

APPENDIX (MMR 107)

Proforma for application to extract or split or reduce pillars or blocks of minerals under Regulation 107(3)/109(1)/127/128 of the Metalliferous Mines Regulations, 1961.

1. Name of Mine :
2. (a) Name of owner :
2. (b) Mineral worked :
3. Particulars of Ore Body :
 - 3.1 Name of the Ore Body proposed to be stoped:
 - 3.2 Location :
 - 3.3 Thickness of Ore Body
 - 3.3.1 Reef width:
 - 3.3.2 Stopping width
 - 3.4 Size of ore block(s) proposed to be stoped;
 - 3.5 Depth of the vein or ore body;
 - 3.6 Rate of dip;
 - 3.7 Are there any parallel Reefs, if so give details;
4. Other particulars of the vein or ore body :
 - 4.1 Is there any history of occurrence of gas?
 - 4.2 Is there any history of fire in the same ore body, in the same mine or adjoining mine?
5. Particulars about the workings to be stoped :
 - 5.1 Maximum and minimum height and width of workings
 - 5.2 Nature and type of Hanging wall and Foot wall within 15 metres of Reef
 - 5.3 General condition of workings.
 - 5.4 Are the workings dry/damp/naturally wet?
 - 5.5 Maximum and Minimum thickness of cover from the surface.
 - 5.6 Are there any geological disturbances within 180m of the area proposed to be stoped?
 - 5.7 Plan showing the area to be stoped and whether it has been signed by Surveyor and countersigned by Manager.
 - 5.8 Are main approach roads in country rock or in ore body itself?
6. Section and plan of strata showing the position/condition of overlying underlying or parallel ore bodies, their thickness and the thickness of the pillar between them and the nature of overlying rock.
7. Proposed method of extraction viz :
 - (a) by cut and fill or (b) by caving method etc.
8. Manner of extraction of ore block (to be illustrated by suitable sketches).
9. Condition of the overlying or underlying workings with respect to the area applied for.
 - 9.1 Is the area free from water?

- 9.2 Are other deposits extracted/split/standing on pillars/vein?
 - 9.3 If it has been extracted, split, state if by caving method or by cut and fill method, etc
 - (10) Surface features viz : lying above and within 45m of the proposed area (please give details) :
 - 10.1 Railways
 - 10.2 Public/Private Road.
 - 10.3 River, Nullah or any other water course, tank or reservoir.
 - 10.4 Buildings/dwellings not belonging to the owner (state whether katcha, pucca, single storey, double storey etc.)
 - 10.5 Buildings/dwellings belonging to the owner (state whether katcha/pucca etc.)
 - 10.6 H.T. Transmission line (state whether belonging to the owner or any other party).
 - 10.7 Aerial ropeway (state whether belonging to the owner or any other party).
 - 10.8 Water pipe or gas main (state whether belonging to the owner or any other party).
 - 10.9 Any other structures/features whether or not belonging to owner or any other party.
 11. HIGHEST FLOOD LEVEL
Does the area lie below the highest known flood level of any river, nullah etc?
 - 12A. DAMAGE TO THE SURFACE STRUCTURES ETC.
Do you apprehend any danger to the surface buildings or structures mentioned in item 10 above—
 1. Due to the proposed operations?
 - (a) If you apprehend danger, please give details of the proposed measures to prevent danger to the same.
 - (b) If you do not apprehend any danger, please give reasons for the same.
 2. Due to the vicinity of geological disturbances?
 - If you apprehend danger, please give details of the proposed measures to prevent danger to the same.
 - 12B. SUBSIDENCE RECORDS ETC.
Give particulars of the subsidence experience along with subsidence records if available.
 13. ACQUISITION/FENCING OF SURFACE AREA
If the surface is likely to be affected, has it been acquired for fencing as required under Reg. 105(1). If not, what alternative arrangement has been made to prevent danger?
 14. DANGER OF INUNDATION
Is there any danger of inundation as a result of the proposed operation from :
 - (a) Surface water
 - (b) Underground workings—
 - (i) of any workings lying above or below the area applied for in the same mine, or
 - (ii) of the adjoining mines in same seam or body or any other ore shown.
15. What precautionary measures are suggested to prevent the danger of inundation, if any?

14. **DANGER FROM FIRE**
Whether there is fire in the overlying or underlying workings or on the surface? State the proposed protective measures to prevent danger from the same.
15. **DANGER OF PREMATURE COLLAPSE**
Do you apprehend any premature collapse of the workings either in the same or in the overlying or underlying or parallel ore body/ore shoot, as a result of the proposed operations? If so, what are the measures proposed to prevent the same?
16. **DIVISION OF THE AREA INTO PANELS** and provision of isolation stoppings.
Has the area applied for stopping been divided on the plan into suitable panels?
17. **SYSTEMATIC TIMBERING RULES**
Have the systematic timbering rules been approved by the Joint Director of Mine Safety in accordance with Reg. 111(2) (a).
18. **WORKING WITHIN DISPUTED AREA**
Does the area proposed to be stopped lie within or close to the disputed boundary of area or encroached workings with the neighbouring mines? If so, please give details.
19. **FOR APPLICATION UNDER REG. 100(1)** : Where the application has been made under Reg. 100(1), has a copy of the same together with relevant plans been sent to the administration concerned and in the case of other public works, to the authority owning the works?
20. **REFERENCE TO PREVIOUS PERMISSION** : Please state whether any permission for extraction of blocks/pillars was granted in the past for any other areas. If so,
(a) The reference number and date of the permission letter(s)
(Where permission has been granted in more than two areas, reference to only the last two permissions need be given.)
(b) Has extraction been completed in the said area(s).
(If not, give the latest position in respect of the same).
21. Whether all **PLANS & SECTIONS** submitted have been signed by Surveyor and countersigned by Manager.
22. **ANY OTHER RELEVANT DETAILS**
Certified that the information given above and plans submitted are correct to the best of my knowledge or belief.
- Date : _____ Signature : _____
Designation : Owner/Agent/Manager
- N.B.
1. Separate sheets may be used in case the space in any of the columns is considered insufficient for the information required.
2. The application should be accompanied by an up-to-date plan, in duplicate showing the proposed area for stoppings/splitting and all other relevant details required to be shown on an underground plan maintained under Regulation 61.
3. Please send a copy of this proforma together with a plan referred to in item 2 above directly to the Joint Director of Mines Safety to expedite action.
4. Strike off whatever is not applicable.

(Cir. 52/1974)

3. Application for depillaring to cover large areas

Applications for depillaring should cover areas sufficiently large to last for a period of at least 3 years. The applications should be submitted at least 3 months in advance of the proposed date of commencement of depillaring operations to enable DGMS to deal with them in time. The proposed panels for depillaring should be clearly indicated on the plan keeping in mind the rehabilitation period of the seam.

(Cir. 19/1960)

4. Applications for depillaring near geological disturbances :

Positive draw to be considered

- (1) Particulars regarding surface features and the highest flood level are to be given in applications for depillaring. These particulars generally pertain to the surface area lying over the area proposed to be depillared. However, there may be positive draw upto 45 degrees from the horizontal in some cases, e.g.,
- (a) when working near faults and cycles,
- (b) when depillaring under a goaved out seam.

In special, surface projection lines shall be shown on the plans accompanying the application for depillaring.

In case (b), details of the surface features lying within a zone extending to a distance equal to the depth from the surface of the area to be depillared should also be given. If the area to be depillared lies in the vicinity of the highest water flood level of a river, the extent of HFL should be shown on the plans within this zone also.

Timbering of plans and reference in application—Under Reg. 100 of the MMR 1957 every application for extraction or reduction of pillars is to be accompanied by two copies of an up-to-date plan showing the area. Cases have arisen where there has been some confusion about the sanctioned area of depillaring. In order to overcome these difficulties, it had been advised in an O.M. No. 19 of 1960 to number the plans accompanying applications for depillaring. This recommendation should be followed up rigidly as it is proposed to mention the reference number of the plan in every letter granting permission for depillaring so as to link up for reference the specific area for which the permission is issued. For the sake of cross check, the reference number of the plan should be given in the application for depillaring also.

(Cir. 79/1966)

5. Preparation of plans accompanying applications for depillaring etc.

It has been observed that the plans accompanying applications for depillaring