus water overflow along with detail design, structural stability studies, the embankment seepage loss into the receiving environment and ground water contaminant if any may be described.

8.3.4 Acid mine drainage, if any and its mitigative measures.

8.3.5 Surface subsidence mitigation measures through backfilling of mine voids or by any other means and its monitoring mechanism.

The information on protective measures for reclamation and rehabilitation works year wise may be provided as per the following table.

SUMMARY OF YEARWISE PROPOSAL FOR ITEM NO. 8.3

Items	Details	Proposed	Actual	Remarks
Dump management	Area afforested (ha)			
	No of saplings planted			
	Cumulative no of plants			
	Cost including watch and care during the year			
Management of worked out benches	Area available for rehabilitation (ha)			
	Afforestation done(ha)			
	No of saplings planted in the year			
	Cumulative no of plants			
	Any other method of rehabilitation (specify)			
Reclamation and Rehabilitation by backfilling	Cost including watch and care during the year			
	Void available for Backfilling (L x B x D) pit wise /slope wise			
	Void filled by waste /tailings			
	Afforestation on the backfilled area			
	Rehabilitation by making water reservoir			
Rehabilitation of waste land within lease	Any other means (specify)			
	Area available (ha)			
	Area rehabilitated			
Others (specify)	Method of rehabilitation			

8.4 Disaster Management and Risk Assessment: This may deal with action plan for high risk accidents like landslides, subsidence flood, inundation in underground mines, fire, seismic activities, tailing dam failure etc. and emergency plan proposed for quick evacuation, ameliorative measures to be taken etc. The capability of lessee to meet such eventualities and the assistance to be required from the local authority may also be described.

8.5 Care and maintenance during temporary discontinuance: An emergency plan for the situation of temporary discontinuance due to court order or due to statutory requirements or any other unforeseen circumstances may indicate measures of care, maintenance and monitoring of status of discontinued mining operations expected to re-open in near future.

8.6 Financial Assurance:

The financial assurance can be submitted in any encashable form preferably a Bank Guarantee from a Scheduled Bank as stated in Rule 23(F)(2) of Mineral Conservation

and Development Rules, 1988 for five years period expiring at the end of validity of the document. The amount calculated for the purpose of Financial Assurance is based on the CCOM's Circular no. 4 dated 2006 as below.

Table indicating the break-up of areas in the Mining Lease for calculation of Financial Assurance

Sl. No.	Head	Area put on use at start of Scheme of Mining (ha)	Additional requirement during Plan period (ha)	Total Area (ha)	Area considered as fully reclaimed & rehabilitated (ha)	Net area considered for calculation (ha)
1.	Area under mining					
2.	Storage for top soil					
3.	Waste dump site					
4.	Mineral storage					
5.	Infrastructure – workshop, administrative building etc.					
6.	Roads					
7.	Railways					
8.	Tailing pond					
9.	Effluent Treatment Plant					
10.	Mineral Separation Plant					
11.	Township area					
12.	Others (to specify)					
	Grand Total					

The above mentioned actions have been taken to be stated clearly in the mine closure plan. A certificate duly signed by the lessee to the effect that said closure plan complies all statutory rules, regulations, orders made by the Central or State Government, statutory organizations, court etc. have been taken into consideration and wherever any specific permission is required, the lessee will approach the concerned authorities. The lessee may also give an undertaking to the effect that all the measures proposed in this closure plan will be implemented in a time bound manner as proposed.

PART B**9.0 Certificates / Undertakings/ Consents (As detailed below)****A. CONSENT LETTER/ UNDERTAKING/ CERTIFICATE FROM THE APPLICANT :**

01 The Mining Plan/Scheme of Mining in 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*), under *Rule 24A of MCR, 1960 /12 of MCDR 1988* has been prepared by **RQP** (*Name of RQP*).

This is to request the Regional Controller of Mines, Indian Bureau of Mines, -----, 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.

02 It is certified that the **CCOM Circular No-2/2010** will be implemented and complied with when an authorized agency is approved by the State Government.

03 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.

04 “The provisions of **Mines Act, Rules and Regulations** made there under have been observed in the Mining Plan/Scheme of Mining over an area of ----- 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”.

Place : (Name of Owner/Nominated
 Owner)
 Date : Designation
 Name of Company/Organisation

CERTIFICATE FROM ROP:

The provisions of the **Mineral Conservation and Development Rules 1988** 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 **Indian Bureau of Mines**.

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. -----

10. List of the Plans and Sections to be submitted

- i) **In case of fresh grant of mining lease a precise area demarcation map demarcating with survey nos./khasra nos. as well as longitude & latitude on survey of India toposheets/maps to be indicated. Details of recommended area to be given with geo-referenced co-ordinates(to be certified by State Govt preferably with ground control points).In case of existing leases lease plan as provided by the state govt. showing location of the lease.**
- ii) Surface plan/Geological plans and sections as per rule 28(1)(a) and (b) of MCDR, 88
- iii) Individual year wise development plans & sections (in case of 'A' category mines)/ Composite development plans & year wise sections (in case of 'B' Category mines)
- iv) Reclamation plan as per the format.

- v) Environment Plan as per rule 28(5)(b) of MCDR, 88
- vi) Conceptual plan
- vii) **A Financial area Assurance plan may show only outlines of the existing working, dumps, stacks, etc. covering all the items under the financial assurance table and at the end of 5 year plan period in different colour for the purpose of computation of the areas required to be used in that period to verify the financial assurance including areas considered as reclaimed and rehabilitated.**

11. List of documents to be annexed:-

- Copy of lease deed
- Copy of RQP certificate & validity
- Few photographs showing Land use of the lease area/applied area, environmental status of the area.
- Photo Identity Card of Lessee with permanent address proof
- In case of grant / renewal of mining plan form –I and form – J under MCR, 1960.
- Grant/Renewal application receipt in form – D of MCR, 1960
- In case of grant of ML Letter of Intent of State Government
- In case of grant cases of minerals of part C of the first schedule of MMDR Act, 1957 copy of the prior approval letter of the Central Government.
- In case of Scheme of Mining copies of violation letters issued by Indian Bureau of Mines and its compliance thereof.
- Copies of analysis report from NABL accredited laboratory or similar accredited laboratory
- Certificate of registration of the company and memorandum of the association
- List of members of Board of directors.

12. On the cover page following information are to be indicated.

- Name of mine/deposit with District and State
- Name of Owner/Applicant
- Lease area in hectare with area in forest, if any with period and expiry date
- Rule under which the document is being submitted
- Category of mine
- Period of proposals in financial year except fresh grant covered in the document
- Name of Recognised Person who prepared the document

Chapter-6

GUIDELINE/ FORMAT OF FINAL MINE CLOSURE PLAN

Preamble :

1. The Central Government vide Notification No. GSR 329 (E) dated 10.04.2003 and No. GSR 330 (E) dated 10.04.2003 amended the Mineral Concession Rules, 1960 and Mineral Conservation and Development Rules, 1988 respectively. As per these amendments the mining lessee is required to submit "Final Mines Closure Plan" one year prior to the proposed closure of the mine. In the notification it has been enumerated that the "Progressive Closure Plan" and "Final Closure Plan" may be in the format and as per the guidelines issued by the Indian Bureau of Mines.

2. Mine closure encompasses rehabilitation process as an ongoing programme designed to restore physical, chemical and biological quality disturbed by the mining to a level acceptable to all concerned. It must aim at leaving the area in such a way that rehabilitation does not become a burden to the society after mining operation is over. It must also aim to create as self-sustained ecosystem.

3. Mine closure operation is a continuous series of activities starting from day one of the initiation of mining project. Therefore, progressive mine closure plan is an additional chapter in the present mining plan and will be reviewed every five years in the Scheme of Mining.

4. Final mine closure plan as per statute, shall be considered to have its approval at least nine months before the date of proposed closure of mine. This period of nine months is reckoned as preparatory period for final mine closure operations. Therefore, all proposals for activities which have to be carried out after production of mineral from the mine or mining is ceased, shall be included in the final mine closure plan. The final mine closure plan will thus be a separate document with detailed chapters as per guidelines given below

1. Introduction:

The name of the lessee, the location and extent of lease area, the type of lease area (forest, non-forest etc), the present land use pattern, the method of mining and mineral processing operations, may be given.

1.1 Reasons for closure:

The reasons for closure of mining operations in relation to exhaustion of mineral, lack of demand, uneconomic operations, natural calamity, directives from statutory organisation or court etc. may be specified.

1.2 Statutory obligations:

The legal obligations, if any which the lessee is bound to implement like special conditions imposed while execution of lease deed, approval of mining plan, directives issued by the Indian Bureau of Mines, conditions imposed by the Ministry of Environment and Forests, State of Central Pollution Control Board or by any other organisation describing the nature of conditions and compliance position thereof may be indicated here (the copies of relevant documents may be attached as Annexure).

1.3 Closure plan preparation:

The names and addresses of the applicant and recognised qualified person who prepared the Mine Closure Plan and the name of the existing agency may be furnished. A copy of the resolution of the Board of Directors or any other appropriate administrative authority as the case may be on the decision of closure of mine may be submitted.

2. Mine Description:**2.1 Geology:**

Briefly describe the topography and general geology indicating rock types available, the chemical constituents of the rocks / minerals including toxic elements if any, at the mine site.

2.2 Reserves:

Indicate the mineral reserves available category wise in the lease area estimated in the last mining plan / mining scheme approved along with the balance mineral reserves at the proposed mine closure including its quality available (for final mine closure plan only).

2.3 Mining Method:

Describe in brief the mining method followed to win the mineral, extent of mechanisation , mining machinery deployed, production level etc.

2.4 Mineral Beneficiation:

Describe in brief the mineral beneficiation practice if any indicating the process description in short. Indicate discharge details of any tailings / middlings and their disposal / utilisation practice followed.

3. Review of Implementation of Mining Plan / Scheme of Mining including five years Progressive Closure Plan upto final closure of mine:

Indicate in detail the various proposals committed with special emphasis on the proposals for protection of environment in the approved Mining Plan / Scheme of Mining including five years Progressive Closure Plan upto the closure of mine vis-a-vis their status of implementation. Highlight the areas, which might have been contaminated by mining activities and type of contaminants that might be found there. The reasons for deviation from the proposals if any with corrective measures taken may also be given.

4. Closure Plan:**4.1 Mined-Out Land:**

Describe the proposals to be implemented for reclamation and rehabilitation of mined-out land including the manner in which the actual site of the pit will be restored for future use. The proposals may be supported with relevant plans and sections depicting the method of land restoration / reclamation / rehabilitation.

4.2 Water Quality Management:

Describe in detail the existing surface and ground water bodies available in the lease areas and the measures to be taken for protection of the same including control of erosion, sedimentation, siltation, water treatment, diversion of water courses , if any, measures for protection of contamination of ground water from leaching etc. Quantity and quality of surface water bodies may also be indicated and corrective measures proposed to meet the water quality conforming the permissible limits may also be described. Report of hydrological study carried out in the area may also be submitted. The water balance chart

may be given. If there is potential of Acid Mine Drainage the treatment method may be given.

4.3 Air Quality Management:

Describe the existing air quality status. The corrective measures to be taken for prevention of pollution of air may be described.

4.4. Waste Management:

Describe the type, quality and quantity of overburden, mineral reject etc. available and their disposal practice. If no utilisation of waste material is proposed, the manner in which the waste material will be stabilised may be described. The protective measures to be taken for prevention of siltation, erosion and dust generation from these waste materials may also be described. If toxic and hazardous elements are present in the waste material the protective measures to be taken for prevention of their dispersal in the air environment, leaching in the surface and ground water etc, may be described.

4.5 Top Soil Management: The top soil available at the site and its utilisation may be described.

4.6 Tailing Dam Management: The steps to be taken for protection and stability of tailing dam, stabilisation of tailing material and its utilisation, periodic desilting, measures to prevent water pollution from tailings etc., arrangement for surplus water overflow along with detail design, structural stability studies, the embankment seepage loss into the receiving environment and ground water contaminant if any may be given.

4.7 Infrastructure: The existing infrastructural facilities available such as roads, aerial ropeways, conveyer belts, railways, power lines, buildings & structures, water treatment plant, transport, water supply sources in the area etc. and their future utilisation may be evaluated on case to case basis. If retained, the measures to be taken for their physical stability and maintenance may be described. If decommissioning proposed, dismantling and disposal of building structures, support facilities and other infrastructure like electric transmission line, water line, gas pipeline, water works, sewer line, telephone cables, underground tanks, transportation infrastructure like roads, rails, bridges, culverts etc., electrical equipments and infrastructures like electric cables, transformers to be described in connection with restoring land for further use.

4.8 Disposal of Mining Machinery: The decommissioning of mining machineries and their possible post mining utilisation, if any, to be described.

4.9 Safety and Security: Explain the safety measures implemented to prevent access to surface openings, excavations etc., and arrangements proposed during the mine abandonment plan and upto the site being opened for general public may be described.

4.10 Disaster Management and Risk Assessment: This may deal with action plan for high risk accidents like landslides, subsidence flood, inundation in underground mines, fire, seismic activities, tailing dam failure etc. and emergency plan proposed for quick evacuation, ameliorative measures to be taken etc. The capability of lessee to meet such eventualities and the assistance to be required from the local authority may also be described.

4.11 Care and maintenance during temporary discontinuance: For every five yearly review (as given in the mining scheme), an emergency plan for the situation of temporary discontinuance or incomplete programme due to court order or due to statutory requirements or any other unforeseen circumstances, may include a plan indicating measures of care, maintenance and monitoring of status of unplanned discontinued mining operations expected to re-open in near future. This may detail item wise status monitoring and maintenance with periodicity and objective.

5. Economic Repercussions of closure of mine and manpower retrenchments:

Manpower retrenchment, compensation to be given, socio-economic repercussions and remedial measures consequent to the closure of mines may be described, specifically stating the following.

5.1 Number of local residents employed in the mine, status of the continuation of family occupation and scope of joining the occupation back.

5.2 Compensation given or to be given to the employees connecting with sustenance of himself and their family members.

5.3 Satellite occupations connected to the mining industry - number of persons engaged therein - continuance of such business after mine closes.

5.4 Continued engagement of employees in the rehabilitated status of mining lease area and any other remnant activities.

5.5 Envisaged repercussions on the expectation of the society around due to closure of mine.

6. **Time Scheduling for abandonment:** The details of time schedule of all abandonment operations as proposed in para 4 may be described here. The manpower and other resources required for completion of proposed job may be described. The schedule of such operations may also be supplemented by PERT (Programme Evaluation & Review Technique), Bar chart etc.

7. **Abandonment Cost:** Cost to be estimated based on the activities required for implementing the protective and rehabilitation measures including their maintenance and monitoring programme.

8. **Financial Assurance:** The financial assurance can be submitted in different forms as stated in Rule 23(F)(2) of Mineral Conservation and Development (amendment) Rules, 2003. In the mine closure plan, the manner in which financial assurance has been submitted and its particulars have to be indicated.

9. **Certificate:** The above mentioned actions have been taken to be stated clearly in the mine closure plan. A certificate duly signed by the lessee to the effect that said closure plan complies all statutory rules, regulations, orders made by the Central or State Government, statutory organisations, court etc. have been taken into consideration and wherever any specific permission is required the lessee will approach the concerned authorities. The lessee may also give an undertaking to the effect that all the measures proposed in this closure plan will be implemented in a time bound manner as proposed.

Chapter -7**FREQUENTLY ASKED QUESTIONS(FAQ)**

1. Q-Before execution of Mining Lease if the applicant wants to modify the Mining Plan approved under which rule it is to be modified?

A-Rule 22(6) of MCR, 1960.

2. Q-Can the modification in the approved mining plan be approved retrospectively for enhancement of production?

A-No. As per CCOM's Instructions conveyed vide Letter no N-11011/26/MP/92-CCOM(part) dt 15.12.2010 enclosing direction from the Ministry of Mines letter no 16/12/2009-M VI dated 29.10.2010, retrospective approval for enhancement of production has been stopped from December 2010. However for increase in production prospectively the Modification of Mining plan can be approved under rule 10 of MCDR, 1988.

3. Q- Can the dumping outside the Mining lease area be approved in the mining Plan?

A- The Mining plan approval is under rule 22(4) of MCR, 1960 read with section 5(2)(a) of MMDR Act, 1957 is limited to the lease area. As per recent Hon'ble Supreme Court Judgment dated 21.04.2014 in Writ Petition (Civil) No. 435 of 2012 filed by Goa Foundation vrs Union of India and Others all activities like waste dumping, stacking ore, subgrade, mineral rejects, beneficiation, depositing tailings are to be within the lease area.

4. Q-The 5 year period of approval of the mining plan approved for execution of Mining Lease starts from which year?

A-The First year of the mining plan for fresh grant cases is the financial year in which the lease has been executed. (Please refer 32(i) of Zonal/Regional heads meeting circulated vide CCOM's letter no. K-11011/1/2012/CCOM dated 14.12.2012). For example if the mining plan has been approved on 20.4.2010 and the mining lease is executed on 17.8.2012 the 5 year period of the mining plan is 2012-13 to 2016-17. This is for better monitoring of the parameters of the mining

plan both by lessee and IBM. The year as per definition in MCDR, 1988 is financial year.

5. Q- At the end of the lease period it is likely that the last scheme of mining will be for less than 5 year and may be less than a year. Is it possible to club the scheme with the mining plan to be submitted for renewal of ML?

A- No. Scheme of mining cannot be clubbed with the mining plan. The two documents can be submitted simultaneously in two separate volumes for saving time to process. The Scheme of mining in such cases can be in an abridged form.

- 6- Q-Can a combined scheme of mining be prepared for more than one lease belonging to the same lessee?

A-No. Please refer CCOM's Circular no 4/2013 dated 10.1.2013.

7. Q- Can the plans and sections be on ammonia prints or Xerox

A- It is to be prepared on a computerized output using software's available. Ammonia prints and Xerox is not acceptable. (Refer COM (CZ) LETTER NO.314(3)/20007/MCCM(CZ)/mp DATED 14.12.2012.

8. Q-How many copies of draft Mining plan/ Scheme of Mining are to be submitted to the Regional office?

A- Two (2) and a soft copy for mining proposals with beneficiation plants. As per the IBM' letter no T- 44006/CGBM/1/2005 dated 9.2.2012 followed item by 32(ii) of Zonal/Regional heads meeting held on 5 and 6 November2012 circulated vide CCOM's letter no. K-11011/1/2012/CCOm dated 14.12.2012 a copy of the draft MP/MS/ FMCP has to be sent to the State Government seeking their comments giving 30 days time.

9. Q- What is ROM ore?

A- **ROM** constitutes the material excavated from mineralized zone and includes mineral reject and useable mineral component.

10. Q- Which type of precise area map is to be part of Letter of Intent issued by the State Government for fresh grant of Mining Lease?

A- In case of fresh grant of mining lease a precise area demarcation map demarcating with survey nos./khasra nos. as well as longitude & latitude on survey of India toposheets/maps to be indicated. Details of recommended area to be given with geo-referenced co-ordinates(to be certified by State Govt preferably with more than one ground control points). (Pl refer Ministry of Mines letter no No.2/4/2012-M.IV dated, 11th February,2013addressed to the State Govt).

12. Q- Who will sign the letter for submission of mining plan and certificate /undertakings.

A- The first letter of submission of Draft Mining Plan to be signed by the Lessee/applicant in their letter head in case lessee is an Individual. In case of Partnership Firm by the Managing partner, in case of Company by the Nominated Owner. Certificates / Undertakings are also to

be signed by them. However authorized signatory in case of Companies resolved by the Board of Directors specifically can be accepted provided the copy is certified.

13-Q-UNFC RESERVES

i) The area is partly under forest & partly under non-forest. The lessee has not yet obtained forest clearance. What will be the UNFC code for the deposit in Forest area.

ii) The area is explored by GSI/State DGM long back with drilling/pitting etc. But the area is in forest and lease has not yet been granted.

Ans:- If the deposit has been explored as per UNFC norm, then Geology axis is 1 or 2 as the case may be. Feasibility axis is 2, and economic axis is 1. Therefore the forest part will be (probable mineral Reserve) 121 or 122.

iii) In a deposit, though as per UNFC, there may be drilling with a spacing of 200 mtrs. But while processing M.P/S.O.M, I.B.M. is suggesting to give drilling in an interval of 50 mtrs. Why.

Ans. The UNFC is a broad Guidelines. Every deposit has its own unique characteristic as well as mode of occurrence, therefore the exploration proposal may strictly be on the basis of field observation not as per the generalized norms of U.N.F.C

14- Surrender of area -requirement of PMCP AND FMCP?

In case during Renewal a part of area is surrendered in the application stage the Mining Plan and PMCP will be for the whole showing area and the Area to be surrendered may be marked in the surface plan. The FMCP is to be submitted for the area to be surrendered separately.

15-Q Is the lessee required to submit any information on the mine working to be in accordance with the Approved Mining Plan/ Scheme of Mining?

A- As per CCOM Circular No 2/2013 dated 10.1.2013 a SELF-APPRAISAL NOTE to be submitted by Owner of the mine under Rule 63 of MCDR, 1988 stating extent of implementation of Approved Mining Plan/Scheme of Mining during the reporting year of 1/4/20__ to 31/3/20__ along with supporting plans/sections, representative photographs in hard as well as soft copy. The Copy of the Circular is enclosed as Annexure.

16-Q- When will the final closure be considered complete for issue of certificate under Rule 29 A of MCR, 1960?

A – In case of plantation suggested in FMCP the minimum period for becoming self sustaining is considered as five years.

In case of pisci culture with water reservoir take the help of a Government recognized fisheries department for regeneration of fish food to be insured for the seedlings.

17. Q- What is to be done if the State Govt. Do not recognized DGPS Agency. How will the CCOM circular no. 2/2010 be complied?

A- IBM generally takes an undertaking from the lessee that within six months the CCOM circular 2/2010 will be complied if within this period the recognition of the DGPS agency has not been notified by the State Govt. the lessee shall seek an extension from the approving the approving authority before expiry of six month period to comply with the CCOM circular no.2/2010

FORM – A

“Persons eligible for grant of recognition under rule 22 C of Mineral Concession Rules, 1960, may download this form and submit the duly filled in form to the concerned regional office alongwith the form fee of **Rs. 100/-** (for individual registration) payable by Demand Draft drawn on any nationalized bank, in favour of “Drawing and Disbursing Officer, IBM, (name of concerned region) .”

Passport size
photograph of the
applicant duly
attested

Mines & Minerals (Development & Regulation) Act, 1957.

Application for Recognition as Recognised Person to Prepare Mining Plans
(Under Rule 22C of Mineral Concession Rules, 1960)

I, _____, am
desirous of seeking recognition as reconised person under Rule 22C of Mineral
Concession Rules, 1960 for the preparation of Mining Plans (including environmental
management plans) 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 _____

Taluq _____, District _____, State _____

(g) Tel no _____ Faxno _____, Mobile No. _____,

Email _____

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 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 :

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

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.

(c) 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 under Rule 22(c) of
MCR, 1960.

2. The registration number accorded to him as a recognised 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 _____

INSTRUCTIONS TO THE APPLICANT

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

1. Application may be submitted in the prescribed form available on sale from any of the offices of the Indian Bureau of Mines. 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. Applications may be sent to the Regional Controller of Mines under whose territorial jurisdiction the applicant ordinarily resides. In case of companies, firms, associations etc., the application may be sent to the Regional Controller of Mines under whose territorial jurisdiction the registered office is situated. The addresses of the various Regional Controller of Mines and their respective territorial jurisdictions are given in the Annexure. (also available on site)
4. The recognition granted by any Regional Controller of Mines shall be valid for the preparation of mining plans for mineral deposits 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 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 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 recognised as a qualified person.
 - (III) The key persons may also apply if they so desire for recognition in their individual capacity under Rule 22(c) for recognition as a 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 organisation, an intimation shall be sent forthwith by the applicant organisation to the recognising authority stating the date from which the key person has left the services or otherwise disassociated. The competent authority may review the recognition granted to an applicant organisation when 50% or more of key persons taken into consideration at the time of grant of recognition depart or disassociate from the said organisation.
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 organisation 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. The competent authority while according recognition will allot a registration number. This may be mentioned by the person in all future correspondence with the

Indian Bureau 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 recognised persons 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 under rule 22 C of Mineral Concession Rules, 1960, may download this form and submit the duly filled in form to the concerned regional office alongwith the form fee of **Rs. 1000/-** (for company registration), payable by Demand Draft drawn on any nationalized bank, in favour of “Drawing and Disbursing Officer, IBM, (name of concerned region) .”

Mines & Minerals (Development & Regulation) Act, 1957.

Application for Recognition as **Recognised** Person to Prepare Mining Plans
(Under Rule 22(c) of Mineral Concession Rules, 1960)

I, _____, on behalf of (applicant organisation) am desirous of seeking recognition as qualified person under Rule 22(c) of Mineral Concession Rules, 1960 for the preparation of Mining Plans (including environmental management plans) and furnish the following information :

1. Name of the applicant organisation :
2. Registration number and date and name :
of the authority with whom registered .
3. Address of the registered office and Email ID
4. Name of the authorised signatory Mobile No., Tel. No., Fax No. and Email ID.
5. Signatory's father's name :
6. Names of key persons (up to a maximum of six)
(They will individually have the qualifications and experience required for recognition under Rule 22(c) of Mineral Concession Rules, 1960.)

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

(Attach biodata of key persons in enclosed proforma)

7. (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.

(c) Decision of the said authority.

8. State why you consider the applicant organisation 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 enclosures is true, complete and correct to the best of my knowledge and belief. A copy of the power of attorney to act for and on behalf of my organisation 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 of

M/s _____, I am
 satisfied that the applicant is FIT / NOT FIT for recognition under Rule 22(c) of
 MCR,1960.

2. The registration number accorded as a recognised 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's name :

(c) 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 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 :

Name and Address of the Employer :

Description of your work indicating
your personal responsibility

C. 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

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 his own record)

1. Application may be submitted in the prescribed form available on sale from any of the offices of the Indian Bureau of Mines. 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. Applications may be sent to the Regional Controller of Mines under whose territorial jurisdiction the applicant ordinarily resides. In case of companies, firms, associations etc., the application may be sent to the Regional Controller of Mines under whose territorial jurisdiction the registered office is situated. The addresses of the various Regional Controller of Mines and their respective territorial jurisdictions are given in the Annexure.(also available on site)

4. The recognition granted by any Regional Controller of Mines shall be valid for the preparation of mining plans for mineral deposits 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 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 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 recognised as a qualified person.

(III) The key persons may also apply if they so desire for recognition in their individual capacity under Rule 22(c) for recognition as a 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 organisation, an intimation shall be sent forthwith by the applicant organisation to the recognising authority stating the date from which the key person has left the services or otherwise disassociated. The competent authority may review the recognition granted to an applicant organisation when 50% or more of key persons taken into consideration at the time of grant of recognition depart or disassociate from the said organisation.

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 organisation 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. The competent authority while according recognition will allot a registration number. This may be mentioned by the person in all future correspondence with the Indian Bureau 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 recognised persons will be required to comply with the instructions laid down by the competent authority from time to time.

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES

No.

dated

From : The Regional Controller of Mines
Indian Bureau of Mines

To : _____

Sub : Your application No. _____ dated _____ for grant of recognition as a
recognised person under 22C of MCR, 1960

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:

Yours faithfully,

Place
Dated

(Regional Controller of Mines)

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES



Paste recent
photograph of
Recognised Person
here

Paste specimen signature of
Recognised Person here

CERTIFICATE OF RECOGNITION AS RECOGNISED PERSON

(Under Rule 22C of Mineral Concession Rules, 1960)

Shri -----, **S/O** -----, resident of -----
----- whose Photograph and signature is
affixed herein above, having given satisfactory evidence of his qualifications and
experience is hereby **RECOGNISED** under Rule 22(C) of the Mineral Concession Rule,
1960 as a Recognised Person to prepare Mining Plans.

His registration number is

RQP/ /___/20___/A

This recognition is valid for a period of 10(ten)years ending on _____.

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

Place : _____

Date : _____

Regional Controller of Mines

Indian Bureau of Mines

-----Region

ANNEXURE IV B

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES

Paste recent
photograph of
Recognised Person
here



Paste specimen signature of
Recognised Person here

***CERTIFICATE OF
RECOGNISED PERSON***

RECOGNITION AS

(Under Rule 22C of Mineral Concession Rules, 1960)

M/s-----, **having** registered office at-----
----- whose key persons Photographs and signatures are affixed
herein, having given satisfactory evidence of his qualifications and experience is hereby
RECOGNISED under Rule 22(C) of the Mineral Concession Rule, 1960 as a
Recognised Person to prepare Mining Plans.

His registration number is

RQP/ /___/20_/B

This recognition is valid for a period of 10(ten)years ending on _____.

This certificate is liable to be withdrawn/cancelled in the event of furnishing the
wrong information/documents in the Mining Plan submitted by them.

Place : _____

Date : _____

Regional Controller of Mines

Indian Bureau of Mines

-----Region

Regional office Code

Ajmer	-	AJM
Bangalore	-	BNG
Bhubaneshwar	-	BBR
Kolkata	-	KOL
Dehradun	-	DDN
Hyderabad	-	HYD
Jabalpur	-	JBP
Margao (Goa)	-	GOA
Chennai	-	CNN
Nellore	-	NLR
Nagpur	-	NGP
Udaipur	-	UDP
Ranchi	-	RNC

Proforma for Annual Return by the person recognized by IBM under rule 22(c) of Mineral Concession Rules, 1960

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 plans prepared indicating the following :
 - h) Title of the mining plan
 - i) Name and address of the client
 - j) Date of submission to the approving authority
 - k) Reference of letter of approval/rejection of mining plan
 - l) Whether prepared singly or jointly with others
 - m) In case prepared jointly, give names and registration number of recognition of others.

(The information under item 3 may be given on separate sheets for each of the mining plans 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 purchase from the regional office by paying Rs. 200/- or downloading from the website before. The completed form may be submitted to the regional office where from the recognition had been granted. In case the form downloaded from the website Rs. 200/- is to be deposited by demand draft with form C. The certificate shall be renewed by the same regional office who has given the first recognition.
2. The Recognised Person shall submit his annual report and a part report upto the date of application along with his 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 hand side rubber stamp reading “renewed upto----“ may be put from the date of expiry irrespective of the date of application for renewal.
4. The renewal application may normally be submitted by Recognised 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 dated signature.
6. The recognition may normally be renewed except in case of below par performance of Recognised Person or his extreme unco-operation if any, Recognised Person has not prepared any mining plan, this may not be the criteria for not granting the renewal. In case of refusal to renew the recognition, prior approval of concerned COM is to be taken. The reason for not granting recognition may be recorded and the Recognised Person may be given an opportunity before refusal of Recognition.

Annexure VIII

FORM OF DECLARATION TO BE GIVEN BY THE APPLICANT WHILE SEEKING RECOGNITION UNDER RULE 22C OF MCR 1960 AS A COMPANY/ORGANIZATION/ASSOCIATION ETC.

I, _____ hereby declare that the key persons as per the information furnished at item 6 of the application Form B No. _____ do not hold the position of Key persons of any company/firm/organization/association etc for which the recognition has been obtained or is being sought under rule 22C of MCR 1960.

For and on behalf of
M/s _____

Place

Date

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

Annexure IX

STATEMENT FOR RQP'S UNDER -----REGIONAL OFFICE
REGIONWISE STATEWISE STATUS OF GRANT OF RECOGNITION UNDER RULE 22C OF MCR,
1960 AS ON 20TH. , 2013

REGI ON	STATE	TOTAL NO. OF RECOGNITION		TOTAL NO. OF RQP'S WHOSE RECOGNITIONS RENEWED				TOTA L	NO. OF VALI D RQPS
		GRAN TED	REF USE D	ONC E	TWIC E	THRI CE	4 TIME AND ABOVE		
	ANDHRA PRADESH								
	ARUNACHAL PRADESH								
	ASSAM								
	CHHATISGARH								
	JHARKHAND								
	MEGHALAYA								
	MIZORAM								
	MADHYA PRADESH								
	MAHARASTARA								
	NAGALAND								
	ORISSA								
	RAJASTHAN								
	SIKKIM								
	TAMILNADU								
	UTTAR PRADESH								
	WEST BENGAL								
	TOTAL								

Annexure X

Format of Control Register for grant or refusal of recognition under rule 22C of MCR, 1960 to be maintained by Regional offices

Sr. No.	Date of receipt of application	Name of applicant & qualification of individual/ key person	Postal address	Date of recognition	Registration No.	Date of Refusal of recognition	Reasons for refusal	Remarks
1	2	3	4	5	6	7	8	9

AUTHORISATION UNDER RULE 5(2) OF MM (R&D) ACT 1957

THE GAZETTE OF INDIA

EXTRAORDINARY

PART II – SECTION 3 – SUB SECTION (II)

PUBLISHED BY AUTHORITY

No.208 New Delhi, Tuesday, April 28, 1987 / Visakha 8, 1909

Ministry of Steel and Mines
(Department of Mines)
New Delhi, the 28th April 1987

ORDERS

S.O.145(E) : In exercise of the powers conferred by clause (a) of sub section (1) of section 26 of the Mines & Minerals (Regulation & Development) Act 1957 (67 of 1957), the Central Government hereby directs that the powers under clause (b) of sub section (2) of section 5 of the said Act, exercised by it, shall also be exercised by the Controller General, Chief Controller of Mines, Controller of Mines and Regional Controller of Mines of Indian Bureau of Mines.

(F.No.5(1)/87-M.VI)
T.N.SrivastavaJt.Secy.

FORMAT FOR RECEIPT OF DRAFT/MODIFIED MINING PLAN

GOVERNMENT OF INDIA
 MINISTRY OF MINES
 INDIAN BUREAU OF MINES

NO.

RECEIPT
 (Contents not verified)

Received one Mining Plan/Scheme of Mining/Modification to the approved Mining Plan/Scheme of Mining containing _____ pages (text) annexures and plates
 And with the following particulars, for approval under rule _____ of MCDR, 1988/ Rule _____ of MCR, 1960

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:

No of copies received :

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), IBM

To,

Model Bank Guarantee Form,

Form No. _____
 The Regional Controller of Mines,
 Indian Bureau of Mines,

 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 _____ and amongst other
 places, a branch at _____ (hereinafter referred to as the bank) in favour of the
 Regional Controller of Mines, Indian Bureau of Mines, _____
 (hereinafter referred to as the Beneficiary) for an amount not exceeding
 Rs. _____

(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) under rule 23F of MCDR, 1988.

2. We _____ (bank name), at the request of Shri _____ S/o Shri _____

_____ (lessee) do hereby undertake to pay to the Regional Controller of Mines, Indian Bureau of Mines _____ or any other officer authority nominated by the Controller General, Indian Bureau of Mines an amount not exceeding Rs. _____ (Rs. _____ only) against any loss or damage caused to or suffered or would be caused to or suffered by the Government or towards non compliance of provisions of Rule 23A,B&23E of MCDR, 1988 i.e. Mine closure plan/progressive mine closure plan approved in respect of the mining lease (name of mine) _____ for _____ (ore/ores) over an area of _____ Hects. 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 Regional Controller of Mines, Indian Bureau of Mines _____ or any other authorized by the Controller General, Indian Bureau of Mines 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 Regional Controller of Mines, Indian Bureau of Mines, _____ or any other officer authorized by the Controller General, Indian Bureau of Mines or Govt. of India any money so demanded notwithstanding any dispute or disputes raised by the lessee in any suit or proceedings pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid 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 end of 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. under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged till Regional Controller of Mines, Indian Bureau of Mines, _____ or any other officer authorized by the Controller General, Indian Bureau of Mines 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 on or before _____, we shall be discharged from all liability under this guarantee thereafter.

6. We further agree that Regional Controller of Mines, Indian Bureau of Mines, _____ or any other officer authorized by the Controller General, Indian Bureau of Mines 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 from time to time or to postpone for any time or from time to time any powers exercisable by Regional Controller of Mines, _____ against the said lessee and to forbear or enforce any of the terms and conditions relating to the said agreement, we (bank) shall not be relieved from our liability by reason of any such variation or extension being granted to the said lessee or for any forbearance, act or omission on the part of Regional Controller of Mines, Indian Bureau of Mines, _____ or any indulgence by Regional Controller of Mines, Indian Bureau of Mines, _____ 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 undertake not to revoke this guarantee during its currency except with the previous consent of the Regional Controller of Mines, Indian Bureau of Mines, _____ 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/PMCP 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 where Regional office, IBM is located) 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 with 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, Taluka, 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/Scheme of Mining/FMCP and a photocopy should be kept in each bound copy of MP/Scheme of Mining /FMCP.
- f) Every page of the bank guarantee should be signed by the Bank Manager under his seal.



GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE REGIONAL CONTROLLER OF MINES

No.

Address

Date:

To,

Sub. Approval of Mining Plan alongwith Progressive Mine Closure Plan in respect of _____ mining lease of M/S _____ over an area of _____-ha. in _____ district of _____ state, submitted for grant of mining lease under Rule 22(4) of MCR, 1960.

Ref : Your letter nos. (1) _____, dated _____
(2) _____, dated _____

This office letter of even no. dated _____

Sir,

In exercise of the power conferred by Clause (b) of Sub-Section (2) of Section 5 of Mines & Minerals (Regulation & Development) Act, 1957 read with Government of India Order No. S.O. 445 (E) dated, 28.04.1987, I hereby **APPROVE** the above said mining plan with following conditions.

- (i) **The Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and *without prejudice to any order or direction from any court of competent jurisdiction.***
- (ii) **The proposals shown on the plates and/or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.**
- (iii) **It is clarified that the approval of aforesaid Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980,**

Environment (Protection) Act, 1986 or the rules made there under, *Mines Act, 1952 and Rule & Regulations made there under.*

- (iv) **Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and *does not undertake any responsibility regarding correctness of the boundaries of the precise area as furnished by the applicant / lessee.***
- (v) **At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.**

yours faithfully,

Encl: One copy of approved Mining Plan.

(-----)
Regional controller of Mines

Copy for kind information to:

- 1. -----RQP,-----
- 2. The Director of Mines, ----- along with one copy of approved Mining Plan by REGISTERED PARCEL, with a request not to execute the lease deed unless a communication is sent by this office confirming receipt of the Financial Assurance under rule 23F of the MCDR'88..

(-----)
Regional controller of Mines

N.O.O.

Copy for kind information to:

- 1)The Controller of Mines ----, Indian Bureau of Mines, -----
- 2. Guard File

(-----)
Regional controller of Mines



GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE REGIONAL CONTROLLER OF MINES

No. _____

Address _____

Date:

To,

Shri /M/s

Sub. Approval of Mining Plan along with Progressive Mine Closure Plan in respect of _____ ---mines over an area of _____ in _____ district of _____ state, submitted for renewal of mining lease under Rule 24A of MCR, 1960.

Ref: 1. Your letter no. _____, dated _____

2. This office letter of even no. dated _____

Sir,

In exercise of the power conferred by Clause (b) of Sub-Section (2) of Section 5 of Mines & Minerals (Regulation & Development) Act, 1957 read with Government of India Order No. S.O. 445 (E) dated, 28.04.1987, I hereby **APPROVE** the above said mining plan with following conditions.

- (i) **The Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and *without prejudice to any order or direction from any court of competent jurisdiction.***
- (ii) **The proposals shown on the plates and/or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.**
- (iii) **It is clarified that the approval of aforesaid Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980,**

Environment (Protection) Act, 1986 or the rules made there under, *Mines Act, 1952 and Rule & Regulations made there under.*

- (iv) **Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and *does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.***
- (v) **At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.**
- (vi) **Next Financial Assurance shall be due for submission on _____**

yours faithfully,

Encl: One copy of approved Mining Plan.

(-- -----)
Regional controller of Mines

Copy for kind information to:

- 1. -----RQP,-----
- 2. The Director of Mines, ----- along with one copy of approved Mining Plan by REGISTERED PARCEL.

(-----)
Regional controller of Mines

N.O.O.

Copy for kind information to:

- 1) The Controller of Mines ----, Indian Bureau of Mines, -----
- 2. MCDR File
- 3. Guard File

(-----)
Regional controller of Mines



GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE REGIONAL CONTROLLER OF MINES

No. _____

Address _____

Date: _____

To,

Sub. Approval of Scheme of Mining with Progressive Mine Closure Plan in respect of _____ Mines over an area of _____ hect. of Shri/M/s _____ in district _____ of _____ state submitted under rule 12 of MCDR, 1988.

Ref :1. Your letter No. _____, dated _____

2. This office letter of even no. dated _____

Sir,

In exercise of the power conferred by Sub-rule (4) of Rule-12 of Mineral Conservation & Development Rules, 1988, I hereby approve the Scheme of Mining including Progressive Mine Closure Plan of _____ Mines of Shri /M/s _____ over an area of _____ hecets in _____ district of _____ State submitted under rule 12 of MCDR, 1988. This approval is subject to the following conditions:

- (i) **The Scheme of mining is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and *without prejudice to any order or direction from any court of competent jurisdiction.***
- (ii) **The proposals shown on the plates and/or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.**
- (iii) **It is clarified that the approval of aforesaid Scheme of Mining does not in any way imply the approval of the Government in terms of any other provision of**

Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, *Mines Act, 1952 and Rule & Regulations made there under.*

- (iv) **Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and *does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.***
- (v) **At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.**
- (vi) **Next Financial Assurance shall be due for submission on _____**

yours faithfully,

Encl: One copy of approved Mining Plan.

(-----)
Regional controller of Mines

Copy for kind information to:

- 1. -----RQP,-----
- 2. The Director of Mines, ----- along with one copy of approved Mining Plan by REGISTERED PARCEL.

(-----)
Regional controller of Mines

N.O.O.

Copy for kind information to:

- 1) The Controller of Mines ----, Indian Bureau of Mines, -----
- 2. MCDR File
- 4. Guard File

(-----)
Regional controller of Mines



GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE REGIONAL CONTROLLER OF MINES

No. _____

Address _____

Date: _____

To,

Sub. Approval of Modification to the Approved Mining Plan/Scheme of Mining with Progressive Mine Closure Plan in respect of _____ Mine over an area of _____ hects in _____ district of _____ state, submitted under Rule 10 of MCDR, 1988.

Ref :1. This office letter of even no. dated _____

2. Your letter No. _____, dated _____

Sir,

In exercise of the power delegated to me under rule 10(2) of Mineral Conservation & Development Rules, 1988 vide Gazette Notification No. T-43010/CGBM/88 dated 27.04.1989, I hereby approve the Modification to the Approved Mining Plan/Scheme of Mining including Progressive Mine Closure Plan of _____ Mines over an area of _____ hects of Shri/M/s _____ in _____ district of _____ State submitted under rule 10 of MCDR, 1988. This approval is subject to the following conditions :

- (i) **The Scheme of mining is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and *without prejudice to any order or direction from any court of competent jurisdiction.***
- (ii) **The proposals shown on the plates and/or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.**
- (iii) **It is clarified that the approval of aforesaid Scheme of Mining does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral**

Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.

- (iv) **Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.**
- (vi) **At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.**

yours faithfully,

Encl: One copy of approved Mining Plan.

(-----)
Regional Controller of Mines

Copy for kind information to:

- 1. -----RQP,-----
- 2. The Director of Mines, ----- along with one copy of approved Mining Plan by REGISTERED PARCEL.

(-----)
Regional Controller of Mines

N.O.O.

Copy for kind information to:

- 1)The Controller of Mines ----, Indian Bureau of Mines, -----
- 2. MCDR File
- 5. Guard File

(-----)
Regional controller of Mines

Annexure XVIIIRegister A/d

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE REGIONAL CONTROLLER OF MINES

No. _____

Address _____

Date: _____

To,

Sub. Approval of Final Mine Closure Plan in respect of _____ Mines, of Shri/M/s _____ over an area of _____ ha. in village _____, _____ district of _____ state, submitted under Rule 23(C) of MCDR, 1988.

Ref :1 . Your letter nos. _____, dated _____ -

Sir,

In exercise of the power conferred by the sub-Rule 2 of Rule 23 C of Mineral Conservation and Development Rules, 1988, I hereby APPROVE the above said Final Mine Closure Plan in respect of _____ Mines of Shri/ M/s _____ over an area of _____ ha. in village _____, _____ district of _____ state, submitted under Rule 23(C) of MCDR, 1988. This approval is subject to the following conditions:

- (i) That the Final Mine Closure Plan is approved without prejudice to any other laws applicable to the mine/ area from time to time whether made by the Central Government, State Government or any other authority.
- (ii) That this approval of the Final Mine Closure Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986, or the rules made there under.

- (iii) **That this Final Mine Closure Plan is approved without prejudice to any order or direction from any court of competent jurisdiction.**
- (iv) **That the Regional Office, Indian Bureau of Mines, -----shall be informed after completion of activities of final mine closure as per proposal of the Final Mine Closure Plan.**
- (v) **Yearly report as require under Rule 23 E (2) of MCDR, 1988 setting forth the extent of protection and rehabilitation works carried out as envisaged in the approved final mine closure plan and if there is any deviations, reasons thereof shall be submitted before 1st July of every year to the regional Office, IBM, _____.**
- (vi) **The Financial Assurance submitted for an amount of Rs. _____/- (Rupees _____ - only) is valid up to _____. A new bank guarantee is to be submitted on or before its expiry i.e. _____ - if the rehabilitation proposal not completed by that time.**

Yours faithfully

Encl.: One copy of approved
Final Mine Closure Plan.

Regional Controller of Mines

Copy forwarded for kind information to: -

1. The Director (Mines),
Department of Mines and Geology,
Government of _____

_____ along with a copy of approved Final Mine Closure Plan.

2. Recognised Person

(_____)
Regional Controller of Mines

N.O.O.:

1. The Controller of Mines, Indian Bureau of Mines, _____
2. MCDR File.
3. Guard File

Regional Controller of Mines

Annexure XIX

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES

From : Regional Controller of Mines/
Controller of Mines

To : _____

Sub : Approval of mining plan

Ref : 1) Your reference No. _____ dated _____
2) Our reference No. _____ dated _____

Sir,

In exercise to the power conferred by clause (b) of sub section (2) of Section 5 of Mines and Minerals (Regulation & Development) Act, 1957 read with Govt. of India Order No.S.O.445(E) dated 28-4-1987, you are hereby informed that the mining plan submitted by you is not approved for the following reasons:

- i) _____
- ii) _____
- iii) _____

Yours faithfully

Regional Controller of Mines/
Controller of Mines

**STATUS OF APPROVAL OF MINING PLANS RECEIVED DURING THE
YEAR 2011-2012 AS ON 20TH. -----, 2013. ----- REGIONAL OFFICE**

STATUS	STATE	REGI ON	CUMULATIVE NUMBER OF MINING PLAN								PENDING WITH DGMS FOR COMMENTS	
			REC- EIVE D	WITH- DRAW N	REJ- ECTE D	APP- ROVED	PENDING WITH PARTIES FOR MODI- FICATIO N	UNDER PROCESSING WITH IBM				
								LESS THAN 90 DAYS		MORE THAN 90 DAYS		
REGL. OFFICE	ZONAL OFFICE	REGL. OFFICE	ZONAL OFFICE									
FMCP under 23(1)												
TOTAL FMCP under 23(1)												
Fresh under rule 22 of MCR,1960												
TOTAL Fresh under rule 22 of MCR,1960												
Modifn. of approved mining plan												
TOTAL Modifn. of approved mining plan												
Renewal under rule 24 of MCR, 1960												
TOTAL Renewal under rule 24 of MCR, 1960												

STATUS OF APPROVAL OF MINING PLANS RECEIVED DURING THE YEAR 2012-2013 AS ON 20TH.-----, 20--

STATUS	STATE	REGION	REGIONAL OFFICE									
			CUMULATIVE NUMBER OF MINING PLAN					UNDER PROCESSING WITH IBM				PENDING WITH DGMS FOR COMMENTS
			RECEIVED	WITH-DRAWN	REJ-ECTED	APP-ROVED	PENDING WITH PARTIES FOR MODI-FICATION	LESS THAN 90 DAYS		MORE THAN 90 DAYS		
REGL. OFFICE	ZONAL OFFICE	REGL. OFFICE						ZONAL OFFICE				
Fresh under rule 22 of MCR,1960	Jharkhand	KOL-KATA										
	Meghalaya											
	Assam											
TOTAL Fresh under rule 22 of MCR,1960												
Modifn. of approved mining plan	Jharkhand											
	West Bengal											
	Meghalaya											
TOTAL Modifn. of approved mining plan												
Renewal under rule 24 of MCR, 1960	Jharkhand											
	Assam											
	West Bengal											
TOTAL Renewal under rule 24 of MCR, 1960												

**STATUS OF APPROVAL OF SCHEMES OF MINING RECEIVED DURING THE
YEAR 2011-2012 AS ON 20TH. -----, 2013, ----- REGIONAL OFFICE**

STATUS	STATE	CUMULATIVE NUMBER OF MINING PLAN									
		REC- EIVED	WITH- DRAWN	REJ- ECTED	APP-ROVED	PENDING WITH PARTIES FOR MODI- FICATION	UNDER PROCESSING WITH IBM				PENDING WITH DGMS FOR COMMENTS
							LESS THAN 90 DAYS		MORE THAN 90 DAYS		
						REGL. OFFICE	ZONAL OFFICE	REGL. OFFICE	ZONA L OFFIC E		
Mining Scheme under rule 12 of MCDR., 1988	JHAR- KHAND										
	WEST BENGA L										
	Assam										
	Meghala ya										
TOTAL Mining Scheme under rule 12 of MCDR., 1988											
TOTAL Modification of Mining Scheme under rule 10 of MCDR., 1988											

STATUS OF APPROVAL OF SCHEMES OF MINING RECEIVED DURING THE

YEAR 2012-2013 AS ON 20TH. -----, 2013

----- REGIONAL OFFICE

STATUS	STATE	REGION	CUMULATIVE NUMBER OF MINING PLAN										
			REC- EIVE D	WIT- H- DRA WN	REJ- ECTED	APP- ROVE D	PENDING WITH PARTIES FOR MODI- FICATION	UNDER PROCESSING WITH IBM				PENDING WITH DGMS FOR COMMENTS	
								LESS THAN 90 DAYS		MORE THAN 90 DAYS			
REGL. OFFICE	ZONAL OFFICE	REGL. OFFICE	ZONAL OFFICE										
Mining Scheme under rule 12 of MCDR., 1988	JHAR- KHAND	KOL- KATA											
	Meghalay a												
	Assam												
	West Bengal												
TOTAL Mining Scheme under rule 12 of MCDR., 1988													
Modification of approved Mining Scheme under rule 10 of MCDR., 1988	Jharkhand												
Total Modification of approved Mining Scheme under rule 10 of MCDR., 1988													
		Grand Total											

MINING PLANS APPROVED/REJECTED WITH/WITHOUT BACK REFERENCE DURING
 THE PERIOD FROM 21/---/20---- TO 20/---/20----

OFFICE :

PERIOD	MINING PLAN APPROVED				TOTAL	
	WITH BACK REFERENCE		WITHOUT BACK REFERENCE		APPROVED	REJECTED
	APPROVED	REJECTED	APPROVED	REJECTED		
<30days						
30-60days						
61-90days						
>90days						

NO. OF MINING PLAN PENDING WITH PARTY

AS ON THE 20TH. _____ 20

LESS THAN 3 MONTHS	3 TO 6 MONTHS	6 TO 9 MONTHS	9 TO 12 MONTHS	12 TO 18 MONTHS	MORE THAN 18 MONTHS	TOTAL

-----REGIONAL OFFICE				MONTHLY REPORT ON FINANCIAL ASSURANCE FOR THE MONTH OF _____, 2014																			
Sl. No.	State	Region	Number of mining leases	PMCP/FA approved during month		PMCP/FA expired during the month		Cumulative no. of valid PMCP/FA		FMCP/FA approved during month		FMCP/FA expired during the month		Cumulative no. of valid FMCP/FA		Total of PMCP/FMCP		No of certificates issued under rule 29A of MCR-1960					
				Number	FA amount (Rs.)	Number	Amount (Rs)	Number	FA amount (Rs)	Number	FA amount (Rs)	Number	FA amount (Rs)	Number	Amount (Rs)	Number	Amount (Rs)	For part area		For full area		Total	
																		Month	Cumulative	Month	Cumulative	Month	Cumulative
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1																							
2																							
3																							
4																							
5																							
6																							

Annexure XXI**FORMAT FOR CONTROL REGISTER OF STATUS OF MINING PLAN**

Sl. No	Name of Mine	Lease Area(in Ha.)			Mineral	District/ State	Lessee/ Owner	Date of Letter of Intent from State govt.	Date of receipt of draft	Date of inspection	Date of draft scrutiny letter forwarded to zonal office for approval	Date of issue of scrutiny letter issued to party	Date of Approval and Letter no.	Date of approval copy to DGMS/ State Govt.	Name of RQP, No. and validity	Rule under which submitted	Amount of processing fee	Proposal Period	Remarks
		Forest	Non-Forest	Total															
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)

Government of India
Ministry of Mines
Indian Bureau of Mines
Office of the Chief Controller of Mines

No.K-11011/1/2011-CCOM-VOL-I(PF) Nagpur, dated 10/01/2013

CIRCULAR NO2/2013

Sub: Extent of implementation of Approved Mining Plan/Scheme of Mining by the Lessees / Mine Owners.

The Mining Plan / Scheme of Mining document prepared under MM(D&R) Act 1957, MCR 1960 and MCDR 1988 are primarily meant for ensuring scientific & systematic development of Mineral deposits with due care to conservation of Mineral and Environment protection measures of the mine. Therefore, the extent of implementation plays a vital role in ensuring the above objectives for greater national perspective.

The Regional offices of Indian Bureau of Mines are advised to ensure the completion of implementation status of Approved Mining Plan / Scheme of Mining from the Mine Owners / Lessees as per the enclosed Annexure for uniformity for 2011-12 under Rule 63 of MCDR 1988 and post it on the IBM Website within 6 months. The same need to continue for subsequent years too.

This issues with approval of the Controller General, Indian Bureau of Mines, Nagpur.

Encl.: as stated.

Sd/-
(M.V. Sahasrabudhe)
Regional Controller of Mines

To,

1. The Regional Controller of Mines, Indian Bureau of Mines, Ajmer / Bangalore / Bhubaneswar / Chennai / Dehradun / Goa / Hyderabad / Jabalpur / Kolkata / Nagpur / Ranchi /Udaipur.
2. The Controller of Mines (NZ/CZ/SZ), Indian Bureau of Mines, Ajmer / Nagpur / Bangalore.
3. The Technical Secretary, Indian Bureau of Mines, Nagpur, with reference to your letter No. T-42042/CGBM/Shah Commission/2012 dated 13.09.2012.

Annexure

SELF-APPRAISAL NOTE to be submitted by Owner of the mine under Rule 63 of MCDR, 1988 stating extent of implementation of Approved Mining Plan/Scheme of Mining during the reporting year of 1/4/20__ to 31/3/20__ along with supporting plans/sections, representative photographs in hard as well as soft copy.

1	Mine Details		Mine Registration Number taken from IBM				
			Mine Code				
			Mineral				
			Name of The Mine				
			Lessee				
			Lease no of State Govt.(TC No for Goa)				
2	Details of Mining Plan/Scheme of Mining Approved on last Occasion		Reference No. of Approval Letter				
			Approving Authority		IBM	State Government	
			Five year Implementation Period (Financial Year)		From	To	
3	Details of Modification sought/approved During the Reporting Year		Whether modification sought?		Yes	No	
			If yes, state reasons of seeking such modifications				
4	COMPLIANCE OF SALIENT FEATURES OF THE MINING PLAN / SCHEME OF MINING DURING THE YEAR						
	ACTIVITY			Proposal made in approved MP/SOM for the reporting year		Actual Implementation During the year	
	EXPLORATION	Type of Exploration	Surface sampling				
			Pitting				
			Trenching				
			Bore hole drilling				
		Expenditure in lakh Rupees					
		Reserve Estimation(including additional reserve estimation if any)					
		Resources Identification (including additional resource estimation if any)					
		Total Reserves and Resources					

MINING	Method of Mining Opencast/Underground/Combination of Both				
	Category A / B				
	Site of Mining (Mention position of working & R.L.)				
	Quantum of Waste				
	ROM Production				
	Gradewise Mineral Production(Same as given in MCDR Return form)				
	Mine Development	Opencast (Pit wise)	Bench Formation with R.L.		
			Stripping ratio		
			Top RL		
			Bottom RL		
		Underground	Proposed Development in m		
			Name and Number of Stopes to be operated		
			Stoping Operations		
Production in tonnes from Development, stopping Total					
SOLID WASTE MANAGEMENT	Site of Waste Disposal (Mention position & R.L.)				
	Mode of Waste Disposal & waste Dump Configuration (Advancing/Retreating method with number of lifts)				
	Waste Dump Stabilization/ Garland drain/ Retaining wall				
	Check dams/settling tanks				
BLASTING	Mode of Blasting (J/H Pop, Plaster shooting & Deep Hole)				
	Explosive Storage				
	Precaution against flying fragments, ground vibration				

MINE DRAINAGE	Likely depth of mining below water table		
	Expected pumping of sub-surface water		
	Mode of disposal of sub-surface water		
MINERAL BENEFICIATION	Feed quantity and Grade		
	Product quantity and Grade		
	Tailing quantity and Grade		
	Site of Tailing Disposal		
	Tailings Dam Management Preventive measures envisaged		
USE OF MINERAL	End use of mineral produced at the mine		
	Provision of blending with high grade/ low grade ore		
	Land Use Pattern in ha. Area exploited and abandoned Covered under O/c working Reclaimed and Rehabilitated Occupied by Infrastructure others		
ENVIRONMENT MANAGEMENT PLAN	Afforestation with type of species		
	Reclamation & Rehabilitation of Land		
	Ambient air quality		
	Water quality		
	Noise Level		
	Precautions undertaken for temporary Closure of mine		

COMMUNITY SOCIAL RESPONSIBILITY	Drinking water (In Rupees)		
	Transport (In Rupees)		
	Health (In Rupees)		
	Sanitation (In Rupees)		
	Education (In Rupees)		
	Sports (In Rupees)		
	Recreation Facility (In Rupees)		
	Employment (In Rupees)		
	Housing(In Rupees)		
	Infrastructure((In Rupees) Roads/Public transport/ communication/electricity		
5	Constraints faced at the mines during reporting year while implementing the salient features of the mining plan/ scheme of mining		
6	Corrective action envisaged by mine management for rectification of the deviation in implementation of salient feature of the mining plan/scheme of mining as observed under serial no 4		
7	Any other information to be included		

VERIFICATION

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

Date:

Signature:

Place:

Name in Full:

Designation: Lessee/Agent/Manager/Mining Engineer

Note: Wherever felt necessary, copy of the relevant plan/ section representative photograph with due integration with the above description is to be enclosed/ uploaded.
